



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

**Monthly Air Monitoring Report**  
**June 2012**

*Project No. 2372.02-572*



**Prepared for:**

California Department of General Services  
707 Third Street, 3-305  
Sacramento, California 95605

**Prepared by:**

Chris Corpuz, MS, CIH  
Senior Manager  
LaCroix Davis LLC

**Report Date:**

July 18, 2012



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## 1.0 Introduction

On July 2, 2008, LaCroix Davis LLC (LCD) was contracted by the State of California, Department of General Services (DGS), Real Estate Services, Project Management Branch (RES, PMB) to provide building and environmental forensic services at the Board of Equalization (BOE) building located at 450 N Street, Sacramento, California. The BOE building was substantially completed in December 1992 and has experienced a variety of water-related events throughout its history.

On September 30, 2011, LCD's original contract was amended by Contract Amendment 3126150 Am. 7 to include the following Monthly Air Monitoring activity:

“Contractor shall provide monthly (once per month) air monitoring of the building during that portion of the day in which the building HVAC system is fully-operational. Eleven (11) floors will be monitored per month starting with the even-numbered floors on the first month that monthly air monitoring starts, and then switching to the odd-numbered floors on the following month. Switching between even and odd-numbered floors will continue during successive months; resulting in a total of 12 sampling events throughout a 12-month period: six (6) sampling events on even-numbered floors and six (6) sampling events on odd-numbered floors.”

The DGS and BOE industrial hygienists (IH) agreed on the following approach for the monthly air monitoring for each team:

- Collection of three (3) samples per tenant floor (33 total) and three (3) outdoor samples;
- Sample analysis by Polymerase Chain Reaction (PCR) for custom *Cladosporium* panel and PCR-23 important indoor molds using laboratory standard turn-around times unless directed to do otherwise by DGS.

The IHs proposed a re-occurring air sampling date and submitted it to BOE for approval; BOE has approved the last Friday of every month for the monthly air monitoring. BOE notified the Building Security that the IHs will require escorts onto secure floors in order to install sampling pumps.

The LCD field project team is staffed by personnel from various LCD offices under the project management of Mr. Chris Corpuz, Senior Manager.

## 2.0 Air Monitoring

On behalf of DGS, the LCD team performed air monitoring in accordance with the Monthly Air Monitoring Schedule and Revised Protocol (Attachment A) on June 29, 2012. During that time, the building HVAC system operated from 5:00 AM to 6:00 PM on all floors with the exception of Floor 4 which operated from 5 AM to 8 PM and Floor 22 which operated from 5 AM to 9 PM. Therefore, the sampling window was from 4:00 AM to 7:00 PM for sample set-up and three rounds of sampling on each floor. (The actual sampling window will be changed as seasonal adjustments are made to the HVAC system operating window.)

LCD collected three (3) air samples on each of the eleven (11) odd-numbered floors designated for the June monitoring. Each air sample was drawn over approximately 3 hours. The first sample was started at 5:05 AM, the last (third) sampling event ended by 5:30 PM. A target sample rate of seven (7) liters per minute (LPM) was used.

LCD also collected a total of three (3) exterior/outdoor samples; one (1) sample was taken per sampling period. In addition, one (1) field blank was submitted for analysis.

A total of 33 interior samples, three (3) exterior samples, and one (1) field blank were submitted under chain-of-custody to the laboratory and analyzed for PCR – Cladosporium (custom panel). The exterior samples, the field blank, and one third of the interior samples were also analyzed for PCR-23 Important Indoor Molds. One pump malfunctioned during sampling on Floor 17 rendering the sample invalid. The analytical results are summarized in Table 1. The lab reports are included in Appendix B, Lab Reports.

The Mechanical Floor, the Penthouse Floor, and the core sampling ports on Floors 2 and 21 are not part of the monthly monitoring schedule. At the direction of the DGS management team, samples from these areas may be added to the regular schedule. However, no indoor air samples were added and collected from either one of these locations during this monthly monitoring event in June 2012.

To demonstrate any seasonal changes within the HVAC duct interiors, surface microvac samples – not part of the regular sampling project schedule – may be added to the regular schedule. However, no microvac samples were collected during the monthly monitoring event in June 2012.

