

**MICRO ANALYTICAL LABORATORIES, INC.****BULK ASBESTOS ANALYSIS - PLM (EPA/600/R-93/116, 1993)**

1081  
 Ted Ice  
 La Croix Davis, LLC  
 3685 Mt. Diablo Boulevard, Ste 210  
 Lafayette, CA 94549

PROJECT:  
**DGS - BOE FLOOR 4**  
**JOB NO. 2372.01-572**

Micro Log In **127032**  
 Total Samples 2  
 Date Sampled 07/01/2009  
 Date Received 07/02/2009  
 Date Analyzed 07/03/2009

SAMPLE IDENTIFICATION	ASBESTOS INFORMATION QUANTITY (AREA %) / TYPES / LAYERS / DISTINCT SAMPLES	DOMINANT OTHER MATERIALS
Client: <b>2372.F4-1B</b> Micro: 127032-01 Multi-color Analyst: GM DA <b>CARPET MASTIC            AND LEVELING COMPOUND            SOUTHEAST PERIMETER            AT SAWTOOTH K-17.5</b>	<b>MASTIC: NONE DETECTED</b> <b>LEVELING COMPOUND (WHITE): NONE DETECTED</b> <b>LEVELING COMPOUND (GRAY): NONE DETECTED</b>	1 % SYNTHETIC FIBERS Matrix: CARBONATE Type: SYNTHETIC MATERIAL QC: A2
Client: <b>2372.F4-2B</b> Micro: 127032-02 Multi-color Analyst: GM <b>CARPET MASTIC            AND LEVELING COMPOUND            SOUTHEAST PERIMETER            AT SAWTOOTH K-17.5</b>	<b>MASTIC: NONE DETECTED</b> <b>LEVELING COMPOUND (WHITE): NONE DETECTED</b> <b>LEVELING COMPOUND (GRAY): NONE DETECTED</b>	1 % SYNTHETIC FIBERS Matrix: CARBONATE Type: SYNTHETIC MATERIAL

 Technical Supervisor: 

7/3/2009

Date Reported

For: Gamini Ranatunga, Ph.D.

Asbestos is quantified by calibrated visual estimation. Detection limit is material dependent. Detection of asbestos traces (much less than 1%) may not be reliable or reproducible by PLM. Weight % cannot be determined by PLM. Asbestos with diameter below ~1 µm may not be detected by PLM. Absence of asbestos in dust, debris, and some compact materials, including floor tiles, cannot be conclusively established by PLM, and should be confirmed by Transmission Electron Microscopy (TEM). The lower quantitation limit (reporting limit) of PLM estimation is 1%. The Cal-OSHA definition of asbestos-containing construction material is 0.1% asbestos; however, reliable determination of asbestos percent at this level cannot be done by PLM estimation; PLM Point Counting or TEM is recommended. Only dominant non-asbestos materials are indicated. Interferences may prevent detection of small asbestos fibers, and hinder determination of some optical properties. Sample heterogeneity is indicated by listing more than one distinct layer or material on the report. Layers are analyzed separately when feasible; if asbestos is detected, percentages are reported for individual layers. Interlayer contamination is possible among any layers in a sample. Composite asbestos percentages are applicable only to wallboard / joint compound systems; compositing is based on customers' descriptions of material as "joint compound". Customers are solely responsible for identification and description of bulk materials listed on field forms. Laboratory descriptions may differ from those given by customers. Quality Control (QC) Codes: A1/A2 = results within acceptance limits; F = false positive or negative corrected, reanalysis within acceptance limits; M = Method error resolved (for trace amounts); R = Other, resolved after review. Accreditation: NIST / NVLAP (Lab Code 101872-0). CA ELAP Certification #1037. EPA 1993 method is based on EPA Interim Method (1982), with improved analytical techniques. Unless otherwise stated herein, all samples were received in acceptable condition for analysis. This report must not be used to claim product endorsement by NIST or any U.S. Government agency. This report shall not be reproduced without the approval of Micro Analytical Laboratories, Inc., shall not be reproduced except in full, and pertains only to the samples analyzed. ND = NO ASBESTOS DETECTED.

**5900 HOLLIS STREET, SUITE M - EMERYVILLE, CA 94608 - (510) 653-0824**



**MICRO ANALYTICAL LABORATORIES, INC.**

Page 1 of 1

**BULK ASBESTOS ANALYSIS - PLM (EPA/600/R-93/116, 1993)**

1081  
 Ted Ice  
 La Croix Davis, LLC  
 3685 Mt. Diablo Boulevard, Ste 210  
 Lafayette, CA 94549

PROJECT:  
**DGS - BOE**  
**SACRAMENTO, CA**  
**JOB NO. 2372.1-572 SOW 6.0**

Micro Log In **127355**  
 Total Samples 2  
 Date Sampled 07/09/2009  
 Date Received 07/10/2009  
 Date Analyzed 07/10/2009

**ASBESTOS INFORMATION**

SAMPLE IDENTIFICATION	QUANTITY (AREA %) / TYPES / LAYERS / DISTINCT SAMPLES	DOMINANT OTHER MATERIALS
Client: <b>B4-07</b> Micro: 127355-01 Multi-color Analyst: LZ <b>COVE BASE MASTIC</b>	<b>MASTIC: NONE DETECTED</b> <b>JOINT COMPOUND: NONE DETECTED</b> <b>PAINT: NONE DETECTED</b>	30 % CELLULOSE  Matrix: CARBONATE Type: SYNTHETIC MATERIAL
Client: <b>B4-08</b> Micro: 127355-02 Multi-color Analyst: LZ <b>JOINT COMPOUND</b>	<b>MASTIC: NONE DETECTED</b> <b>JOINT COMPOUND: NONE DETECTED</b> <b>PAINT: NONE DETECTED</b>	30 % CELLULOSE  Matrix: CARBONATE Type: SYNTHETIC MATERIAL

 Technical Supervisor:
 

Gamini Ranatunga, Ph.D.

7/10/2009

Date Reported

Asbestos is quantified by calibrated visual estimation. Detection limit is material dependent. Detection of asbestos traces (much less than 1%) may not be reliable or reproducible by PLM. Weight % cannot be determined by PLM. Asbestos with diameter below ~1 µm may not be detected by PLM. Absence of asbestos in dust, debris, and some compact materials, including floor tiles, cannot be conclusively established by PLM, and should be confirmed by Transmission Electron Microscopy (TEM). The lower quantitation limit (reporting limit) of PLM estimation is 1%. The Cal-OSHA definition of asbestos-containing construction material is 0.1% asbestos; however, reliable determination of asbestos percent at this level cannot be done by PLM estimation; PLM Point Counting or TEM is recommended. Only dominant non-asbestos materials are indicated. Interferences may prevent detection of small asbestos fibers, and hinder determination of some optical properties. Sample heterogeneity is indicated by listing more than one distinct layer or material on the report. Layers are analyzed separately when feasible; if asbestos is detected, percentages are reported for individual layers. Interlayer contamination is possible among any layers in a sample. Composite asbestos percentages are applicable only to wallboard / joint compound systems; compositing is based on customers' descriptions of material as "joint compound". Customers are solely responsible for identification and description of bulk materials listed on field forms. Laboratory descriptions may differ from those given by customers. Quality Control (QC) Codes: A1/A2 = results within acceptance limits; F = false positive or negative corrected, reanalysis within acceptance limits; M = Method error resolved (for trace amounts); R = Other, resolved after review. Accreditation: NIST / NVLAP (Lab Code 101872-0). CA ELAP Certification #1037. EPA 1993 method is based on EPA Interim Method (1982), with improved analytical techniques. Unless otherwise stated herein, all samples were received in acceptable condition for analysis. This report must not be used to claim product endorsement by NIST or any U.S. Government agency. This report shall not be reproduced without the approval of Micro Analytical Laboratories, Inc., shall not be reproduced except in full, and pertains only to the samples analyzed. ND = NO ASBESTOS DETECTED.

5900 HOLLIS STREET, SUITE M - EMERYVILLE, CA 94608 - (510) 653-0824

7/9/09 F4 PLM

Client ID #  
2372.1-572  
Name / Client / Address:  
LaCroix Davis LLC

**MICRO ANALYTICAL LABORATORIES, INC.**

5900 Hollis St., Suite M, Emeryville, CA 94608  
(510) 653-0824 - (510) 653-1361 - FAX

Log in #

127385

3685 Mt. Diablo Blvd. Suite 210  
Lafayette CA 94549

**Project**  
DGS-BOE  
Sacramento, California

Asbestos (TEM)

Asbestos PLM

Lead Only

Metals (Specify)

Mold, Non-Viable

Other (Specify)

Tel. (925) 299-1140

Fax

Job No. 2372.1-572 SOW 6.0

E-mail ccorpuz@lacroixdavis.com

Number of Samples    Turn-Around Time  
2    3-5 DAYS

Micro ID # (For Lab Use Only)	Client Sample ID#	Description	Date Sampled	Time Sampled Start / Stop / Total Minutes	Average LPM	Total Liters	Filter Pore Size
01	B4-07	Cove base mastic	07/09/2009	: : 0		0.00	
02	B4-08	Joint Compound	07/09/2009	: : 0		0.00	
				: : 0		0.00	
				: : 0		0.00	
				: : 0		0.00	
				: : 0		0.00	
				: : 0		0.00	
				: : 0		0.00	
				: : 0		0.00	
				: : 0		0.00	

Instructions / Comments:     Fax     E-mail To: Chris Corpuz (ccorpuz@lacroixdavis.com)

Sample Return: YES  NO  If "YES" is checked, samples will be returned to the client or archived at Micro Analytical if required. If "NO" is checked, solid samples may be disposed of within three months (one week for liquid samples, lab suspensions, and digestates).

Sampler's Signature / Name: *John Doe*    Note to Lab: If any samples are not acceptable, record reasons for rejection.  
Relinquished By: *John Doe*    Date / Time: 7/10/09 15:55    Drop Box / Courier    Received By: *MM*    Date / Time: 7-10-09 15:54

Relinquished By:    Date/Time:    Received By:    Date / Time



## EMLab P&K

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Report for:

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

---

Regarding:      Project: DGS-BOE  
                         EML ID: 559281

Approved by:

A handwritten signature in black ink, appearing to read 'Dr. Kamashwaran Ramanathan', written over a horizontal line.

Lab Manager  
Dr. Kamashwaran Ramanathan

Dates of Analysis:  
Direct microscopic exam (Qualitative): 07-10-2009

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

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

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

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

Client: LaCroix Davis, LLC  
C/O: Mr. Chris Corpuz  
Re: DGS-BOEDate of Sampling: 07-09-2009  
Date of Receipt: 07-10-2009  
Date of Report: 07-10-2009**DIRECT MICROSCOPIC EXAMINATION REPORT**  
(Wet Mount)

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 2481294-1: Bulk sample B4-01: Fireproofing Fire Proofing	Very few	None	None	Normal trapping
Lab ID-Version: 2481295-1: Bulk sample B4-02: Fireproofing Fire Proofing	Very few	None	None	Normal trapping
Lab ID-Version: 2481296-1: Bulk sample B4-03: Fireproofing Fire Proofing	Very few	None	None	Normal trapping
Lab ID-Version: 2481297-1: Bulk sample B4-04: Fireproofing Fire Proofing	Very few	None	None	Normal trapping
Lab ID-Version: 2481298-1: Bulk sample B4-05: Fireproofing Fire Proofing	Very few	None	None	Normal trapping
Lab ID-Version: 2481299-1: Tape sample T4-01: Gypsum board Moderate	Very few	< 1+ Colorless spores typical of <i>Penicillium/Aspergillus</i> (spores)	None	Minimal mold growth
Lab ID-Version: 2481300-1: Tape sample T4-02: Gypsum board Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 2481301-1: Tape sample T4-03: Gypsum board Light	Very few	None	None	Normal trapping
Lab ID-Version: 2481302-1: Tape sample T4-04: Gypsum board Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 2481303-1: Tape sample T4-05: Gypsum board Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 2481304-1: Tape sample T4-06: Floor stain 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‡: 2481305-1: Tape sample T4-07: Floor stain				
Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 2481306-1: Tape sample T4-08: Floor stain				
Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 2481307-1: Tape sample T4-09: Gypsum board				
Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 2481308-1: Tape sample T4-10: Gypsum board				
Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 2481309-1: Tape sample T4-11: Gypsum board				
Very Heavy	Variety	None	None	Normal trapping
Lab ID-Version: 2481310-1: Tape sample T4-12: Gypsum board				
Heavy	Few	1+ <i>Cladosporium</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 2481311-1: Tape sample T4-13: Gypsum board				
Heavy	Variety	1+ <i>Cladosporium</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 2481312-1: Tape sample T4-14: Floor stain				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 2481313-1: Tape sample T4-15: Floor stain				
Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 2481314-1: Tape sample T4-16: Gypsum board				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 2481315-1: Tape sample T4-17: Floor stain				
Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 2481316-1: Tape sample T4-18: Floor stain				
Moderate	Very few	None	None	Normal trapping

