

Appendix C
Laboratory Reports



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 M Elevator Mech Rm
EML ID: 740481

Approved by:



Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 01-07-2011 and 01-07-2011

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

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

Date of Sampling: 01-07-2011
 Date of Receipt: 01-07-2011
 Date of Report: 01-07-2011

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‡: 3276994-1: Tape sample 2372.107.MT01: Elev mech rm layer A				
Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3276995-1: Tape sample 2372.107.MT02: Elev mech rm layer B				
Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3276996-1: Tape sample 2372.107.MT03: Elev mech rm layer C				
Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3276997-1: Tape sample 2372.107.MT04: Elev mech rm layer D West				
Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3276998-1: Tape sample 2372.107.MT05: Elev mech rm layer D East				
Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3276999-1: Tape sample 2372.107.MT06: Elev mech rm layer North layer E				
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".

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 Phoenix, AZ: 1501 West Knudsen Drive, Phoenix, AZ 85027 * (800) 551-4802
 San Bruno, CA: 1150 Bayhill Drive, #100, San Bruno, CA 94066 * (866) 868-5653

Company: **AGCROIX DAVIS, LLC**
 Address: **3605 Mr. Dabbs Plaza Ste 210**
 Special Instructions: **Biocassette, A15, SAS, CP, Airtight**
 Contact: **Tice; Colorpuz; A. Stembach**
 Phone: **925.299.1140**
 email contacts

Project ID: **DGS - BOE**
 Project Desc.: **Floor M Elevator Mech Rm**
 Project: **Floor M Elevator Mech Rm**
 Sampling Date & Time: **1/2/11 12:00**
 Zip Code: **2312.02-572**
 PO Number: **2312.02-572**

STD - Standard (DEFAULT)
 WH - Weekend/Holiday

BC - BioCassette	ST - Spore Trap, Zefon, Allergenco, Burkard...	T - Tape	D - Dust
2312-107-MTD1 Elev Mech Rm Layer A		T SD	Gyp board 1
2312-107-MTD2 Elev Mech Rm Layer B		T SD	Gyp board 1
2312-107-MTD3 Elev Mech Rm Layer C		T SD	Gyp board 2
2312-107-MTD4 Elev Mech Rm Layer D		T SD	Gyp board 2
2312-107-MTD5 Elev Mech Rm Layer D East		T SD	Gyp board 2
2312-107-MTD6 Elev Mech Rm North Layer E		T SD	Green Dust board 1

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

None	Fog	Rain	Snow	Wind	Clear
	X	X			

Non-Culturable	Cultural
Spore Trap	BioCassette, Aggren
Trap	Water, Bulk, Dust, Soil, Compost
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 + 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)	Log/serial culture	Total Coliform, E.coli (Presence/Absence)	Membrane Filtration (Please specify organism)	MFN 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)
		X														

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)	Log/serial culture	Total Coliform, E.coli (Presence/Absence)	Membrane Filtration (Please specify organism)	MFN 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)

1/7/11 1:30pm
 C. Schatz

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Doc. # 300176 Rev. 24 Revised: 6/29/09 Page 1 of 1 (PKD)



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 M-Supply Fan Rm
EML ID: 759891

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): 03-08-2011

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 correction of results is not applied. The results relate only to the items tested.

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

Document Number: 200091 - Revision Number: 5

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 M-Supply Fan Rm

Date of Sampling: 03-07-2011
 Date of Receipt: 03-08-2011
 Date of Report: 03-08-2011

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‡: 3361757-1: Tape sample 2372.307.MSF3/4-T01: Stains on pipe insulation				
Moderate	Very few	4+ <i>Cladosporium</i> species (spores, hyphae, conidiophores) 1+ <i>Acremonium</i> species (spores, hyphae, conidiophores)	None	Mold growth

* Indicative of normal conditions, i.e. seen on surfaces everywhere. Includes basidiospores (mushroom spores), myxomycetes, plant pathogens such as ascospores, rusts and smuts, and a mix of saprophytic genera with no particular spore type predominating. Distribution of spore types seen mirrors that usually seen outdoors.

† Quantities of molds seen growing are listed in the MOLD GROWTH column and are graded 1+ to 4+, with 4+ denoting the highest numbers.

†† Some comments may refer to the following: Most surfaces collect a mix of spores which are normally present in the outdoor environment. At times it is possible to note a skewing of the distribution of spore types, and also to note "marker" genera which may indicate indoor mold growth. Marker genera are those spore types which are present normally in very small numbers, but which multiply indoors when conditions are favorable for 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".



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 M Supply Fan Room 3/4
EML ID: 763829

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): 03-18-2011

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

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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 M Supply Fan Room 3/4

Date of Sampling: 03-16-2011
 Date of Receipt: 03-18-2011
 Date of Report: 03-18-2011

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‡: 3379015-1: Tape sample 2372.316.MT01: SF3 Housing vertical south				
Heavy	Very few	< 1+ <i>Cladosporium</i> species (spores, hyphae)	Very few <i>Chaetomium</i> spores detected.	Minimal mold growth
Lab ID-Version: 3379016-1: Tape sample 2372.316.MT02: SF4 Housing vertical west				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 3379017-1: Tape sample 2372.316.MT03: SF3 AB later panel top horizontal				
Heavy	Variety	< 1+ <i>Alternaria</i> species (spores, hyphae) < 1+ <i>Cladosporium</i> species (spores, hyphae)	None	Minimal mold growth
Lab ID-Version: 3379018-1: Tape sample 2372.316.MT04: SF3 concrete pad horizontal				
Heavy	Very few	2+ <i>Cladosporium</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 3379019-1: Tape sample 2372.316.MT05: Column enclosure north 2'aff				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 3379020-1: Tape sample 2372.316.MT06: SF room 3/4 floor center 6'e col				
Light	Very few	None	None	Normal trapping

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 Phoenix, AZ: 1501 West Knudsen Drive, Phoenix, AZ 85027 • (800) 651-4802
 San Bruno, CA: 1130 Bayhill Drive, #100, San Bruno, CA 94066 • (866) 888-6653

Company: *Lacroix Davis, LLC*
 Address: *3685 Mt. Diablo Blvd, Ste 240*
 City/County: *T. Lee, A. Stembach*
 Contact: *A. Stembach*
 Phone: *975.299.1140*

Special Instructions: *colony counts; A94579*
email contacts

Project ID: *165-BOE*
 Project Name: *Floor M Supply Fan Room*
 Project: *Supply Fan Room*
 Zip Code: *31611 2220*
 PO Number: *2372-02-572*

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

Project ID	Location	Surface	Sample Type	Standard
2372-316-MT01	SF3 Hoising Vertical South		T STD	
2372-316-MT02	SF4 Hoising Vertical West		T STD	
2372-316-MT03	SF3 AB8 later Panel for horizontal		T STD	
2372-316-MT04	SF3 concrete Pad horizontal		T STD	
2372-316-MT05	Column Enclosure North 2' x 6'		T STD	
2372-316-MT06	SF Room 3/4 Floor Center 6' x 6'		T STD	

Barcode: 000763829

Non-Culturable: Tap, Swab, Bulk

Culturable: BioCassette™, Andersen, 5, Water, Bulk, Dust, Soil, Contact Plate

Weather: None, Light, Moderate, Heavy, Fog, Rain, Snow, Wind, Clear

Test Name	Result
Fungi - Spore Trap Analysis	
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.)	
Crustal Scum 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)	
QuantTray - Sewage Screen	
Asbestos Analysis - PCM Airborne Fiber Count (NIOSH 7400)	
Asbestos Analysis - PLM (EPA method 600/H-93-116)	
PCR (Please specify desc)	

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

Drop Box
C. Gehatz
3/18/11 Sam

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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; DGS-BOE
EML ID: 764735

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): 03-22-2011

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

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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; DGS-BOE

Date of Sampling: 03-21-2011
 Date of Receipt: 03-21-2011
 Date of Report: 03-22-2011

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‡: 3383099-1: Tape sample 2372.321.FM1/2.T01: Pipe insulation riser ctr				
Moderate	Very few	4+ <i>Cladosporium</i> species (spores, hyphae, conidiophores) 3+ <i>Acremonium</i> species (spores, hyphae)	None	Mold growth
Lab ID-Version: 3383100-1: Tape sample 2372.321.FM1/2.T02: Pipe insulation rise entry				
Light	Very few	4+ <i>Cladosporium</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 3383101-1: Tape sample 2372.321.FM1/2.T03: Concrete pad sf2				
Very Heavy	Very few	1+ <i>Cladosporium</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 3383102-1: Tape sample 2372.321.FM1/2.T04: Fan housing sf2 west				
Moderate	Very few	1+ <i>Cladosporium</i> species (spores, hyphae)	None	Mold growth
Lab ID-Version: 3383103-1: Tape sample 2372.321.FM1/2.T05: Fan housing sf1 south				
Very Heavy	Very few	4+ <i>Cladosporium</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 3383104-1: Tape sample 2372.321.FM1/2.T06: North wall adhesive				
Light	Very few	4+ <i>Ceratocystis / Ophiostoma</i> group (hyphae, pycnidia)	Analysis of replicate sample is delayed.	Mold growth
Lab ID-Version: 3383105-1: Tape sample 2372.321.FM1/2.T07: Fan housing sf2 north				
Heavy	Very few	< 1+ <i>Cladosporium</i> species (spores, hyphae)	Analysis of replicate sample is delayed.	Minimal mold growth

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

WEATHER			
None	Fog	Rain	Snow
Light	X	X	X
Moderate			
Heavy			

REQUESTED SERVICES

Non-Culturable
 Space Trap
 Tap
 Swab
 Bulk

000764735

BioCassette™ Andersen, SAS, Jumbo,
 Water, Bulk, Dust, Soil, Contact Plate

CONTACT INFORMATION
 Company: BOE
 Contact: DR. CRAIG DEWIS, LLC
 Address: 5065 RA. DUNN DR, STE 210
 Special Instructions: bioCassette SA 945549
 Phone: 925-299-1140

PROJECT INFORMATION
 Project ID: DG5-BOE
 Project Desc: Floor M. Supp WPA-14
 Project: Sampling
 Date & Time: 3/21/11
 Zip Code: 94066
 PO Number: 2372-02-572

TURN AND HOLD TIMES CODES (T/H)
 STD - Standard (DEFAULT)
 ND - Next Business Day
 SD - Same Business Day, Rush
 WH - Weekend/Holiday

Sample ID	Description	Sample Type (Below)	T/H (Below)	Total Volume/Areas (as applicable)	NOTES
2372-221-FM/2-101	Pipe Insulation River City	T SD	SD	8' AFF dust	
2372-221-FM/2-102	Pipe Insulation River City	T SD	SD	8' AFF dust	
2372-221-FM/2-103	Concrete Pad SFA	T SD	SD	East side center-stair	
2372-221-FM/2-104	Fan Housing SF2 West	T SD	SD	12' AFF stain	
2372-221-FM/2-105	Fan Housing SF1 South	T SD	SD	Intake 6' AFF stain	
2372-221-FM/2-106	North Wall adhesive	T SD	SD	14' AFF stain	
2372-221-FM/2-107	Fan Housing SF2 North	T SD	SD	Drive side @ Roof	

SAMPLE TYPE CODES		REQUISITION SET BY		DATE & TIME	
ST - Spore Trap: Zefon, Allergenco, Burkard...	T - Tape	D - Dust			
P - Potable Water	SW - Swab	SO - Soil			
NP - Non-Potable Water	B - Bulk				
	O - Other:				

Method	Media	Media Surface Fungi (Genus ID + Sp. spp.)	Quantitative Spore Count Direct Exam	Direct Microscopic Exam (Qualitative)	Fungi - Spore Trap Analysis	Spore Trap Analysis - Other particles
1-Media Surface Fungi (Genus ID + Sp. spp.)	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, Enteric (Presence/Absence)	Membrane Filtration (Please specify organism)	MFN Bacteria (Please specify organism)	Quant. Tray - Sewage Screen	Asbestos Analysis - PCM Airborne Fiber Count (NIOSH 7400)	Asbestos Analysis - PLM (EPA method 600/R-93-116)	PCR (Please specify test)

RECEIVED BY	DATE & TIME
<u>C. Schatz</u>	<u>3/21/11 4:50 PM</u>

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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; M Floor Restrooms and Fountain
EML ID: 776680

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

REVISED REPORT

Dates of Analysis:
Direct microscopic exam (Qualitative): 01-24-2012

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 correction of results is not applied. 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, Mr. Ashley
 McKinley, Ms. Andrea Steinbach
 Re: DGS-BOE; M Floor Restrooms and Fountain

Date of Sampling: 04-22-2011
 Date of Receipt: 04-25-2011
 Date of Report: 04-26-2011

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‡: 3438857-2: Tape sample 2372-422-FMT01: M Floor Women Wall at Sink GB Base				
Very Heavy	Variety	< 1+ <i>Cladosporium</i> species (spores, hyphae, conidiophores)	None	Minimal mold growth
Lab ID-Version: 3438858-2: Tape sample 2372-422-FMT02: M Floor Women Plenum GB Ceiling				
Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3438859-2: Tape sample 2372-422-FMT03: M Floor Men Wall at Sink GB Base				
Moderate	Very few	4+ <i>Torula</i> species (spores, hyphae, conidiophores) 2+ <i>Ulocladium</i> species (spores, hyphae, conidiophores)	None	Mold growth

* Indicative of normal conditions, i.e. seen on surfaces everywhere. Includes basidiospores (mushroom spores), myxomycetes, plant pathogens such as ascospores, rusts and smuts, and a mix of saprophytic genera with no particular spore type predominating. Distribution of spore types seen mirrors that usually seen outdoors.

† Quantities of molds seen growing are listed in the MOLD GROWTH column and are graded 1+ to 4+, with 4+ denoting the highest numbers.

†† Some comments may refer to the following: Most surfaces collect a mix of spores which are normally present in the outdoor environment. At times it is possible to note a skewing of the distribution of spore types, and also to note "marker" genera which may indicate indoor mold growth. Marker genera are those spore types which are present normally in very small numbers, but which multiply indoors when conditions are favorable for 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".



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; M Floor Women's
EML ID: 783249

Approved by:

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

Lab Manager
Malcolm Moody

Dates of Analysis:

Spore trap analysis: 05-12-2011

Service SOPs: Spore trap analysis (1038)

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

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

Document Number: 200091 - Revision Number: 5

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

Date of Sampling: 05-12-2011
 Date of Receipt: 05-12-2011
 Date of Report: 05-13-2011

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	2372-512-MA01: Exterior West		2372-512-MA02: M Floor Ambient Hall		2372-512-MA03: M Floor Women's Containment		2372-512-MA04: Exterior East	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	3467912-1		3467913-1		3467914-1		3467915-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria								
Arthrinium								
Ascospores*	1	53						
Aureobasidium								
Basidiospores*								
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium								
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Other brown	1	13						
Penicillium/Aspergillus types†								
Pithomyces								
Rusts*								
Smuts*, Periconia, Myxomycetes*							3	40
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	
§ TOTAL SPORES/m3		67		< 13		< 13		40

Comments:

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample.

* Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi.

† Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.

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

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

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

For more information regarding analytical sensitivity, please contact QA by calling the laboratory.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

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

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

Date of Sampling: 05-12-2011
 Date of Receipt: 05-12-2011
 Date of Report: 05-13-2011

MoldRANGE™: Extended Outdoor Comparison**Outdoor Location: 2372-512-MA01, Exterior West**

Fungi Identified	Outdoor data	Typical Outdoor Data by Date†				Typical Outdoor Data by Location‡			
		Month: May				State: CA			
	spores/m3	low	med	high	freq %	low	med	high	freq %
Generally able to grow indoors*									
Alternaria	-	7	27	340	52	7	27	230	52
Bipolaris/Drechslera group	-	7	13	170	14	7	13	130	12
Chaetomium	-	7	13	120	13	7	13	120	20
Cladosporium	-	27	460	7,500	93	53	590	7,800	96
Curvularia	-	7	13	280	9	7	13	230	7
Nigrospora	-	7	13	130	8	7	13	200	9
Other brown	13	7	13	93	28	7	13	93	33
Penicillium/Aspergillus types	-	13	160	1,600	69	33	210	2,400	83
Stachybotrys	-	7	13	320	3	7	13	220	4
Torula	-	7	13	170	12	7	13	160	11
Seldom found growing indoors**									
Ascospores	53	13	210	8,200	82	13	110	2,100	69
Basidiospores	-	13	290	11,000	92	13	210	8,700	92
Rusts	-	7	13	240	21	7	13	270	25
Smuts, Periconia, Myxomycetes	-	7	50	840	71	7	40	560	67
§ TOTAL SPORES/m3	67								

† 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; M Floor Women's

Date of Sampling: 05-12-2011
 Date of Receipt: 05-12-2011
 Date of Report: 05-13-2011

MoldRANGE™: Extended Outdoor Comparison**Outdoor Location: 2372-512-MA04, Exterior East**

Fungi Identified	Outdoor data	Typical Outdoor Data by Date†				Typical Outdoor Data by Location‡			
		Month: May				State: CA			
	spores/m3	low	med	high	freq %	low	med	high	freq %
Generally able to grow indoors*									
Alternaria	-	7	27	340	52	7	27	230	52
Bipolaris/Drechslera group	-	7	13	170	14	7	13	130	12
Chaetomium	-	7	13	120	13	7	13	120	20
Cladosporium	-	27	460	7,500	93	53	590	7,800	96
Curvularia	-	7	13	280	9	7	13	230	7
Nigrospora	-	7	13	130	8	7	13	200	9
Other brown	-	7	13	93	28	7	13	93	33
Penicillium/Aspergillus types	-	13	160	1,600	69	33	210	2,400	83
Stachybotrys	-	7	13	320	3	7	13	220	4
Torula	-	7	13	170	12	7	13	160	11
Seldom found growing indoors**									
Ascospores	-	13	210	8,200	82	13	110	2,100	69
Basidiospores	-	13	290	11,000	92	13	210	8,700	92
Rusts	-	7	13	240	21	7	13	270	25
Smuts, Periconia, Myxomycetes	40	7	50	840	71	7	40	560	67
§ TOTAL SPORES/m3	40								

† 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

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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) 888-6663



WEATHER		Fog	Rain	Snow	Wind	Clear
None						
Light						
Moderate						
Heavy						

CONTACT INFORMATION
 Address: 308 S Mt. Diablo Blvd, Ste 210
 Special Instructions: Lafayette, CA 94579
 Phone: 925-299-1140
 Email: mail@emlabpk.com

PROJECT INFORMATION
 Project ID: DG5-BOE
 Project Desc: M Floor Women's
 Project: Sampling
 Date & Time: 5/12/11
 PO Number: 3372.02-572

TURN AROUND TIME CODES - (TAT)
 STD - Standard (DEFAULT)
 ND - 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 (Printed in days/Trap ID, sec.)
2372-512-MA01	EXTERIOR WEST	ST SD	SD	75	14:30
2372-512-MA02	M Floor Ambient Hall	ST SD	SD	75	
2372-512-MA03	M Floor Women's Lobby	ST SD	SD	75	
2372-512-MA04	EXTERIOR EAST	ST SD	SD	75	15:30

SAMPLE TYPE CODES		RELINQUISHED BY		DATE/TIME	
ST - Spore Trap; Zefon, Allergenco, Burkard...	T - Tapc	Zhuoqi	5/12/11	6:00 PM	
SAS - Surface Air Sampler	SW - Swab	Nishiaki	5/12/11	4:30 PM	
CP - Contact Plate	B - Bulk				
	O - Other:				

Non-Cellulose		Other Requests	
Spore Trap	Quantitative Spore Count Direct Exam	Asbestos Analysis - PCM Airborne Fiber Count (NIOSH 7400)	PCR (Please specify test)
X	X	Asbestos Analysis - PVM (EPA method 600/R-93-116)	
X	X	Membrane Filtration (Please specify organism)	
X	X	MFPN Factors (Please specify organism)	
		Total Coliform, E.coli (Presence/Absence)	
		Gram Stain and Counts (Cultureable Air and Surface Bacteria)	
		Cultureable Air Fungi (Genus ID + Asp. spp.)	
		1-Media Surface Fungus (Genus ID + Asp. spp.)	
		2-Media Surface Fungus (Genus ID + Asp. spp.)	
		3-Media Surface Fungus (Genus ID + Asp. spp.)	
		Quantitative Spore Count Direct Exam	
		Direct Microscopic Exam (Qualitative)	
		Spore Trap Analysis - Other particle	
		Fungi - Spore Trap Analysis	

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EMLab P&K

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; M Floor Chiller Room
EML ID: 784573

Approved by:



Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 05-17-2011 and 05-18-2011

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 correction of results is not applied. The results relate only to the items tested.