### **3.0 Findings**

In general, the indoor air samples indicated spore equivalents per cubic meter (SE/m<sup>3</sup>) below background concentrations detected in outdoor samples. Besides the four detected Cladosporium species, only three (3) other species total were detected in the indoor samples. At one location on Floor 11 Southwest, the sample indicated the presence of one (1) SE/m<sup>3</sup> of *Penicillium chrysogenum*, whereas this species was not detected in the background samples. *Cladosporium sphaerospermum* was detected in seven (7) indoor samples from Floors 1, 3, 11, 17, 19, and 23 but not in any of the outdoors samples. The species was detected at only one (1) SE/m<sup>3</sup> in all of the 7 samples.

All detected concentrations are considered low. Low SE/m<sup>3</sup> values can be an indication of mold debris and do not necessarily indicate the presence of mold spores. The monthly air monitoring performed between December 2011 and June 2012 has detected exterior *Cladosporium sphaerospermum* spores in six (6) out of the seven (7) sampling events. Based on historical monitoring of these areas, the detections appear to be isolated events and unremarkable, but will be checked against future samples collected in these areas.

Based on the June 2012 monitoring results, molds detected in the HVAC ducts do not appear to have impacted the air quality of the office spaces.

#### 4.0 Limitations and Qualifications

The assessment performed by LCD does not include or cover the following matters: Matters that are subsequently discovered that could not have been reasonably foreseen or detected, using industry standards, during the performance of the assessment; matters that could not have been discovered by LCD because of barriers, lack of access or other matters affecting accessibility; matters that were not disclosed to LCD prior to, during, or after the performance of the assessment; any new deficiency that arose after the completion of the assessment by LCD.

To the extent that additional information becomes available to LCD, LCD reserves the right (without any obligation to do so) to modify its evaluation and/or this report at any time, based upon further review and analysis of any such additional information or data.

Certain items mentioned in the report were performed by others not involving the supervision of, or management by, LCD, but were relied upon by LCD in making its evaluation and assessment.

The assessment performed by LCD is not meant or intended to supplement, modify, or extinguish any warranty or representation made or given by third parties performing any of the recommended corrective work.

When consultation involves microbiological growth, or any assessment thereof, such microbiological growth may reoccur if the source of the growth is not remedied. All remediation of fungi in indoor environments can be inherently limited in the sense that conclusions are drawn and recommendations developed from information obtained from limited research and site evaluation. Except as may be noted in the assessment performed by LCD, subsurface areas, latent defects, or non-accessible areas and conditions were not field investigated and may differ from the conditions implied by the surface observations. Additionally, the passage of time may result in a change in the environmental characteristics at the subject property and the surrounding properties. No investigation or assessment can absolutely rule out the existence of any microbiological growth at any given site. LCD does not remediate or remedy sources of microbiological growth.

This Report and the assessment/survey conducted by LCD is prepared, and was performed, solely for the use and benefit of the client identified at the beginning of this report. No other party may rely on this report for any other purpose.