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 2481317-1: Tape sample T4-19: Floor stain				
Heavy	Very few	None	None	Normal trapping

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

**CHAIN OF CUSTODY**

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• PLEASE SEE REVERSE SIDE FOR ADDITIONAL MicroLAB™ LOCATIONS •  
 1150 Bayhill Dr. #100, San Bruno, CA 94066 ~ AIHA EMLAP #102856  
 5473 Kearny Villa Road, #130, San Diego, CA 92123 ~ AIHA EMLAP #160266

**CONTACT INFORMATION**

Company/Branch: La Craik Davis LLC Address: 3685 Mt. Diablo Blvd. Suite 210  
 Contact: Chris Corpuz Fax results? Y (N) Fax: \_\_\_\_\_  
 Phone: (510) 701-4729 Email results? Y (N) Email: C.Corpuz@lacroixdavis.com

**PROJECT INFORMATION**

Project: D65-BoE Sampling Date: 7/9/09  
 Zip Code: \_\_\_\_\_  
 PO Number: 2372-01-572  
 Send Invoice to: Folsom CA Office

**TURN AROUND TIME CODES - (TAT)**

STD - Standard (DEFAULT 48-72 Hour)  
 ND - 24 Hour (+50%)  
 SD - Same Business Day Rush (+75%)  
 WH - Weekend/Holiday (+100%)

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.)
B4-01	Fire proofing	B	SD		
B4-02	Fire proofing	B	SD		
B4-03	Fire proofing	B	SD		
B4-04	Fire proofing	B	SD		
B4-05	Fire proofing	B	SD		
B4-06 CC	Fire proofing CC	B	SD		
B4-07 CC	Fire proofing CC	B	SD		
B4-08 CC	Fire proofing CC	B	SD		
T4-01	Gypsum Board	T	SD		
T4-02	Gypsum Board	T	SD		
T4-03	Gypsum Board	T	SD		
T4-04	Gypsum Board	T	SD		

**SAMPLE TYPE CODES**

BC - BioCassette  
 CP - Contact Place  
 ST - Spore Trap: Zefon, Allergenco, Burkard, ...  
 P - Pure Culture  
 O - Other: \_\_\_\_\_

**RELINQUISHED BY** Chris Corpuz **DATE & TIME** 7/9/09 3:30

**RECEIVED BY** Megan Tam **DATE & TIME** 7/9/09 9:18

**REQUESTED SERVICE**

**Non-Culturable**  
 Type Swab Bulk  
 BioCassette, Anders Water, Bulk, Dust, St.

**Culture**  
 Premium Req. add'l subsamples - 4 wk lead

000559281

Spore Trap	Fungus - Spore Trap Analysis	Fungi & Biological Particles - Spore Trap Analysis	Fungi - Standard Quant. Analysis (Incl. Aq. Speciation)	Bacteria - Quantitative Analysis	E.coli / Coliform Screen (24hr, 48hr, Wt. mesh avail.)	Sewage Assessment / Clearance	Legionella - Quantitative Analysis (Water & swabs only)	Fungi w/ Penicillium & Asp. Speciation	Fungi w/ Clad & Asp. Speciation	Fungi - Full Speciation	MycobHOTO™	MoldSTAT™ report at no charge w/ spore trap report	MoldRANGER™ report at no charge w/ spore trap report
X	X	X	X	X	X	X	X	X	X	X	X	X	X

**CHAIN OF CUSTODY**

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 5473 Kearny Villa Road, #130, San Diego, CA 92123 ~ AIHA EMLAP #160266

**CONTACT INFORMATION**

Company/Branch: La Craix Davis LLC Address: 3885 Mt. Diablo Blvd. Suite 210  
 Contact: Chris Corpuz Fax: Y/N  
 Phone: (510) 701-4729 Email: ccorpuz@croixdavis.com

**PROJECT INFORMATION**

Project: \_\_\_\_\_ Sampling Date: \_\_\_\_\_  
 Project Code: \_\_\_\_\_  
 PO Number: \_\_\_\_\_  
 Send invoice to: \_\_\_\_\_

**TURN AROUND TIME CODES - (TAT)**

STD - Standard (DEFAULT 48-72 Hour)  
 ND - 24 Hour (+50%)  
 SD - Same Business Day Rush (+75%)  
 WH - Weekend/Holiday (~100%)

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.)
T4-05	Gypsum Board	T	SD		
T4-06	Floor stain	T	SD		
T4-07	Floor stain	T	SD		
T4-08	Floor stain	T	SD		
T4-09	Gypsum Board	T	SD		
T4-10	Gypsum Board	T	SD		
T4-11	Gypsum Board	T	SD		
T4-12	Gypsum Board	T	SD		
T4-13	Gypsum Board	T	SD		
T4-14	Floor stain	T	SD		
T4-15	Floor stain	T	SD		
T4-16	Gypsum Board	T	SD		

**SAMPLE TYPE CODES**

BC - BioCassette  
 A15 - Andersen 1-stage Zefon, Allergenco, Burkard...  
 A25 - Andersen 2-stage Zefon, Allergenco, Burkard...  
 SAS - Surface Air Sampler

CP - Contact Plate  
 ST - Spore Trap  
 B - Bulk  
 P - Pure Culture

D - Dust  
 W - Water  
 SD - Soil  
 O - Other:

**RELINQUISHED BY**

Chris Corpuz 7/9/09 3:30  
Theresa 7/10/09 9:18

**RECEIVED BY**

Theresa 7/9/09 9:30 AM  
Theresa 7/10/09 9:18

**DATE & TIME**

**DATE & TIME**

WEATHER	Fog	Rain	Snow	Wind	Clear
None					
Light					
Moderate					
Heavy					

LEVEL X

REQUESTED SERI 000559281  
 Cults  
 BioCassette™, Anderson, SAS, Swab, Water, Bulk, Dust, Soil, Contact Plat.  
 Requests

Non-Culturable	Spore Trap	Tape Swab Bulk	Fungi - Spore Trap Analysis	Fungi & Biological Particles - Spore Trap Analysis	Fungi - Direct Microscopic Exam	Fungi - Standard Quanc. Analysis (Incl. App. Speciation)	Bacteria - Quantitative Analysis	Emf / Coliform Screen (24hr, 48hr, W/1 rush avail)	Sewage Assessment / Clearance	Legionella - Quantitative Analysis (water & swabs only)	Fungi w/ Penicillin & Asp. Speciation	Fungi w/ Clad & Asp. Speciation	Fungi - Full Speciation	Mycology™	MoldSTAT™ report at no charge w/ spore trap report	MoldSTRANEM™ report at no charge w/ spore trap report
			X	X	X	X	X	X	X	X	X	X	X	X		

Premium Req. add'l subsamples ~4 wk lead





## EMLab P&K

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Report for:

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

---

Regarding: Project: 2372.02-572; DGS-BOE Floor 4  
EML ID: 563250

Approved by:

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

Lab Manager  
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 07-23-2009

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

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

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

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Document Number: 200091 - Revision Number: 5

Client: LaCroix Davis, LLC  
 C/O: Mr. Chris Corpuz, Mr. Ted Ice  
 Re: 2372.02-572; DGS-BOE Floor 4

Date of Sampling: 07-23-2009  
 Date of Receipt: 07-23-2009  
 Date of Report: 07-23-2009

**DIRECT MICROSCOPIC EXAMINATION REPORT**

(Wet Mount)

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 2498201-1: Tape sample 2372-723-T01: Stain on GB, east, fountain				
Heavy	None	None	None	No mold spores detected
Lab ID-Version: 2498202-1: Tape sample 2372-723-T02: Stain on GB, south W, fountain				
Heavy	None	None	None	No mold spores detected

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



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



REQUESTED SERVICES  Box 000563250

**CONTACT INFORMATION**

Company: LACROIX DAVIS LLC  
 Address: 3605 Mt. Diablo Blvd Ste 210 Lafayette, CA 94549  
 Special Instructions: email to: ccorpuz@lacroidavis.com

Phone: 925.299.1140

**PROJECT INFORMATION**

Project ID: 2372-02-572  
 Project Desc: DGS - BDE Floor 4  
 Sampling Date & Time: 7/23/09 8:00  
 PO Number: \_\_\_\_\_

**TURN AROUND TIME CODES - (TAT)**

STD - Standard (DEFAULT)  
 ND - Next Business Day  
 SD - Sample 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.)
2372-723701	STAIN ON GB EAST (FOUNTAIN)	SW - Swab			
2372-723702	STAIN ON GB SOUTH W (FOUNTAIN)	SW - Swab			

**SAMPLE TYPE CODES**

CP - Contact Plate  T - Tape  
 ST - Spore Trap: Zefon, Allergenco, Burkard  
 SW - Swab   
 P - Bulk   
 D - Dust  
 W - Water  
 SO - Soil

BC - BioCassette  
 AYS - Andersen  
 SAS - Surface Air Sampler  
 O - Other: \_\_\_\_\_

RELINQUISHED BY: Theodore DATE & TIME: 7/23/09 9:30

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

RECEIVED BY: ANDERSON DATE & TIME: 7/23/09 9:30 AM

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## EMLab P&K

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Report for:

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

---

Regarding: Project: 2372-572; BOE 4th Floor Fountain Clear  
EML ID: 563996

Approved by:

Lab Manager  
Malcolm Moody

Dates of Analysis:

Spore trap analysis: 07-27-2009

Project SOPs: Spore trap analysis (I100000)

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

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

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Client: LaCroix Davis, LLC  
C/O: Mr. Chris Corpuz, Mr. Ted Ice  
Re: 2372-572; BOE 4th Floor Fountain ClearDate of Sampling: 07-24-2009  
Date of Receipt: 07-24-2009  
Date of Report: 07-27-2009**SPORE TRAP REPORT: NON-VIABLE METHODOLOGY**

Location:	2372-72409-1ST: Outside, N St.		2372-72409-2ST: 4th Flr, Fountain containment		2372-72409-3ST: Outside, M patio	
Comments (see below)	None		None		None	
Lab ID-Version‡:	2501195-1		2501196-1		2501197-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria						
Arthrinium						
Ascospores*	6	320				
Aureobasidium						
Basidiospores*	16	850			2	110
Bipolaris/Drechslera group						
Botrytis						
Chaetomium						
Cladosporium	24	1,300	1	53	8	430
Curvularia						
Epicoccum						
Fusarium						
Myrothecium						
Nigrospora						
Other colorless						
Penicillium/Aspergillus types†	3	160	1	53	1	53
Pithomyces						
Rusts*						
Smuts*, Periconia, Myxomycetes*	8	110			1	13
Stachybotrys						
Stemphylium						
Torula	3	40				
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	2+		2+		2+	
Hyphal fragments/m3	110		13		53	
Pollen/m3	40		< 13		13	
Skin cells (1-4+)	< 1+		1+		< 1+	
Sample volume (liters)	75		75		75	
<b>§ TOTAL SPORE/m3</b>		<b>2,800</b>		<b>110</b>		<b>600</b>

**Comments:**

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

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

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

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

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

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

§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.  
TestAmerica Environmental Microbiology Laboratory, Inc.