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

Document Number: 200091 - Revision Number: 5

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

Date of Sampling: 05-17-2011
 Date of Receipt: 05-17-2011
 Date of Report: 05-18-2011

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‡: 3474025-1: Tape sample 2372-517-MC-T01: NW Area CWR Horiz Bottom Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3474026-1: Tape sample 2372-517-MC-T02: Center Area CWS Horiz Bottom Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3474027-1: Tape sample 2372-517-MC-T03: Center Area CWR Horiz Bottom Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3474028-1: Tape sample 2372-517-MC-T04: Center Area CWR Horiz Bottom Moderate	Very few	< 1+ <i>Bipolaris</i> / <i>Drechslera</i> group (spores, hyphae)	None	Minimal mold growth
Lab ID-Version: 3474029-1: Tape sample 2372-517-MC-T05: South Center CWS Horiz Bottom 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

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; Floors 24 and M
EML ID: 785185

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: 05-18-2011

Service SOPs: Spore trap analysis (1038)

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

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

Document Number: 200091 - Revision Number: 5

Client: LaCroix Davis, LLC
 C/O: Mr. Chris Corpuz, Mr. Ted Ice, Mr. Ashley
 McKinley, Ms. Andrea Steinbach
 Re: DGS-BOE; Floors 24 and M

Date of Sampling: 05-18-2011
 Date of Receipt: 05-18-2011
 Date of Report: 05-18-2011

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	2372.518-MA04: M. floor ambient elev. lobby		2372.518-MA05: M. floor offices reception		2372.518-MA06: M. floor offices hall W		2372.518-MA07: Exterior east	
Comments (see below)	A		A		A		A	
Lab ID-Version‡:	3476672-1		3476673-1		3476674-1		3476675-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria								
Arthrinium								
Ascospores*							5	150
Basidiospores*							23	1,200
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium							10	530
Curvularia								
Epicoccum								
Myrothecium								
Nigrospora								
Penicillium/Aspergillus types†	1	53						
Pithomyces								
Rusts*								
Smuts*, Periconia, Myxomycetes*	1	13					6	80
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	2+		2+		1+		2+	
Hyphal fragments/m3	< 13		< 13		< 13		< 13	
Pollen/m3	< 13		< 13		< 13		< 13	
Skin cells (1-4+)	< 1+		< 1+		1+		< 1+	
Sample volume (liters)	75		75		75		75	
§ TOTAL SPORES/m3		67		< 13		< 13		2,000

Comments: A) Analysis of replicate sample is delayed. Secondary data review 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.

For more information regarding analytical sensitivity, please contact QA by calling the laboratory.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

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

Client: LaCroix Davis, LLC
 C/O: Mr. Chris Corpuz, Mr. Ted Ice, Mr. Ashley
 McKinley, Ms. Andrea Steinbach
 Re: DGS-BOE; Floors 24 and M

Date of Sampling: 05-18-2011
 Date of Receipt: 05-18-2011
 Date of Report: 05-18-2011

MoldRANGE™: Extended Outdoor Comparison
Outdoor Location: 2372.518-MA07, Exterior east

Fungi Identified	Outdoor data	Typical Outdoor Data by Date†				Typical Outdoor Data by Location‡			
		Month: May				State: CA			
	spores/m3	low	med	high	freq %	low	med	high	freq %
Generally able to grow indoors*									
Alternaria	-	7	27	340	52	7	27	230	52
Bipolaris/Drechslera group	-	7	13	170	14	7	13	130	12
Chaetomium	-	7	13	120	13	7	13	120	20
Cladosporium	530	27	460	7,500	93	53	590	7,800	96
Curvularia	-	7	13	280	9	7	13	230	7
Nigrospora	-	7	13	130	8	7	13	200	9
Penicillium/Aspergillus types	-	13	160	1,600	69	33	210	2,400	83
Stachybotrys	-	7	13	320	3	7	13	220	4
Torula	-	7	13	170	12	7	13	160	11
Seldom found growing indoors**									
Ascospores	150	13	210	8,200	82	13	110	2,100	69
Basidiospores	1,200	13	290	11,000	92	13	210	8,700	92
Rusts	-	7	13	240	21	7	13	270	25
Smuts, Periconia, Myxomycetes	80	7	50	840	71	7	40	560	67
§ TOTAL SPORES/m3	2,000								

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



000785185

Requestor: BioCassette™, Anderson, SAS, Swab, Water, Bulk, Dust, Soil, Contact Plate

Requestor: Culturable

Requestor: Non-Culturable

Requestor: Spore Trap

PCR (Please specify test)	
Asbestos Analytes - PLM (EPA method 600/R-93-116)	
Asbestos Analytes - PCM Airborne Fiber Count (NIOSH 7400)	
QuantTray - Sewage Screen	
MPS 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 - 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	
Direct Microscopic Exam (Qualitative)	
Spore Trap Analysis - Other particles	
Fungi - Spore Trap Analysis	XXX

REINQUIRED BY	DATE & TIME
<i>Mcconaha</i>	5/18/11 11:15 AM

WEATHER:	Fog	Rain	Snow	Wind	Clear
	X				
None					
Light					
Moderate					
Heavy					

TURN AROUND TIME CODES (TAT)	Notes
STD - Standard (DEFAULT)	Rushes received after 2pm on pm weekdays, will be considered received the next business day
ND - Next Business Day	Please alert us in advance of weekend analysis needs
SD - Same Business Day Rush	
WH - Weekend/Holiday	

PROJECT INFORMATION	CONTACT INFORMATION
Company: <i>LA COIX DAVIS, LLC</i>	Address: <i>3605 Mt. Diablo Blvd, Ste 210 Lafayette, CA 94554</i>
Contact: <i>E. Corpuz; T. Ice; A. Steinbach; A. McConaha</i>	Special Instructions: <i>Lucial Contacts</i>
Phone: <i>925-299-1190</i>	

SAMPLE TYPE CODES	REINQUIRED BY	DATE & TIME
ST - Spore Trap; Zefon, Allergenco, Burkard... P - Potable Water NP - Non-Potable Water	<i>Mcconaha</i>	5/18/11 11:15 AM

Sample ID	Description	Sample Type (Below)	TAT (Above)	Total Volume/Area (As applicable)	Notes
<i>2372-518-F24A01</i>	<i>Exterior West</i>	<i>ST SD</i>	<i>ST SD</i>	<i>75</i>	
<i>2372-518-F24A02</i>	<i>Floor 24 Ambient N Hall</i>	<i>ST SD</i>	<i>ST SD</i>	<i>75</i>	
<i>2372-518-F24A03</i>	<i>Floor 24 Janitor Contain</i>	<i>ST SD</i>	<i>ST SD</i>	<i>75</i>	
<i>2372-518-MA04</i>	<i>M Floor Ambient Elevator</i>	<i>ST SD</i>	<i>ST SD</i>	<i>75</i>	
<i>2372-518-MA05</i>	<i>M Floor 0 Elevator</i>	<i>ST SD</i>	<i>ST SD</i>	<i>75</i>	
<i>2372-518-MA06</i>	<i>M Floor Offices hall W</i>	<i>ST SD</i>	<i>ST SD</i>	<i>75</i>	
<i>2372-518-MA07</i>	<i>EXTERIOR EAST</i>	<i>ST SD</i>	<i>ST SD</i>	<i>75</i>	

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 Doc # 200176 Rev: 24 Revised: 6/25/09 Page 1 of 1, QAD



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; M Floor Chiller Room
EML ID: 785748

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): 05-20-2011

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 correction of results is not applied. The results relate only to the items tested.

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

Document Number: 200091 - Revision Number: 5

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

Date of Sampling: 05-19-2011
 Date of Receipt: 05-19-2011
 Date of Report: 05-20-2011

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‡: 3479819-1: Tape sample 2372-519-MCT06: Chill Piping Riser Under Plastic Jacket at Pump North				
Very Heavy	Few	4+ <i>Cladosporium</i> species (spores, hyphae, conidiophores) 3+ <i>Alternaria</i> species (spores, hyphae, conidiophores) 2+ <i>Acremonium</i> species (spores, hyphae, conidiophores) 1+ Colorless spores typical of <i>Penicillium/Aspergillus</i> (spores, hyphae) 1+ <i>Ulocladium</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 3479820-1: Tape sample 2372-519-MCT07: Chill Piping Run Under Plastic Jacket at Pump North				
Heavy	Few	4+ <i>Stachybotrys</i> species (spores, hyphae, conidiophores) 3+ <i>Ulocladium</i> species (spores, hyphae, conidiophores) 2+ <i>Alternaria</i> species (spores, hyphae, conidiophores) 2+ <i>Penicillium</i> species (spores, hyphae, conidiophores)	None	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".

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



WEATHER			
Fog	Rain	Snow	Wind
None			
Light			
Moderate			
Heavy			

CONTACT INFORMATION

Company: Crux Davis LLC
 Address: 3885 Mt. Diablo Blvd, Ste 210 Lafayette, CA
 Special Instructions: mail contacts
 Phone: 925-299-1140

PROJECT INFORMATION

Project ID: DGS-BOE
 Project Desc: M Floor Chiller Room
 Sampling Date & Time: 5/19/11
 Zip Code: 94066
 PO Number: 2372.02-572

Sample ID	Description	Sample Type (Bio)	TAT (Hours)	Total Volume/Area (As applicable)	NOTES (Time of day, Temp, etc.)
2372-519-MC TOE chipping filter at pump					4-5' A North Side
2372-519-MC TOE chiller pump run at pump					North Side

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

Non-Culturable		Culturable	
Spore Trap	Tap	BioCassette	Water, Bulk, Dust, Soil, Contact Plate
Fungus - Spore Trap Analysis	Direct Microscopic Exam (Qualitative)	1-Media Surface Fungi (Genus ID + Asp. spp.)	1-Media Surface Fungi (Genus ID + Asp. spp.)
Spore Trap Analysis - Other particles	Quantitative Spore Count Direct Exam	2-Media Surface Fungi (Genus ID + Asp. spp.)	2-Media Surface Fungi (Genus ID + Asp. spp.)
		Culturable Air Fungi (Genus ID + Asp. spp.)	Culturable Air Fungi (Genus ID + Asp. spp.)
		Gram Stain and Counts (Culturable Air and Surface Bacteria)	Gram Stain and Counts (Culturable Air and Surface Bacteria)
		Legionella culture	Legionella culture
		Total Coliform, E.coli (Presence/Absence)	Total Coliform, E.coli (Presence/Absence)
		Membrane Filtration (Please specify organism)	Membrane Filtration (Please specify organism)
		MPN Bacteria (Please specify organism)	MPN Bacteria (Please specify organism)
		Quantitative - Sewage Screen	Quantitative - Sewage Screen
		Asbestos Analysis - PCM Airborne Fiber Count (NIOSH 7400)	Asbestos Analysis - PCM (EPA method 600/R-93-716)
		Asbestos Analysis - PLM (EPA method 600/R-93-716)	Asbestos Analysis - PLM (EPA method 600/R-93-716)
		PCR (please specify test)	PCR (please specify test)

RECEIVED BY	DATE & TIME
<u>[Signature]</u>	<u>5/11/11 1:15</u>

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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; M Floor Men's
EML ID: 785585

Approved by:



Lab Manager
Malcolm Moody

Dates of Analysis:

Spore trap analysis: 05-19-2011

Service SOPs: Spore trap analysis (1038)

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

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

Document Number: 200091 - Revision Number: 5

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

Date of Sampling: 05-19-2011
 Date of Receipt: 05-19-2011
 Date of Report: 05-19-2011

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	2372-519-MA01: Exterior M - N. east		2372-519-MA02: M Floor Hall Ambient		2372-519-MA03: M Floor Men's Containment		2372-519-MA04: Exterior West	
Comments (see below)	A		A		A		A	
Lab ID-Version‡:	3478909-1		3478910-1		3478911-1		3478912-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	1	13			1	13	53	710
Arthrinium								
Ascospores*	1	13			2	67	6	280
Basidiospores*	6	320	1	53			9	440
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium	23	1,200	1	53	1	53	139	7,400
Curvularia								
Epicoccum								
Myrothecium								
Nigrospora								
Penicillium/Aspergillus types†			1	53				
Pithomyces								
Rusts*	1	13					1	13
Smuts*, Periconia, Myxomycetes*	22	290			2	27	128	1,700
Stachybotrys								
Stemphylium							4	53
Torula								
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	< 1+		2+		< 1+		1+	
Hyphal fragments/m3	13		13		< 13		13	
Pollen/m3	< 13		< 13		< 13		67	
Skin cells (1-4+)	< 1+		2+		< 1+		< 1+	
Sample volume (liters)	75		75		75		75	
§ TOTAL SPORES/m3		1,900		160		160		11,000

Comments:A) Analysis of replicate sample is delayed. Secondary data review 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.

For more information regarding analytical sensitivity, please contact QA by calling the laboratory.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

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

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

Date of Sampling: 05-19-2011
 Date of Receipt: 05-19-2011
 Date of Report: 05-19-2011

MoldRANGE™: Extended Outdoor Comparison**Outdoor Location: 2372-519-MA01, Exterior M - N. east**

Fungi Identified	Outdoor data	Typical Outdoor Data by Date†				Typical Outdoor Data by Location‡			
		Month: May				State: CA			
	spores/m3	low	med	high	freq %	low	med	high	freq %
Generally able to grow indoors*									
Alternaria	13	7	27	340	52	7	27	230	52
Bipolaris/Drechslera group	-	7	13	170	14	7	13	130	12
Chaetomium	-	7	13	120	13	7	13	120	20
Cladosporium	1,200	27	460	7,500	93	53	590	7,800	96
Curvularia	-	7	13	280	9	7	13	230	7
Nigrospora	-	7	13	130	8	7	13	200	9
Penicillium/Aspergillus types	-	13	160	1,600	69	33	210	2,400	83
Stachybotrys	-	7	13	320	3	7	13	220	4
Stemphylium	-	7	13	80	5	7	13	67	8
Torula	-	7	13	170	12	7	13	160	11
Seldom found growing indoors**									
Ascospores	13	13	210	8,200	82	13	110	2,100	69
Basidiospores	320	13	290	11,000	92	13	210	8,700	92
Rusts	13	7	13	240	21	7	13	270	25
Smuts, Periconia, Myxomycetes	290	7	50	840	71	7	40	560	67
§ TOTAL SPORES/m3	1,900								

† 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; M Floor Men's

Date of Sampling: 05-19-2011
 Date of Receipt: 05-19-2011
 Date of Report: 05-19-2011

MoldRANGE™: Extended Outdoor Comparison
Outdoor Location: 2372-519-MA04, Exterior West

Fungi Identified	Outdoor data	Typical Outdoor Data by Date†				Typical Outdoor Data by Location‡			
		Month: May				State: CA			
	spores/m3	low	med	high	freq %	low	med	high	freq %
Generally able to grow indoors*									
Alternaria	710	7	27	340	52	7	27	230	52
Bipolaris/Drechslera group	-	7	13	170	14	7	13	130	12
Chaetomium	-	7	13	120	13	7	13	120	20
Cladosporium	7,400	27	460	7,500	93	53	590	7,800	96
Curvularia	-	7	13	280	9	7	13	230	7
Nigrospora	-	7	13	130	8	7	13	200	9
Penicillium/Aspergillus types	-	13	160	1,600	69	33	210	2,400	83
Stachybotrys	-	7	13	320	3	7	13	220	4
Stemphylium	53	7	13	80	5	7	13	67	8
Torula	-	7	13	170	12	7	13	160	11
Seldom found growing indoors**									
Ascospores	280	13	210	8,200	82	13	110	2,100	69
Basidiospores	440	13	290	11,000	92	13	210	8,700	92
Rusts	13	7	13	240	21	7	13	270	25
Smuts, Periconia, Myxomycetes	1,700	7	50	840	71	7	40	560	67
§ TOTAL SPORES/m3	11,000								

† 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

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 Phoenix, AZ: 1501 West Knudsen Drive, Phoenix, AZ 85027 * (602) 651-4802
 San Bruno, CA: 1150 Bayhill Drive, #100, San Bruno, CA 94066 * (866) 888-8653

WEATHER		Temp	RH	Wind	Obs
Temp	Dgt				
Moist	Hby				

FUNGAL ANAL

000785585

REQUESTED SERVICES

Non-Culturable	Culturable	Other
Spore Trap Spore Trap Analysis - Clonal particles Direct Microscopic Exam (Dual/lat w/) Quantitative Spore Count Direct Exa- Dust Characterization	Tape Swab Bulk BioCassette™ Andersen, SAS, Swab, Water, Bulk, Dust, Soil, Contact Plate	Air Fungi (Genus ID + Asp. speciation) Air Fungi - Full speciation Pen. & Clad. genus only 1-Media Surface Fungi (Genus ID - Asp. speciation) 1-Media Surface Fungi - Full speciation Pen. & Clad. genus of 1-Media Surface Fungi - Full speciation 2-Media Surface Fungi (Genus ID + Asp. speciation) 2-Media Surface Fungi - Full speciation Pen. & Clad. genus of 2-Media Surface Fungi - Full speciation 3-Media Surface Fungi (Genus ID + Asp. speciation) 3-Media Surface Fungi - Full speciation Pen. & Clad. genus of 3-Media Surface Fungi - Full speciation

CONTACT INFORMATION

Company: **LaCroix Davis, LLC**
 Address: **3685 Mt. Diablo Blvd. Lafayette CA94549**
 Special Instructions: **Please Email All Contacts**
 Contact: Chris Coruzzi Ted Lee; Andrea Steinback; Ashley McKinley
 Phone: **925-299-1140**

PROJECT INFORMATION

Project ID: **DAS-P&K**
 Project Desc: **M Floor Men's**
 Project: **Sampling**
 Date & Time: **5/19/11**
 Zip Code: **2372.02-572**
 PO Number: **2372.02-572**

TURN AROUND TIME COPIES - (TAT)

STD - Standard (DEFAULT)	Rushes received after 2pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.
ND - 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.)
2372-519-MA01	Exterior M - NE	ST	SD	75	10:40
2372-519-MA02	M Floor Hall Ambient	ST	SD	75	
2372-519-MA03	M Floor Men's Confinement	ST	SD	75	
2372-519-MA04	Exterior West	ST	SD	75	11:30

SAMPLE TYPE CODES

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

RELINQUISHED BY	DATE & TIME
<i>Thompson</i>	5/19/11 11:35
RECEIVED BY	DATE & TIME
<i>Shawna Quarean</i>	5/19/11 11:55

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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 M Chiller 3
EML ID: 790421

Approved by:



Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 06-03-2011

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 correction of results is not applied. 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, Mr. Ashley
 McKinley, Ms. Andrea Steinbach
 Re: DGS-BOE; Floor M Chiller 3

Date of Sampling: 06-02-2011
 Date of Receipt: 06-02-2011
 Date of Report: 06-03-2011

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‡: 3500388-1: Tape sample 2372-602-MC3-T01: Exh. Fan Rm Chill Pipe Ins.				
Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 3500389-1: Tape sample 2372-602-MC3-T02: Chiller Rm Chill Pipe Ins.				
Very Heavy	Very few	None	None	Normal trapping

* Indicative of normal conditions, i.e. seen on surfaces everywhere. Includes basidiospores (mushroom spores), myxomycetes, plant pathogens such as ascospores, rusts and smuts, and a mix of saprophytic genera with no particular spore type predominating. Distribution of spore types seen mirrors that usually seen outdoors.

† Quantities of molds seen growing are listed in the MOLD GROWTH column and are graded 1+ to 4+, with 4+ denoting the highest numbers.

†† Some comments may refer to the following: Most surfaces collect a mix of spores which are normally present in the outdoor environment. At times it is possible to note a skewing of the distribution of spore types, and also to note "marker" genera which may indicate indoor mold growth. Marker genera are those spore types which are present normally in very small numbers, but which multiply indoors when conditions are favorable for 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".

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

CONTACT INFORMATION

Company: **Lacron Parts, LLC**
 Address: **3885 Mt Diablo Blvd, Ste 210**
 City: **Alhambra, CA 94501**
 Phone: **925-299-1140**

PROJECT INFORMATION

Project ID: **DGS-BOE**
 Project Desc: **Floor M Chiller 3**
 Project: **Sampling**
 Date & Time: **6/2/11 1430**
 PO Number: **2372-02-572**

TURN AROUND TIME CODES (TAT)

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

WEATHER

None Rain Snow Wind Clear
 Light Moderate Heavy

REASON FOR TEST

Flushes received after 48hr on-
 weekend, will be considered
 received the next business day.
 Please allow us an additional 48
 hr weekend analysis time.

NOTES

14:30 Start on open
 " Start on floor

REQUIREMENTS

Shears

SAMPLE TYPE CODES

ST - Spore Trap; Zefon,
 Allergenco, Borkard...
 SW - Swab
 B - Bulk
 NP - Non-Portable Water
 O - Other

REQUIREMENTS

Shears

DATE & TIME

6/2/11

DATE & TIME

6/2/11



000790421

REQUIREMENTS

Biocassette™ Andersen, SAS, Swab, Weber, Bulk, Dust, Soil, Contact Plate

Non-Culturable

Spore Trap, Spore, Tape Swab, Bulk

Culturable

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

Other Requests

PCR (Please specify test), Adenosine Analysis - P/M (EPA method 600/R-93-116), Adenosine Analysis - PCM Airborne Fiber Count (NIOSH 7400), QuantTray - Sewage Screen, MPN Bacteria (Please specify organism), Membrane Filtration (Please specify organism), Total Coliform, E.coli (Presence/Absence), Fungal 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.)

DATE & TIME

6/2/11



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; M Floor Chiller Piping
EML ID: 793272

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

REVISED REPORT

Dates of Analysis:
Direct microscopic exam (Qualitative): 01-24-2012

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 correction of results is not applied. The results relate only to the items tested.