Report prepared by,



Chris Corpuz, MS, CIH  
Senior Manager  
LaCroix Davis LLC

Report reviewed by,



Stephen C. Davis, MPH, CIH  
Principal  
LaCroix Davis LLC

# TABLES

**Table 1 - June 2012 Air Monitoring Results**  
Board of Equalization Building, Sacramento

Location	Sample Number	PCR - Custom Panel Cladosporium						PCR - 23 Important Indoor Molds (Only species detected indoors this month are listed.)							
		<i>Cladosporium sphaerospermum</i>		<i>Cladosporium herbarum</i>		<i>Cladosporium cladosporioides II</i>		<i>Cladosporium cladosporioides I</i>		<i>Aspergillus fumigatus</i>		<i>Penicillium brevicompactum</i>		<i>Penicillium chrysogenum</i>	
		SE	SE/m <sup>3</sup>	SE	SE/m <sup>3</sup>	SE	SE/m <sup>3</sup>	SE	SE/m <sup>3</sup>	SE	SE/m <sup>3</sup>	SE	SE/m <sup>3</sup>	SE	SE/m <sup>3</sup>
Floor 23, Elevator Lobby	2372-62912-P12	ND	<1	1	1	1	1	13	9						
Floor 23 Core Room	2372-62912-P23	ND	<1	1	1	1	1	1	1	1	1	ND	<2	ND	<1
Floor 23 W	2372-62912-P35	1	1	1	1	ND	<1	21	16						
Floor 21, CoreHall SW	2372-62912-P11	ND	<1	1	1	ND	<1	17	14	ND	<1	ND	<2	ND	<1
Floor 21 W	2372-62912-P22	ND	<1	ND	<1	1	1	9	7	ND	<1	ND	<2	ND	<1
Floor 21 N	2372-62912-P34	ND	<1	1	1	ND	<1	ND	<1	ND	<1	ND	<3	ND	<1
Floor 19, Core Hall NE	2372-62912-P10	ND	<1	1	1	ND	<1	ND	<1						
Floor 19 SE	2372-62912-P21	ND	<1	ND	<1	1	1	6	5						
Floor 19 NW	2372-62912-P33	1	1	1	1	ND	<1	4	4						
Floor 17, Elevator Lobby	2372-62912-P09	1	1	1	1	ND	<1	33	16						
Floor 17 SW	2372-62912-P20	ND	<1	ND	<1	1	1	2	2						
Floor 17 N*, void sample	2372-62912-P32	ND*	<1*	ND*	<1*	ND*	<1*	ND*	<1*						
Floor 15, Core Hall NE	2372-62912-P08	ND	<1	1	1	ND	<1	ND	<1						
Floor 15 SW	2372-62912-P19	ND	<1	ND	<1	ND	<1	13	10	ND	<1	ND	<2	ND	<1
Floor 15 NE	2372-62912-P31	ND	<1	ND	<1	1	1	2	1						
Floor M, Exterior OA S	2372-62912-P24	ND	<1	96	65	22	15	930	630	58	39	73	49	ND	<1
Floor M, Exterior OA N	2372-62912-P36	ND	<1	730	380	57	30	3,000	1,600	39	20	22	12	ND	<1
Floor 11, Core Hall SW	2372-62912-P07	1	1	2	2	1	1	51	42	ND	<1	8	7	ND	<1
Floor 11 SW	2372-62912-P18	1	1	3	2	1	1	33	26	ND	<1	ND	<3	1	1
Floor 11 W	2372-62912-P30	ND	<1	ND	<1	1	1	6	5	ND	<1	ND	<3	ND	<1
Floor 9, Elevator Lobby	2372-62912-P06	ND	<1	1	1	ND	<1	43	34						
Floor 9 SE	2372-62912-P17	ND	<1	1	1	1	1	45	36						
Floor 9 W	2372-62912-P29	ND	<1	1	1	1	1	15	12						
Floor 7, Core Hall NE	2372-62912-P05	ND	<1	4	3	ND	<1	5	4						
Floor 7 SE	2372-62912-P16	ND	<1	1	1	ND	<1	25	15						
Floor 7 NW	2372-62912-P28	ND	<1	1	1	ND	<1	4	3	ND	<1	ND	<3	ND	<1
Floor 5, Core Hall SW	2372-62912-P04	ND	<1	1	1	ND	<1	1	1						
Floor 5 S	2372-62912-P15	ND	<1	ND	<1	ND	<1	ND	<1	ND	<1	ND	<3	ND	<1
Floor 5 E	2372-62912-P27	ND	<1	5	4	2	1	19	15						
Floor 3, Elevator Lobby	2372-62912-P03	ND	<1	1	1	1	1	7	6	3	2	ND	<2	ND	<1
Floor 3 E	2372-62912-P14	ND	<1	ND	<1	ND	<1	ND	<1						
Floor 3 W	2372-62912-P26	1	1	ND	<1	ND	<1	ND	<1						
Floor 1 NW	2372-62912-P02	ND	<1	ND	<1	ND	<1	ND	<1						
Floor 1, Core Room	2372-62912-P13	1	1	2	2	1	1	69	55						
Floor 1 SW	2372-62912-P25	ND	<1	ND	<1	1	1	15	12	ND	<1	ND	<2	ND	<1
Exterior NE	2372-62912-P01	ND	<1	13	10	38	30	1,100	900	6	5	620	490	ND	<1
Field Blank	2372-62912-P37	ND	<1	ND	<1	ND	<1	ND	<1	ND	<1	ND	<3	ND	<1