Client: LaCroix Davis, LLC  
 C/O: Mr. Chris Corpuz, Mr. Ted Ice  
 Re: 2372-572; BOE 4th Floor Fountain Clear

Date of Sampling: 07-24-2009  
 Date of Receipt: 07-24-2009  
 Date of Report: 07-27-2009

**MoldRANGE™: Extended Outdoor Comparison****Outdoor Location: 2372-72409-1ST, Outside, N St.**

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 %
<b>Generally able to grow indoors*</b>									
Alternaria	-	7	40	470	67	7	27	220	57
Bipolaris/Drechslera group	-	7	13	250	22	7	13	120	13
Chaetomium	-	7	13	120	16	7	13	120	19
Cladosporium	1,300	53	760	9,800	97	53	640	6,800	97
Curvularia	-	7	25	730	21	7	13	230	7
Nigrospora	-	7	13	170	14	7	13	170	8
Penicillium/Aspergillus types	160	27	210	2,600	83	33	210	2,500	86
Stachybotrys	-	7	13	370	4	7	13	290	5
Torula	40	7	13	160	15	7	13	150	12
<b>Seldom found growing indoors**</b>									
Ascospores	320	13	210	6,700	83	13	110	1,900	71
Basidiospores	850	13	360	22,000	94	13	210	7,000	93
Rusts	-	7	13	240	24	7	13	250	28
Smuts, Periconia, Myxomycetes	110	7	53	1,900	79	8	40	490	70
<b>TOTAL SPORES/M3</b>	2,780								

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

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

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

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

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: 2372-572; BOE 4th Floor Fountain Clear

Date of Sampling: 07-24-2009  
 Date of Receipt: 07-24-2009  
 Date of Report: 07-27-2009

**MoldRANGE™: Extended Outdoor Comparison****Outdoor Location: 2372-72409-3ST, Outside, M patio**

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 %
<b>Generally able to grow indoors*</b>									
Alternaria	-	7	40	470	67	7	27	220	57
Bipolaris/Drechslera group	-	7	13	250	22	7	13	120	13
Chaetomium	-	7	13	120	16	7	13	120	19
Cladosporium	430	53	760	9,800	97	53	640	6,800	97
Curvularia	-	7	25	730	21	7	13	230	7
Nigrospora	-	7	13	170	14	7	13	170	8
Penicillium/Aspergillus types	53	27	210	2,600	83	33	210	2,500	86
Stachybotrys	-	7	13	370	4	7	13	290	5
Torula	-	7	13	160	15	7	13	150	12
<b>Seldom found growing indoors**</b>									
Ascospores	-	13	210	6,700	83	13	110	1,900	71
Basidiospores	110	13	360	22,000	94	13	210	7,000	93
Rusts	-	7	13	240	24	7	13	250	28
Smuts, Periconia, Myxomycetes	13	7	53	1,900	79	8	40	490	70
<b>TOTAL SPORES/M3</b>	<b>606</b>								

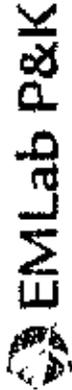
† The Typical Outdoor Data by Date represents the typical outdoor spore levels across North America for the month indicated. The last column represents the frequency of occurrence. The low, medium, and high values represent the 2.5, 50, and 97.5 percentile values of the spore type when it is detected.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

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

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

CONTACT INFORMATION

Company: La Croix Davis  
 Address: 368 S Mt Diablo Blvd, Lafayette, CA  
 Special Instructions: Please email results to: 945219@lacroixdavis.com and TICE@lacroixdavis.com  
 Contact: Ted Ice/Chris Lopez  
 Phone: \_\_\_\_\_

PROJECT INFORMATION

Project ID: 2372-572  
 Project Desc.: BOB 4th Floor Fountain Clear  
 Project Zip Code: 95814 Sampling Date & Time: 7/24  
 PO Number: \_\_\_\_\_

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.)
2372-7409-1ST	Outside USE	ST	SD	75 liters	3:55 PM
2ST	4th Floor Fountain Containment	ST	SD	75 liters	3:45 PM
3ST	Outside, F M park	ST	SD	75 liters	3:45 PM

SAMPLE TYPE CODES

BC - BioCassette	CP - Contact Plate	T - Tape	D - Dust
AT5 - Anderson Zefon, Allergenco	ST - Spore Trap	SW - Swab	W - Water
SAS - Surface Air Sampler	Burford	B - Bulk	SD - Soil
O - Other			

RELINQUISHED BY: Tom Wegerin  
 DATE & TIME: 7/24/09 10:55 AM

RECEIVED BY: SV ANDERSON  
 DATE & TIME: 7/24/09 4:58 PM

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

REQUESTED SERVICES (v)  
 Culturable  
 Iso-Casette: Anderson, SAS, Swab  
 Water, Bulk, Dust, Soil, Contact Plate



000563996

Spore Trap	Spore Trap Analysis - Other particles	
Non-Culturable	Direct Microscopic Exam (Qualitative)	
Tape Swab Bulk	Quantitative Spore Count Direct Exam	
	Indirect Surface Fungi (Census ID + App. spp.)	
	2-Media Surface Fungi (Census ID + App. spp.)	
	3-Media Surface Fungi (Census ID + App. spp.)	
	Culturable Air Fungi (Census ID + App. spp.)	
	Gram Stain and Counts (Culturable Air and Surface Bacteria)	
	Agarose Culture	
	Total Coliform, E. coli (Presence/Absence)	
	Mirimbic Filtration (Please specify organism)	
	MPN Bacteria (Please specify organism)	
	Quant. Tray - Sewage Screen	
	Adaptors Analysis - PCM Airborne Fiber Count (NIOSH 7400)	
	Adaptors Analysis - PLM (EPA method 600/4-93-116)	
	PCM (Please specify test)	



## EMLab P&K

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Report for:

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

---

Regarding: Project: 2372.02-572; DGS, BOE Floor 4  
EML ID: 564682

Approved by:

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

Lab Manager  
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 07-28-2009

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

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

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

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Document Number: 200091 - Revision Number: 5

Client: LaCroix Davis, LLC  
 C/O: Mr. Chris Corpuz, Mr. Ted Ice  
 Re: 2372.02-572; DGS, BOE Floor 4

Date of Sampling: 07-28-2009  
 Date of Receipt: 07-28-2009  
 Date of Report: 07-28-2009

**DIRECT MICROSCOPIC EXAMINATION REPORT**  
 (Wet Mount)

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 2504263-1: Bulk sample 2372-728-01: Floor 4 SE Column 1, Fire Proofing				
Fireproofing	None	None	None	No mold spores detected

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





## EMLab P&K

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Report for:

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

---

Regarding: Project: 2372.02-572; DGS-BOE Floor 11 & 4  
EML ID: 565345

Approved by:

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

Lab Manager  
Malcolm Moody

Dates of Analysis:

Spore trap analysis: 07-31-2009

Project SOPs: Spore trap analysis (I100000)

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

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

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Client: LaCroix Davis, LLC  
C/O: Mr. Chris Corpuz, Mr. Ted Ice  
Re: 2372.02-572; DGS-BOE Floor 11 & 4Date of Submittal: 07-30-2009  
Date of Receipt: 07-30-2009  
Date of Report: 07-31-2009**SPORE TRAP REPORT: NON-VIABLE METHODOLOGY**

Location:	2372-728-F11-01: Floor 11, inside containment north	2372-728-F11-02: Outside decon	2372-729-F11-03: Floor 11, outside decon	2372-729-F4-04: Floor 4, south center	2372-729-E-05: Exterior NW	
Comments (see below)	None	None	None	None	A	
Lab ID-Version‡:	2507148-1	2507149-1	2507150-1	2507151-1	2507152-1	
	raw ct. spores/m3	raw ct. spores/m3	raw ct. spores/m3	raw ct. spores/m3	raw ct. spores/m3	
Alternaria					2 27	
Arthrinium						
Ascospores*		1 53			5 270	
Aureobasidium						
Basidiospores*		1 53			26 1,400	
Bipolaris/Drechslera group						
Botrytis						
Chaetomium					5 67	
Cladosporium	1 53		1 53	1 53	35 1,900	
Curvularia						
Epicoccum						
Fusarium						
Nigrospora						
Other brown	1 13					
Penicillium/Aspergillus types†	1 53	2 110			32 990	
Pithomyces						
Rusts*					1 13	
Smuts*, Periconia, Myxomycetes*		1 13	1 13		8 110	
Stachybotrys	1 13				1 13	
Stemphylium						
Torula					2 27	
Ulocladium						
Background debris (1-4+)††	2+	2+	2+	< 1+	2+	
Hyphal fragments/m3	< 13	13	< 13	13	120	
Pollen/m3	< 13	< 13	< 13	< 13	53	
Skin cells (1-4+)	1+	1+	1+	< 1+	< 1+	
Sample volume (liters)	75	75	75	75	75	
<b>§ TOTAL SPORE/m3</b>		130	230	67	53	4,800

Comments: A) 18 of the raw count *Penicillium/Aspergillus* type spores were present as a single clump.

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

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

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

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

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

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

§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.  
TestAmerica Environmental Microbiology Laboratory, Inc.

Client: LaCroix Davis, LLC  
 C/O: Mr. Chris Corpuz, Mr. Ted Ice  
 Re: 2372.02-572; DGS-BOE Floor 11 & 4

Date of Submittal: 07-30-2009  
 Date of Receipt: 07-30-2009  
 Date of Report: 07-31-2009

**MoldRANGE™: Extended Outdoor Comparison****Outdoor Location: 2372-729-E-05, 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 %
<b>Generally able to grow indoors*</b>									
Alternaria	27	7	40	470	67	7	27	220	57
Bipolaris/Drechslera group	-	7	13	250	22	7	13	120	13
Chaetomium	67	7	13	120	16	7	13	120	19
Cladosporium	1,900	53	760	9,800	97	53	640	6,800	97
Curvularia	-	7	25	730	21	7	13	230	7
Nigrospora	-	7	13	170	14	7	13	170	8
Penicillium/Aspergillus types	990	27	210	2,600	83	33	210	2,500	86
Stachybotrys	13	7	13	370	4	7	13	290	5
Torula	27	7	13	160	15	7	13	150	12
<b>Seldom found growing indoors**</b>									
Ascospores	270	13	210	6,700	83	13	110	1,900	71
Basidiospores	1,400	13	360	22,000	94	13	210	7,000	93
Rusts	13	7	13	240	24	7	13	250	28
Smuts, Periconia, Myxomycetes	110	7	53	1,900	79	8	40	490	70
<b>TOTAL SPORES/M3</b>	4,817								

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

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

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

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

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Phoenix, AZ: 1301 West Knudsen Drive, Phoenix, AZ 85027 \* (800) 651-4802  
San Bruno, CA: 1150 Bayhill Drive, #100, San Bruno, CA 94066 \* (866) 888-6653

**CONTACT INFORMATION**

Company: La Croix Davis  
 Contact: Chris Corpuz, Ted Ice  
 Phone: 925.729.9440

Address: 3685 N. Diabolo # 210 Lafayette, CA 94549  
 Special Instructions: Tice@iacropixdavis.com email ccorpuz@iacropixdavis.com

**PROJECT INFORMATION**

Project ID: 2372-02-572  
 Project Base: BOE Floor 11 & 4  
 Project: Floor 11 Inside Containment North  
 Zip Code: 94504 Date & Time: 7/28/09 15:30  
 PO Number: 7/29/09

**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/Anch (as applicable)	NOTES (Time of day, Temp, RH, etc)
2372-02-572-01	Floor 11	ST	ND	75	15:41 7/28/09
2372-02-572-02	Inside Containment North	ST	ND	75	15:30 7/28/09
2372-02-572-03	Floor 11 Outside Decdn	ST	ND	75	15:08 7/28/09
2372-02-572-04	Floor 4 Outside Decdn	ST	ND	75	15:19 7/29/09
2372-02-572-05	Extorial NW	ST	ND	75	15:57 7/29/09

**SAMPLE TYPE CODES**

BC - BioCassette  
 A15 - Andersen  
 SAS - Surface Air Sampler  
 O - Other

PS - Contact Plate  
 ST - Spore Trap  
 Z - Zero Allergenco, Infrared

T - Tape  
 SW - Swab  
 B - Bulk

D - Dust  
 W - Water  
 SO - Soil

**RELINQUISHED BY:** Murphy **DATE & TIME:** 7/29/09 7:15

**WEATHER:** Fog Rain Snow Wind Clear

None  
 Light  
 Moderate  
 Heavy

**Non-Culturable**  
 Spore Trap  
 Tape Swab  
 Bulk

**REQUESTED SERVICE:**

BioCassette™ Andersen, 300565345  
 Water, Bulk, Dust, Soil, Co

Fung - Spore Trap Analysis	Spore Trap Analysis - Other particles	Direct Microscopic Exam (Qualitative)	Quantitative Spore Count Direct Exam	1-Media Surface Fungi (Genus ID + Aq. spp.)	2-Media Surface Fungi (Genus ID + Aq. spp.)	3-Media Surface Fungi (Genus ID + Aq. spp.)	Culturable Air Fungi (Genus ID + Aq. spp.)	Gram Stain and Counts (Culturable Air and Surface Bacteria)	Legionella culture	Tubal Culture, E.coli (Presence/Absence)	Membrane Filtration (Please specify organism)	MPN Bacteria (Please specify organism)	Quant Tray - Sewage Serum	Asbestos Analysis - PCM Airborne Fiber Count (NIOSH 7400)	Asbestos Analysis - PCM (EPA method 8460/1-93-116)	#Cl (please specify test)
X																
X																
X																
X																

**RECEIVED BY:** DRDP BOX EMAIL **DATE & TIME:** 7/30/09 7:15AM

SPANNBERG 7/30/09 7:15AM

7/28+29/09 F4, F11 AIR

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## EMLab P&K

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Report for:

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

---

Regarding: Project: 2372.02-572; DGS-BOE Floor 4 SW & SE  
EML ID: 565778

Approved by:

Lab Manager  
Malcolm Moody

Dates of Analysis:  
Spore trap analysis: 07-31-2009

Project SOPs: Spore trap analysis (I100000)

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

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

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

Client: LaCroix Davis, LLC  
 C/O: Mr. Chris Corpuz, Mr. Ted Ice  
 Re: 2372.02-572; DGS-BOE Floor 4 SW & SE

Date of Sampling: 07-30-2009  
 Date of Receipt: 07-31-2009  
 Date of Report: 07-31-2009

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

Location:	2372-730-F401: Exterior east floor 1		2372-730-F402: Floor 4 west wall containment		2372-730-F403: Floor 4 SW containment S		2372-730-F404: Floor 4 SW containment N	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	2509031-1		2509032-1		2509033-1		2509034-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	1	13						
Arthrinium								
Ascospores*	5	270						
Aureobasidium								
Basidiospores*	27	1,400	1	53				
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium	40	2,100	2	110			1	53
Curvularia								
Epicoccum					1	13		
Fusarium								
Myrothecium								
Nigrospora								
Oidium	2	27						
Other colorless								
Penicillium/Aspergillus types†	11	590						
Pithomyces								
Rusts*	1	13						
Smuts*, Periconia, Myxomycetes*	1	13						
Stachybotrys								
Stemphylium								
Torula	2	27						
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	2+		3+		2+		2+	
Hyphal fragments/m3	150		13		< 13		< 13	
Pollen/m3	13		< 13		< 13		< 13	
Skin cells (1-4+)	None		1+		1+		1+	
Sample volume (liters)	75		75		75		75	
<b>§ TOTAL SPORE/m3</b>		<b>4,500</b>		<b>160</b>		<b>13</b>		<b>53</b>

**Comments:**

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

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

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

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

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

§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.  
 TestAmerica Environmental Microbiology Laboratory, Inc.