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

Document Number: 200091 - Revision Number: 5

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

Date of Sampling: 06-09-2011
 Date of Receipt: 06-10-2011
 Date of Report: 06-13-2011

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‡: 3512994-2: Tape sample 2372-609-MCT08: Chiller 1 Supply Run				
Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3512995-2: Tape sample 2372-609-MCT09: Chiller 1 Supply Riser at Thermo				
Moderate	Few	None	None	Normal trapping
Lab ID-Version: 3512996-2: Tape sample 2372-609-MCT10: Chiller 2 Supply Run				
Moderate	Very few	4+ <i>Ulocladium</i> species (spores, hyphae) 2+ Colorless spores typical of <i>Penicillium/Aspergillus</i> (spores, hyphae)	None	Mold growth
Lab ID-Version: 3512997-2: Tape sample 2372-609-MCT11: Chiller 2 Supply Riser				
Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 3512998-2: Tape sample 2372-609-MCT12: Chiller Tank Riser at Fitting				
Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3512999-2: Tape sample 2372-609-MCT13: Chill Return Above Pump 1 - At Top Valve				
Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 3513000-2: Tape sample 2372-609-MCT14: Chill Return Above Pump 3 - At Top Valve				
Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 3513001-2: Tape sample 2372-609-MCT15: Chill Return Above C2 - FG Insulation				
Very Heavy	Few	None	None	Normal trapping
Lab ID-Version: 3513002-2: Tape sample 2372-609-MC3T03: Chiller 3 Run West				
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‡: 3513003-2: Tape sample 2372-609-MC3T04: Chiller 3 Run East				
Heavy	Very few	3+ <i>Alternaria</i> species (spores, hyphae)	None	Mold growth

* Indicative of normal conditions, i.e. seen on surfaces everywhere. Includes basidiospores (mushroom spores), myxomycetes, plant pathogens such as ascospores, rusts and smuts, and a mix of saprophytic genera with no particular spore type predominating. Distribution of spore types seen mirrors that usually seen outdoors.

† Quantities of molds seen growing are listed in the MOLD GROWTH column and are graded 1+ to 4+, with 4+ denoting the highest numbers.

†† Some comments may refer to the following: Most surfaces collect a mix of spores which are normally present in the outdoor environment. At times it is possible to note a skewing of the distribution of spore types, and also to note "marker" genera which may indicate indoor mold growth. Marker genera are those spore types which are present normally in very small numbers, but which multiply indoors when conditions are favorable for 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".



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; M Chiller Room
EML ID: 799307

Approved by:



Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 06-28-2011

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 correction of results is not applied. 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, Mr. Ashley
 McKinley, Ms. Andrea Steinbach
 Re: DGS-BOE; M Chiller Room

Date of Sampling: 06-27-2011
 Date of Receipt: 06-27-2011
 Date of Report: 06-28-2011

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‡: 3540810-1: Tape sample 2372-627-MCT15: Pl run to CI EW at elbow				
Heavy	Few	None	None	Normal trapping
Lab ID-Version: 3540811-1: Tape sample 2372-627-MCT16: Pl run to CI NS at Valve				
Heavy	Few	None	None	Normal trapping
Lab ID-Version: 3540812-1: Tape sample 2372-627-MCT17: Return Tank Run to Pl NS				
Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3540813-1: Tape sample 2372-627-MCT18: Rubber Insul on Tank				
Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3540814-1: Tape sample 2372-627-MC3T05: C3 run EW below T17				
Very Heavy	Very few	None	None	Normal trapping

* Indicative of normal conditions, i.e. seen on surfaces everywhere. Includes basidiospores (mushroom spores), myxomycetes, plant pathogens such as ascospores, rusts and smuts, and a mix of saprophytic genera with no particular spore type predominating. Distribution of spore types seen mirrors that usually seen outdoors.

† Quantities of molds seen growing are listed in the MOLD GROWTH column and are graded 1+ to 4+, with 4+ denoting the highest numbers.

†† Some comments may refer to the following: Most surfaces collect a mix of spores which are normally present in the outdoor environment. At times it is possible to note a skewing of the distribution of spore types, and also to note "marker" genera which may indicate indoor mold growth. Marker genera are those spore types which are present normally in very small numbers, but which multiply indoors when conditions are favorable for 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".

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FUNGAL ANA

REQUESTED SERVICES

000799307

Non-Culturable

Spore Trap

Tape Swab

Bulk

BioCassettes™, And...

Water, Bulk,

Dust, Soil, Contact Plate

Cult

WEATHER		Ro	Rn	Stw	Wd	Obs
Temp	Hum					
Wind	Dir					
Pressure	Sea Level					
Clouds	Visibility					
Light	Moisture					
Day	Hour					

CONTACT INFORMATION

Company: LaCroix Davis, LLC

Address: 3685 MI. Diablo Blvd. Lafayette CA 94549

Special Instructions: Please Email All Contacts

Contact: Chris Carruz; Tod Lee; Andrea Steinbeck; Ashley McKinlay

Phone: 925-299-1140

PROJECT INFORMATION

Project ID: D45-B0E

Project Desc: M Chiller Room

Project Zip Code: 94027

PO Number: 2072-02-572

TURN AROUND TIME CODES - (TAT)

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

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 ID	DESCRIPTION	Sample Type (Below)	TAT (Above)	Total Volume/Area (as applicable)	NOTES (Time of day, Temp, RH, etc.)
2072-027-MC115	Plum to 01 E Water Tower	T	STD		1400
2072-027-MC116	Pipes to C1 NS at Valve	T	STD		
2072-027-MC117	Return Tank Run to P1 NS	T	STD		
2072-027-MC118	Rubber Insulation Tank	T	STD		
2072-027-MC125	CB Run EW below T17	T	STD		1400

SAMPLE TYPE CODES

BC - BioCassette
 A1S - Andersen
 SAS - Surface Air Sampler
 D - Dust
 W - Water
 SW - Swab
 B - Bulk
 SO - Soil

RELINQUISHED BY

Thompson

DATE & TIME

6/27/11

RECEIVED BY

W. Thompson

DATE & TIME

6/27/11 530

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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; M Chiller
EML ID: 799752

Approved by:



Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 06-28-2011

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 correction of results is not applied. 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, Mr. Ashley
 McKinley, Ms. Andrea Steinbach
 Re: DGS-BOE; M Chiller

Date of Sampling: 06-28-2011
 Date of Receipt: 06-28-2011
 Date of Report: 06-28-2011

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‡: 3542611-1: Tape sample 2372-628-MC-T19: East Wall GB Stain				
Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3542612-1: Tape sample 2372-628-MC-T20: Chiller Return Top at Valve				
Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3542613-1: Tape sample 2372-628-MC-T21: Chiller Supply Top at Valve				
Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3542614-1: Tape sample 2372-628-MC3-T06: Chiller 3 Return in Ex Fan Rm				
Heavy	Few	None	A few <i>Chaetomium</i> spores detected.	Mold growth in vicinity?
Lab ID-Version: 3542615-1: Tape sample 2372-628-MC3-T07: Chiller 3 Supply at N Wall				
Very Heavy	Very few	3+ <i>Cladosporium</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 3542616-1: Tape sample 2372-628-MC3-T08: Chiller 3 Supply at tie to CWS				
Heavy	Few	None	None	Normal trapping

* Indicative of normal conditions, i.e. seen on surfaces everywhere. Includes basidiospores (mushroom spores), myxomycetes, plant pathogens such as ascospores, rusts and smuts, and a mix of saprophytic genera with no particular spore type predominating. Distribution of spore types seen mirrors that usually seen outdoors.

† Quantities of molds seen growing are listed in the MOLD GROWTH column and are graded 1+ to 4+, with 4+ denoting the highest numbers.

†† Some comments may refer to the following: Most surfaces collect a mix of spores which are normally present in the outdoor environment. At times it is possible to note a skewing of the distribution of spore types, and also to note "marker" genera which may indicate indoor mold growth. Marker genera are those spore types which are present normally in very small numbers, but which multiply indoors when conditions are favorable for 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".

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

Company: LaCroix Davis, LLC

Contact: Chris Cooper, Test Lead; Andreea Steinhardt, Ashley McKinley

Phone: 925-299-1140

Address: 3685 Mc Diablo Blvd. Lafayette CA 94549

Special Instructions: Please Email All Contacts

PROJECT INFORMATION

Project ID: DG5-BDE
 Project Desc: M Chiller Room
 Project: Sampling
 Zip Code: Date & Time: 6/28/11
 PO Number: 2372-02-572

TURN AROUND TIME CODES - (TAT)

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

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

SAMPLE ID	DESCRIPTION	Sample Type (Below)	TAT (Above)	Total Volume/Area (as applicable)	NOTES (Time of day, Temp, RH, etc.)
2372-628-MC3-T19	East Wall Lab Stain	T	SD		
2372-628-MC3-T20	Chiller Return Top of Valve	T	SD		
2372-628-MC3-T21	Chiller Supply Top of Valve	T	SD		
2372-628-MC3-T06	Chiller 3 Register in Ext Room	T	SD		
2372-628-MC3-T07	Chiller 3 Supply at N Wall	T	SD		
2372-628-MC3-T08	Chiller 3 Supply at E to CWG	T	SD		

SAMPLE TYPE CODES			
BC - BioCassette	CP - Contact Plate	T - Tape	D - Dust
A15 - Andersen	ST - Spore Trap: Zefon, Allergenco, Baird	SW - Swab	W - Water
SAS - Surface Air Sampler	B - Bulk	SO - Soil	
O - Other:			

RELINQUISHED BY	DATE & TIME
<i>McKinley</i>	6/28/11

FUNGAL ANA

REQUESTED SERVICES 000799752

Non-Culturable

Spore Trap
 Tape Swab
 Bulk

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

Non-Culturable	Requested Services	07/06	07/07	07/08	07/09	07/10	07/11	07/12	07/13	07/14	07/15	07/16	07/17	07/18	07/19	07/20
Spore Trap Analysis - Other particles																
Direct Microscopic Exam (Qualitative)																
Quantitative Spore Count Direct Exam																
Dust Characterization																
Air Fungi - Full speciation																
Air Fungi (Genus ID + Asp. speciation)																
1-Media Surface Fungi (Genus ID + Asp. speciation)																
2-Media Surface Fungi (Genus ID + Asp. speciation)																
3-Media Surface Fungi (Genus ID + Asp. speciation)																
3-Media Surface Fungi - Full speciation Pen. & Clad. genus on																
1-Media Surface Fungi - Full speciation																
2-Media Surface Fungi (Genus ID + Asp. speciation)																
3-Media Surface Fungi (Genus ID + Asp. speciation)																
3-Media Surface Fungi - Full speciation Pen. & Clad. genus on																
3-Media Surface Fungi - Full speciation																
3-Media Surface Fungi - Full speciation Pen. & Clad. genus on																

RECEIVED BY	DATE & TIME
<i>McKinley</i>	6/28/11 10:50

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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; M Chiller Room CH2 P3
EML ID: 800251

Approved by:

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

Lab Manager
Malcolm Moody

Dates of Analysis:

Spore trap analysis: 06-29-2011

Service SOPs: Spore trap analysis (1038)

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

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

Document Number: 200091 - Revision Number: 5

Client: LaCroix Davis, LLC
 C/O: Mr. Chris Corpuz, Mr. Ted Ice, Mr. Ashley
 McKinley, Ms. Andrea Steinbach
 Re: DGS-BOE; M Chiller Room CH2 P3

Date of Sampling: 06-29-2011
 Date of Receipt: 06-29-2011
 Date of Report: 06-29-2011

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	2372-629-MA01: Exterior M - NE		2372-629-MA02: M-Chiller Ambient		2372-629-MA03: C2-P# Containment		2372-629-MA04: Exterior SW	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	3544638-1		3544639-1		3544640-1		3544641-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria			2	27	1	13	10	130
Arthrinium								
Ascospores*	1	53					7	370
Aureobasidium								
Basidiospores*	1	53	1	53			149	7,900
Bipolaris/Drechslera group								
Botrytis								
Chaetomium			1	13	1	13		
Cladosporium	6	320					56	3,000
Curvularia								
Epicoccum								
Myrothecium								
Nigrospora								
Penicillium/Aspergillus types†			2	110	1	53	8	430
Pithomyces								
Rusts*								
Smuts*, Periconia, Myxomycetes*	11	150					8	110
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	2+		2+		2+		2+	
Hyphal fragments/m3	< 13		27		13		< 13	
Pollen/m3	< 13		13		13		27	
Skin cells (1-4+)	1+		2+		1+		< 1+	
Sample volume (liters)	75		75		75		75	
§ TOTAL SPORES/m3		570		200		80		12,000

Comments:

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample.

* Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi.

† Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.

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

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

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

For more information regarding analytical sensitivity, please contact QA by calling the laboratory.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

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

Client: LaCroix Davis, LLC
 C/O: Mr. Chris Corpuz, Mr. Ted Ice, Mr. Ashley
 McKinley, Ms. Andrea Steinbach
 Re: DGS-BOE; M Chiller Room CH2 P3

Date of Sampling: 06-29-2011
 Date of Receipt: 06-29-2011
 Date of Report: 06-29-2011

MoldRANGE™: Extended Outdoor Comparison**Outdoor Location: 2372-629-MA01, Exterior M - NE**

Fungi Identified	Outdoor data	Typical Outdoor Data by Date†				Typical Outdoor Data by Location‡			
		Month: June				State: CA			
	spores/m3	low	med	high	freq %	low	med	high	freq %
Generally able to grow indoors*									
Alternaria	-	7	40	420	61	7	27	210	51
Bipolaris/Drechslera group	-	7	13	190	18	7	13	130	12
Chaetomium	-	7	13	120	13	7	13	120	20
Cladosporium	320	46	640	9,100	96	53	590	7,800	96
Curvularia	-	7	19	470	15	7	13	230	7
Nigrospora	-	7	13	150	11	7	13	200	9
Penicillium/Aspergillus types	-	20	160	2,000	71	33	210	2,500	83
Stachybotrys	-	7	13	340	3	7	13	210	4
Torula	-	7	13	190	13	7	13	160	11
Seldom found growing indoors**									
Ascospores	53	13	290	8,500	84	13	110	2,100	69
Basidiospores	53	13	430	22,000	94	13	210	8,700	92
Rusts	-	7	13	210	23	7	13	270	24
Smuts, Periconia, Myxomycetes	150	7	53	1,200	77	7	40	560	66
§ TOTAL SPORES/m3	570								

† 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; M Chiller Room CH2 P3

Date of Sampling: 06-29-2011
 Date of Receipt: 06-29-2011
 Date of Report: 06-29-2011

MoldRANGE™: Extended Outdoor Comparison**Outdoor Location: 2372-629-MA04, Exterior SW**

Fungi Identified	Outdoor data	Typical Outdoor Data by Date†				Typical Outdoor Data by Location‡			
		Month: June				State: CA			
	spores/m3	low	med	high	freq %	low	med	high	freq %
Generally able to grow indoors*									
Alternaria	130	7	40	420	61	7	27	210	51
Bipolaris/Drechslera group	-	7	13	190	18	7	13	130	12
Chaetomium	-	7	13	120	13	7	13	120	20
Cladosporium	3,000	46	640	9,100	96	53	590	7,800	96
Curvularia	-	7	19	470	15	7	13	230	7
Nigrospora	-	7	13	150	11	7	13	200	9
Penicillium/Aspergillus types	430	20	160	2,000	71	33	210	2,500	83
Stachybotrys	-	7	13	340	3	7	13	210	4
Torula	-	7	13	190	13	7	13	160	11
Seldom found growing indoors**									
Ascospores	370	13	290	8,500	84	13	110	2,100	69
Basidiospores	7,900	13	430	22,000	94	13	210	8,700	92
Rusts	-	7	13	210	23	7	13	270	24
Smuts, Periconia, Myxomycetes	110	7	53	1,200	77	7	40	560	66
§ TOTAL SPORES/m3	12,000								

† 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 * (656) 888-6653

WEATHER	FO	RB	SB	WH	OS
Fore					
Light					
Mobas					
Hay					

FUNGAL ANA

REQUESTED SERVICES

Non-Culturable **Cult:**

Spore Trap

Tape Swab

Bulk

BioCassette™, Ant.

Water, Bulk,

Dust, Soil, Contact Plate

000800251

Spore Trap Analysis - Other particles	Spore Trap Analysis	Dust Characterization	Quantitative Spore Count Direct Exam	Direct Microscopic Exam (Qualitative)	Air Fungi - Full speciation	Air Fungi (Genus ID + Asp. speciation)	Air Fungi - Full speciation Pen. & Clad. genus only	1-Media Surface Fungi - Full speciation	1-Media Surface Fungi (Genus ID + Asp. speciation)	1-Media Surface Fungi - Full speciation Pen. & Clad. genus or	2-Media Surface Fungi - Full speciation	2-Media Surface Fungi (Genus ID + Asp. speciation)	2-Media Surface Fungi - Full speciation Pen. & Clad. genus or	3-Media Surface Fungi - Full speciation	3-Media Surface Fungi (Genus ID + Asp. speciation)	3-Media Surface Fungi - Full speciation Pen. & Clad. genus or	3-Media Surface Fungi - Full speciation

RECEIVED BY	DATE & TIME
<i>[Signature]</i>	6/29/11 13:25

CONTACT INFORMATION

Company: **LaCroix Davis, LLC**
 Address: **3685 Mt. Diablo Blvd. Lafayette CA94549**
 Special Instructions: **Please Email All Contacts**

Contact/Care Corps: **Tea Lee; Andrea Stalpac; Ashley McKinley**
 Phone: **925-299-1140**

TURN AROUND TIME CODES - (TAT)

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

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 ID	DESCRIPTION	Sample Type (Below)	TAT (Above)	Total Volume/Area (as applicable)	NOTES (Time of day, Temp, RH, etc.)
2372-629-MA01	Exterior M-NE	ST SD		75	12:22
2372-629-MA02	M-Chiller Ambient	ST SD		75	12:29
2372-629-MA03	CA-P3 Containment	ST SD		75	12:39
2372-629-MA04	Exterior SW	ST SD		75	1:04

RELINQUISHED BY	DATE & TIME
<i>[Signature]</i>	6/29/11 13:22

SAMPLE TYPE CODES

BC - BioCassette™
 A1S - Andersen
 SAS - Surface Air Sampler
 O - Other

CP - Contact Plate
 ST - Spore Trap
 Z - Zefon, Allergenco, Burkard...

T - Tape
 SW - Swab
 B - Bulk

D - Dust
 W - Water
 SO - Soil

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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; M Chiller 3
EML ID: 801076

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): 07-01-2011

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 correction of results is not applied. The results relate only to the items tested.

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

Document Number: 200091 - Revision Number: 5

Client: LaCroix Davis, LLC
 C/O: Mr. Chris Corpuz, Mr. Ted Ice, Mr. Ashley
 McKinley, Ms. Andrea Steinbach
 Re: DGS-BOE; M Chiller 3

Date of Sampling: 06-30-2011
 Date of Receipt: 07-01-2011
 Date of Report: 07-05-2011

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‡: 3548625-1: Bulk sample 2372-630-MC3-B11: EF Rm East CH3 Wrap				
Miscellaneous debris	Very few	None	None	Normal trapping
Lab ID-Version: 3548626-1: Bulk sample 2372-630-MC3-B10: EF Rm NW CH3 Insul				
Miscellaneous debris	None	None	None	Normal trapping
Lab ID-Version: 3548630-1: Tape sample 2372-630-MC3-T09: EF Rm NW CH3 Wrap				
Very Heavy	Very few	2+ <i>Ulocladium</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 3548631-1: Tape sample 2372-630-MC3-T12: EF Rm East CH3 Wrap				
Heavy	Very few	None	None	Normal trapping

* Indicative of normal conditions, i.e. seen on surfaces everywhere. Includes basidiospores (mushroom spores), myxomycetes, plant pathogens such as ascospores, rusts and smuts, and a mix of saprophytic genera with no particular spore type predominating. Distribution of spore types seen mirrors that usually seen outdoors.

† Quantities of molds seen growing are listed in the MOLD GROWTH column and are graded 1+ to 4+, with 4+ denoting the highest numbers.

†† Some comments may refer to the following: Most surfaces collect a mix of spores which are normally present in the outdoor environment. At times it is possible to note a skewing of the distribution of spore types, and also to note "marker" genera which may indicate indoor mold growth. Marker genera are those spore types which are present normally in very small numbers, but which multiply indoors when conditions are favorable for 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".

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

WEATHER	RQ	RSN	SW	WTC	QTR
None					
Light					
Medium					
Heavy					

FUNGAL ANA

REQUESTED SERVICES

000801076

Non-Culturable

Spore Trap
Tape Swab
Bulk

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

Cult

1-Media Surface Fungi - Full speciation Pen. & Clad. genus or

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

2-Media Surface Fungi - Full speciation

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

3-Media Surface Fungi - Full speciation Pen. & Clad. genus or

3-Media Surface Fungi - Full speciation

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

3-Media Surface Fungi - Full speciation

Air Fungi (Genus ID + Asp. speciation)

Air Fungi - Full speciation Pen. & Clad. genus only

Air Fungi - Full speciation

Direct Microscopic Exam (Qualitative)

Quantitative Spore Count Direct Exam

Dust Characterization

Spore Trap Analysis - Other particles

Spore Trap Analysis

DATE & TIME

RECEIVED BY

DATE & TIME

CONTACT INFORMATION

Company: LaCroix Davis, LLC
 Address: 3685 Mt. Diablo Blvd. Lafayette CA 94549

Special Instructions: Please Email All Contacts

Contact: Chris Corpus; Ted Lee; Andrea Steinback; Ashley McKinley

Phone: 925-299-1140

PROJECT INFORMATION

Project ID: DGS-DDE
 Project Desc: M Chiller 3
 Project Zip Code: Sampling Date & Time: 6/30/11
 PO Number: 2372-02-572

TURN AROUND TIME CODES - (TAT)

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

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 ID	DESCRIPTION	Sample Type (Below)	TAT (Above)	Total Volume/Area (as applicable)	NOTES (Time of day, Temp, RH, etc.)
2372-620-MC3-T09	EFRM NW CH3 Wrap	T STD			
2372-620-MC3-T10	EFRM NW CH3 Insul	B STD			
2372-620-MC3-T11	EFRM East CH3 Wrap	B STD			
2372-620-MC3-T12	EFRM East CH3 Wrap	T STD			

SAMPLE TYPE CODES		RELINQUISHED BY	DATE & TIME
BC - BioCassette™	CP - Contact Plate	[Signature]	6/30/11
A1S - Andersen	ST - Spore Trap: Zefon, Allergenco, Burkard,...		
SAS - Surface Air Sampler	E - Bulk SO - Soil		
O - Other:			

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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; M Floor Chiller Piping
EML ID: 801747

Approved by:



Lab Manager
Malcolm Moody

REVISED REPORT

Dates of Analysis:
Direct microscopic exam (Qualitative): 01-24-2012

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 correction of results is not applied. The results relate only to the items tested.