KEY	
PCR	Polymerase chain reaction
SE	Spore equivalents
ND	Not detected
*	Void sample, pump malfunctioned
<span style="background-color: #90EE90; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span>	Outdoor sample
<span style="background-color: #FFFF99; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span>	Not analyzed
<span style="background-color: #FF9999; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span>	Above outdoor level

**Appendix A**  
**Monthly Air Monitoring Schedule and Protocol**



## Monthly Air Monitoring Schedule and Protocol

LCD No. 2372.02-572  
DGS BOE Technical Support

### Monthly Air Monitoring Schedule

Floor	2011	2012											
	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
<b>Actual Date</b>	12/30/11	1/27/12	2/24/12	3/30/12	4/27/12	5/25/12	6/29/12						
<b>PH</b>													
<b>24</b>	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI
<b>23</b>	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD
<b>22</b>	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI
<b>21</b>	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD
<b>20</b>	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI
<b>19</b>	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD
<b>18</b>	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI
<b>17</b>	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD
<b>16</b>	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI
<b>15</b>	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD
<b>14</b>	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI
<b>M</b>													
<b>11</b>	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD
<b>10</b>	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI
<b>9</b>	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD
<b>8</b>	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI
<b>7</b>	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD
<b>6</b>	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI
<b>5</b>	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD
<b>4</b>	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI
<b>3</b>	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD
<b>2</b>	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI
<b>1</b>	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD	HTI	LCD



## Monthly Air Monitoring Schedule and Protocol

LCD No. 2372.02-572  
DGS BOE Technical Support

### Revised Protocol for Monthly Air Monitoring

1. The IH sampling teams will select an air sampling date which will be submitted to BOE for approval. Currently BOE has approved the last Friday of every month for the monthly air monitoring. BOE should also notify Building Security that hygienists will require escorts onto secure floors in order to install sampling pumps.
2. Each IH team will be responsible for collecting a minimum of three (3) air samples on each of the eleven (11) floors. The building HVAC system operating window is currently 5:00 AM - 6:00 PM; therefore the proposed sampling window is from 4:00 AM - 7:00 PM; the actual sampling window will be adjusted as seasonal adjustments are made to the HVAC system operating window.
3. Each air sample will be drawn over approximately 2 to 3 hours using a digital countdown timer to initiate and terminate the sampling event; the first sampling event shall start 0500; the last (third) sampling event time ends by 1900. A target sample rate of 7 LPM; total sample volume of approximately 1200 liters; the above sampling time to be adjusted to meet the target volume.
4. Each IH team will collect one (1) exterior/outdoor sample per sampling period; for a total of three (3) exterior/outdoor samples per IH team per day.
5. Each sample will be collected, submitted under chain of custody, and analyzed for PCR-Cladosporium (Custom Panel) and one sample per floor analyzed for PCR-23, under standard turnaround time.
6. Air samples on Floor PH and M (which are not part of the regular sampling project schedule) may be added and collected at the direction of the DGS management team.
7. Air samples from Floors 2 and 21 core sampling ports (which are not part of the regular sampling project schedule) may be added and collected at the direction of the DGS management team. Type of samples TBD.
8. The combined IH teams will collect 66 interior + 6 exterior = 72 total air samples.
9. To demonstrate any seasonal changes within the HVAC duct interiors, surface microvac samples (which are not part of the regular sampling project schedule) may be added and collected at the direction of the DGS management team. Samples will be analyzed for *PCR-Cladosporium (Custom Panel)* and for *PCR-23*, under standard turnaround time.
10. Each month, within 7 working days of receiving the final laboratory analytical results, a written Summary Report (one electronic digital copy and four printed copies) shall be submitted to the DGS Project Manager.

# **Appendix B**

## **Lab Reports**



**EMLab P&K**  
A TestAmerica Company

## PCR - Custom Panel

Prepared Exclusively For:

LaCroix Davis, LLC.  
3685 Mt Diablo Blvd, Suite 210  
Lafayette, CA 94549

**Project Name: DGS-BOE**

**Project ID Number: 940784**

**July 10, 2012**

This report has been prepared at the request of and for the exclusive use of the client named in this report. EMLabP&K will not release results or report to a third party without prior written consent.