Client: LaCroix Davis, LLC  
 C/O: Mr. Chris Corpuz, Mr. Ted Ice  
 Re: 2372.02-572; DGS-BOE Floor 4 SW & SE

Date of Sampling: 07-30-2009  
 Date of Receipt: 07-31-2009  
 Date of Report: 07-31-2009

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

Location:	2372-730-F406: Floor 4 SE containment N		2372-730-F407: Floor 4 SE containment S		2372-730-F405: Exterior east floor 1	
Comments (see below)	None		None		None	
Lab ID-Version‡:	2509035-1		2509036-1		2509037-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria					4	53
Arthrinium						
Ascospores*	1	53			3	160
Aureobasidium						
Basidiospores*					47	2,500
Bipolaris/Drechslera group						
Botrytis						
Chaetomium					2	27
Cladosporium					90	4,800
Curvularia						
Epicoccum						
Fusarium						
Myrothecium						
Nigrospora					1	13
Oidium						
Other colorless						
Penicillium/Aspergillus types†					5	270
Pithomyces						
Rusts*					1	13
Smuts*, Periconia, Myxomycetes*					8	110
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	2+		2+		2+	
Hyphal fragments/m3	< 13		< 13		210	
Pollen/m3	< 13		< 13		< 13	
Skin cells (1-4+)	1+		1+		None	
Sample volume (liters)	75		75		75	
<b>§ TOTAL SPORE/m3</b>		<b>53</b>		<b>&lt; 13</b>		<b>7,900</b>

**Comments:**

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

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

§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.  
 TestAmerica Environmental Microbiology Laboratory, Inc.

Client: LaCroix Davis, LLC  
 C/O: Mr. Chris Corpuz, Mr. Ted Ice  
 Re: 2372.02-572; DGS-BOE Floor 4 SW & SE

Date of Sampling: 07-30-2009  
 Date of Receipt: 07-31-2009  
 Date of Report: 07-31-2009

**MoldRANGE™: Extended Outdoor Comparison****Outdoor Location: 2372-730-F401, Exterior east floor 1**

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 %
<b>Generally able to grow indoors*</b>									
Alternaria	13	7	40	470	67	7	27	220	57
Bipolaris/Drechslera group	-	7	13	250	22	7	13	120	13
Chaetomium	-	7	13	120	16	7	13	120	19
Cladosporium	2,100	53	760	9,800	97	53	640	6,800	97
Curvularia	-	7	25	730	21	7	13	230	7
Nigrospora	-	7	13	170	14	7	13	170	8
Penicillium/Aspergillus types	590	27	210	2,600	83	33	210	2,500	86
Stachybotrys	-	7	13	370	4	7	13	290	5
Torula	27	7	13	160	15	7	13	150	12
<b>Seldom found growing indoors**</b>									
Ascospores	270	13	210	6,700	83	13	110	1,900	71
Basidiospores	1,400	13	360	22,000	94	13	210	7,000	93
Oidium	27	7	13	250	19	7	13	190	20
Rusts	13	7	13	240	24	7	13	250	28
Smuts, Periconia, Myxomycetes	13	7	53	1,900	79	8	40	490	70
<b>TOTAL SPORES/M3</b>	<b>4,453</b>								

† The Typical Outdoor Data by Date represents the typical outdoor spore levels across North America for the month indicated. The last column represents the frequency of occurrence. The low, medium, and high values represent the 2.5, 50, and 97.5 percentile values of the spore type when it is detected. For example, if the frequency of occurrence is 63% and the low value is 53, it would mean that the given spore type is detected 63% of the time and, when detected, 2.5% of the time it is present in levels above the detection limit and below 53 spores/m<sup>3</sup>. These values are updated periodically, and if enough data is not available to make a statistically meaningful assessment, it is indicated with a dash.

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

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

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

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Client: LaCroix Davis, LLC  
 C/O: Mr. Chris Corpuz, Mr. Ted Ice  
 Re: 2372.02-572; DGS-BOE Floor 4 SW & SE

Date of Sampling: 07-30-2009  
 Date of Receipt: 07-31-2009  
 Date of Report: 07-31-2009

**MoldRANGE™: Extended Outdoor Comparison****Outdoor Location: 2372-730-F405, Exterior east floor 1**

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 %
<b>Generally able to grow indoors*</b>									
Alternaria	53	7	40	470	67	7	27	220	57
Bipolaris/Drechslera group	-	7	13	250	22	7	13	120	13
Chaetomium	27	7	13	120	16	7	13	120	19
Cladosporium	4,800	53	760	9,800	97	53	640	6,800	97
Curvularia	-	7	25	730	21	7	13	230	7
Nigrospora	13	7	13	170	14	7	13	170	8
Penicillium/Aspergillus types	270	27	210	2,600	83	33	210	2,500	86
Stachybotrys	-	7	13	370	4	7	13	290	5
Torula	-	7	13	160	15	7	13	150	12
<b>Seldom found growing indoors**</b>									
Ascospores	160	13	210	6,700	83	13	110	1,900	71
Basidiospores	2,500	13	360	22,000	94	13	210	7,000	93
Oidium	-	7	13	250	19	7	13	190	20
Rusts	13	7	13	240	24	7	13	250	28
Smuts, Periconia, Myxomycetes	110	7	53	1,900	79	8	40	490	70
<b>TOTAL SPORES/M3</b>	<b>7,946</b>								

† The Typical Outdoor Data by Date represents the typical outdoor spore levels across North America for the month indicated. The last column represents the frequency of occurrence. The low, medium, and high values represent the 2.5, 50, and 97.5 percentile values of the spore type when it is detected. For example, if the frequency of occurrence is 63% and the low value is 53, it would mean that the given spore type is detected 63% of the time and, when detected, 2.5% of the time it is present in levels above the detection limit and below 53 spores/m<sup>3</sup>. 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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Phoenix, AZ: 1501 West Knudsen Drive, Phoenix, AZ 85027 • (800) 651-4802  
San Bruno, CA: 1150 Bayhill Drive, #109, San Bruno, CA 94066 • (866) 888-6653

**CONTACT INFORMATION**

Company: La Croix Davis  
Address: 3885 Mt. Diablo Blvd #210  
Special Instructions: Lafayette, CA 94504  
Contact: Chris Lopez, Tedica  
925-299-1140  
Phone: email company & Tice@lacroixdavis.com

**PROJECT INFORMATION**

Project ID: 2772-02-572  
Project Desc.: DGS - BOE Floor 4 SW & SE  
Project: Sampling  
Date & Time: 7/30/09 15:18  
Zip Code:  
PO Number:

**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 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.)
2372-730-F401	Exterior East Floor 1	ST	SD	75	15:35
2372-730-F402	Floor 4 West Wall Containment	ST	SD	75	16:12
2372-730-F403	Floor 4 SW Containment S	ST	SD	75	16:44
2372-730-F404	Floor 4 SW Containment N	ST	SD	75	16:51
2372-730-F405	<del>Exterior Floor 4</del>	ST	SD	75	19:00 (T.M.)
2372-730-F406	Floor 4 SE Containment N	ST	SD	75	17:28
2372-730-F407	Floor 4 SE Containment S	ST	SD	75	17:33
2372-730-F408	Exterior East Floor 1	ST	SD	75	18:03

**SAMPLE TYPE CODES**

BC - Bio Cassette  
A15 - Andersen  
SAS - Surface Air Sampler  
O - Other

T - Tape  
SW - Swab  
B - Bulk  
D - Dust  
W - Water  
SO - Soil

Relinquished by: Thomson DATE & TIME: 7/30/09 7:00

**WEATHER:** Fog: Rain: Snow: Wind: Clear

None: Light: Moderate: Heavy

Light: Moderate: Heavy

**REQUESTED SERVICE**

Non-Culturable: Type: Swab, Bulk

Culturable: Media: Andersen, Whisker, Bulk, Dust, Seal, C

000565778

7/30/09 F4 SW, SE AIR	PCR (Please specify test)	Asbestos 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	Culturable Air and Cores (Culturable Air and Surface Bacteria)	Culturable Air Fungus (Genus ID + Sp. spp.)	3-Media Surface Fungus (Genus ID + Sp. spp.)	2-Media Surface Fungus (Genus ID + Sp. spp.)	1-Media Surface Fungus (Genus ID + Sp. spp.)
X													
X													
X													
X													
X													
X													
X													

**RECEIVED BY:** [Signature] **DATE & TIME:** 7/30/09 8:00



**EMLab P&K**

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Report for:

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

---

Regarding: Project: 2372.02-572; BOE Floor 4  
EML ID: 566619

Approved by:

Lab Manager  
Malcolm Moody

Dates of Analysis:

Spore trap analysis: 08-04-2009

Project SOPs: Spore trap analysis (I100000)

---

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

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

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---

Client: LaCroix Davis, LLC  
C/O: Mr. Chris Corpuz, Mr. Ted Ice  
Re: 2372.02-572; BOE Floor 4Date of Sampling: 07-31-2009  
Date of Receipt: 08-03-2009  
Date of Report: 08-04-2009**SPORE TRAP REPORT: NON-VIABLE METHODOLOGY**

Location:	2372-731-F401: Exterior East Floor 1		2372-731-F402: Floor 4 NW P01 Inside Containment		2372-731-F403: Floor 4 NW P02 Inside Containment		2372-731-F404: Floor 4 NE P01 Inside Containment	
Comments (see below)	None		None		A		None	
Lab ID-Version‡:	2513469-1		2513470-1		2513471-1		2513472-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	5	67						
Arthrinium								
Ascospores*	6	320						
Aureobasidium								
Basidiospores*	21	1,100						
Bipolaris/Drechslera group								
Botrytis	1	13						
Cercospora	1	13						
Chaetomium								
Cladosporium	30	1,600						
Curvularia								
Epicoccum	1	13						
Fusarium								
Myrothecium								
Nigrospora	2	27						
Other colorless								
Penicillium/Aspergillus types†	11	590	1	53			1	53
Pithomyces								
Rusts*	2	27						
Smuts*, Periconia, Myxomycetes*	7	93						
Stachybotrys								
Stemphylium	1	13						
Torula								
Ulocladium	1	13						
Zygomycetes								
Background debris (1-4+)††	2+		1+		1+		2+	
Hyphal fragments/m3	150		< 13		< 13		< 13	
Pollen/m3	27		< 13		< 13		13	
Skin cells (1-4+)	< 1+		< 1+		< 1+		< 1+	
Sample volume (liters)	75		75		75		75	
<b>§ TOTAL SPORE/m3</b>		<b>3,900</b>		<b>53</b>		<b>&lt; 13</b>		<b>53</b>

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

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

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

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

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

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

§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.  
TestAmerica Environmental Microbiology Laboratory, Inc.