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

Document Number: 200091 - Revision Number: 5

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

Date of Sampling: 07-05-2011
 Date of Receipt: 07-05-2011
 Date of Report: 07-05-2011

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‡: 3551634-2: Tape sample 2372-705-MCT22: Chiller 2 Riser at Top				
Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3551635-2: Tape sample 2372-705-MCT23: Fan Room West at Wall - FC Ins.				
Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3551636-2: Bulk sample 2372-705-MCB24: Fan Room West at Wall - Wrap				
Insulation	Very few	None	None	Normal trapping

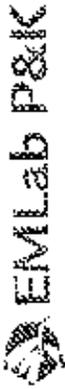
* Indicative of normal conditions, i.e. seen on surfaces everywhere. Includes basidiospores (mushroom spores), myxomycetes, plant pathogens such as ascospores, rusts and smuts, and a mix of saprophytic genera with no particular spore type predominating. Distribution of spore types seen mirrors that usually seen outdoors.

† Quantities of molds seen growing are listed in the MOLD GROWTH column and are graded 1+ to 4+, with 4+ denoting the highest numbers.

†† Some comments may refer to the following: Most surfaces collect a mix of spores which are normally present in the outdoor environment. At times it is possible to note a skewing of the distribution of spore types, and also to note "marker" genera which may indicate indoor mold growth. Marker genera are those spore types which are present normally in very small numbers, but which multiply indoors when conditions are favorable for 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".

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WEATHER		Fog	Rain	Snow	Wind	Clear
None						
Light						
Moderate						
Heavy						

CONTACT INFORMATION

Company: *LoChary Davis, LLC*
 Address: *3685 Mt. Diablo Blvd. Ste 210*
 Special Instructions: *leaf samples, 2A at 549*
 Contact: *Tricia A. Spangher*
 Phone: *925 299-1140*
mail contacts

PROJECT INFORMATION

Project ID: *DGS-BOE*
 Project Desc.: *M Floor Chiller Piping*
 Project: *Sampling*
 Date & Time: *7/5/11*
 Zip Code: *2372-02-572*
 PO Number: *2372-02-572*

TURN AROUND TIME CODES (TAT)

STD - Standard (DEFAULT)
 ND - Next Business Day
 SD - Same Business Day Itch
 WF - Weekend/Holiday

Sample ID	Description	Sample Type (Below)	Total Volume/Area (as applicable)	NOTE: (Time of day, Temp, RH, etc.)
<i>2372-705-MC-122</i>	<i>Chiller 2 Riser at Top</i>	<i>T SD</i>		
<i>2372-705-MC-123</i>	<i>Fan Room West of Hall-Follow</i>	<i>T SD</i>		
<i>2372-705-MC-124</i>	<i>Fan Room West of Hall-Corridor</i>	<i>SD</i>		

SAMPLE TYPE CODES		REQUISITIONED BY	DATE & TIME
BC - BioCassette™	ST - Spore Trap: Zefon, Allergenco, Burkard...	<i>Thompson</i>	<i>7/5/11 5:30</i>
A15 - Andersen	P - Potable Water		
SAS - Surface Air Sampler	NP - Non-Potable Water		
CP - Contact Plate			

REQUESTED SERVICES (V-96)

Non-Culturable	Culturable	Other Requests
Spore Trap Analysis - Other particles	Bio-Cassette™ Andersen, SAS, Swab, Water, Bulk, Dust, Soil, Contact Plate	Asbestos Analysis - PCM Airborne Fiber Count (NIOSH 7400)
Direct Microscopic Exam (Qualitative)	1-Media Surface Fungi (Genus ID + Asp. spp.)	Asbestos Analysis - PLM (EPA method 600/R-93-116)
Quantitative Spore Count Direct Exam	2-Media Surface Fungi (Genus ID + Asp. spp.)	PCR (Please specify test)
	3-Media Surface Fungi (Genus ID + Asp. spp.)	
	Culturable Air Fungi (Genus ID + Asp. spp.)	
	Green Stain and Counts (Culturable Air and Surface Bacteria)	
	Legionella culture	
	Treat Coliform, E.coli (Presence/Absence)	
	Membrane Filtration (Please specify organism)	
	MFN Bacteria (Please specify organism)	
	QuantTray - Sewage Screen	

RECEIVED BY	DATE & TIME
<i>Thompson</i>	<i>7/5/11 5:30</i>

000801747



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; M Floor Chiller Pump 2
EML ID: 801746

Approved by:

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

Lab Manager
Malcolm Moody

Dates of Analysis:

Spore trap analysis: 07-05-2011

Service SOPs: Spore trap analysis (1038)

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

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

Document Number: 200091 - Revision Number: 5

Client: LaCroix Davis, LLC
 C/O: Mr. Chris Corpuz, Mr. Ted Ice, Mr. Ashley
 McKinley, Ms. Andrea Steinbach
 Re: DGS-BOE; M Floor Chiller Pump 2

Date of Sampling: 07-05-2011
 Date of Receipt: 07-05-2011
 Date of Report: 07-05-2011

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	2372-705-MA01: Exterior M - NE		2372-705-MA02: M Chiller Room Ambient		2372-705-MA03: Pump 2 Containment		2372-705-MA04: Exterior SW	
Comments (see below)	A		A		A		A	
Lab ID-Version‡:	3551609-1		3551610-1		3551611-1		3551612-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	2	27	3	40	1	13	18	240
Arthrinium								
Ascospores*							2	110
Aureobasidium								
Basidiospores*	3	160	3	160	3	160	29	1,500
Bipolaris/Drechslera group							1	13
Chaetomium			12	160	3	40		
Cladosporium	8	430	8	430	7	370	119	6,300
Curvularia								
Epicoccum			1	13			3	40
Fusarium								
Nigrospora			1	13				
Other brown			2	27				
Penicillium/Aspergillus types†			1	53	1	53	1	53
Pithomyces								
Rusts*			1	13			1	13
Smuts*, Periconia, Myxomycetes*	12	160	3	40	1	13	117	1,600
Stachybotrys								
Stemphylium							1	13
Torula								
Ulocladium								
Background debris (1-4+)††	2+		3+		3+		3+	
Hyphal fragments/m3	13		80		< 13		80	
Pollen/m3	< 13		53		< 13		13	
Skin cells (1-4+)	1+		1+		1+		< 1+	
Sample volume (liters)	75		75		75		75	
§ TOTAL SPORES/m3		770		950		650		9,900

Comments:A) Analysis of replicate sample is delayed. Secondary data review 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.

For more information regarding analytical sensitivity, please contact QA by calling the laboratory.

‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

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

Client: LaCroix Davis, LLC
 C/O: Mr. Chris Corpuz, Mr. Ted Ice, Mr. Ashley
 McKinley, Ms. Andrea Steinbach
 Re: DGS-BOE; M Floor Chiller Pump 2

Date of Sampling: 07-05-2011
 Date of Receipt: 07-05-2011
 Date of Report: 07-05-2011

MoldRANGE™: Extended Outdoor Comparison**Outdoor Location: 2372-705-MA01, Exterior M - NE**

Fungi Identified	Outdoor data	Typical Outdoor Data by Date†				Typical Outdoor Data by Location‡			
		Month: July				State: CA			
	spores/m3	low	med	high	freq %	low	med	high	freq %
Generally able to grow indoors*									
Alternaria	27	7	40	520	65	7	27	210	51
Bipolaris/Drechslera group	-	7	13	290	22	7	13	130	12
Chaetomium	-	7	13	120	14	7	13	120	20
Cladosporium	430	47	760	10,000	97	53	590	7,800	96
Curvularia	-	7	27	800	23	7	13	230	7
Epicoccum	-	7	20	320	33	7	13	170	18
Nigrospora	-	7	13	200	16	7	13	200	9
Penicillium/Aspergillus types	-	27	210	2,700	78	33	210	2,500	83
Stachybotrys	-	7	13	300	3	7	13	210	4
Stemphylium	-	7	13	53	5	7	13	67	8
Torula	-	7	13	160	14	7	13	160	11
Seldom found growing indoors**									
Ascospores	-	13	270	7,000	84	13	110	2,100	69
Basidiospores	160	13	530	27,000	94	13	210	8,700	92
Rusts	-	7	13	260	23	7	13	270	24
Smuts, Periconia, Myxomycetes	160	7	53	1,900	78	7	40	560	66
§ TOTAL SPORES/m3	770								

† 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; M Floor Chiller Pump 2

Date of Sampling: 07-05-2011
 Date of Receipt: 07-05-2011
 Date of Report: 07-05-2011

MoldRANGE™: Extended Outdoor Comparison**Outdoor Location: 2372-705-MA04, Exterior SW**

Fungi Identified	Outdoor data	Typical Outdoor Data by Date†				Typical Outdoor Data by Location‡			
		Month: July				State: CA			
	spores/m3	low	med	high	freq %	low	med	high	freq %
Generally able to grow indoors*									
Alternaria	240	7	40	520	65	7	27	210	51
Bipolaris/Drechslera group	13	7	13	290	22	7	13	130	12
Chaetomium	-	7	13	120	14	7	13	120	20
Cladosporium	6,300	47	760	10,000	97	53	590	7,800	96
Curvularia	-	7	27	800	23	7	13	230	7
Epicoccum	40	7	20	320	33	7	13	170	18
Nigrospora	-	7	13	200	16	7	13	200	9
Penicillium/Aspergillus types	53	27	210	2,700	78	33	210	2,500	83
Stachybotrys	-	7	13	300	3	7	13	210	4
Stemphylium	13	7	13	53	5	7	13	67	8
Torula	-	7	13	160	14	7	13	160	11
Seldom found growing indoors**									
Ascospores	110	13	270	7,000	84	13	110	2,100	69
Basidiospores	1,500	13	530	27,000	94	13	210	8,700	92
Rusts	13	7	13	260	23	7	13	270	24
Smuts, Periconia, Myxomycetes	1,600	7	53	1,900	78	7	40	560	66
§ TOTAL SPORES/m3	9,900								

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

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

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

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



REQUESTED SERVICES Bio
 Culturable

WEATHER	Fog	Rain	Snow	Wind	Clear
None					<input checked="" type="checkbox"/>
Light					
Moderate					
Heavy					

Non-Culturable	Culturable
Spore Trap Spore Trap Analysis - Other particles Direct Microscopic Exam (Qualitative) Quantitative Spore Count Direct Exam 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 (Colourable Air and Surface Bacteria) Legionella culture Total Coliform, faecal (Presence/Absence) Membrane Filtration (Please specify organism) MPN Bacteria (Please specify organism) Quantitray - Sewage Screen Asbestos Analysis - PCM Airborne Fiber Count (NIOSH 7400) Asbestos Analysis - PLM (EPA method 600/R-93-116) PCR (please specify test)	BioCassette™, Andersen, SAS, Swab, Water, Bulk, Dust, Soil, Contact Plate

CONTACT INFORMATION
 Company: LAWREN DAVIS, LLC
 Address: 7685 Mt Diablo Blvd Suite 210 Lafayette, CA 94549
 Special Instructions: email contacts

PROJECT INFORMATION
 Project ID: D65-BOE
 Project Desc: M Floor Chiller Pump 2
 Project: Sampling
 Date & Time: 7/5/11
 Zip Code: 94012
 PO Number: 8372-02-572

Sample ID	Disruption	Sample Type (Flow)	TAT (Above)	Total Volume/Area (as applicable)	NOTES
8372-705-MAR1	Exterior	ST	SD	75	
8372-705-MAR2	M Chiller Room Ambient	ST	SD	75	
8372-705-MAR3	Pump 2 Containment	ST	SD	75	
8372-705-MAR4	Exterior SW	ST	SD	75	

SAMPLE TYPE CODES		RELINQUISHED BY	DATE & TIME
BC - BioCassette™	ST - Spore Trap; Zelon, Allegenco, Burkard...	<u>theom...</u>	<u>7/5/11 14:20</u>
A15 - Andersen	T - Tape; SW - Swab; B - Bulk		
SAS - Surface Air Sampler	D - Dust; SO - Soil		
CP - Contact Plate	P - Potable Water; NP - Non-Potable Water; O - Other		

RECEIVED BY	DATE & TIME
<u>[Signature]</u>	<u>7/5/11 13:21</u>

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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; M Floor Chiller Piping
EML ID: 802475

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): 07-07-2011

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 correction of results is not applied. 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, Mr. Ashley
 McKinley, Ms. Andrea Steinbach
 Re: DGS-BOE; M Floor Chiller Piping

Date of Sampling: 07-06-2011
 Date of Receipt: 07-08-2011
 Date of Report: 07-07-2011

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‡: 3554879-1: Tape sample 2372-706-MCT26: Compressor Room Pipe Insul.				
Moderate	Very few	None	Many dark amorphous particles detected, not biological in appearance.	Normal trapping
Lab ID-Version: 3554880-1: Tape sample 2372-706-MCT27: Hot H2O Htr. Room Pipe Insul.				
Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3554881-1: Tape sample 2372-706-MCT28: Cooling Coils Stain at Wall				
Heavy	Few	< 1+ <i>Cladosporium</i> species	None	Minimal mold growth

* Indicative of normal conditions, i.e. seen on surfaces everywhere. Includes basidiospores (mushroom spores), myxomycetes, plant pathogens such as ascospores, rusts and smuts, and a mix of saprophytic genera with no particular spore type predominating. Distribution of spore types seen mirrors that usually seen outdoors.

† Quantities of molds seen growing are listed in the MOLD GROWTH column and are graded 1+ to 4+, with 4+ denoting the highest numbers.

†† Some comments may refer to the following: Most surfaces collect a mix of spores which are normally present in the outdoor environment. At times it is possible to note a skewing of the distribution of spore types, and also to note "marker" genera which may indicate indoor mold growth. Marker genera are those spore types which are present normally in very small numbers, but which multiply indoors when conditions are favorable for 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".

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

PROJECT INFORMATION
Company: **Lagork Davis, LLC**
Contact: **Chris Puz; T. Ice; A. Steinbach**
Phone: **925.299.1150**
Project: **M Floor Chiller Piping**
Date & Time: **7/10/11**
PO Number: **2312-02-512**

CONTACT INFORMATION
Address: **3685 Mt Diablo Blvd. Suite 210**
Special Instructions: **Jaboyette, CA 94544**
mail contacts

Sample ID	Description	Sample Type (Below)	Trap (Above)	Total Volume/Assay (as applicable)	NOTES (Time of day, Temp, RH, etc.)
2312-706-MC-T26	compressor room pipe isol	T	SD	-	SW
2312-706-MC-T27	Hot H ₂ O H/C. same pipe isol	T	SD	-	center
2312-706-MC-T28	cooling coils stain of wall	T	SD	-	west edge of 2 pipes

SAMPLE TYPE CODES			
BC - BioCassette	ST - Spore Trap, Zeilon	T - Tape	D - Dust
A1S - Andersen	Allergenco, Burkhardt...	SW - Swab	SO - Soil
SAS - Surface Air Sampler	P - Potable Water	B - Bulk	
CP - Contact Plate	NP - Non-Potable Water	O - Other	

RELINQUISHED BY	DATE & TIME
<i>Handwritten signature</i>	7/10/11

RECEIVED BY	DATE & TIME
<i>Handwritten signature</i>	7/11/11 8:58AM

WEATHER			
None	Fog	Rain	Snow
Light			Wind
Moderate			Clear
Heavy			

Non-Culturable	Culturable	Other Requests
Spore Trap	1-Media Surface Fungi (Genus ID + App. spp.)	PCR (please specify test)
Spore	2-Media Surface Fungi (Genus ID + App. spp.)	Asbestos Analysis - PLM (EPA method 600/R-93-115)
Trap	3-Media Surface Fungi (Genus ID + App. spp.)	Asbestos Analysis - PCM Airborne Fiber Count (NIOSH 7400)
	Culturable Air Fungi (Genus ID + App. spp.)	QuantTray - Swage Screen
	Gram Stain and Count (Culturable Air and Surface Bacteria)	MFN Bacteria (Please specify organism)
	Logonair culture	Membrane Filtration (Please specify organism)
	Total Coliform, E.coli (Presence/Absence)	MFN Bacteria (Please specify organism)
	QuantTray - Swage Screen	PCR (please specify test)

REQUESTED SERVICES	
Non-Culturable	BioCassette™, Andersen, S/AS, Swab, Water, Bulk, Dust, Soil, Contact Plate
Culturable	



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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; M Floor Chiller Room
EML ID: 802191

Approved by:

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

Lab Manager
Malcolm Moody

Dates of Analysis:

Spore trap analysis: 07-06-2011

Service SOPs: Spore trap analysis (1038)

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

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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; M Floor Chiller Room

Date of Sampling: 07-06-2011
 Date of Receipt: 07-06-2011
 Date of Report: 07-06-2011

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	2372-706-MA01: Exterior SW		2372-706-MA02: M - Chiller Rm Ambient		2372-706-MA03: Pump 2 Containment		2372-706-MA04: Exterior M -NE	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	3553374-1		3553375-1		3553376-1		3553377-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	37	490	1	13			2	27
Arthrinium								
Ascospores*	3	160					1	13
Basidiospores*	12	640	1	53			1	53
Bipolaris/Drechslera group							1	13
Botrytis								
Chaetomium			1	13	1	13	1	13
Cladosporium	110	5,900	1	53	4	210	8	430
Curvularia								
Epicoccum								
Myrothecium								
Nigrospora								
Penicillium/Aspergillus types†	3	160			1	53	3	160
Pithomyces								
Rusts*	4	53						
Smuts*, Periconia, Myxomycetes*	12	160	5	67	1	13	5	67
Stachybotrys	1	13						
Stemphylium	1	13						
Torula	8	110						
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	2+		2+		2+		2+	
Hyphal fragments/m3	190		13		< 13		40	
Pollen/m3	13		< 13		< 13		< 13	
Skin cells (1-4+)	1+		1+		1+		1+	
Sample volume (liters)	75		75		75		75	
§ TOTAL SPORES/m3		7,700		200		290		770

Comments:

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample.

* Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi.

† Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.

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

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

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

For more information regarding analytical sensitivity, please contact QA by calling the laboratory.

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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; M Floor Chiller Room

Date of Sampling: 07-06-2011
 Date of Receipt: 07-06-2011
 Date of Report: 07-06-2011

MoldRANGE™: Extended Outdoor Comparison**Outdoor Location: 2372-706-MA01, Exterior SW**

Fungi Identified	Outdoor data	Typical Outdoor Data by Date†				Typical Outdoor Data by Location‡			
		Month: July				State: CA			
	spores/m3	low	med	high	freq %	low	med	high	freq %
Generally able to grow indoors*									
Alternaria	490	7	40	520	65	7	27	210	51
Bipolaris/Drechslera group	-	7	13	290	22	7	13	130	12
Chaetomium	-	7	13	120	14	7	13	120	20
Cladosporium	5,900	47	760	10,000	97	53	590	7,800	96
Curvularia	-	7	27	800	23	7	13	230	7
Nigrospora	-	7	13	200	16	7	13	200	9
Penicillium/Aspergillus types	160	27	210	2,700	78	33	210	2,500	83
Stachybotrys	13	7	13	300	3	7	13	210	4
Stemphylium	13	7	13	53	5	7	13	67	8
Torula	110	7	13	160	14	7	13	160	11
Seldom found growing indoors**									
Ascospores	160	13	270	7,000	84	13	110	2,100	69
Basidiospores	640	13	530	27,000	94	13	210	8,700	92
Rusts	53	7	13	260	23	7	13	270	24
Smuts, Periconia, Myxomycetes	160	7	53	1,900	78	7	40	560	66
§ TOTAL SPORES/m3	7,700								

† 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; M Floor Chiller Room

Date of Sampling: 07-06-2011
 Date of Receipt: 07-06-2011
 Date of Report: 07-06-2011

MoldRANGE™: Extended Outdoor Comparison**Outdoor Location: 2372-706-MA04, Exterior M -NE**

Fungi Identified	Outdoor data	Typical Outdoor Data by Date†				Typical Outdoor Data by Location‡			
		Month: July				State: CA			
	spores/m3	low	med	high	freq %	low	med	high	freq %
Generally able to grow indoors*									
Alternaria	27	7	40	520	65	7	27	210	51
Bipolaris/Drechslera group	13	7	13	290	22	7	13	130	12
Chaetomium	13	7	13	120	14	7	13	120	20
Cladosporium	430	47	760	10,000	97	53	590	7,800	96
Curvularia	-	7	27	800	23	7	13	230	7
Nigrospora	-	7	13	200	16	7	13	200	9
Penicillium/Aspergillus types	160	27	210	2,700	78	33	210	2,500	83
Stachybotrys	-	7	13	300	3	7	13	210	4
Stemphylium	-	7	13	53	5	7	13	67	8
Torula	-	7	13	160	14	7	13	160	11
Seldom found growing indoors**									
Ascospores	13	13	270	7,000	84	13	110	2,100	69
Basidiospores	53	13	530	27,000	94	13	210	8,700	92
Rusts	-	7	13	260	23	7	13	270	24
Smuts, Periconia, Myxomycetes	67	7	53	1,900	78	7	40	560	66
§ TOTAL SPORES/m3	770								

† 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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 Phoenix, AZ: 1501 West Knudsen Drive, Phoenix, AZ 85027 * (800) 651-4802
 San Bruno, CA: 1150 Bayhill Drive, #100, San Bruno, CA 94066 * (866) 868-6653

WEATHER		Fog	Rain	Snow	Wind	Clear
None						
Light						
Moderate						
Heavy						

CONTACT INFORMATION
 Company: Ironix Davis, LLC
 Address: 3605 Mt. Diablo Blvd Ste 210 Lafayette, CA 94549
 Special Instructions: email contact
 Phone: 925.299.1140

PROJECT INFORMATION
 Project ID: DGS-BOE
 Project Desc: M Floor Chiller Room
 Project: Sampling
 Zip Code: 94511
 PO Number: 2372.02-572

TURN AROUND TIME CODES (TAT)
 STD - Standard (DEFAULT)
 ND - Not business Day
 SD - Same Business Day Rush
 WH - Weekend/Holiday

Sample ID	Description	Sample Type (Below)	TAT (Above)	Total Volume/Area (as applicable)	NOTES
2372-706-MA01	Exterior SW	ST	WH	75	11:00
2372-706-MA02	M-Chiller Rm. Ambient	ST	WH	75	
2372-706-MA03	Pump 2 Containment	ST	WH	75	
2372-706-MA04	Exterior M-NE	ST	WH	75	11:55

SAMPLE TYPE CODES		REQUISITION BY		DATE & TIME
BC - BioCassette™	ST - Spore Trap; Zefon, Allergenco, Burkard...	Thompson	7/6/11	12:15
A15 - Anderson	SW - Swab			
SAS - Surface Air Sampler	B - Bulk			
CP - Contact Plate	NP - Non-Potable Water O - Other			

NON-CULTURABLE		CULTURABLE		Other Requests
Spore Trap	Spore Trap Analysis - Other particles	BioCassette™, Anderson, SAS, Swab, Water, Bulk, Dust, Soil, Contact Plate	Quantitative Spore Count Direct Exam	Asbestos Analysis - PCM Airborne Fiber Count (NIOSH 7400)
Direct Microscopic Exam (Qualitative)	Quantitative Spore Count Direct Exam	1-Media Surface Fungi (Genus ID + Asp. spp.)	2-Media Surface Fungi (Genus ID + Asp. spp.)	3-Media Surface Fungi (Genus ID + Asp. spp.)
Fungi - Spore Trap Analysis	Direct Microscopic Exam (Qualitative)	Gram Stain and Counts (Culturable Air and Surface Bacteria)	Legionella culture	Total Coliform, E.coli (Presence/Absence)
		Membrane Filtration (Please specify organism)	MYP Bacteria (Please specify organism)	PCR (please specify test)

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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; M Floor Chiller Piping
EML ID: 802971

Approved by:



Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 07-08-2011

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 correction of results is not applied. The results relate only to the items tested.