**Results:**

Sample ID	2372-62912-P01		2372-62912-P03		2372-62912-P07	
Air Volume [m <sup>3</sup> ]	1.260		1.260		1.215	
Fungal ID	SE*	SE/m3	SE*	SE/m3	SE*	SE/m3
<i>Acremonium strictum</i>	ND	<1	ND	<1	ND	<1
<i>Alternaria alternata</i>	1	1	ND	<1	ND	<1
<i>Aspergillus flavus</i> <sup>a</sup>	ND	<1	ND	<1	ND	<1
<i>Aspergillus fumigatus</i> <sup>b</sup>	6	5	3	2	ND	<1
<i>Aspergillus niger</i> <sup>c</sup>	2	2	ND	<1	ND	<1
<i>Aspergillus ochraceus</i> <sup>d</sup>	1	1	ND	<1	ND	<1
<i>Aspergillus sydowii</i>	ND	<9	ND	<9	ND	<11
<i>Aspergillus ustus</i>	1	1	ND	<1	ND	<1
<i>Aspergillus versicolor</i>	ND	<1	ND	<1	ND	<2
<i>Chaetomium globosum</i>	ND	<1	ND	<1	ND	<1
<i>Cladosporium cladosporioides (Type 1)</i>	1100	900	7	6	51	42
<i>Cladosporium cladosporioides (Type 2)</i>	38	30	1	1	1	1
<i>Cladosporium herbarum</i>	13	10	1	1	2	2
<i>Cladosporium sphaerospermum</i>	ND	<1	ND	<1	1	1
<i>Eurotium (Asp.) amstelodami</i> <sup>e</sup>	77	61	ND	<1	ND	<1
<i>Memnoniella echinata</i>	ND	<1	ND	<1	ND	<1
<i>Paecilomyces variotii</i>	ND	<1	ND	<1	ND	<1
<i>Penicillium aurantiogriseum</i> <sup>f</sup>	ND	<2	ND	<2	ND	<3
<i>Penicillium brevicompactum</i>	620	490	ND	<2	8	7
<i>Penicillium chrysogenum (Type 2)</i> <sup>g</sup>	ND	<1	ND	<1	ND	<1
<i>Penicillium purpurogenum</i>	ND	<2	ND	<2	ND	<2
<i>Penicillium variable</i>	ND	<5	ND	<5	ND	<7
<i>Scopulariopsis brevicaulis</i> <sup>h</sup>	ND	<1	ND	<1	ND	<1
<i>Stachybotrys chartarum</i>	ND	<1	ND	<1	ND	<1
<i>Trichoderma viride</i> <sup>i</sup>	ND	<1	ND	<1	ND	<1
<i>Ulocladium botrytis</i>	ND	<1	ND	<1	ND	<1

\* SE = Spore Equivalents, ND = Not Detected

<sup>a</sup> Includes *A. flavus* and *A. oryzae*

<sup>b</sup> Includes *A. fumigatus* and *Neosartorya fischeri*

<sup>c</sup> Includes *A. niger*, *A. foetidus* and *A. phoenicis*

<sup>d</sup> Includes *A. ochraceus* and *A. ostianus*

<sup>e</sup> Includes *E. amstelodami*, *E. chevalieri*, *E. herbariorum*, *E. rubrum* and *E. repens*

<sup>f</sup> Includes *Penicillium aurantiogriseum*, *P. freii*, *P. polonicum*, *P. tricolor*, *P. viridicatum*