Client: LaCroix Davis, LLC  
C/O: Mr. Chris Corpuz, Mr. Ted Ice  
Re: 2372.02-572; BOE Floor 4Date of Sampling: 07-31-2009  
Date of Receipt: 08-03-2009  
Date of Report: 08-04-2009**SPORE TRAP REPORT: NON-VIABLE METHODOLOGY**

Location:	2372-731-F405: Floor 4 NE P02 Inside Containment		2372-731-F406: Floor 4 North Center Ambient		2372-731-F407: Exterior West Garage Roof	
Comments (see below)	None		None		B	
Lab ID-Version‡:	2513473-1		2513474-1		2513475-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria					1	13
Arthrinium						
Ascospores*					4	210
Aureobasidium						
Basidiospores*					15	800
Bipolaris/Drechslera group						
Botrytis						
Cercospora						
Chaetomium						
Cladosporium	1	53	1	53	47	2,100
Curvularia						
Epicoccum						
Fusarium						
Myrothecium						
Nigrospora						
Penicillium/Aspergillus types†	2	110			28	1,100
Pithomyces						
Rusts*						
Smuts*, Periconia, Myxomycetes*					3	40
Stachybotrys						
Stemphylium						
Torula					1	13
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	2+		2+		2+	
Hyphal fragments/m3	< 13		< 13		150	
Pollen/m3	< 13		13		< 13	
Skin cells (1-4+)	1+		< 1+		< 1+	
Sample volume (liters)	75		75		75	
<b>§ TOTAL SPORE/m3</b>		<b>160</b>		<b>53</b>		<b>4,200</b>

**Comments:** B) 11 of the raw count *Cladosporium* spores were present as a single clump. 11 of the raw count *Penicillium/Aspergillus* type spores were present as a single clump.

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

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

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

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

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

§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.  
TestAmerica Environmental Microbiology Laboratory, Inc.

Client: LaCroix Davis, LLC  
C/O: Mr. Chris Corpuz, Mr. Ted Ice  
Re: 2372.02-572; BOE Floor 4Date of Sampling: 07-31-2009  
Date of Receipt: 08-03-2009  
Date of Report: 08-04-2009**MoldRANGE™: Extended Outdoor Comparison****Outdoor Location: 2372-731-F401, Exterior East Floor 1**

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 %
<b>Generally able to grow indoors*</b>									
Alternaria	67	7	40	470	67	7	27	220	57
Bipolaris/Drechslera group	-	7	13	250	22	7	13	120	13
Chaetomium	-	7	13	120	16	7	13	120	19
Cladosporium	1,600	53	760	9,800	97	53	640	6,800	97
Curvularia	-	7	25	730	21	7	13	230	7
Epicoccum	13	7	20	280	32	7	13	160	19
Nigrospora	27	7	13	170	14	7	13	170	8
Penicillium/Aspergillus types	590	27	210	2,600	83	33	210	2,500	86
Stachybotrys	-	7	13	370	4	7	13	290	5
Stemphylium	13	7	13	53	7	7	13	67	9
Torula	-	7	13	160	15	7	13	150	12
Ulocladium	13	7	13	80	6	7	13	93	9
<b>Seldom found growing indoors**</b>									
Ascospores	320	13	210	6,700	83	13	110	1,900	71
Basidiospores	1,100	13	360	22,000	94	13	210	7,000	93
Botrytis	13	7	13	230	12	7	20	200	19
Cercospora	13	7	27	320	13	7	13	130	1
Rusts	27	7	13	240	24	7	13	250	28
Smuts, Periconia, Myxomycetes	93	7	53	1,900	79	8	40	490	70
<b>TOTAL SPORES/M3</b>	3,889								

Client: LaCroix Davis, LLC  
 C/O: Mr. Chris Corpuz, Mr. Ted Ice  
 Re: 2372.02-572; BOE Floor 4

Date of Sampling: 07-31-2009  
 Date of Receipt: 08-03-2009  
 Date of Report: 08-04-2009

**MoldRANGE™: Extended Outdoor Comparison****Outdoor Location: 2372-731-F407, Exterior West Garage 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 %
<b>Generally able to grow indoors*</b>									
Alternaria	13	7	40	470	67	7	27	220	57
Bipolaris/Drechslera group	-	7	13	250	22	7	13	120	13
Chaetomium	-	7	13	120	16	7	13	120	19
Cladosporium	2,100	53	760	9,800	97	53	640	6,800	97
Curvularia	-	7	25	730	21	7	13	230	7
Epicoccum	-	7	20	280	32	7	13	160	19
Nigrospora	-	7	13	170	14	7	13	170	8
Penicillium/Aspergillus types	1,100	27	210	2,600	83	33	210	2,500	86
Stachybotrys	-	7	13	370	4	7	13	290	5
Stemphylium	-	7	13	53	7	7	13	67	9
Torula	13	7	13	160	15	7	13	150	12
Ulocladium	-	7	13	80	6	7	13	93	9
<b>Seldom found growing indoors**</b>									
Ascospores	210	13	210	6,700	83	13	110	1,900	71
Basidiospores	800	13	360	22,000	94	13	210	7,000	93
Botrytis	-	7	13	230	12	7	20	200	19
Cercospora	-	7	27	320	13	7	13	130	1
Rusts	-	7	13	240	24	7	13	250	28
Smuts, Periconia, Myxomycetes	40	7	53	1,900	79	8	40	490	70
<b>TOTAL SPORES/M3</b>	<b>4,276</b>								

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  
 Re: 2372.02-572; BOE Floor 4

Date of Sampling: 07-31-2009  
 Date of Receipt: 08-03-2009  
 Date of Report: 08-04-2009

### **MoldRANGE™: Extended Outdoor Comparison**

† 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/m<sup>3</sup>. These values are updated periodically, and if enough data is not available to make a statistically meaningful assessment, it is indicated with a dash.

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

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

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

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.



Cherry Hill, NJ: 1936 Olney Avenue, Cherry Hill, NJ 08003 \* (866) 871-1984  
Phoenix, AZ: 1501 West Knudson Drive, Phoenix, AZ 85027 \* (800) 651-4802  
San Bruno, CA: 1150 Bayhill Drive, #100, San Bruno, CA 94066 \* (666) 888-6653

CONTACT INFORMATION

Company: La Croix Davis, LLC  
Address: 3685 Mt. Diablo #210 Lafayette, CA 94549  
Special Instructions: email Corcoran & Tice

PROJECT INFORMATION

Project ID: 2372-02-572  
Project Desc: 80E Floor 4  
Sampling Date & Time: 7/31/09 15-17  
Zip Code: \_\_\_\_\_  
PO Number: \_\_\_\_\_

TURN AROUND TIME CODES - (TAT)

STD - Standard (DEFAULT)  
ND - near 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.)
2372-731-F401	EXTERIOR EAST FLOOR	ST ND	ND	75	15:57
2372-731-F402	Floor 4 NW Pd 1 inside containment	ST ND	ND	75	16:10
2372-731-F403	Floor 4 NW Pd 2 inside containment	ST ND	ND	75	16:38
2372-731-F404	Floor 4 NE Pd 1 inside containment	ST ND	ND	75	16:49
2372-731-F405	Floor 4 NE Pd 2 inside containment	ST ND	ND	75	16:59
2372-731-F406	Floor 4 North Center Ambient	ST ND	ND	75	17:20
2372-731-F407	Exterior West Garage Roof	ST ND	ND	75	

SAMPLE TYPE CODES

BC - Bio-Cassette  
ATIS - Andersen  
SAS - Surface Air Sampler  
D - Other  
T - Tape  
D - Duct  
SW - Swab  
W - Water  
B - Bulk  
SO - Soil

RELINQUISHED BY

Theodore  
8-3-09 8:40

RECEIVED BY

Bamber Tisdan  
8/3/09 08:40

WEATHER	Fog	Rain	Snow	Wind	Clear
Level					
None					
Light					
Moderate					
Heavy					

Non-Culturable	Culturable	Other Requests
Spore Trap Tape Swab Bulk	BioCassette™ Andersen, SAS, Swab, Water, Bulk, Dust, Soil, Contact Plate	
Fungus - Spore Trap Analysis Spore Trap Analysis - Other particles Direct Microscopic Exam (Qualitative) Quantitative Spore Count Direct Exam	1-Media Surface Fungus (Genus ID + Aq. spp.) 2-Media Surface Fungus (Genus ID + Aq. spp.) 3-Media Surface Fungus (Genus ID + Aq. spp.) Culturable Air Fungus (Genus ID + Aq. spp.) Com Stain and Counts (Culturable Air and Surface Bacteria) Lignocellulose culture Total Coliform, E.coli (Presence/Absence) Membrane Filtration (Please specify organism) Mini Bacteria (Please specify organism) Quant. Tray - Storage Screen	Asbestos Analysis - PCM Airborne Fiber Count (NIOSH 7100) Asbestos Analysis - PLM (EPA method 600/4-93-114) PCR (Please specify test)



## EMLab P&K

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Report for:

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

---

Regarding: Project: 2372.02-572; Floor 4 Punch Out Windows  
EML ID: 566618

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): 08-04-2009

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

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

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

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

Client: LaCroix Davis, LLC  
 C/O: Mr. Chris Corpuz, Mr. Ted Ice  
 Re: 2372.02-572; Floor 4 Punch Out Windows

Date of Sampling: 07-31-2009  
 Date of Receipt: 08-03-2009  
 Date of Report: 08-04-2009

**DIRECT MICROSCOPIC EXAMINATION REPORT**  
 (Wet Mount)

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 2513461-1: Bulk sample 2372-731-01: Floor 4 NW PO 1 Rust Stain on Gyp Board Mud				
Wallboard	None	None	None	No mold spores detected
Lab ID-Version: 2513462-1: Bulk sample 2372-731-02: Floor 4 NW PO 1 Rust Stain on Gyp Board Mud				
Wallboard	None	None	None	No mold spores detected
Lab ID-Version: 2513463-1: Bulk sample 2372-731-03: Floor 4 NE PO 2 Rust Stain on Gyp Board Mud				
Wallboard	None	None	None	No mold spores detected

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



Cherry Hill, NJ: 1936 Olney Avenue, Cherry Hill, NJ 08003 \* (866) 871-1984  
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San Bruno, CA: 1130 Bayhill Drive, #100, San Bruno, CA 94066 \* (866) 888-6653

**CONTACT INFORMATION**

Company: *Lacrix Davis, LLC*  
Address: *3885 Mt Diablo #210 Lafayette, CA 94549*  
Special Instructions: *email copy to office*

Contact: *Chris Cooper, Ted Ice*  
Phone: *935-719-5842*

**PROJECT INFORMATION**

Project ID: *2372-02-572*  
Project Desc: *Floor 4 Punch Out Windows*  
Project: *Floor 4 NW PO*  
Sampling Date & Time: *7/31/09*  
Zip Code:  
PO Number:

**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.)
<i>2372-731-01</i>	<i>Floor 4 NW PO</i>	<i>B STD</i>			
<i>2372-731-02</i>	<i>Rust stain on Gypsum Mud</i>	<i>B STD</i>			
<i>2372-731-03</i>	<i>Floor 4 NW PO Gypsum Mud</i>	<i>B STD</i>			
<i>2372-731-04</i>	<i>Floor 4 NW PO Gypsum Mud</i>	<i>B STD</i>			

**SAMPLE TYPE CODES**

BC - BioCassette  
A15 - Andersen  
SAS - Surface Air Sampler  
D - Other

CP - Contact Plate  
T - Tape  
ST - Spore Trap: Zefon, Allergenco, Burkard

SW - Swab  
B - Bulk  
SO - Soil

D - Dust  
W - Water

RELINQUISHED BY: *Michael C*  
DATE & TIME: *8-3-09 8:50*

**WEATHER**

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

**LEAF**

Light	Moderate	Heavy
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**REQUESTED SERVICES (V Boxes) Eddy**

Non-Culturable	Culturable	Other Requests
Spore Trap Analysis - Other particles	1-Media Surface Fungi (Genus ID - Asp. spp.)	Asbestos Analysis - PCM Airborne Fiber Count (NIOSH 7400)
Spore Trap Analysis - Other particles	2-Media Surface Fungi (Genus ID - Asp. spp.)	Asbestos Analysis - PLM (EPA method 600/R-93-116)
Spore Trap Analysis - Other particles	3-Media Surface Fungi (Genus ID - Asp. spp.)	PCR (Please specify test)
Direct Microscope Exam (Qualitative)	Culturable Air Fungi (Genus ID - Asp. spp.)	
Direct Microscope Exam (Qualitative)	Gram Stain and Count (Culturable Air and Surface Bacteria)	
Direct Microscope Exam (Qualitative)	Logistic culture	
Direct Microscope Exam (Qualitative)	Total Cultures, Count (Presence/Absence)	
Direct Microscope Exam (Qualitative)	Membrane Filtration (Please specify organism)	
Direct Microscope Exam (Qualitative)	MAR Bacteria (Please specify organism)	
Direct Microscope Exam (Qualitative)	Quant Tray - Sewage Screen	
Quantitative Spore Count Direct Exam		