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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; M Floor Chiller Piping

Date of Sampling: 07-07-2011
 Date of Receipt: 07-08-2011
 Date of Report: 07-08-2011

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‡: 3556862-1: Tape sample 2372-707-MC3-T13: Chiller 3 at Wall Valve				
Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3556863-1: Tape sample 2372-707-MC-T25: Chill Supply above CH1-2				
Very Heavy	Very few	< 1+ Colorless spores typical of <i>Penicillium/Aspergillus</i> (spores, hyphae)	None	Minimal mold growth

* Indicative of normal conditions, i.e. seen on surfaces everywhere. Includes basidiospores (mushroom spores), myxomycetes, plant pathogens such as ascospores, rusts and smuts, and a mix of saprophytic genera with no particular spore type predominating. Distribution of spore types seen mirrors that usually seen outdoors.

† Quantities of molds seen growing are listed in the MOLD GROWTH column and are graded 1+ to 4+, with 4+ denoting the highest numbers.

†† Some comments may refer to the following: Most surfaces collect a mix of spores which are normally present in the outdoor environment. At times it is possible to note a skewing of the distribution of spore types, and also to note "marker" genera which may indicate indoor mold growth. Marker genera are those spore types which are present normally in very small numbers, but which multiply indoors when conditions are favorable for 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".



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WEATHER	Fog	Rain	Snow	Wind	Clear
None					
Light					
Moderate					
Heavy					

CONTACT INFORMATION
 Company: **LA CROIX DAVIS, LLC**
 Address: **1100 Mt. Diablo Blvd. Ste 210**
 Special Instructions: **Las Vegas, NV 89169**
 Contact: **email contacts**

PROJECT INFORMATION
 Project ID: **DGS - BOE**
 Project Desc: **MFloor Chiller Piping**
 Project: **Sampling**
 Date & Time: **7/7/11**
 Zip Code: **2312-02-572**
 PO Number: **2312-02-572**

TURN AROUND TIME CODES (TAT)
 STD - Standard (DEFAULT)
 ND - 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
2312-707-MC-3-T13	Chiller 3 at well	T	SD	---	
2312-707-MC-T25	Chiller supply above Chiller	T	SD	---	

REQUESTED SERVICES & BIO
 Culturable

Non-Culturable	Culturable	Other Requested
Spore Trap Analysis - Other particles	BioCassette™, Andersen, SAS, Swab, Water, Bulk, Dust, Soil, Contact Matr	PCR (Please specify test)
Fungi - Spore Trap Analysis	Quantitative Spore Count Direct Exam	Asbestos Analysis - PLM (EPA method 600/R-93-116)
Spore Trap Analysis	Direct Microscopic Exam (Qualitative)	Asbestos Analysis - PCM Airborne Fiber Count (NIOSH 7400)
	Quantitative Spore Count Direct Exam	Quant. Tray - Sewage Screen
	Fungi - Surface Fungi (Genus ID + Asp. spp.)	MPN Bacteria (Please specify organism)
	2-Media Surface Fungi (Genus ID + Asp. spp.)	Membrane Filtration (Please specify organism)
	3-Media Surface Fungi (Genus ID + Asp. spp.)	Total Coliform, e.coli (Presence/Absence)
	Culturable Air Fungi (Genus ID + Asp. spp.)	Legionella culture
	Gram Stain and Count (Culturable Air and Surface Factors)	

RECEIVED BY
 [Signature]
DATE & TIME
 7/8/11 8AM

REQUISITIONED BY
 [Signature]
DATE & TIME
 7/7/11

SAMPLE TYPE CODES	T - Tape	D - Dust
ST - Spore Trap; Zelon, Allergenco, Burkard...	SW - Swab	SO - Soil
P - Potable Water	B - Bulk	
NP - Non-Potable Water	O - Other:	

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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; M Floor Chiller Pipes
EML ID: 803327

Approved by:



Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 07-08-2011

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 correction of results is not applied. The results relate only to the items tested.

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

Document Number: 200091 - Revision Number: 5

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

Date of Sampling: 07-08-2011
 Date of Receipt: 07-08-2011
 Date of Report: 07-08-2011

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‡: 3558568-1: Bulk sample 2372-708-MC3-B14: CH3 Ref @ Valve to CWR				
Insulation	None	None	None	Normal trapping
Lab ID-Version: 3558569-1: Bulk sample 2372-708-B31: Stored Duct Liner - New				
Insulation	Very few	None	None	Normal trapping
Lab ID-Version: 3558570-1: Tape sample 2372-708-MC3-T15: CH3S at Thermo				
Very Heavy	Very few	4+ <i>Alternaria</i> species (spores, hyphae, conidiophores) 3+ <i>Chaetomium</i> species (ascospores, ascomata, hyphae)	None	Mold growth
Lab ID-Version: 3558571-1: Tape sample 2372-708-MC-T29: CHS N Wall Surface Siding at Fitting				
Very Heavy	Few	None	None	Normal trapping
Lab ID-Version: 3558572-1: Tape sample 2372-708-MC-T30: CHR Tank Riser West				
Moderate	Very few	4+ <i>Penicillium</i> species (spores, hyphae, conidiophores)	None	Mold growth

* Indicative of normal conditions, i.e. seen on surfaces everywhere. Includes basidiospores (mushroom spores), myxomycetes, plant pathogens such as ascospores, rusts and smuts, and a mix of saprophytic genera with no particular spore type predominating. Distribution of spore types seen mirrors that usually seen outdoors.

† Quantities of molds seen growing are listed in the MOLD GROWTH column and are graded 1+ to 4+, with 4+ denoting the highest numbers.

†† Some comments may refer to the following: Most surfaces collect a mix of spores which are normally present in the outdoor environment. At times it is possible to note a skewing of the distribution of spore types, and also to note "marker" genera which may indicate indoor mold growth. Marker genera are those spore types which are present normally in very small numbers, but which multiply indoors when conditions are favorable for 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".



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WEATHER			
None	Fog	Snow	Wind
Light			
Moderate			
Heavy			

REQUESTED SERVICES	
Non-Culturable	Culturable

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

CONTACT INFORMATION
 Company: LA Croix Davis LLC
 Address: 3685 Mt. Diablo Blvd Ste 210
 Special Instructions: Torrey Pines, CA 94549
 Contract: T. Ives; A. Steinbach; A. McKinley
 Phone: 925-299-1140
 email contacts

PROJECT INFORMATION
 Project ID: DG5-PDE
 Project Desc: M Floor Chiller pipes
 Project: Sampling
 Date & Time: 7/8/11
 Zip Code:
 PO Number: 2372-02-572

Sample ID	Description	Sample Type (Below)	TA (Above)	Total Volume/Area (as applicable)	NOTES
2372-708-MC3-T19	chillers at Torrey Pines	T	SD	-	combustion visible
2372-708-MC729	chillers at Torrey Pines	T	SD	-	
2372-708-MC730	chiller tank near West	T	SD	-	
2372-708-MC3B14	chiller valve to cur	B	SD	-	Intake to storage tank
2372-708-B31	stored duct liner near	B	SD	-	new material

BC - BioCassette	ST - Spore Trap; Zefon, Allergenco, Ruriland...	T - Tape	D - Dust	REQUISITIONED BY: Mearns	DATE & TIME: 7/8/11
ATIS - Andersen	P - Potable Water	SW - Swab	SO - Soil		
SAS - Surface Air Sampler	NP - Non-Potable Water	B - Bulk	O - Other:		
CP - Contact Plate					

RECEIVED BY: [Signature]	DATE & TIME: 7/8/11 1600
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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; M Floor Chiller Rm
EML ID: 803486

Approved by:

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

Lab Manager
Malcolm Moody

Dates of Analysis:

Spore trap analysis: 07-11-2011

Service SOPs: Spore trap analysis (1038)

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

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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; M Floor Chiller Rm

Date of Sampling: 07-11-2011
 Date of Receipt: 07-11-2011
 Date of Report: 07-11-2011

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	2372-711-MA01: Exterior SW		2372-711-MA02: M Floor Chiller Room Ambient		2372-711-MA03: Chiller 1 Pump 1 Containment		2372-711-MA04: Exterior NW	
Comments (see below)	A		A		A		A	
Lab ID-Version‡:	3559338-1		3559339-1		3559340-1		3559341-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	4	53			1	13	13	170
Arthrinium								
Ascospores*	5	270					5	270
Basidiospores*	6	320	2	110			3	160
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium	15	800					11	590
Curvularia								
Epicoccum								
Myrothecium								
Nigrospora								
Penicillium/Aspergillus types†	1	53			1	53	1	53
Pithomyces								
Rusts*	1	13					3	40
Smuts*, Periconia, Myxomycetes*	2	27	1	13			33	440
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	2+		1+		2+		2+	
Hyphal fragments/m3	13		< 13		< 13		67	
Pollen/m3	67		13		13		13	
Skin cells (1-4+)	1+		< 1+		1+		< 1+	
Sample volume (liters)	75		75		75		75	
§ TOTAL SPORES/m3		1,500		120		67		1,700

Comments:A) Analysis of replicate sample is delayed. Secondary data review 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.

For more information regarding analytical sensitivity, please contact QA by calling the laboratory.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

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

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

Date of Sampling: 07-11-2011
 Date of Receipt: 07-11-2011
 Date of Report: 07-11-2011

MoldRANGE™: Extended Outdoor Comparison
Outdoor Location: 2372-711-MA01, Exterior SW

Fungi Identified	Outdoor data	Typical Outdoor Data by Date†				Typical Outdoor Data by Location‡			
		Month: July				State: CA			
	spores/m3	low	med	high	freq %	low	med	high	freq %
Generally able to grow indoors*									
Alternaria	53	7	40	530	65	7	27	210	51
Bipolaris/Drechslera group	-	7	13	290	22	7	13	130	12
Chaetomium	-	7	13	120	13	7	13	120	19
Cladosporium	800	47	770	10,000	97	53	590	7,800	96
Curvularia	-	7	27	790	23	7	13	230	7
Nigrospora	-	7	13	200	16	7	13	200	9
Penicillium/Aspergillus types	53	27	210	2,800	77	33	210	2,400	83
Stachybotrys	-	7	13	320	3	7	13	210	4
Torula	-	7	13	170	14	7	13	160	11
Seldom found growing indoors**									
Ascospores	270	13	280	6,900	85	13	110	2,100	69
Basidiospores	320	13	550	27,000	94	13	210	8,800	92
Rusts	13	7	13	270	23	7	13	270	24
Smuts, Periconia, Myxomycetes	27	7	53	2,000	77	7	40	570	66
§ TOTAL SPORES/m3	1,500								

† 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; M Floor Chiller Rm

Date of Sampling: 07-11-2011
 Date of Receipt: 07-11-2011
 Date of Report: 07-11-2011

MoldRANGE™: Extended Outdoor Comparison
Outdoor Location: 2372-711-MA04, Exterior NW

Fungi Identified	Outdoor data	Typical Outdoor Data by Date†				Typical Outdoor Data by Location‡			
		Month: July				State: CA			
	spores/m3	low	med	high	freq %	low	med	high	freq %
Generally able to grow indoors*									
Alternaria	170	7	40	530	65	7	27	210	51
Bipolaris/Drechslera group	-	7	13	290	22	7	13	130	12
Chaetomium	-	7	13	120	13	7	13	120	19
Cladosporium	590	47	770	10,000	97	53	590	7,800	96
Curvularia	-	7	27	790	23	7	13	230	7
Nigrospora	-	7	13	200	16	7	13	200	9
Penicillium/Aspergillus types	53	27	210	2,800	77	33	210	2,400	83
Stachybotrys	-	7	13	320	3	7	13	210	4
Torula	-	7	13	170	14	7	13	160	11
Seldom found growing indoors**									
Ascospores	270	13	280	6,900	85	13	110	2,100	69
Basidiospores	160	13	550	27,000	94	13	210	8,800	92
Rusts	40	7	13	270	23	7	13	270	24
Smuts, Periconia, Myxomycetes	440	7	53	2,000	77	7	40	570	66
§ TOTAL SPORES/m3	1,700								

† 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

Non-Culturable: Spore Trap Spore Trap Analysis - Other particles Fungi - Spore Trap Analysis Fungi - Spore Trap Analysis (Qualitative) Direct Microscopic Exam (Qualitative) Quantitative Spore Count (Direct Exam) Gram 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) Quant. Tray - Sewage Screen Advanced Analysis - PCM Airborne Fiber Count (NIOSH 7400) Asbestos Analysis - PLM (TPA method 800/R-93-116) PCR (please specify test)

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

WEATHER

None	Fog	Rain	Snow	Wind	Clear
<input type="checkbox"/>	<input checked="" type="checkbox"/>				
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					

CONTACT INFORMATION

Company: DAVIS INC
 Address: 3085 Mt. Diablo Blvd Ste 210
 Special Instructions: Cupertino, CA 94549
 Contact: 714.210.1140
 Email: smallcontracts

PROJECT INFORMATION

Project ID: DGS-BOE
 Project Desc: M Floor Chiller Room
 Project: Sampling
 Date & Time: 7/11/11 7:00
 Zip Code: 94549
 PO Number: 2372.02-572

TURN AROUND TIME CODES (TAT)

STD - Standard (DEFAULT)
 NBD - Next Business Day
 SD - Same Business Day Rush
 WRI - Weekend/Holiday

Business received after 5pm on
 weekdays, will be considered
 received the next business day.
 SD lead times are subject to
 workload analysis needs.

Sample ID	Description	Sample Type (Follow)	TAT (Also Follow)	Total Volume/Amount (as applicable)	NOTES (Time of Day, Temp, RH, etc)
2372-711-M01	EXTERIOR SW	ST	SD	75	7:00
2372-711-M02	M Floor Chiller Room Ambient	ST	SD	75	
2372-711-M03	Chiller Pump Control Room	ST	SD	75	
2372-711-M04	M EXTERIOR NW	ST	SD	75	7:43

SAMPLE TYPE CODES		REQUIREMENTS		DATE & TIME
BC - BioCassette	ST - Spore Trap; Zefon,	T - Tape	D - Dust	7/11/11 8:00
A15 - Andersen	Allergenco, Burkard...	SW - Swab	SD - Soil	
SAS - Surface Air Sampler	P - Potable Water	B - Bulk		
CP - Contact Plate	NP - Non-Potable Water	O - Other		

RECEIVED BY	DATE & TIME
<i>Therese</i>	7/11/11 8:00

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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; M Floor Piping Insulation
EML ID: 806010

Approved by:



Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 07-15-2011

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 correction of results is not applied. The results relate only to the items tested.

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

Document Number: 200091 - Revision Number: 5

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

Date of Sampling: 07-15-2011
 Date of Receipt: 07-15-2011
 Date of Report: 07-15-2011

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‡: 3570749-1: Tape sample 2372-715-MH-T01: M Water Htr Rm Heating Water Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3570750-1: Tape sample 2372-715-MH-T02: M Water Htr Rm Heating Water Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3570751-1: Tape sample 2372-715-MH-T03: M Water Htr Rm Heating Water Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3570752-1: Tape sample 2372-715-MCW-T04: M Water Htr Rm Cold Water Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3570753-1: Tape sample 2372-715-MCW-T05: M Water Htr Rm Cold Water Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3570754-1: Tape sample 2372-715CW-M-T06: M Water Htr Rm Cold Water None	Very few	3+ <i>Ulocladium</i> species (spores, hyphae, conidiophores) 2+ Colorless spores typical of <i>Penicillium/Aspergillus</i> (spores, hyphae)	None	Mold growth
Lab ID-Version: 3570755-1: Tape sample 2372-715-MCW-T07: M Water Htr Rm Cold Water Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3570756-1: Tape sample 2372-715-MDH-T08: M Water Htr Rm Dom Hot Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3570757-1: Tape sample 2372-715-MDH-T09: M Water Htr Rm Dom Hot Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3570758-1: Tape sample 2372-715-MC3W-T10: M Water Htr Rm CH3 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‡: 3570759-1: Tape sample 2372-715-MC3W-T11: M Water Htr Rm CH3				
Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 3570760-1: Tape sample 2372-715-MC3W-T12: M Water Htr Rm CH3				
Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 3570785-1: Tape sample 2372-715-MC3W-T13: M Water Htr Rm CH3				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 3570786-1: Tape sample 2372-715-MH-T14: M Water Htr Rm Heating				
Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 3570787-1: Tape sample 2372-715-MC3W-T15: M Water Rm CH3				
Heavy	Very few	None	None	Normal trapping

* Indicative of normal conditions, i.e. seen on surfaces everywhere. Includes basidiospores (mushroom spores), myxomycetes, plant pathogens such as ascospores, rusts and smuts, and a mix of saprophytic genera with no particular spore type predominating. Distribution of spore types seen mirrors that usually seen outdoors.

† Quantities of molds seen growing are listed in the MOLD GROWTH column and are graded 1+ to 4+, with 4+ denoting the highest numbers.

†† Some comments may refer to the following: Most surfaces collect a mix of spores which are normally present in the outdoor environment. At times it is possible to note a skewing of the distribution of spore types, and also to note "marker" genera which may indicate indoor mold growth. Marker genera are those spore types which are present normally in very small numbers, but which multiply indoors when conditions are favorable for 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".



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 San Bruno, CA: 1150 Bayhill Drive, #100, San Bruno, CA 94066 * (866) 888-6853



WEATHER: Fog Rain Snow Wind Clear
 None Light Moderate Heavy

CONTAINMENT INFORMATION
 Company: *LeCroix Davis, LLC*
 Contact: *925-2499-1140*
 Address: *705 Mt Diablo Blvd, Ste 210, Lafayette, CA 94549*
 Special Instructions: *email contacts*

PROJECT INFORMATION
 Project ID: *DGS-BOE*
 Project Desc: *MFloor piping insulation*
 Sampling Date & Time: *7/15/11*
 PO Number: *2372.02-572*

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

Rushes received after 2PM on weekdays, will be considered received the next business day. Please alert us in advance of weekend analysis needs.