<sup>g</sup> Includes dominant subgroup of species

<sup>h</sup> Includes *S. brevicaulis* and *S. fusca*

<sup>i</sup> Includes *T. viride*, *T. atroviride* and *T. koningii*

**Results:**

Sample ID	2372-62912-P11		2372-62912-P15		2372-62912-P18	
Air Volume [m <sup>3</sup> ]	1.260		1.260		1.260	
Fungal ID	SE*	SE/m3	SE*	SE/m3	SE*	SE/m3
<i>Acremonium strictum</i>	ND	<1	ND	<1	ND	<1
<i>Alternaria alternata</i>	ND	<1	ND	<1	ND	<1
<i>Aspergillus flavus</i> <sup>a</sup>	ND	<1	ND	<1	ND	<1
<i>Aspergillus fumigatus</i> <sup>b</sup>	ND	<1	ND	<1	ND	<1
<i>Aspergillus niger</i> <sup>c</sup>	ND	<1	ND	<1	ND	<1
<i>Aspergillus ochraceus</i> <sup>d</sup>	ND	<1	ND	<1	ND	<1
<i>Aspergillus sydowii</i>	ND	<9	ND	<10	ND	<10
<i>Aspergillus ustus</i>	ND	<1	ND	<1	ND	<1
<i>Aspergillus versicolor</i>	ND	<1	ND	<1	ND	<1
<i>Chaetomium globosum</i>	ND	<1	ND	<1	ND	<1
<i>Cladosporium cladosporioides (Type 1)</i>	17	14	ND	<1	33	26
<i>Cladosporium cladosporioides (Type 2)</i>	ND	<1	ND	<1	1	1
<i>Cladosporium herbarum</i>	1	1	ND	<1	3	2
<i>Cladosporium sphaerospermum</i>	ND	<1	ND	<1	1	1
<i>Eurotium (Asp.) amstelodami</i> <sup>e</sup>	ND	<1	ND	<1	ND	<1
<i>Memnoniella echinata</i>	ND	<1	ND	<1	ND	<1
<i>Paecilomyces variotii</i>	ND	<1	ND	<1	ND	<1
<i>Penicillium aurantiogriseum</i> <sup>f</sup>	ND	<2	ND	<3	ND	<3
<i>Penicillium brevicompactum</i>	ND	<2	ND	<3	ND	<3
<i>Penicillium chrysogenum (Type 2)</i> <sup>g</sup>	ND	<1	ND	<1	1	1
<i>Penicillium purpurogenum</i>	ND	<1	ND	<2	ND	<2
<i>Penicillium variabile</i>	ND	<5	ND	<6	ND	<6
<i>Scopulariopsis brevicaulis</i> <sup>h</sup>	ND	<1	ND	<1	ND	<1
<i>Stachybotrys chartarum</i>	ND	<1	ND	<1	ND	<1
<i>Trichoderma viride</i> <sup>i</sup>	ND	<1	ND	<1	ND	<1
<i>Ulocladium botrytis</i>	ND	<1	ND	<1	ND	<1

\* SE = Spore Equivalents, ND = Not Detected

<sup>a</sup> Includes *A. flavus* and *A. oryzae*

<sup>b</sup> Includes *A. fumigatus* and *Neosartorya fischeri*

<sup>c</sup> Includes *A. niger*, *A. foetidus* and *A. phoenicis*

<sup>d</sup> Includes *A. ochraceus* and *A. ostianus*

<sup>e</sup> Includes *E. amstelodami*, *E. chevalieri*, *E. herbariorum*, *E. rubrum* and *E. repens*

<sup>f</sup> Includes *Penicillium aurantiogriseum*, *P. freii*, *P. polonicum*, *P. tricolor*, *P. viridicatum*