7/31/09 F4 PunchOuts

RECEIVED BY: *Brandon Dledon*  
DATE & TIME: *8/3/09 0850*



**EMLab P&K**

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Report for:

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

---

Regarding: Project: 2372.02-572; DGS-BOE Floor 4 W  
EML ID: 567182

Approved by:

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

Lab Manager  
Malcolm Moody

Dates of Analysis:

Spore trap analysis: 08-05-2009

Project SOPs: Spore trap analysis (I100000)

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

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

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

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Document Number: 200091 - Revision Number: 5

Client: LaCroix Davis, LLC  
C/O: Mr. Chris Corpuz, Mr. Ted Ice  
Re: 2372.02-572; DGS-BOE Floor 4 WDate of Sampling: 08-04-2009  
Date of Receipt: 08-04-2009  
Date of Report: 08-05-2009**SPORE TRAP REPORT: NON-VIABLE METHODOLOGY**

Location:	2372-804-F401: Exterior East Floor 1	2372-804-F402: Floor 4 Outside West Containment	2372-804-F403: Floor 4 Inside West Containment	2372-804-F404: Exterior East Floor 1	2372-804-F405: Field Blank	
Comments (see below)	None	None	None	A	None	
Lab ID-Version‡:	2515653-1	2515654-1	2515655-1	2515656-1	2515657-1	
	raw ct. spores/m3	raw ct. spores/m3	raw ct. spores/m3	raw ct. spores/m3	raw ct. spores/m3	
Alternaria	2 27		1 13	2 27		
Arthrinium						
Ascospores*						
Aureobasidium						
Basidiospores*	3 160	1 53		7 370		
Bipolaris/Drechslera group						
Botrytis						
Chaetomium				2 27		
Cladosporium	14 750			39 1,400		
Curvularia						
Epicoccum						
Fusarium						
Myrothecium						
Nigrospora						
Other colorless						
Penicillium/Aspergillus types†	5 270			2 110		
Pithomyces						
Rusts*				2 27		
Smuts*, Periconia, Myxomycetes*	8 110			15 200		
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	2+	2+	2+	2+	None	
Hyphal fragments/m3	< 13	13	13	93	N/A	
Pollen/m3	27	< 13	13	< 13	N/A	
Skin cells (1-4+)	< 1+	1+	1+	< 1+	None	
Sample volume (liters)	75	75	75	75	0	
<b>§ TOTAL SPORE/m3</b>		<b>1,300</b>	<b>53</b>	<b>13</b>	<b>2,100</b>	<b>N/A</b>

**Comments:** A) 18 of the raw count *Cladosporium* spores were present as a single clump.

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

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

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

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

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

§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.  
TestAmerica Environmental Microbiology Laboratory, Inc.

Client: LaCroix Davis, LLC  
 C/O: Mr. Chris Corpuz, Mr. Ted Ice  
 Re: 2372.02-572; DGS-BOE Floor 4 W

Date of Sampling: 08-04-2009  
 Date of Receipt: 08-04-2009  
 Date of Report: 08-05-2009

**MoldRANGE™: Extended Outdoor Comparison****Outdoor Location: 2372-804-F401, Exterior East Floor 1**

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 %
<b>Generally able to grow indoors*</b>									
Alternaria	27	7	40	560	68	7	27	220	57
Bipolaris/Drechslera group	-	7	13	270	26	7	13	120	13
Chaetomium	-	7	13	140	14	7	13	120	19
Cladosporium	750	53	800	12,000	97	53	640	6,800	97
Curvularia	-	7	27	840	30	7	13	230	7
Nigrospora	-	7	13	240	22	7	13	170	8
Penicillium/Aspergillus types	270	27	270	3,300	86	33	210	2,500	86
Stachybotrys	-	7	13	490	3	7	13	290	5
Torula	-	7	13	160	16	7	13	150	12
<b>Seldom found growing indoors**</b>									
Ascospores	-	13	210	5,500	83	13	110	1,900	71
Basidiospores	160	13	410	21,000	96	13	210	7,000	93
Rusts	-	7	20	320	28	7	13	250	28
Smuts, Periconia, Myxomycetes	110	7	53	1,000	77	8	40	490	70
<b>TOTAL SPORES/M3</b>	1,317								

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

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

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

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

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: 2372.02-572; DGS-BOE Floor 4 W

Date of Sampling: 08-04-2009  
 Date of Receipt: 08-04-2009  
 Date of Report: 08-05-2009

**MoldRANGE™: Extended Outdoor Comparison****Outdoor Location: 2372-804-F404, Exterior East Floor 1**

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 %
<b>Generally able to grow indoors*</b>									
Alternaria	27	7	40	560	68	7	27	220	57
Bipolaris/Drechslera group	-	7	13	270	26	7	13	120	13
Chaetomium	27	7	13	140	14	7	13	120	19
Cladosporium	1,400	53	800	12,000	97	53	640	6,800	97
Curvularia	-	7	27	840	30	7	13	230	7
Nigrospora	-	7	13	240	22	7	13	170	8
Penicillium/Aspergillus types	110	27	270	3,300	86	33	210	2,500	86
Stachybotrys	-	7	13	490	3	7	13	290	5
Torula	-	7	13	160	16	7	13	150	12
<b>Seldom found growing indoors**</b>									
Ascospores	-	13	210	5,500	83	13	110	1,900	71
Basidiospores	370	13	410	21,000	96	13	210	7,000	93
Rusts	27	7	20	320	28	7	13	250	28
Smuts, Periconia, Myxomycetes	200	7	53	1,000	77	8	40	490	70
<b>TOTAL SPORES/M3</b>	2,161								

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

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

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

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

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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

REQUESTED SERVICES (✓)  
Culturable  
BioCassette - Andersen, SAS, Swab, Water, Milk, Dust, Soil, Contact Plate

000567182

**CONTACT INFORMATION**  
Company: LaCrox Davis, LLC  
Address: 3085 Mt Diablo Blvd #210  
Special Instructions: To tape the, CA 94549  
Contact: Chris Corpuz & Ted Ice  
Phone: 925-299-1140  
email: ccorpuz@tice

**PROJECT INFORMATION**  
Project ID: 2372-02-572  
Project Desc.: DGS - BOE Floor 4 W  
Project: Sampling 8/4/09 14-15  
Zip Code:  
PO Number:

**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.)
2372-804-F401	Exterior East Floor 1	ST SD	SD	75	14:20
2372-804-F402	Floor 4 outside W. Containment	ST SD	SD	75	14:31
2372-804-F403	Floor 4 inside West Containment	ST SD	SD	75	14:40
2372-804-F404	Exterior East Floor 1	ST SD	SD	75	14:50
2372-804-F405	Field Blank	ST SD	SD	00	15:10

**SAMPLE TYPE CODES**

BC - BioCassette	CP - Contact Plate	T - Tape	D - Dust
A1S - Andersen	ST - Spore Trap: Zefon, Allergenco, Burkard	SW - Swab	W - Water
SAS - Surface Air Sampler	B - Bulk	SD - Bulk	SO - Soil
Q - Other:			

**RELINQUISHED BY:** Theodore Miller  
**DATE & TIME:** 8/4/09 16:00

**RECEIVED BY:** Brandon Stipan  
**DATE & TIME:** 8/4/09 @ 16:00

Non-Culturable	Spore Trap	Direct Microscopic Exam (Qualitative)	Quantitative Spore Count Direct Plate	1-Media Surface Fungi (Genus ID + Aq. spp.)	2-Media Surface Fungi (Genus ID + Aq. spp.)	3-Media Surface Fungi (Genus ID + Aq. spp.)	Culturable Air Fungi (Genus ID + Aq. spp.)	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)	Quant. Tray - Swage Screen	Asbestos Analysis - PCM Airborn Fibr Count (NIOSH 7400)	Asbestos Analysis - PLM (EPA method 600/R-93-116)	PCI (Please specify test)	Other Requisites
✓																	

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**EMLab P&K**

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Report for:

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

---

Regarding: Project: 2372.02-572; DGS-BOE Janitor Rooms  
EML ID: 577870

Approved by:



Lab Manager  
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 09-03-2009

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

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

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

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

Date of Submittal: 09-03-2009  
 Date of Receipt: 09-03-2009  
 Date of Report: 09-03-2009

**DIRECT MICROSCOPIC EXAMINATION REPORT**

(Wet Mount)

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 2562893-1: Tape sample 2372-901-F1001: Floor 10 janitor room				
Moderate	Very few	4+ <i>Ulocladium</i> species (spores, hyphae, conidiophores) 1+ Colorless spores typical of <i>Penicillium/Aspergillus</i> (spores, hyphae)	None	Mold growth
Lab ID-Version: 2562894-1: Tape sample 2372-901-F1002: Floor 10 janitor room				
Very Heavy	Very few	1+ <i>Penicillium</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 2562895-1: Tape sample 2372-901-F903: Floor 9 janitor room				
Very Heavy	Very few	1+ <i>Penicillium</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 2562896-1: Tape sample 2372-901-F904: Floor 9 janitor room				
Moderate	Very few	4+ <i>Alternaria</i> species (spores, hyphae, conidiophores) < 1+ <i>Cladosporium</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 2562897-1: Tape sample 2372-901-F805: Floor 8 janitor room				
Moderate	Very few	4+ <i>Stachybotrys</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 2562898-1: Tape sample 2372-902-F601: Floor 6 janitor room				
Very Heavy	Very few	None	Heavy amounts of dark amorphous particles detected, not biological in appearance.	Normal trapping
Lab ID-Version: 2562899-1: Tape sample 2372-902-F602: Floor 6 janitor room				
Very Heavy	Very few	None	Heavy amounts of dark amorphous particles detected, not biological in appearance.	Normal trapping
Lab ID-Version: 2562900-1: Tape sample 2372-902-F503: Floor 3 janitor room				
Very Heavy	Very few	None	Heavy amounts of dark amorphous particles detected, not biological in appearance.	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‡: 2562901-1: Tape sample 2372-902-F404: Floor 4 janitor room				
Heavy	Very few	4+ <i>Stachybotrys</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 2562902-1: Tape sample 2372-902-F305: Floor 3 janitor room				
Heavy	Very few	3+ <i>Stachybotrys</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 2562903-1: Tape sample 2372-902-F206: Floor 2 janitor room				
Very Heavy	Very few	None	Heavy amounts of dark amorphous particles detected, not biological in appearance.	Normal trapping

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

# CHAIN OF CUSTODY

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WEATHER		Fog	Rain	Snow	Wind	Clear
Name						
Light						
Moderate						
Heavy						

## REQUESTED SERVICES

Non-Culturable		Culturable	
Spore Trap		BioCassette™ Andersen, 5	000577870
Spore Trap Analysis		Water, Bulk, Dust, Soil, Cu	

**CONTACT INFORMATION**

Company: La Croix Davis  
 Address: 3085 Mt. Diablo Rd Lafayette CA 94549  
 Contact: Plum's Corp, Ted Lee, Andrew Steiner  
 Phone: 925-299-1140  
 Email: please email contacts

Sample ID	Description	Sample Type (Bio Lab)	TAT (Days)	Total Volume/Average (as applicable)	Notes (Time of day, Temp, RH, etc.)
2372-901	Floor 10 Janitor Room	T	SD		
2372-901	Floor 10 Janitor Room	T	SD		
2372-901	Floor 9 Janitor Room	T	SD		
2372-901	Floor 9 Janitor Room	T	SD		
2372-901	Floor 8 Janitor Room	T	SD		
2372-902	Floor 6 Janitor Room	T	SD		
2372-902	Floor 6 Janitor Room	T	SD		
2372-902	Floor 3 Janitor Room	T	SD		
2372-902	Floor 3 Janitor Room	T	SD		
2372-902	Floor 3 Janitor Room	T	SD		
2372-902	Floor 3 Janitor Room	T	SD		
2372-902	Floor 3 Janitor Room	T	SD		
2372-902	Floor 3 Janitor Room	T	SD		
2372-902	Floor 3 Janitor Room	T	SD		

**PROJECT INFORMATION**

Project ID: 2372-02-572  
 Project Dir: DGS-BOE Janitor Rooms  
 Project: Sampling 9/1 & 9/2/09  
 Zip Code: \_\_\_\_\_  
 PO Number: \_\_\_\_\_