Sample ID	Description	Sample Type (Below)	TAT (Above)	Volume/Area (sq ft)	Notes (Temp RH, etc)
2372-7152	MH-T01 M Water Htr Rm Heating Water	T	SD		
2372-7153	MH-T02 M Water Htr Rm Heating Water	T	SD		
2372-7154	MH-T03 M Water Htr Rm Heating Water	T	SD		
2372-7155	MH-T04 M Water Htr Rm Cold Water	T	SD		
2372-7156	MH-T05 M Water Htr Rm Cold Water	T	SD		
2372-7157	MH-T06 M Water Htr Rm Cold Water	T	SD		
2372-7158	MH-T07 M Water Htr Rm Cold Water	T	SD		
2372-7159	MH-T08 M Water Htr Rm Down Hot	T	SD		
2372-7160	MH-T09 M Water Htr Rm Down Hot	T	SD		
2372-7161	MH-T10 M Water Htr Rm CH3	T	SD		
2372-7162	MH-T11 M Water Htr Rm CH3	T	SD		
2372-7163	MH-T12 M Water Htr Rm CH3	T	SD		

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

RECEIVED BY: *Therese...* **DATE/TIME:** *7/15/11 14:20*

RECEIVED BY: *Therese...* **DATE/TIME:** *7/15/11 14:20*

Non-Culturable	Culturable	Requests
Spore Trap Analysis - Other particles		
Direct Microscopic Exam (Qualitative)		
Quantitative Spore Count Direct Exam		
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)		
Legionella culture		
Total Coliform, E.coli (Presence/Absence)		
Membrane Filtration (Please specify organism)		
MPN Bacteria (Please specify organism)		
Quant/Try - Sewage Screen		
Asbestos Analysis - PCM Airborne Fiber Count (NIOSH 7400)		
Asbestos Analysis - PLM (EPA Method 800/R-63-116)		
PCR (please specify test)		

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WEATHER		Fog	Rain	Snow	Wind	Clear
Name						
Light						
Moderate						
Heavy						

CONTACT INFORMATION
 Company: Croix Davis, LLC
 Contact: T. La-Ja Steinbach
 Phone: 925.299.1140
 Address: 2685 Mt Diablo Blvd Ste 210 Lafayette, CA 94509
 Special Instructions: *mail contacts*

PROJECT INFORMATION
 Project ID: DGS-BOE
 Project Desc: M Floor piping insulation
 Project: Sampling Date & Time: 7/15/11
 Zip Code:
 PO Number: 2372-02-572

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

Rushes processed within 24 hrs. (if weekends will be considered) received the next business day. Please alert us in advance of weekend analysis needs.

Sample ID	Description	Sample Type (Below)	TAT (Above)	Notes
2372-715-MC3W-T13	Mechanical Floor CH3	T	SD	
2372-715-MH-T14	Mechanical Floor Heating	T	SD	
2372-715-MC3W-T15	Mechanical Floor CH3	T	SD	

REQUESTED SERVICES

Non-Culturable	Culturable	Other Requests
Spore Trap	BioCassette™, Andersen, SAS, Swab	Asbestos Analyts - PCM Airborne Fiber Count (NIOSH 7400)
Trap	Water, Bulk, Dust, Soil, Contact Plate	Asbestos Analyts - PLM (EPA method 800/R-93-18)
	Bulk	PCR (please specify test)
	Quantitative Spore Count Direct Exam	
	Direct Microscopic Exam (Qualitative)	
	Spore Trap Analysis - Other particles	
	Fungal - Spore Trap Analysis	
	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)	
	Legionella culture	
	Total Coliform, E. coli (Presence/Absence)	
	Membrane Filtration (Please specify organism)	
	MPN Bacteria (Please specify organism)	
	QuantiTray - Sewage Screen	

SAMPLE TYPE CODES		REQUISITION BY		DATE & TIME	
ST - Spore Trap, Zetoni, Allergenco, Burkard ...	T - Tape	<i>Thomson</i>		7/15/11	
P - Potable Water	SW - Swab				
NP - Non-Potable Water	B - Bulk				
CP - Contact Plate	O - Other				
BC - BioCassette™	D - Dust				
A1S - Andersen	SO - Soil				
SAS - Surface Air Sampler					

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 Doc. # 2007c Rev. 24, Revise: 6/2009 Page 1 of 1, C&D



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; M Floor Piping
EML ID: 806656

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): 07-19-2011

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 correction of results is not applied. The results relate only to the items tested.

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

Document Number: 200091 - Revision Number: 5

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; M Floor Piping

Date of Sampling: 07-18-2011
 Date of Receipt: 07-18-2011
 Date of Report: 07-19-2011

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‡: 3574323-1: Tape sample 2372-718-MFS-T01: Stain GB AC @ Fire Sprinkler				
Very Heavy	Very few	None	None	Normal trapping

* Indicative of normal conditions, i.e. seen on surfaces everywhere. Includes basidiospores (mushroom spores), myxomycetes, plant pathogens such as ascospores, rusts and smuts, and a mix of saprophytic genera with no particular spore type predominating. Distribution of spore types seen mirrors that usually seen outdoors.

† Quantities of molds seen growing are listed in the MOLD GROWTH column and are graded 1+ to 4+, with 4+ denoting the highest numbers.

†† Some comments may refer to the following: Most surfaces collect a mix of spores which are normally present in the outdoor environment. At times it is possible to note a skewing of the distribution of spore types, and also to note "marker" genera which may indicate indoor mold growth. Marker genera are those spore types which are present normally in very small numbers, but which multiply indoors when conditions are favorable for 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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 San Bruno, CA: 1150 Bayhill Drive, #100, San Bruno, CA 94066 • (866) 888-6655

WEATHER	Fog	Rain	Snow	Wind	Clear
None					
Light				X	
Moderate					
Heavy					

Non-Culturable	Culturable
Spore Trap	BioCassette™, Andersen, SA
Swab	Water, Bulk, Dust, Soil, Con
Bulk	



000806656

PCR (please specify test)	
Ashes Analysis - PLM (EPA method 600/R-93-116)	
Asbestos Analysis - PCM Airborne Fiber Count (NIOSH 7400)	
QuantTray - Sewage Screen	
MFN Bacteria (Please specify organism)	
Membrane Filtration (Please specify organism)	
Total Coliform, E.coli (Presence/Absence)	
Legionella culture	
Green 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	
Direct Microscopic Exam (Qualitative)	X
Spore Trap Analysis - Other particles	X
Fungi - Spore Trap Analysis	X

Sample ID	Sample Type	Time	Notes
2372-718-MCW-716	Water HTR Rm	SD	
2372-718-MCW-717	Water HTR Rm	SD	
2372-718-MDH-718	Water HTR Rm	SD	
2372-718-MCW-719	Water HTR Rm	SD	
2372-718-MCW-720	Water HTR Rm	SD	
2372-718-MCW-721	Water HTR Rm	SD	
2372-718-MCW-722	Water HTR Rm	SD	
2372-718-MCW-723	Water HTR Rm	SD	
2372-718-MFS-721	Stain GD ac @ fire sprinkler	SD	

CONTACT INFORMATION

Company: Croix Davis, LLC
 Address: 3005 Mt Diablo Blvd, Ste 210 Lafayette, CA 94549
 Contact: S. Corpuz; T. Ice; A. Stenbach
 Phone: 925-299-1140

PROJECT INFORMATION

Project ID: DGS-BOE
 Project Desc: M Floor Piping
 Project: Sampling
 Date & Time: 7/18/11
 Zip Code:
 PO Number: 2372-02-572

STANDARDIZATION

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

TURN AROUND TIME

1-2 Business Days
 3-5 Business Days
 7-10 Business Days
 14-21 Business Days
 28-35 Business Days
 42-60 Business Days
 90-120 Business Days
 180-360 Business Days
 Other (Specify):

ANALYSIS

None
 Light
 Moderate
 Heavy

BC - BioCassette	
A15 - Andersen	
SAS - Surface Air Sampler	
CP - Contact Plate	

ST - Spore Trap; Zefon, Allergenco, Burkard...	
P - Potable Water	
NP - Non-Potable Water	

T - Tape	D - Dust
SW - Swab	SO - Soil
B - Bulk	
O - Other:	

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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; M Floor Piping
EML ID: 806655

Approved by:



Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 07-19-2011

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 correction of results is not applied. The results relate only to the items tested.

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

Document Number: 200091 - Revision Number: 5

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

Date of Sampling: 07-18-2011
 Date of Receipt: 07-18-2011
 Date of Report: 07-19-2011

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‡: 3574315-1: Tape sample 2372-718-MCW-T16: Water Htr Rm Cold H2O				
Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 3574316-1: Tape sample 2372-718-MCW-T17: Water Htr Rm Cold H2O				
Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 3574317-1: Tape sample 2372-718-MDH-T18: Water Htr Rm Dom Hot				
Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 3574318-1: Tape sample 2372-718-MCW-T19: Water Htr Rm Cold H2O				
Heavy	Few	3+ <i>Stachybotrys</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 3574319-1: Tape sample 2372-718-MCW-T20: Water Htr Rm CH3				
Moderate	Very few	4+ <i>Stachybotrys</i> species (spores, conidiophores)	None	Mold growth
Lab ID-Version: 3574320-1: Tape sample 2372-718-MCW-T21: Water Htr Rm CH3				
Moderate	Very few	3+ <i>Cladosporium</i> species (spores, hyphae, conidiophores) 1+ Colorless spores typical of <i>Penicillium/Aspergillus</i> (spores, hyphae) < 1+ <i>Alternaria</i> species (spores, hyphae)	None	Mold growth
Lab ID-Version: 3574321-1: Tape sample 2372-718-MCW-T22: Water Htr Rm CH3				
Heavy	Very few	4+ <i>Gliomastix</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‡: 3574322-1: Tape sample 2372-718-MCW-T23: Water Htr Rm CH3				
Moderate	Very few	3+ <i>Stachybotrys</i> species (spores, hyphae, conidiophores)	None	Mold growth

* Indicative of normal conditions, i.e. seen on surfaces everywhere. Includes basidiospores (mushroom spores), myxomycetes, plant pathogens such as ascospores, rusts and smuts, and a mix of saprophytic genera with no particular spore type predominating. Distribution of spore types seen mirrors that usually seen outdoors.

† Quantities of molds seen growing are listed in the MOLD GROWTH column and are graded 1+ to 4+, with 4+ denoting the highest numbers.

†† Some comments may refer to the following: Most surfaces collect a mix of spores which are normally present in the outdoor environment. At times it is possible to note a skewing of the distribution of spore types, and also to note "marker" genera which may indicate indoor mold growth. Marker genera are those spore types which are present normally in very small numbers, but which multiply indoors when conditions are favorable for growth.

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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; M Floor Chiller 3
EML ID: 807093

Approved by:



Lab Manager
Malcolm Moody

Dates of Analysis:

Spore trap analysis: 07-19-2011

Service SOPs: Spore trap analysis (1038)

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

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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; M Floor Chiller 3

Date of Sampling: 07-19-2011
 Date of Receipt: 07-19-2011
 Date of Report: 07-19-2011

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	2372-719-MC3A01: M Ambient NE		2372-719-MC3A02: CH3 Containment		2372-719-MC3A03: Exterior NE		2372-719-MC3A04: Exterior SW	
Comments (see below)	A		A		A		A	
Lab ID-Version‡:	3576251-1		3576252-1		3576253-1		3576254-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	10	130					5	67
Arthrinium								
Ascospores*	2	110					1	53
Aureobasidium								
Basidiospores*	2	110					3	160
Bipolaris/Drechslera group								
Botrytis								
Chaetomium					1	13		
Cladosporium	13	690			2	110	13	690
Curvularia	2	27						
Epicoccum			1	13				
Fusarium								
Nigrospora								
Oidium							1	13
Other brown	2	27					2	27
Penicillium/Aspergillus types†							1	53
Pithomyces	1	13						
Rusts*								
Smuts*, Periconia, Myxomycetes*	8	110			8	110	5	67
Stachybotrys								
Stemphylium								
Torula	3	40					3	40
Ulocladium								
Background debris (1-4+)††	2+		3+		2+		3+	
Hyphal fragments/m3	110		40		13		80	
Pollen/m3	27		< 13		< 13		< 13	
Skin cells (1-4+)	1+		2+		1+		1+	
Sample volume (liters)	75		75		75		75	
§ TOTAL SPORES/m3		1,300		13		230		1,200

Comments: A) 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.

For more information regarding analytical sensitivity, please contact QA by calling the laboratory.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

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

Client: LaCroix Davis, LLC
 C/O: Mr. Chris Corpuz, Mr. Ted Ice, Mr. Ashley
 McKinley, Ms. Andrea Steinbach
 Re: DGS-BOE; M Floor Chiller 3

Date of Sampling: 07-19-2011
 Date of Receipt: 07-19-2011
 Date of Report: 07-19-2011

MoldRANGE™: Extended Outdoor Comparison
Outdoor Location: 2372-719-MC3A03, Exterior NE

Fungi Identified	Outdoor data	Typical Outdoor Data by Date†				Typical Outdoor Data by Location‡			
		Month: July				State: CA			
	spores/m3	low	med	high	freq %	low	med	high	freq %
Generally able to grow indoors*									
Alternaria	-	7	40	530	65	7	27	210	51
Bipolaris/Drechslera group	-	7	13	290	22	7	13	130	12
Chaetomium	13	7	13	120	13	7	13	120	19
Cladosporium	110	47	770	10,000	97	53	590	7,800	96
Curvularia	-	7	27	790	23	7	13	230	7
Nigrospora	-	7	13	200	16	7	13	200	9
Other brown	-	7	13	110	29	7	13	95	32
Penicillium/Aspergillus types	-	27	210	2,800	77	33	210	2,400	83
Stachybotrys	-	7	13	320	3	7	13	210	4
Torula	-	7	13	170	14	7	13	160	11
Seldom found growing indoors**									
Ascospores	-	13	280	6,900	85	13	110	2,100	69
Basidiospores	-	13	550	27,000	94	13	210	8,800	92
Oidium	-	7	13	250	18	7	13	200	18
Rusts	-	7	13	270	23	7	13	270	24
Smuts, Periconia, Myxomycetes	110	7	53	2,000	77	7	40	570	66
§ TOTAL SPORES/m3	230								

† 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; M Floor Chiller 3

Date of Sampling: 07-19-2011
 Date of Receipt: 07-19-2011
 Date of Report: 07-19-2011

MoldRANGE™: Extended Outdoor Comparison**Outdoor Location: 2372-719-MC3A04, Exterior SW**

Fungi Identified	Outdoor data	Typical Outdoor Data by Date†				Typical Outdoor Data by Location‡			
		Month: July				State: CA			
	spores/m3	low	med	high	freq %	low	med	high	freq %
Generally able to grow indoors*									
Alternaria	67	7	40	530	65	7	27	210	51
Bipolaris/Drechslera group	-	7	13	290	22	7	13	130	12
Chaetomium	-	7	13	120	13	7	13	120	19
Cladosporium	690	47	770	10,000	97	53	590	7,800	96
Curvularia	-	7	27	790	23	7	13	230	7
Nigrospora	-	7	13	200	16	7	13	200	9
Other brown	27	7	13	110	29	7	13	95	32
Penicillium/Aspergillus types	53	27	210	2,800	77	33	210	2,400	83
Stachybotrys	-	7	13	320	3	7	13	210	4
Torula	40	7	13	170	14	7	13	160	11
Seldom found growing indoors**									
Ascospores	53	13	280	6,900	85	13	110	2,100	69
Basidiospores	160	13	550	27,000	94	13	210	8,800	92
Oidium	13	7	13	250	18	7	13	200	18
Rusts	-	7	13	270	23	7	13	270	24
Smuts, Periconia, Myxomycetes	67	7	53	2,000	77	7	40	570	66
§ TOTAL SPORES/m3	1,200								

† 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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§ 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

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; M Floor Piping
EML ID: 807699

Approved by:



Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 07-20-2011

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 correction of results is not applied. The results relate only to the items tested.

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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, Ms. Andrea
 Steinbach
 Re: DGS-BOE; M Floor Piping

Date of Sampling: 07-19-2011
 Date of Receipt: 07-20-2011
 Date of Report: 07-20-2011

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‡: 3578990-1: Bulk sample 2372-719-MCB31: Stain Insulation CHS-SO				
Insulation	Very few	None	None	Normal trapping

* Indicative of normal conditions, i.e. seen on surfaces everywhere. Includes basidiospores (mushroom spores), myxomycetes, plant pathogens such as ascospores, rusts and smuts, and a mix of saprophytic genera with no particular spore type predominating. Distribution of spore types seen mirrors that usually seen outdoors.

† Quantities of molds seen growing are listed in the MOLD GROWTH column and are graded 1+ to 4+, with 4+ denoting the highest numbers.

†† Some comments may refer to the following: Most surfaces collect a mix of spores which are normally present in the outdoor environment. At times it is possible to note a skewing of the distribution of spore types, and also to note "marker" genera which may indicate indoor mold growth. Marker genera are those spore types which are present normally in very small numbers, but which multiply indoors when conditions are favorable for 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".



EMLab P&K

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; M Floor Chiller Room Expansion Tank Containment
EML ID: 809187

Approved by:

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

Lab Manager
Malcolm Moody

Dates of Analysis:

Spore trap analysis: 07-25-2011

Service SOPs: Spore trap analysis (1038)

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

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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; M Floor Chiller Room Expansion Tank Containment

Date of Sampling: 07-25-2011
 Date of Receipt: 07-25-2011
 Date of Report: 07-25-2011

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	2372-72511-A01: Exterior - SW Corner		2372-72511-A02: Chillier Room 1 & 2 Tank Riser		2372-72511-A03: Ambient Chiller Room 1 & 2	
Comments (see below)	A		A		A	
Lab ID-Version‡:	3585326-1		3585327-1		3585328-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria						
Arthrinium						
Ascospores*	1	53	1	53		
Basidiospores*	2	110	1	53	1	53
Bipolaris/Drechslera group						
Botrytis						
Chaetomium						
Cladosporium	1	53			2	110
Curvularia						
Epicoccum						
Myrothecium						
Nigrospora						
Penicillium/Aspergillus types†	2	110	1	53	1	53
Pithomyces						
Rusts*						
Smuts*, Periconia, Myxomycetes*			1	13	2	27
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Background debris (1-4+)††	2+		2+		2+	
Hyphal fragments/m3	< 13		27		13	
Pollen/m3	27		< 13		13	
Skin cells (1-4+)	1+		1+		2+	
Sample volume (liters)	75		75		75	
§ TOTAL SPORES/m3		320		170		240

Comments: A) Analysis of replicate sample is delayed. Secondary data review 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.

For more information regarding analytical sensitivity, please contact QA by calling the laboratory.

‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

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

Client: LaCroix Davis, LLC
 C/O: Mr. Chris Corpuz, Mr. Ted Ice, Ms. Andrea Steinbach
 Re: DGS-BOE; M Floor Chiller Room Expansion Tank Containment

Date of Sampling: 07-25-2011
 Date of Receipt: 07-25-2011
 Date of Report: 07-25-2011

MoldRANGE™: Extended Outdoor Comparison**Outdoor Location: 2372-72511-A01, Exterior - SW Corner**

Fungi Identified	Outdoor data	Typical Outdoor Data by Date†				Typical Outdoor Data by Location‡			
		Month: July				State: CA			
	spores/m3	low	med	high	freq %	low	med	high	freq %
Generally able to grow indoors*									
Alternaria	-	7	40	530	65	7	27	210	51
Bipolaris/Drechslera group	-	7	13	290	22	7	13	130	12
Chaetomium	-	7	13	120	13	7	13	120	19
Cladosporium	53	47	770	10,000	97	53	590	7,800	96
Curvularia	-	7	27	790	23	7	13	230	7
Nigrospora	-	7	13	200	16	7	13	200	9
Penicillium/Aspergillus types	110	27	210	2,800	77	33	210	2,400	83
Stachybotrys	-	7	13	320	3	7	13	210	4
Torula	-	7	13	170	14	7	13	160	11
Seldom found growing indoors**									
Ascospores	53	13	280	6,900	85	13	110	2,100	69
Basidiospores	110	13	550	27,000	94	13	210	8,800	92
Rusts	-	7	13	270	23	7	13	270	24
Smuts, Periconia, Myxomycetes	-	7	53	2,000	77	7	40	570	66
§ TOTAL SPORES/m3	320								

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

WEATHER			
Fog	Rain	Snow	Wind
None			
Light			
Moderate			
Heavy			

CONTACT INFORMATION

Company: LaCroix Davis LLC
 Address: 3685 Mt Diablo Blvd Ste 210
 Special Instructions: Lafayette CA 94519
 Contact: Ted Lee, Chris Corpuz
 Phone: (925) 719-5842
e-mail results to contacts

PROJECT INFORMATION

Project ID: 2372-02-572
 Project Desc: D65-BOE
 Project: Sampling
 Zip Code: 94511
 Date & Time: 7/25/11
 PO Number:

Sample ID	Description	Sample Type (Below)	Volume/Area (Above)	Notes (Time of day, Temp/Filt, etc)
372-72511-A01	Exterior - SW corner	SI	SD 75L	Chiller #2 Tank Room
372-72511-A02	Chiller Room #2 Tank Room	SI	SD 75L	1045
372-72511-A03	Ambicat Chiller Room #2	SI	SD 75L	

TURN AROUND TIME CODES (TAG)	TURN AROUND TIME CODES (TAG)
STD - Standard (DEFAULT)	SI - Spores received within 1 hr or on weekends - will be considered received the next business day
ND - Next Business Day	SI - Spores received within 1 hr or on weekends - will be considered received the next business day
SD - Same Business Day Rush	SI - Spores received within 1 hr or on weekends - will be considered received the next business day
WH - Weekend/Holiday	SI - Spores received within 1 hr or on weekends - will be considered received the next business day

SAMPLE TYPE CODES		REQUISITIONED BY		DATE & TIME	
BC - BioCassette™	ST - Spore Trap, Zefon	T - Tape	P - Dust		
A1S - Andersen	Allergenco, Burkard...	SW - Swab	SO - Soil		
SAS - Surface Air Sampler	P - Potable Water	B - Bulk			
CP - Contact Plate	NP - Non-Potable Water	O - Other:			

NON-CULTURABLE		CULTURABLE		OTHER REQUESTS	
Spore Trap Analysis - Other particles	Spore Trap Analysis - Other particles	1-Media Surface Fungi (Genus ID + Asp. spp.)	1-Media Surface Fungi (Genus ID + Asp. spp.)	Asbestos Analysis - PLM (EPA method 800/R-93-115)	PCR (please specify test)
Direct Microscopic Exam (Qualitative)	Quantitative Spore Count Direct Exam	2-Media Surface Fungi (Genus ID + Asp. spp.)	2-Media Surface Fungi (Genus ID + Asp. spp.)	Asbestos Analysis - PCM Airborne Fiber Count (NIOSH 7400)	
Fungi - Spore Trap Analysis		3-Media Surface Fungi (Genus ID + Asp. spp.)	3-Media Surface Fungi (Genus ID + Asp. spp.)	Membrane Filtration (Please specify organism)	
		Culturable Air Fungi (Genus ID + Asp. spp.)	Culturable Air Fungi (Genus ID + Asp. spp.)	Total Coliform, E.coli (Presence/Observe)	
		Gram Stain and Counts (Culturable Air and Surface Bacteria)	Legionella culture	MPN Bacteria (Please specify organism)	
				QuantTray - Sewage Screen	

REQUISITIONED BY: [Signature]
 DATE & TIME: 7/27/11
 OTHER REQUESTS: PHD



EMLab P&K

Report for:

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

Regarding: Project: DGS-BOE; M Floor Chiller Pump 1 & 2
EML ID: 809689

Approved by:



Lab Manager
Malcolm Moody

Dates of Analysis:

Spore trap analysis: 07-26-2011

Service SOPs: Spore trap analysis (1038)

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

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

Document Number: 200091 - Revision Number: 5

Client: LaCroix Davis, LLC
 C/O: Mr. Chris Corpuz, Mr. Ted Ice
 Re: DGS-BOE; M Floor Chiller Pump 1 & 2

Date of Sampling: 07-26-2011
 Date of Receipt: 07-26-2011
 Date of Report: 07-26-2011

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	2372-072611-A01: Exterior NE Corner	2372-072611-A02: Ambient A of Enclosure	2372-072611-A03: Chiller Pumps 1 & 2	2372-072611-A04: Exterior SW Corner				
Comments (see below)	A	A	A	A				
Lab ID-Version‡:	3587582-1	3587583-1	3587584-1	3587585-1				
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria			1	13				
Arthrinium								
Ascospores*							1	53
Aureobasidium								
Basidiospores*	1	53	4	210			6	320
Bipolaris/Drechslera group								
Botrytis								
Chaetomium	1	13	1	13				
Cladosporium	1	53	2	110	1	53	44	2,300
Curvularia								
Epicoccum								
Myrothecium								
Nigrospora			1	13				
Penicillium/Aspergillus types†	1	53	5	270			1	53
Pithomyces								
Rusts*			1	53			1	13
Smuts*, Periconia, Myxomycetes*	4	53	10	130			20	270
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	2+		3+		2+		3+	
Hyphal fragments/m3	40		93		27		240	
Pollen/m3	13		40		27		40	
Skin cells (1-4+)	< 1+		2+		1+		1+	
Sample volume (liters)	75		75		75		75	
§ TOTAL SPORES/m3		230		810		53		3,100

Comments: A) Analysis of replicate sample is delayed. Secondary data review 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.