**TURN AROUND TIMES CODES (TAT)**

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

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

Sample ID	Description	Sample Type (Bio Lab)	TAT (Days)	Total Volume/Average (as applicable)	Notes (Time of day, Temp, RH, etc.)
2372-901	Floor 10 Janitor Room	T	SD		
2372-901	Floor 10 Janitor Room	T	SD		
2372-901	Floor 9 Janitor Room	T	SD		
2372-901	Floor 9 Janitor Room	T	SD		
2372-901	Floor 8 Janitor Room	T	SD		
2372-902	Floor 6 Janitor Room	T	SD		
2372-902	Floor 6 Janitor Room	T	SD		
2372-902	Floor 3 Janitor Room	T	SD		
2372-902	Floor 3 Janitor Room	T	SD		
2372-902	Floor 3 Janitor Room	T	SD		
2372-902	Floor 3 Janitor Room	T	SD		
2372-902	Floor 3 Janitor Room	T	SD		
2372-902	Floor 3 Janitor Room	T	SD		
2372-902	Floor 3 Janitor Room	T	SD		
2372-902	Floor 3 Janitor Room	T	SD		

Sample ID	Description	Sample Type (Bio Lab)	TAT (Days)	Total Volume/Average (as applicable)	Notes (Time of day, Temp, RH, etc.)
2372-901	Floor 10 Janitor Room	T	SD		
2372-901	Floor 10 Janitor Room	T	SD		
2372-901	Floor 9 Janitor Room	T	SD		
2372-901	Floor 9 Janitor Room	T	SD		
2372-901	Floor 8 Janitor Room	T	SD		
2372-902	Floor 6 Janitor Room	T	SD		
2372-902	Floor 6 Janitor Room	T	SD		
2372-902	Floor 3 Janitor Room	T	SD		
2372-902	Floor 3 Janitor Room	T	SD		
2372-902	Floor 3 Janitor Room	T	SD		
2372-902	Floor 3 Janitor Room	T	SD		
2372-902	Floor 3 Janitor Room	T	SD		
2372-902	Floor 3 Janitor Room	T	SD		
2372-902	Floor 3 Janitor Room	T	SD		
2372-902	Floor 3 Janitor Room	T	SD		

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

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

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

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## EMLab P&K

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Report for:

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

---

Regarding: Project: 2372.02-572; DGS - BOE Janitor Room Floor 4  
EML ID: 582619

Approved by:

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

Lab Manager  
Malcolm Moody

Dates of Analysis:

Spore trap analysis: 09-20-2009

Project SOPs: Spore trap analysis (I100000)

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

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

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

Client: LaCroix Davis, LLC  
 C/O: Mr. Chris Corpuz, Mr. Ted Ice, Ms. Andrea Steinbach  
 Re: 2372.02-572; DGS - BOE Janitor Room Floor 4

Date of Sampling: 09-20-2009  
 Date of Receipt: 09-20-2009  
 Date of Report: 09-20-2009

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

Location:	2372-920-A05: Floor 4 Hall at Janitor Room		2372-920-A06: Floor 4 Janitor Room		2372-920-A07: Exterior Building NE	
Comments (see below)	None		A		B	
Lab ID-Version‡:	2583342-1		2583343-1		2583344-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria					4	53
Arthrinium						
Ascospores*					2	110
Aureobasidium						
Basidiospores*					52	2,800
Bipolaris/Drechslera group	1	13				
Botrytis					1	13
Chaetomium						
Cladosporium					98	4,300
Curvularia						
Epicoccum						
Fusarium						
Myrothecium						
Nigrospora					1	13
Other colorless						
Penicillium/Aspergillus types†					22	1,200
Pithomyces						
Rusts*	1	13				
Smuts*, Periconia, Myxomycetes*					23	310
Stachybotrys					1	13
Stemphylium						
Torula						
Ulocladium					1	13
Zygomycetes						
Background debris (1-4+)††	3+		2+		2+	
Hyphal fragments/m3	13		< 13		170	
Pollen/m3	40		< 13		450	
Skin cells (1-4+)	2+		< 1+		< 1+	
Sample volume (liters)	75		75		75	
<b>§ TOTAL SPORE/m3</b>		<b>27</b>		<b>&lt; 13</b>		<b>8,800</b>

**Comments:** A) No spores detected. B) 23 of the raw count *Cladosporium* spores were present as a single clump.

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

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

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

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

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

§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.  
 TestAmerica Environmental Microbiology Laboratory, Inc.

Client: LaCroix Davis, LLC  
 C/O: Mr. Chris Corpuz, Mr. Ted Ice, Ms. Andrea Steinbach  
 Re: 2372.02-572; DGS - BOE Janitor Room Floor 4

Date of Sampling: 09-20-2009  
 Date of Receipt: 09-20-2009  
 Date of Report: 09-20-2009

**MoldRANGE™: Extended Outdoor Comparison**  
**Outdoor Location: 2372-920-A07, Exterior Building NE**

Fungi Identified	Outdoor data	Typical Outdoor Data by Date†				Typical Outdoor Data by Location‡			
		Month: September				State: CA			
	spores/m3	low	med	high	freq %	low	med	high	freq %
<b>Generally able to grow indoors*</b>									
Alternaria	53	7	40	590	64	7	27	230	57
Bipolaris/Drechslera group	-	7	13	200	26	7	13	120	13
Chaetomium	-	7	13	120	14	7	13	120	19
Cladosporium	4,300	53	800	13,000	97	53	630	6,700	97
Curvularia	-	7	27	720	33	7	13	220	7
Nigrospora	13	7	20	270	27	7	13	170	8
Penicillium/Aspergillus types	1,200	27	270	3,300	84	33	210	2,500	85
Stachybotrys	13	7	13	260	3	7	13	280	5
Torula	-	7	13	130	15	7	13	150	12
Ulocladium	13	7	13	130	7	7	13	93	9
<b>Seldom found growing indoors**</b>									
Ascospores	110	13	210	5,200	83	13	110	1,900	71
Basidiospores	2,800	20	530	23,000	96	13	210	7,000	93
Botrytis	13	7	13	200	9	7	20	200	19
Rusts	-	7	27	440	32	7	13	260	28
Smuts, Periconia, Myxomycetes	310	7	53	840	79	8	40	490	70
<b>TOTAL SPORES/M3</b>	8,825								

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

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

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

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

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

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

**CONTACT INFORMATION**  
 Company: La Croix Davis, LLC  
 Address: 3885 Mt. Diablo #20 Lafayette, CA 94549  
 Special Instructions: 925.299.1140 / 925.719.5842 call email contacts

**PROJECT INFORMATION**  
 Project ID: 237A.02-572  
 Project Description: Phis - 80E Janitor Room Floor 4  
 Project: Phis  
 Date & Time: 9/20/09 11:00  
 PO Number: 925.299.1140

Sample ID	Description	Sample Type (Below)	TAT (Above)	Total Volume/Area (as applicable)	NOTES	
					Time of day	Temp, RH, etc.
2372-920-A05	Floor 4 Hall at Janitor Room	ST WH	75	75	10:55	only to Captain
2372-920-A06	Floor 4 Janitor Room	ST WH	75	75	11:03	in container
2372-920-A07	Exterior Building NE	ST WH	75	75	11:17	ext. blk

SAMPLE TYPE CODES		TURN AROUND TIME CODES (TAT)	
ST - Spore Trap: Zelon, Allergenco, Burkard...	D - Dust	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 requests.
SW - Swab	SO - Soil	ND - Non-Business Day	
B - Bulk		SD - Same Business Day Rush	
NP - Non-Portable Wafer	O - Other:	Weekend/Holiday	

REQUESTED SERVICES		Culturable
Non-Culturable		
Spore	Tape	BioCassette - Andersen, SAS, Swab...
Trap	Swab	Water, Bulk, Duv, Soil, Contact Plate
	Bulk	

Non-Culturable	Culturable	DATE & TIME
Fungi - Spore Trap Analysis		
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.)		
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)		
Quarantary - 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>Brandon Fleck</u>	<u>9/20/09 1520</u>



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## EMLab P&K

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Report for:

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

---

Regarding: Project: 2372.02-572; Floor 11 and Floor 4  
EML ID: 590465

Approved by:

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

Lab Manager  
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 10-14-2009

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

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

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

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

Client: LaCroix Davis, LLC  
 C/O: Mr. Chris Corpuz, Mr. Ted Ice, Ms. Andrea  
 Steinbach  
 Re: 2372.02-572; Floor 11 and Floor 4

Date of Sampling: 10-08-2009  
 Date of Receipt: 10-13-2009  
 Date of Report: 10-14-2009

**DIRECT MICROSCOPIC EXAMINATION REPORT**

(Wet Mount)

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 2617447-1: Tape sample 2372-F008-F405: Floor 4 Women's NE Plenum NE Sidewall				
Moderate	Very few	4+ <i>Alternaria</i> species (spores, hyphae, conidiophores) 3+ <i>Cladosporium</i> species (spores, hyphae, conidiophores) < 1+ <i>Aspergillus</i> species (spores, hyphae, conidiophores)	None	Mold growth

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

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 (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: 2372.02-572; Floor 11 and Floor 4

Date of Sampling: 10-08-2009  
 Date of Receipt: 10-13-2009  
 Date of Report: 10-14-2009

**DIRECT MICROSCOPIC EXAMINATION REPORT**

(Wet Mount)

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 2617445-1: Tape sample 2372-1008-F1103: Floor 11 Women's - Plenum NE Up Deck				
Heavy	Very few	4+ <i>Alternaria</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 2617446-1: Tape sample 2372-1008-F1104: Floor 11 Women's - Plenum Ceiling				
Heavy	Few	None	None	Normal trapping

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



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



REQUESTED SERVICES  
Culturable

Bio-Cassette: Andersen, S/S, Swab, Water, Bulk, Dust, Soil, Contact Plate

OTHER REQUESTS

**CONTACT INFORMATION**  
 Company: LaCrot & Davis, LLC  
 Address: 3685 Mt. Diablo Blvd Suite 210 Lafayette, CA 94549  
 Special Instructions: separate reports for floor 11 and floor 4 email contacts  
 Contact: Chris Cooper, Tedice, Andrea Stembach  
 Phone: 925.299.1140

**PROJECT INFORMATION**  
 Project ID: 2372.02-572  
 Project Desc: Floor 11 and Floor 4  
 Project: Sampling  
 Zip Code: 9408109  
 PO Number:

**TURN AROUND TIME CODES - (TAT)**  
 STD - Standard (DUE AUL) 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.)
2372-1008-F1103	Floor 11 Women's Plenum NE updeck	T	ND	⊖	
2372-1008-F1104	Floor 11 Women's Plenum ceiling	T	ND	⊖	
<b>SEPARATE REPORT</b>					
2372-1008-F405	Floor 4 Women's NE Plenum NE Sidewalk	T	ND	⊖	

SAMPLE TYPE CODES	RELINQUISHED BY	DATE & TIME
BC - BioCassette AT - Andersen SAS - Surface Air Sampler O - Other	Thomson	10/13/09 7:30
CP - Contact Plate ST - Spore Trap Z - Zefon, Allegretto, Burkard		
D - Dust W - Swab B - Bulk SO - Soil		

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

RECEIVED BY	DATE & TIME
Drop box Brandon Dedan	10/13/09 8:00

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## EMLab P&K

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Report for:

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

---

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

Approved by:

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

Lab Manager  
Malcolm Moody

Dates of Analysis:

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

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

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

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

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

**DIRECT MICROSCOPIC EXAMINATION REPORT**

(Wet Mount)

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

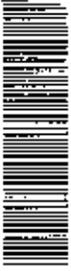
Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 2669918-1: Tape sample 2372-1112-FS19T07: F19 Water Stain W				
Very Heavy	Very few	None	Moderate amounts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

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

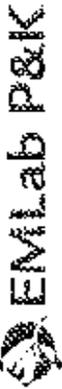
Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 2669937-1: Tape sample 2372-1113-FS1T26: FS1 VMG N				
Heavy	Very few	4+ <i>Gliomastix</i> -like species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

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





000602123



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

WEATHER			
None	Fog	Rain	Snow
Light			Wind
Moderate			Clear
Heavy			

**CONTACT INFORMATION**

Company: LCD  
 Address: Lafayette  
 Special Instructions: none

**PROJECT INFORMATION**

Project ID: 237207-572  
 Project Desc: D65 DOE Fire Sprinkler CAB  
 Project: Sampling  
 Date & Time: 11/13/09  
 Zip Code: 92562-1140  
 PO Number:

Sample ID	Description	Sample Type (See Below)	Status (Tape)	Volume/Area (As applicable)	Notes
2372-112-FS14T2	VMG-5 Support	T	ND		
2372-112-FS15T4	F15 VMG Support	T	ND		
2372-112-FS14T15	F14 VMG NW	T	ND		
2372-113-FS11T6	F11 Water Stain	T	ND		
2372-113-FS10T7	F10 VMG NW	T	ND		
2372-113-FS9T18	F9 VMG	T	ND		
2372-113-FS8T19	F8 VMG W	T	ND		
2372-113-FS7T20	F7 Water Stain W	T	ND		
2372-113-FS6T21	F6 VMG	T	ND		
2372-113-FS5T22	F5 Water Stain W	T	ND		
2372-113-FS4T23	F4 Water Stain W	T	ND		
2372-113-FS3T24	F3 VMG SW	T	ND		

**SAMPLE TYPE CODES**

BC - BioCassette  
 AT5 - Andersen  
 SAS - Surface Air Sampler  
 CP - Contact Plate

ST - Spore Trap; Zefon, Allergence, Bardard...  
 P - Potable Water  
 NP - Non-Potable Water

T - Tape  
 SW - Swab  
 B - Bulk

D - Dust  
 SO - Soil  
 O - Other

RECEIVED BY: Chris Miller DATE/TIME: 11/13/09 10:07

DELIVERED BY: BRANDON DUGAN DATE/TIME: 11/16/09 06:35

Non-Culturable		Culturable	
Spore Trap	Tape Swab Bulk	Spore Trap	Tape Swab Bulk
Fungi - Spore Trap Analysis	Direct Microscopic Exam (Qualitative)	1-Media Surface Fungi (Genus ID + Sp. spp.)	1-Media Surface Fungi (Genus ID + Sp. spp.)
Spore Trap Analysis - Other particles	Quantitative Spore Count Direct Exam	2-Media Surface Fungi (Genus ID + Sp. spp.)	2-Media Surface Fungi (Genus ID + Sp. spp.)
		3-Media Surface Fungi (Genus ID + Sp. spp.)	3-Media Surface Fungi (Genus ID + Sp. spp.)
		Culturable Air Fungi (Genus ID + Sp. spp.)	Culturable Air Fungi (Genus ID + Sp. spp.)
		Gram Stain and Counts (Countable Air and Surface Bacteria)	Gram Stain and Counts (Countable 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)
		Quantitray - Sewage Screen	Quantitray - Sewage Screen
		Asbestos Analysis - PCM Airborne Fiber Count (NIOSH 7400)	Asbestos Analysis - PCM Airborne Fiber Count (NIOSH 7400)
		Asbestos Analysis - PLM (EPA method 600/R-93-116)	Asbestos Analysis - PLM (EPA method 600/R-93-116)
		PCR (Please specify test)	PCR (Please specify test)

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**CHAIN OF CUSTODY** **EMLab P&K**  
www.EMLabPK.com

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

**REQUESTED SERVICES (BY BOX)**

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

WEATHER		Fog	Rain	Snow	Wind	Clear
Name						
Light						
Moderate						
Heavy						

**CONTACT INFORMATION**

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

**PROJECT INFORMATION**

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

**TURN AROUND TIME CODES (TAT)**

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

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

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

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

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# EMSL Analytical, Inc.

2235 Polvorosa Ave , Suite 230 San Leandro, CA 94577

Phone: (510) 895-3675 Fax: (510) 895-3680 Web: <http://www.emsl.com> Email: [milpitaslab@emsl.com](mailto:milpitaslab@emsl.com)

**Attn:** Ted Ice  
LaCroix Davis, LLC  
1625 Creekside Drive, Suite 200,  
Folsom, CA 95630

EMSL Order: 090909464  
Customer ID: +LAC1009  
Collected: 11/21/2009  
Received: 11/21/2009  
Analyzed: 11/21/2009

**Proj:** 2372.03-572

## Test Report: Air-O - Cell™ Analysis of Fungal Spores & Particulates by Optical Microscopy (EMSL Method 05-TP-003)

Lab Sample Number:	090909464-0001			090909464-0002			090909464-0003		
Client Sample ID:	2372.1121.F4A01			2372.1121.F4A02			2372.1121.F4A03		
Volume (L):	75			75			75		
Sample Location:	Exterior East			Floor 4 Ambient			Floor 4 Containment		
Spore Types	Raw Count	Count/m <sup>3</sup>	% of Total	Raw Count	Count/m <sup>3</sup>	% of Total	Raw Count	Count/m <sup>3</sup>	% of Total
Alternaria	-	-	-	-	-	-	-	-	-
Ascospores	6	253	14.7	-	-	-	-	-	-
Aspergillus/Penicillium	1	42	2.4	1	42	50	-	-	-
Basidiospores	26	1100	64	1	42	50	-	-	-
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	7	295	17.2	-	-	-	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	-	-	-
Pithomyces	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis	-	-	-	-	-	-	-	-	-
Stachybotrys	-	-	-	-	-	-	-	-	-
Torula	-	-	-	-	-	-	-	-	-
Ulocladium	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Nigrospora	2*	27*	1.6	-	-	-	-	-	-
Stemphylium	-	-	-	-	-	-	-	-	-
<b>Total Fungi</b>	<b>42</b>	<b>1720</b>	<b>100</b>	<b>2</b>	<b>84</b>	<b>100</b>	-	<b>None Detected</b>	-
Hyphal Fragment	1	42	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	4	169	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	42	-	-	42	-	-	42	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	1	-	-	1	-	-	1	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	2	-	-	2	-	-	2	-

Bipolaris++ = Bipolaris/Dreschlera/Exserohilum

Myxomycetes++ = Myxomycetes/Periconia/Smut

No discernable field blank was submitted with this group of samples.

Samples analyzed by EMSL Analytical, Inc San Leandro 2235 Polvorosa Ave , Suite 230, San Leandro CA

High levels of background particulate can obscure spores and other particulates leading to underestimation. Background levels of 5 indicate an overloading of background particulates, prohibiting accurate detection and quantification. Present = Spores detected on overloaded samples. The detection limit is equal to one fungal spore, structure, pollen, fiber particle or insect fragment. \*\*\* Denotes particles found at 300X. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples received in good condition unless otherwise noted.

Subu Thiagarajan  
Microbiology Lab Manager

For Information on the fungi listed in this report please visit the Resources section at [www.emsl.com](http://www.emsl.com)



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2235 Polvorosa Ave , Suite 230 San Leandro, CA 94577

Phone: (510) 895-3675 Fax: (510) 895-3680 Web: <http://www.emsl.com> Email: [milpitaslab@emsl.com](mailto:milpitaslab@emsl.com)

**Attn:** Ted Ice  
LaCroix Davis, LLC  
1625 Creekside Drive, Suite 200,  
Folsom, CA 95630

EMSL Order: 090909464  
Customer ID: +LAC1009  
Collected: 11/21/2009  
Received: 11/21/2009  
Analyzed: 11/21/2009

**Proj:** 2372.03-572

## Test Report: Air-O - Cell(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (EMSL Method 05-TP-003)

Lab Sample Number:	090909464-0004				
Client Sample ID:	2372.1121.F4A04				
Volume (L):	75				
Sample Location:	Exterior South				
Spore Types	Raw Count	Count/m <sup>3</sup>	% of Total		
Alternaria	-	-	-		
Ascospores	7	295	20.2		
Aspergillus/Penicillium	2	84	5.8		
Basidiospores	21	886	60.7		
Bipolaris++	-	-	-		
Chaetomium	-	-	-		
Cladosporium	4	169	11.6		
Curvularia	-	-	-		
Epicoccum	1*	13*	0.9		
Fusarium	-	-	-		
Ganoderma	-	-	-		
Myxomycetes++	-	-	-		
Pithomyces	-	-	-		
Rust	-	-	-		
Scopulariopsis	-	-	-		
Stachybotrys	-	-	-		
Torula	-	-	-		
Ulocladium	-	-	-		
Unidentifiable Spores	-	-	-		
Zygomycetes	-	-	-		
Nigrospora	-	-	-		
Stemphylium	1*	13*	0.9		
<b>Total Fungi</b>	<b>36</b>	<b>1460</b>	<b>100</b>		
Hyphal Fragment	-	-	-		
Insect Fragment	-	-	-		
Pollen	-	-	-		
Analyt. Sensitivity 600x	-	42	-		
Analyt. Sensitivity 300x	-	13*	-		
Skin Fragments (1-4)	-	1	-		
Fibrous Particulate (1-4)	-	1	-		
Background (1-5)	-	2	-		

Bipolaris++ = Bipolaris/Dreschlera/Exserohilum

Myxomycetes++ = Myxomycetes/Periconia/Smut

No discernable field blank was submitted with this group of samples.

Samples analyzed by EMSL Analytical, Inc San Leandro 2235 Polvorosa Ave , Suite 230, San Leandro CA

High levels of background particulate can obscure spores and other particulates leading to underestimation. Background levels of 5 indicate an overloading of background particulates, prohibiting accurate detection and quantification. Present = Spores detected on overloaded samples. The detection limit is equal to one fungal spore, structure, pollen, fiber particle or insect fragment. "\*" Denotes particles found at 300X. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples received in good condition unless otherwise noted.

Subu Thiagarajan  
Microbiology Lab Manager

For Information on the fungi listed in this report please visit the Resources section at [www.emsl.com](http://www.emsl.com)



EMSL Analytical, Inc.  
107 Haddon Ave., Westmont, NJ 08108  
856-858-4800

**MICROBIOLOGY—CHAIN OF CUSTODY**

<b>Company:</b> La Croix Davis, LLC	<b>Contact:</b> C. Corpuz, T. Ice	<b>Phone:</b> 925.299.1140
<b>Address:</b> 3085 Mt. Diablo Blvd #210 La Fayette, CA 94549	<b>Bill to:</b> Same	<b>Fax:</b>
		cell: 925.719.5842
		<b>E-mail:</b> ccorpuz@lacroixdavis.com tice@lacroixdavis.com
<b>Proj. #:</b> 2372.03-572		
<b>Project Name:</b> DGS-BDE Floor 4	<b>Date Collected:</b> 11/21/09	<b>Date Sent:</b> 11/21/09

Sample #	Sample Type	Air volume (L), area (ins.sq)	Sample location	Analysis requested (1)	Turn Around time (2)	Comments
2372-1121-F4A01	Spore trap	75 (L)	Exterior East	M001	3hr	Please call cell
2372-1121-F4A02	Spore trap	75 L	Floor 4 Ambient	M001	3hr	w/ results
2372-1121-F4A03	Spore trap	75 L	Floor 4 Containment	M001	3hr	925.719.5842
2372-1121-F4A04	Spore trap	75 L	Exterior South	M001	3hr	

**(2) TURN AROUND TIME** If turn around time is not chosen standard turn around time applies (6 + DAYS)

Applies to total fungal spore count, fungi by direct examination and endotoxin analysis.

<input checked="" type="radio"/> 3 hour	<input type="radio"/> 6 hour	<input type="radio"/> 24 hour	<input type="radio"/> 48 hour	<input type="radio"/> 72 hour	<input type="radio"/> 4 day	<input type="radio"/> 5 day	<input type="radio"/> 6+days
---	------------------------------	-------------------------------	-------------------------------	-------------------------------	-----------------------------	-----------------------------	------------------------------

**(1) TYPES OF ANALYSES**

M001 Total Fungal Spore count Air-O-Cell	M015 Heterotrophic Plate Count
M002 Total Fungal Spore count Cyclex-D	M017 Total Coliform (Presence or Absence)P/A
M003 Total Fungal Spore count Burkard	M018 Total Coliform (Membrane Filtration Tech.)MFT
M004 Total Fungal Spore count Allergengo	M019 Fecal Coliform (MFT.)
M042 Total Fungal Spore count Laro	M020 Fecal Streptococcus (MFT)
M043 Total Fungal Spore count Cyclex	M021 E.Coli (P/A)
M041 Fungi, Direct Exam	M022 E.Coli (MFT)
M005 Viable Fungi ID and Count	M023 Legionella
M006 Viable Fungi ID and Count W/Group Speciation	M025 Sewage Screen
M007 Culturable Fungi	M026 Recreational Water
M008 Cultureable Fungi W/Group Speciation	M027 Mycotoxin Analysis
M009 Bacterial Count & Gram Stain	M028 Cryptococcus Neoformans
M010 Bacterial Count and ID 3 Most Prominent	M033-39 Allergen testing
M011 Bacterial Count & Speciation	(please specify allergen(s) to be tested)
M013 Sewage Contamination in Buildings	M044 Group allergen test
M012 Pseudomonas aeruginosa analysis	M045 Cryptosporidium and Giardia
M014 Endotoxin Analysis	

Pg 1 of 1

Relinquished by Theonice Date: 11/21/09 Time: \_\_\_\_\_  
 Received by Sub Date: 11/21 Time: 5:45 pm

EMSL.COC.Ver3.0 Relinquished by \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Received by \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_