For more information regarding analytical sensitivity, please contact QA by calling the laboratory.

‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

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

Client: LaCroix Davis, LLC
 C/O: Mr. Chris Corpuz, Mr. Ted Ice
 Re: DGS-BOE; M Floor Chiller Pump 1 & 2

Date of Sampling: 07-26-2011
 Date of Receipt: 07-26-2011
 Date of Report: 07-26-2011

MoldRANGE™: Extended Outdoor Comparison**Outdoor Location: 2372-072611-A01, Exterior NE Corner**

Fungi Identified	Outdoor data	Typical Outdoor Data by Date†				Typical Outdoor Data by Location‡			
		Month: July				State: CA			
	spores/m3	low	med	high	freq %	low	med	high	freq %
Generally able to grow indoors*									
Alternaria	-	7	40	530	65	7	27	210	51
Bipolaris/Drechslera group	-	7	13	290	22	7	13	130	12
Chaetomium	13	7	13	120	13	7	13	120	19
Cladosporium	53	47	770	10,000	97	53	590	7,800	96
Curvularia	-	7	27	790	23	7	13	230	7
Nigrospora	-	7	13	200	16	7	13	200	9
Penicillium/Aspergillus types	53	27	210	2,800	77	33	210	2,400	83
Stachybotrys	-	7	13	320	3	7	13	210	4
Torula	-	7	13	170	14	7	13	160	11
Seldom found growing indoors**									
Ascospores	-	13	280	6,900	85	13	110	2,100	69
Basidiospores	53	13	550	27,000	94	13	210	8,800	92
Rusts	-	7	13	270	23	7	13	270	24
Smuts, Periconia, Myxomycetes	53	7	53	2,000	77	7	40	570	66
§ TOTAL SPORES/m3	230								

† 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
 Re: DGS-BOE; M Floor Chiller Pump 1 & 2

Date of Sampling: 07-26-2011
 Date of Receipt: 07-26-2011
 Date of Report: 07-26-2011

MoldRANGE™: Extended Outdoor Comparison**Outdoor Location: 2372-072611-A04, Exterior SW Corner**

Fungi Identified	Outdoor data	Typical Outdoor Data by Date†				Typical Outdoor Data by Location‡			
		Month: July				State: CA			
	spores/m3	low	med	high	freq %	low	med	high	freq %
Generally able to grow indoors*									
Alternaria	-	7	40	530	65	7	27	210	51
Bipolaris/Drechslera group	-	7	13	290	22	7	13	130	12
Chaetomium	-	7	13	120	13	7	13	120	19
Cladosporium	2,300	47	770	10,000	97	53	590	7,800	96
Curvularia	-	7	27	790	23	7	13	230	7
Nigrospora	-	7	13	200	16	7	13	200	9
Penicillium/Aspergillus types	53	27	210	2,800	77	33	210	2,400	83
Stachybotrys	-	7	13	320	3	7	13	210	4
Torula	-	7	13	170	14	7	13	160	11
Seldom found growing indoors**									
Ascospores	53	13	280	6,900	85	13	110	2,100	69
Basidiospores	320	13	550	27,000	94	13	210	8,800	92
Rusts	13	7	13	270	23	7	13	270	24
Smuts, Periconia, Myxomycetes	270	7	53	2,000	77	7	40	570	66
§ TOTAL SPORES/m3	3,100								

† 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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Phoenix, AZ: 1501 West Krauss Drive, Phoenix, AZ 85027 * (800) 651-4802
San Bruno, CA: 1150 Bayhill Drive, #100, San Bruno, CA 94066 * (866) 888-6553

Company: LaCroix Davis LLC

Contact: Ted Lee; Chris Corpuz

Phone: (925) 719-5842

Address: 3685 Mt. Diablo Blvd, Lafayette CA 94549

Special Instructions: e-mail results to contacts

TURN AROUND TIME CODE: (TAN)

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

Project ID: DG S- BOE
Project Desc.: M Floor Chiller Pump
Project: Sampling
Zip Code: 94541
Date & Time: 7/26/11 14:21
PO Number: 2372.0210-572

Sample ID	Sample Type (Below)	Time (Above)	Volume/Flow (as applicable)	Notes
372-072611-A01	ST	SD	75L	
372-072611-A02	ST	SD	75L	
372-072611-A03	ST	SD	75L	
372-072611-A04	ST	SD	75L	

BC - BioCassette™	T - Tape	D - Duct
AT5 - Andersen	SW - Swab	SO - Soil
SAS - Surface Air Sampler	B - Bulk	
CP - Contact Plate	NP - Non-Potable Water	O - Other:

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

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

None	Fog	Rain	Snow	Wind	Clear
<input type="checkbox"/>	<input checked="" type="checkbox"/>				
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					

CHAIN OF CUSTODY

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

000809689





EMLab P&K

Report for:

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

Regarding: Project: DGS-BOE; M Floor Chiller Pump 1
EML ID: 810135

Approved by:



Lab Manager
Malcolm Moody

Dates of Analysis:

Spore trap analysis: 07-27-2011

Service SOPs: Spore trap analysis (1038)

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

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

Document Number: 200091 - Revision Number: 5

Client: LaCroix Davis, LLC
 C/O: Mr. Chris Corpuz, Mr. Stephen Davis, Mr.
 Mark
 Fragoso, Mr. Ted Ice
 Re: DGS-BOE; M Floor Chiller Pump 1

Date of Sampling: 07-27-2011
 Date of Receipt: 07-27-2011
 Date of Report: 07-27-2011

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	2372-727-MA01: Exterior NE-M		2372-727-MA02: M Chiller Rm Ambient		2372-727-MA03: M CH Pump 1 Containment		2372-727-MA04: Exterior SW - Street	
Comments (see below)	A		A		A		A	
Lab ID-Version‡:	3589706-1		3589707-1		3589708-1		3589709-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria							4	53
Arthrinium								
Ascospores*							2	110
Basidiospores*	1	53	1	53			13	690
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium			3	160			32	1,700
Curvularia								
Epicoccum								
Myrothecium								
Nigrospora								
Penicillium/Aspergillus types†							2	110
Pithomyces								
Rusts*								
Smuts*, Periconia, Myxomycetes*	1	13	2	27	1	13	15	200
Stachybotrys								
Stemphylium								
Torula							2	27
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	2+		3+		2+		3+	
Hyphal fragments/m3	< 13		40		40		120	
Pollen/m3	< 13		< 13		< 13		13	
Skin cells (1-4+)	1+		2+		2+		2+	
Sample volume (liters)	75		75		75		75	
§ TOTAL SPORES/m3		67		240		13		2,900

Comments: A) Analysis of replicate sample is delayed. Secondary data review 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.

For more information regarding analytical sensitivity, please contact QA by calling the laboratory.

‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

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

Client: LaCroix Davis, LLC
 C/O: Mr. Chris Corpuz, Mr. Stephen Davis, Mr.
 Mark
 Fragoso, Mr. Ted Ice
 Re: DGS-BOE; M Floor Chiller Pump 1

Date of Sampling: 07-27-2011
 Date of Receipt: 07-27-2011
 Date of Report: 07-27-2011

MoldRANGE™: Extended Outdoor Comparison
Outdoor Location: 2372-727-MA01, Exterior NE-M

Fungi Identified	Outdoor data	Typical Outdoor Data by Date†				Typical Outdoor Data by Location‡			
		Month: July				State: CA			
	spores/m3	low	med	high	freq %	low	med	high	freq %
Generally able to grow indoors*									
Alternaria	-	7	40	530	65	7	27	210	51
Bipolaris/Drechslera group	-	7	13	290	22	7	13	130	12
Chaetomium	-	7	13	120	13	7	13	120	19
Cladosporium	-	47	770	10,000	97	53	590	7,800	96
Curvularia	-	7	27	790	23	7	13	230	7
Nigrospora	-	7	13	200	16	7	13	200	9
Penicillium/Aspergillus types	-	27	210	2,800	77	33	210	2,400	83
Stachybotrys	-	7	13	320	3	7	13	210	4
Torula	-	7	13	170	14	7	13	160	11
Seldom found growing indoors**									
Ascospores	-	13	280	6,900	85	13	110	2,100	69
Basidiospores	53	13	550	27,000	94	13	210	8,800	92
Rusts	-	7	13	270	23	7	13	270	24
Smuts, Periconia, Myxomycetes	13	7	53	2,000	77	7	40	570	66
§ TOTAL SPORES/m3	67								

† 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. Stephen Davis, Mr.
 Mark
 Fragoso, Mr. Ted Ice
 Re: DGS-BOE; M Floor Chiller Pump 1

Date of Sampling: 07-27-2011
 Date of Receipt: 07-27-2011
 Date of Report: 07-27-2011

MoldRANGE™: Extended Outdoor Comparison**Outdoor Location: 2372-727-MA04, Exterior SW - Street**

Fungi Identified	Outdoor data	Typical Outdoor Data by Date†				Typical Outdoor Data by Location‡			
		Month: July				State: CA			
	spores/m3	low	med	high	freq %	low	med	high	freq %
Generally able to grow indoors*									
Alternaria	53	7	40	530	65	7	27	210	51
Bipolaris/Drechslera group	-	7	13	290	22	7	13	130	12
Chaetomium	-	7	13	120	13	7	13	120	19
Cladosporium	1,700	47	770	10,000	97	53	590	7,800	96
Curvularia	-	7	27	790	23	7	13	230	7
Nigrospora	-	7	13	200	16	7	13	200	9
Penicillium/Aspergillus types	110	27	210	2,800	77	33	210	2,400	83
Stachybotrys	-	7	13	320	3	7	13	210	4
Torula	27	7	13	170	14	7	13	160	11
Seldom found growing indoors**									
Ascospores	110	13	280	6,900	85	13	110	2,100	69
Basidiospores	690	13	550	27,000	94	13	210	8,800	92
Rusts	-	7	13	270	23	7	13	270	24
Smuts, Periconia, Myxomycetes	200	7	53	2,000	77	7	40	570	66
§ TOTAL SPORES/m3	2,900								

† 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.

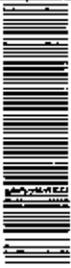
‡ The Typical Outdoor Data by Location represents the typical outdoor spore levels for the region indicated for the entire year. As with the Typical Outdoor Data by Date, the four columns represent the frequency of occurrence and the typical low, medium, and high concentration values for the spore type 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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 San Bruno, CA: 1150 Bayhill Drive, #100, San Bruno, CA 94066 • (866) 888-6653

WEATHER			
Moist	Fog	Rain	Snow
Light			
Moderate			
Heavy			

CONTACT INFORMATION
 Company: **LA CROIX DAVIS, LLC**
 Address: **1625 Creekside Drive**
Folsom, CA
 Contact: **J. LaCroix; M. Frago; T. Ica; C. Compagno; S. Davis**
 Phone: **925-299-1140**
email: contacts@jkonito3@yahoo.com

PROJECT INFORMATION
 Project ID: **DGS-BOE**
 Project Desc: **M Floor Chiller Pump 1**
 Project: **7/27/11**
 Zip Code: **2972-02-572**
 PO Number: **2972-02-572**

Sample ID	Sample Type (Below)	Sample Size (Below)	Total Volume/Area (at applicable)	Notes
2372-727-MA01	Exterior	NE-M	ST WH 75	
2372-727-MA02	M-Chiller Room	Ambient	ST WH 75	
2372-727-MA03	M-Chiller Pump	Contaminant	ST IPH 75	
2372-727-MA04	Exterior	SW-Street	ST WH 75	

SAMPLE TYPE CODES		DATE & TIME
ST - Spore Trap; Zelon, Allergenco, Burkard...	T - Tape	7/27/11 10:4
P - Potable Water	SW - Swab	
NP - Non-Potable Water	D - Dust	
	SO - Soil	
	B - Bulk	
	O - Other:	

REQUESTED SERVICES
 Culturable

Non-Culturable	Culturable
Spore Trap	Other Requests
Spore Trap Analysis - Other particles	Asbestos Analysis - PCM (BPA method 800/R-93-116)
Spore Trap Analysis - Qualitative	Asbestos Analysis - PCM Airborne Fiber Count (NIOSH 7400)
Direct Microscopic Exam (Qualitative)	Quantitative Spore Count Direct Exam
Quantitative Spore Count Direct Exam	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)
	Legionella culture
	Total Coliform, E.coli (Presence/Absence)
	Membrane Filtration (Please specify organism)
	MPN Bacteria (Please specify organism)
	QuantTray - Sewage Screen

RECEIVED BY

DATE & TIME
 7/27/11 10:4

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EMLab P&K

Report for:

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

Regarding: Project: DGS-BOE; M Floor - Chiller Room 1 and 2
EML ID: 811226

Approved by:



Lab Manager
Malcolm Moody

Dates of Analysis:

Spore trap analysis: 07-29-2011

Service SOPs: Spore trap analysis (1038)

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

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Document Number: 200091 - Revision Number: 5

Client: LaCroix Davis, LLC
 C/O: Mr. Chris Corpuz, Mr. Ted Ice
 Re: DGS-BOE; M Floor - Chiller Room 1 and 2

Date of Sampling: 07-29-2011
 Date of Receipt: 07-29-2011
 Date of Report: 07-29-2011

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	2372-072911-A01: Exterior M Floor NE	2372-072911-A02: Ambient Containment Door	2372-072911-A03: Chiller 3 Return Pipe	2372-072911-A04: Exterior Gnd. Level SW	2372-072911-A05: Exhaust Fan 1 Chiller 3 Supply Pipe	
Comments (see below)	A	A	A	A	A	
Lab ID-Version‡:	3594779-1	3594780-1	3594781-1	3594782-1	3594783-1	
	raw ct. spores/m3	raw ct. spores/m3	raw ct. spores/m3	raw ct. spores/m3	raw ct. spores/m3	
Alternaria		2 27		5 67		
Arthrinium						
Ascospores*		1 53		5 230		
Aureobasidium						
Basidiospores*	1 53	1 53				
Bipolaris/Drechslera group						
Chaetomium						
Cladosporium			1 53	10 530		
Curvularia						
Epicoccum						
Fusarium						
Nigrospora						
Oidium				1 13		
Other brown				1 53		
Penicillium/Aspergillus types†	6 320			33 1,800		
Pithomyces		1 13				
Rusts*						
Smuts*, Periconia, Myxomycetes*	1 13	1 13		3 40		
Stachybotrys		1 13				
Torula				4 53		
Ulocladium				1 13		
Background debris (1-4+)††	1+	2+	2+	2+	2+	
Hyphal fragments/m3	< 13	40	< 13	80	< 13	
Pollen/m3	< 13	13	< 13	27	< 13	
Skin cells (1-4+)	1+	2+	1+	1+	< 1+	
Sample volume (liters)	75	75	75	75	75	
§ TOTAL SPORES/m3		390	170	53	2,800	< 13

Comments: A) Analysis of replicate sample is delayed. Secondary data review 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.

For more information regarding analytical sensitivity, please contact QA by calling the laboratory.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

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

Client: LaCroix Davis, LLC
 C/O: Mr. Chris Corpuz, Mr. Ted Ice
 Re: DGS-BOE; M Floor - Chiller Room 1 and 2

Date of Sampling: 07-29-2011
 Date of Receipt: 07-29-2011
 Date of Report: 07-29-2011

MoldRANGE™: Extended Outdoor Comparison**Outdoor Location: 2372-072911-A01, Exterior M Floor NE**

Fungi Identified	Outdoor data	Typical Outdoor Data by Date†				Typical Outdoor Data by Location‡			
		Month: July				State: CA			
	spores/m3	low	med	high	freq %	low	med	high	freq %
Generally able to grow indoors*									
Alternaria	-	7	40	530	65	7	27	210	51
Bipolaris/Drechslera group	-	7	13	290	22	7	13	130	12
Chaetomium	-	7	13	120	13	7	13	120	19
Cladosporium	-	47	770	10,000	97	53	590	7,800	96
Curvularia	-	7	27	790	23	7	13	230	7
Nigrospora	-	7	13	200	16	7	13	200	9
Other brown	-	7	13	110	29	7	13	95	32
Penicillium/Aspergillus types	320	27	210	2,800	77	33	210	2,400	83
Stachybotrys	-	7	13	320	3	7	13	210	4
Torula	-	7	13	170	14	7	13	160	11
Ulocladium	-	7	13	75	6	7	13	80	11
Seldom found growing indoors**									
Ascospores	-	13	280	6,900	85	13	110	2,100	69
Basidiospores	53	13	550	27,000	94	13	210	8,800	92
Oidium	-	7	13	250	18	7	13	200	18
Rusts	-	7	13	270	23	7	13	270	24
Smuts, Periconia, Myxomycetes	13	7	53	2,000	77	7	40	570	66
§ TOTAL SPORES/m3	390								

† 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
 Re: DGS-BOE; M Floor - Chiller Room 1 and 2

Date of Sampling: 07-29-2011
 Date of Receipt: 07-29-2011
 Date of Report: 07-29-2011

MoldRANGE™: Extended Outdoor Comparison**Outdoor Location: 2372-072911-A04, Exterior Gnd. Level SW**

Fungi Identified	Outdoor data	Typical Outdoor Data by Date†				Typical Outdoor Data by Location‡			
		Month: July				State: CA			
	spores/m3	low	med	high	freq %	low	med	high	freq %
Generally able to grow indoors*									
Alternaria	67	7	40	530	65	7	27	210	51
Bipolaris/Drechslera group	-	7	13	290	22	7	13	130	12
Chaetomium	-	7	13	120	13	7	13	120	19
Cladosporium	530	47	770	10,000	97	53	590	7,800	96
Curvularia	-	7	27	790	23	7	13	230	7
Nigrospora	-	7	13	200	16	7	13	200	9
Other brown	53	7	13	110	29	7	13	95	32
Penicillium/Aspergillus types	1,800	27	210	2,800	77	33	210	2,400	83
Stachybotrys	-	7	13	320	3	7	13	210	4
Torula	53	7	13	170	14	7	13	160	11
Ulocladium	13	7	13	75	6	7	13	80	11
Seldom found growing indoors**									
Ascospores	230	13	280	6,900	85	13	110	2,100	69
Basidiospores	-	13	550	27,000	94	13	210	8,800	92
Oidium	13	7	13	250	18	7	13	200	18
Rusts	-	7	13	270	23	7	13	270	24
Smuts, Periconia, Myxomycetes	40	7	53	2,000	77	7	40	570	66
§ TOTAL SPORES/m3	2,800								

† 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.



EMLab P&K

Report for:

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

Regarding: Project: DGS-BOE; HVAC Ductwork
EML ID: 811899

Approved by:



Lab Manager
Malcolm Moody

REVISED REPORT

Dates of Analysis:
Direct microscopic exam (Qualitative): 01-24-2012

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 correction of results is not applied. The results relate only to the items tested.

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

Document Number: 200091 - Revision Number: 5

Client: LaCroix Davis, LLC
 C/O: Mr. Chris Corpuz, Mr. Ted Ice, Mr. Ashley
 McKinley
 Re: DGS-BOE; HVAC Ductwork

Date of Sampling: 07-29-2011
 Date of Receipt: 08-01-2011
 Date of Report: 08-02-2011

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‡: 3598917-2: Tape sample 2372-072911-T01: SF3 access door 3				
Moderate	Very few	3+ <i>Cladosporium</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 3598918-2: Tape sample 2372-072911-T02: SF4 access door 3				
Heavy	Very few	2+ <i>Cladosporium</i> species (spores, hyphae, conidiophores) < 1+ <i>Alternaria</i> species (spores, conidiophores)	None	Mold growth
Lab ID-Version: 3598919-2: Tape sample 2372-072911-T03: SF3/4 access door 4				
Moderate	Very few	3+ <i>Cladosporium</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 3598920-2: Tape sample 2372-072911-15-T04: Floor 15 SW				
Very Heavy	Very few	< 1+ <i>Cladosporium</i> species (spores, hyphae)	None	Minimal mold growth
Lab ID-Version: 3598921-2: Tape sample 2372-072911-15-T05: Floor 15 NE				
Very Heavy	Very few	2+ <i>Cladosporium</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 3598922-2: Tape sample 2372-072911-24-T06: Floor 24 SW				
Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3598923-2: Tape sample 2372-072911-24-T07: Floor 24 NE				
Very Heavy	Very few	< 1+ <i>Cladosporium</i> species (spores, hyphae)	None	Minimal mold growth
Lab ID-Version: 3598924-2: Tape sample 2372-072911-22-T08: Floor 22 SW				
Heavy	Very few	1+ <i>Cladosporium</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 3598925-2: Tape sample 2372-072911-22-T09: Floor 22 NE				
Heavy	Very few	2+ <i>Cladosporium</i> species (spores, hyphae)	None	Mold growth
Lab ID-Version: 3598926-2: Tape sample 2372-072911-21-T10: Floor 21 SW				
Heavy	Very few	4+ <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‡: 3598927-2: Tape sample 2372-072911-21-T11: Floor 21 NE				
Moderate	Very few	2+ <i>Cladosporium</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 3598928-2: Tape sample 2372-072911-20-T12: Floor 20 SW				
Heavy	Variety	3+ <i>Cladosporium</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 3598929-2: Tape sample 2372-072911-20-T13: Floor 20 NE				
Moderate	Few	4+ <i>Cladosporium</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 3598930-2: Tape sample 2372-072911-23-T14: Floor 23 SW				
Moderate	Very few	1+ <i>Cladosporium</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 3598931-2: Tape sample 2372-072911-23-T15: Floor 23 NE				
Moderate	Very few	2+ <i>Cladosporium</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 3598932-2: Tape sample 2372-072911-19-T16: Floor 19 SW				
Moderate	Very few	2+ <i>Cladosporium</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 3598933-2: Tape sample 2372-072911-19T17: Floor 19 NE				
Moderate	Very few	2+ <i>Cladosporium</i> species (spores, hyphae, conidiophores)	None	Mold growth

* Indicative of normal conditions, i.e. seen on surfaces everywhere. Includes basidiospores (mushroom spores), myxomycetes, plant pathogens such as ascospores, rusts and smuts, and a mix of saprophytic genera with no particular spore type predominating. Distribution of spore types seen mirrors that usually seen outdoors.

† Quantities of molds seen growing are listed in the MOLD GROWTH column and are graded 1+ to 4+, with 4+ denoting the highest numbers.

†† Some comments may refer to the following: Most surfaces collect a mix of spores which are normally present in the outdoor environment. At times it is possible to note a skewing of the distribution of spore types, and also to note "marker" genera which may indicate indoor mold growth. Marker genera are those spore types which are present normally in very small numbers, but which multiply indoors when conditions are favorable for 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
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

None	Fog	Rain	Snow	Wind	Clear
Light					
Moderate					
Heavy					



000811899

BioCassette™ Andersen,
Water, Bulk, Duct, Soil, C

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

CONTACT INFORMATION

Company: **LaGroux Davis, DAC**
 Address: **3685 Mt. C. Corpuz i T. Ice i A. Stembach**
 Phone: **925-299-1140**
 Project ID: **DGS-BOE**
 Project Desc: **HVAC Ductwork**
 Sampling Date & Time: **7/29/11 PM**
 Zip Code: **2372.02-572**
 PO Number: **2372.02-572**

STANDARD INFORMATION

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

email contacts

ID	Sample Location	Sample Type	Volume (L)	Notes
2372-072911-20T13	Floor 20 NE	T SD		at fire drumper after
"	Floor 23 SW	T SD		"
"	Floor 23 NE	T SD		"
"	Floor 19 SW	T SD		"
"	Floor 19 NE	T SD		"

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

Thermostat

9/21/11 9:45

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



EMLab P&K

Report for:

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

Regarding: Project: DGS-BOE; Chiller 3 Exh. Fan 1 / N. Boiler
EML ID: 811516

Approved by:



Lab Manager
Malcolm Moody

REVISED REPORT

Dates of Analysis:
Spore trap analysis: 08-05-2011

Service SOPs: Spore trap analysis (1038)

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

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

Document Number: 200091 - Revision Number: 5

Client: LaCroix Davis, LLC
 C/O: Mr. Chris Corpuz, Mr. Ted Ice
 Re: DGS-BOE; Chiller 3 Exh. Fan 1 / N. Boiler

Date of Sampling: 07-30-2011
 Date of Receipt: 07-30-2011
 Date of Report: 07-30-2011

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	2372-072011-A01: Exterior NE M Floor		2372-072011-A02: Ambient M Floor		2372-072011-A03: Chiller 3; Exhaust Fan1	
Comments (see below)	None		None		None	
Lab ID-Version‡:	3596082-2		3596083-2		3596084-2	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria			1	13		
Arthrinium						
Ascospores*						
Aureobasidium						
Basidiospores*					1	53
Bipolaris/Drechslera group						
Botrytis						
Chaetomium			3	40		
Cladosporium	2	110	7	370	1	53
Curvularia						
Epicoccum						
Fusarium						
Nigrospora						
Other brown						
Penicillium/Aspergillus types†						
Pithomyces						
Rusts*						
Smuts*, Periconia, Myxomycetes*	1	13	2	27		
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Background debris (1-4+)††	1+		2+		2+	
Hyphal fragments/m3	40		120		40	
Pollen/m3	< 13		40		< 13	
Skin cells (1-4+)	1+		1+		1+	
Sample volume (liters)	75		75		75	
§ TOTAL SPORES/m3		120		450		110

Comments:

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample.

* Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi.

† Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.

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

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

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

For more information regarding analytical sensitivity, please contact QA by calling the laboratory.

‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

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

Client: LaCroix Davis, LLC
 C/O: Mr. Chris Corpuz, Mr. Ted Ice
 Re: DGS-BOE; Chiller 3 Exh. Fan 1 / N. Boiler

Date of Sampling: 07-30-2011
 Date of Receipt: 07-30-2011
 Date of Report: 07-30-2011

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	2372-072011-A04: Ambient Penthouse		2372-072011-A05: Boiler Room - M. Contain.		2372-072011-A06: Exterior SW Roof	
Comments (see below)	None		None		None	
Lab ID-Version‡:	3596085-2		3596086-2		3596087-2	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	1	13	1	13	4	53
Arthrinium						
Ascospores*	1	53			1	53
Aureobasidium						
Basidiospores*	1	53	1	53	2	110
Bipolaris/Drechslera group						
Botrytis						
Chaetomium					1	13
Cladosporium			1	53	5	270
Curvularia						
Epicoccum						
Fusarium						
Nigrospora						
Other brown	1	13	1	13		
Penicillium/Aspergillus types†	1	53	1	53	1	53
Pithomyces						
Rusts*					4	53
Smuts*, Periconia, Myxomycetes*	3	40	1	13	4	53
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Background debris (1-4+)††	3+		3+		3+	
Hyphal fragments/m3	< 13		40		53	
Pollen/m3	110		27		13	
Skin cells (1-4+)	1+		1+		1+	
Sample volume (liters)	75		75		75	
§ TOTAL SPORES/m3		230		200		650

Comments:

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample.

* Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi.

† Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.

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

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

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

For more information regarding analytical sensitivity, please contact QA by calling the laboratory.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

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

Client: LaCroix Davis, LLC
 C/O: Mr. Chris Corpuz, Mr. Ted Ice
 Re: DGS-BOE; Chiller 3 Exh. Fan 1 / N. Boiler

Date of Sampling: 07-30-2011
 Date of Receipt: 07-30-2011
 Date of Report: 07-30-2011

MoldRANGE™: Extended Outdoor Comparison**Outdoor Location: 2372-072011-A01, Exterior NE M Floor**

Fungi Identified	Outdoor data	Typical Outdoor Data by Date†				Typical Outdoor Data by Location‡			
		Month: July				State: CA			
	spores/m3	low	med	high	freq %	low	med	high	freq %
Generally able to grow indoors*									
Alternaria	-	7	40	530	65	7	27	210	51
Bipolaris/Drechslera group	-	7	13	290	22	7	13	130	12
Chaetomium	-	7	13	120	13	7	13	120	19
Cladosporium	110	47	770	10,000	97	53	590	7,800	96
Curvularia	-	7	27	790	23	7	13	230	7
Nigrospora	-	7	13	200	16	7	13	200	9
Penicillium/Aspergillus types	-	27	210	2,800	77	33	210	2,400	83
Stachybotrys	-	7	13	320	3	7	13	210	4
Torula	-	7	13	170	14	7	13	160	11
Seldom found growing indoors**									
Ascospores	-	13	280	6,900	85	13	110	2,100	69
Basidiospores	-	13	550	27,000	94	13	210	8,800	92
Rusts	-	7	13	270	23	7	13	270	24
Smuts, Periconia, Myxomycetes	13	7	53	2,000	77	7	40	570	66
§ TOTAL SPORES/m3	120								

† 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
 Re: DGS-BOE; Chiller 3 Exh. Fan 1 / N. Boiler

Date of Sampling: 07-30-2011
 Date of Receipt: 07-30-2011
 Date of Report: 07-30-2011

MoldRANGE™: Extended Outdoor Comparison**Outdoor Location: 2372-072011-A06, Exterior SW Roof**

Fungi Identified	Outdoor data	Typical Outdoor Data by Date†				Typical Outdoor Data by Location‡			
		Month: July				State: CA			
	spores/m3	low	med	high	freq %	low	med	high	freq %
Generally able to grow indoors*									
Alternaria	53	7	40	530	65	7	27	210	51
Bipolaris/Drechslera group	-	7	13	290	22	7	13	130	12
Chaetomium	13	7	13	120	13	7	13	120	19
Cladosporium	270	47	770	10,000	97	53	590	7,800	96
Curvularia	-	7	27	790	23	7	13	230	7
Nigrospora	-	7	13	200	16	7	13	200	9
Penicillium/Aspergillus types	53	27	210	2,800	77	33	210	2,400	83
Stachybotrys	-	7	13	320	3	7	13	210	4
Torula	-	7	13	170	14	7	13	160	11
Seldom found growing indoors**									
Ascospores	53	13	280	6,900	85	13	110	2,100	69
Basidiospores	110	13	550	27,000	94	13	210	8,800	92
Rusts	53	7	13	270	23	7	13	270	24
Smuts, Periconia, Myxomycetes	53	7	53	2,000	77	7	40	570	66
§ TOTAL SPORES/m3	650								

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

Company: LaCroix Davis LLC
 Address: 3685 Mt Diablo Blvd. Ste. 210, Lafayette
 Contact: J. Lee C. Coppez
 Phone: (925) 719-5842

Special Instructions:
e-mail results to contacts

Project ID: D65-BOE
 Project Desc.: Chiller 3 Exh. Fan / Boiler
 Project: Sampling
 Zip Code: 94501
 PO Number: 2372.02-572

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

Sample ID	Location	Sample Type	Volume/Amount	Notes
72-073011-A01	Exterior NE M Floor	ST	SD 75L	
72-073011-A02	Ambient M Floor	ST	SD 75L	
72-073011-A03	Chiller 3 Exhaust Fan 1	ST	SD 75L	Supply Pipe
72-073011-A04	Ambient Penthouse	ST	SD 75L	
72-073011-A05	Boiler Room - N. Contain.	ST	SD 75L	Penthouse
72-073011-A06	Exterior SW Roof	ST	SD 75L	
72-073011-A07	T-Boiler	T	SD	

Sample Type Code	Sample Type	Volume/Amount	Notes
BC - BioCassette	ST - Spore Trap; Zefon, Allergenco, Burkard...	D - Dust	
ATIS - Andersen	SW - Swab	SO - Soil	
SAS - Surface Air Sampler	P - Potable Water	B - Bulk	
CP - Contact Plate	NP - Non-Potable Water	O - Other	

WEATHER	Fog	Rain	Snow	Wind	Clear
None					<input checked="" type="checkbox"/>
Light					
Moderate					
Heavy					

CONTACT INFORMATION: 3685 Mt Diablo Blvd. Ste. 210, Lafayette, CA 94501

Address: 3685 Mt Diablo Blvd. Ste. 210, Lafayette
 Special Instructions:
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STD - Standard (DEFAULT)
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72-073011-A04	Ambient Penthouse	ST	SD 75L	
72-073011-A05	Boiler Room - N. Contain.	ST	SD 75L	Penthouse
72-073011-A06	Exterior SW Roof	ST	SD 75L	
72-073011-A07	T-Boiler	T	SD	

Sample Type Code	Sample Type	Volume/Amount	Notes
BC - BioCassette	ST - Spore Trap; Zefon, Allergenco, Burkard...	D - Dust	
ATIS - Andersen	SW - Swab	SO - Soil	
SAS - Surface Air Sampler	P - Potable Water	B - Bulk	
CP - Contact Plate	NP - Non-Potable Water	O - Other	



000811516

Requested Services: 174
 BioCassette - Anderson, SAS, Swab
 Water, Bulk, Dust, Soil, Contact Plate

Non-Culturable	Culturable	Requested Services
Spore Trap Analysis - Other Particles	Quantitative Spore Count Direct Exam	1-Media Surface Fungi (Genus ID + Asp. spp.)
Direct Microscope Exam (Qualitative)	3-Media Surface Fungi (Genus ID + Asp. spp.)	2-Media Surface Fungi (Genus ID + Asp. spp.)
Fungi - Spore Trap Analysis	Quantifiable Spore Count Direct Exam	3-Media Surface Fungi (Genus ID + Asp. spp.)
	Calculable Air Fungi (Genus ID + Asp. spp.)	Gram Stain and Counts (Culturable Air and Surface Bacteria)
	Legionella culture	Total Coliform, E. coli (Presence/Absence)
	Membrane Filtration (Please specify organism)	MFN Bacteria (Please specify organism)
	Quant Tray - Sewage Screen	Asbestos Analysis - PCM Airborne Fiber Count (NIOSH 7400)
	Asbestos Analysis - PLM (EPA method 600/R-93-1-6)	NCR (Please specify text)

Requested By	Date & Time
<u>Davis Coppez</u>	<u>7/30/11 9:50</u>

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EMLab P&K

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; M Floor Laundry
EML ID: 812566

Approved by:



Lab Manager
Malcolm Moody

Dates of Analysis:
Spore trap analysis: 08-02-2011

Service SOPs: Spore trap analysis (1038)

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

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

Document Number: 200091 - Revision Number: 5

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

Date of Sampling: 08-02-2011
 Date of Receipt: 08-02-2011
 Date of Report: 08-02-2011

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	2372-802-MA01: Exterior M-SE		2372-802-MA02: M Ambient Hall at Laundry		2372-802-MA03: M Laundry Containment		2372-802-MA04: Exterior Roof NW	
Comments (see below)	A		A		A		A	
Lab ID-Version‡:	3602112-1		3602113-1		3602114-1		3602115-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	9	120					2	27
Arthrinium								
Ascospores*			1	53			1	53
Aureobasidium								
Basidiospores*	3	160					4	210
Bipolaris/Drechslera group	1	13						
Chaetomium	1	13					1	13
Cladosporium	6	320					10	530
Curvularia								
Epicoccum								
Fusarium								
Nigrospora								
Oidium	1	13						
Other brown	1	13						
Penicillium/Aspergillus types†							7	370
Pithomyces								
Rusts*								
Smuts*, Periconia, Myxomycetes*	8	110	1	13			5	67
Stachybotrys								
Stemphylium								
Torula	3	40					2	27
Ulocladium	1	13						
Background debris (1-4+)††	3+		2+		2+		3+	
Hyphal fragments/m3	80		< 13		< 13		110	
Pollen/m3	93		< 13		< 13		27	
Skin cells (1-4+)	1+		1+		1+		1+	
Sample volume (liters)	75		75		75		75	
§ TOTAL SPORES/m3		810		67		< 13		1,300

Comments: A) Analysis of replicate sample is delayed. Secondary data review 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.

For more information regarding analytical sensitivity, please contact QA by calling the laboratory.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

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

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

Date of Sampling: 08-02-2011
 Date of Receipt: 08-02-2011
 Date of Report: 08-02-2011

MoldRANGE™: Extended Outdoor Comparison**Outdoor Location: 2372-802-MA01, Exterior M-SE**

Fungi Identified	Outdoor data	Typical Outdoor Data by Date†				Typical Outdoor Data by Location‡			
		Month: August				State: CA			
	spores/m3	low	med	high	freq %	low	med	high	freq %
Generally able to grow indoors*									
Alternaria	120	7	40	600	67	7	27	210	51
Bipolaris/Drechslera group	13	7	13	290	27	7	13	130	12
Chaetomium	13	7	13	160	12	7	13	120	19
Cladosporium	320	53	830	13,000	97	53	590	7,800	96
Curvularia	-	7	27	810	33	7	13	230	7
Nigrospora	-	7	20	280	26	7	13	200	9
Other brown	13	7	13	120	28	7	13	95	32
Penicillium/Aspergillus types	-	27	240	3,500	79	33	210	2,400	83
Stachybotrys	-	7	13	310	3	7	13	210	4
Torula	40	7	13	170	15	7	13	160	11
Ulocladium	13	7	13	100	5	7	13	80	11
Seldom found growing indoors**									
Ascospores	-	13	310	6,200	85	13	110	2,100	69
Basidiospores	160	27	640	28,000	95	13	210	8,800	92
Oidium	13	7	13	210	17	7	13	200	18
Rusts	-	7	25	390	29	7	13	270	24
Smuts, Periconia, Myxomycetes	110	7	53	970	75	7	40	570	66
§ TOTAL SPORES/m3	810								

† 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, Ms. Andrea
 Steinbach
 Re: DGS-BOE; M Floor Laundry

Date of Sampling: 08-02-2011
 Date of Receipt: 08-02-2011
 Date of Report: 08-02-2011

MoldRANGE™: Extended Outdoor Comparison**Outdoor Location: 2372-802-MA04, Exterior Roof NW**

Fungi Identified	Outdoor data	Typical Outdoor Data by Date†				Typical Outdoor Data by Location‡			
		Month: August				State: CA			
	spores/m3	low	med	high	freq %	low	med	high	freq %
Generally able to grow indoors*									
Alternaria	27	7	40	600	67	7	27	210	51
Bipolaris/Drechslera group	-	7	13	290	27	7	13	130	12
Chaetomium	13	7	13	160	12	7	13	120	19
Cladosporium	530	53	830	13,000	97	53	590	7,800	96
Curvularia	-	7	27	810	33	7	13	230	7
Nigrospora	-	7	20	280	26	7	13	200	9
Other brown	-	7	13	120	28	7	13	95	32
Penicillium/Aspergillus types	370	27	240	3,500	79	33	210	2,400	83
Stachybotrys	-	7	13	310	3	7	13	210	4
Torula	27	7	13	170	15	7	13	160	11
Ulocladium	-	7	13	100	5	7	13	80	11
Seldom found growing indoors**									
Ascospores	53	13	310	6,200	85	13	110	2,100	69
Basidiospores	210	27	640	28,000	95	13	210	8,800	92
Oidium	-	7	13	210	17	7	13	200	18
Rusts	-	7	25	390	29	7	13	270	24
Smuts, Periconia, Myxomycetes	67	7	53	970	75	7	40	570	66
§ TOTAL SPORES/m3	1,300								

† 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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CONTACT INFORMATION

Company: Lacroix Davis, LLC Address: 3685 Mt Diablo Blvd, Ste 210
 Contact: C. Cooney; Tilce; Astorbrook Special Instructions: Emergency, CA 94549
 Phone: 925.299.1140 *email contacts*

PROJECT INFORMATION

Project ID: DGS-BOE
 Project Desc.: M Floor Laundry
 Project Date & Time: 8/2/11
 Zip Code: 94022
 PO Number: 2372-02-512

TURN AROUND TIME CODES (TAT)

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

Sample ID	Description	Sample Type (Below)	TAT (Hours)	Total Volume/Area (as applicable)	NOYES (Time of day, Temp, etc.)
2372-801-MA01	Exterior M-SE	ST WH	75	75	2:15
2372-802-MA02	M Ambient Hall/Laundry	ST WH	75	75	2:15
2372-802-MA03	M-Laundry Containment	ST WH	75	75	2:15
2372-802-MA04	Exterior Roof NW	ST WH	75	75	2:00

SAMPLE TYPE CODES

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

WEATHER

Fog	Rain	Snow	Wind	Clear
			X	

None
Light
Moderate
Heavy

Non-Culturable

Tap
Swab
Bulk

REQUESTED SERVICES (V Box)

Culturable

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

Service	Requested
Spore Trap Analysis	
Fungi - Spore Trap Analysis	
Spore Trap Analysis - Other particles	
Direct Microscopic Exam (Qualitative)	
Quantitative Spore Count Direct Exam	
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 Factors)	
Legionella 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)	

RELINQUISHED BY Thomson **DATE & TIME** 8/2/11 1530

RECEIVED BY [Signature] **DATE & TIME** 8/2/11 1530

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