<sup>g</sup> Includes dominant subgroup of species

<sup>h</sup> Includes *S. brevicaulis* and *S. fusca*

<sup>i</sup> Includes *T. viride*, *T. atroviride* and *T. koningii*

**Results:**

Sample ID	2372-62912-P19		2372-62912-P22		2372-62912-P23	
Air Volume [m <sup>3</sup> ]	1.260		1.260		1.305	
Fungal ID	SE*	SE/m3	SE*	SE/m3	SE*	SE/m3
<i>Acremonium strictum</i>	ND	<1	ND	<1	ND	<1
<i>Alternaria alternata</i>	ND	<1	ND	<1	ND	<1
<i>Aspergillus flavus</i> <sup>a</sup>	ND	<1	ND	<1	ND	<1
<i>Aspergillus fumigatus</i> <sup>b</sup>	ND	<1	ND	<1	1	1
<i>Aspergillus niger</i> <sup>c</sup>	ND	<1	ND	<1	ND	<1
<i>Aspergillus ochraceus</i> <sup>d</sup>	ND	<1	ND	<1	ND	<1
<i>Aspergillus sydowii</i>	ND	<9	ND	<7	ND	<7
<i>Aspergillus ustus</i>	ND	<1	ND	<1	ND	<1
<i>Aspergillus versicolor</i>	ND	<1	ND	<1	ND	<1
<i>Chaetomium globosum</i>	ND	<1	ND	<1	ND	<1
<i>Cladosporium cladosporioides (Type 1)</i>	13	10	9	7	1	1
<i>Cladosporium cladosporioides (Type 2)</i>	ND	<1	1	1	1	1
<i>Cladosporium herbarum</i>	ND	<1	ND	<1	1	1
<i>Cladosporium sphaerospermum</i>	ND	<1	ND	<1	ND	<1
<i>Eurotium (Asp.) amstelodami</i> <sup>e</sup>	ND	<1	ND	<1	ND	<1
<i>Memnoniella echinata</i>	ND	<1	ND	<1	ND	<1
<i>Paecilomyces variotii</i>	ND	<1	ND	<1	ND	<1
<i>Penicillium aurantiogriseum</i> <sup>f</sup>	ND	<2	ND	<2	ND	<2
<i>Penicillium brevicompactum</i>	ND	<2	ND	<2	ND	<2
<i>Penicillium chrysogenum (Type 2)</i> <sup>g</sup>	ND	<1	ND	<1	ND	<1
<i>Penicillium purpurogenum</i>	ND	<1	ND	<1	ND	<1
<i>Penicillium variable</i>	ND	<5	ND	<4	ND	<4
<i>Scopulariopsis brevicaulis</i> <sup>h</sup>	ND	<1	ND	<1	ND	<1
<i>Stachybotrys chartarum</i>	ND	<1	ND	<1	ND	<1
<i>Trichoderma viride</i> <sup>i</sup>	ND	<1	ND	<1	ND	<1
<i>Ulocladium botrytis</i>	ND	<1	ND	<1	ND	<1

\* SE = Spore Equivalents, ND = Not Detected

<sup>a</sup> Includes *A. flavus* and *A. oryzae*

<sup>b</sup> Includes *A. fumigatus* and *Neosartorya fischeri*

<sup>c</sup> Includes *A. niger*, *A. foetidus* and *A. phoenicis*

<sup>d</sup> Includes *A. ochraceus* and *A. ostianus*

<sup>e</sup> Includes *E. amstelodami*, *E. chevalieri*, *E. herbariorum*, *E. rubrum* and *E. repens*

<sup>f</sup> Includes *Penicillium aurantiogriseum*, *P. freii*, *P. polonicum*, *P. tricolor*, *P. viridicatum*

<sup>g</sup> Includes dominant subgroup of species

<sup>h</sup> Includes *S. brevicaulis* and *S. fusca*

<sup>i</sup> Includes *T. viride*, *T. atroviride* and *T. koningii*

**Results:**

Sample ID	2372-62912-P24		2372-62912-P25		2372-62912-P28	
Air Volume [m <sup>3</sup> ]	1.477		1.260		1.215	
Fungal ID	SE*	SE/m3	SE*	SE/m3	SE*	SE/m3
<i>Acremonium strictum</i>	ND	<1	ND	<1	ND	<1
<i>Alternaria alternata</i>	ND	<1	ND	<1	ND	<1
<i>Aspergillus flavus</i> <sup>a</sup>	3	2	ND	<1	ND	<1
<i>Aspergillus fumigatus</i> <sup>b</sup>	58	39	ND	<1	ND	<1
<i>Aspergillus niger</i> <sup>c</sup>	11	8	ND	<1	ND	<1
<i>Aspergillus ochraceus</i> <sup>d</sup>	1	1	ND	<1	ND	<1
<i>Aspergillus sydowii</i>	ND	<5	ND	<9	ND	<11
<i>Aspergillus ustus</i>	ND	<1	ND	<1	ND	<1
<i>Aspergillus versicolor</i>	ND	<1	ND	<1	ND	<2
<i>Chaetomium globosum</i>	ND	<1	ND	<1	ND	<1
<i>Cladosporium cladosporioides (Type 1)</i>	930	630	15	12	4	3
<i>Cladosporium cladosporioides (Type 2)</i>	22	15	1	1	ND	<1
<i>Cladosporium herbarum</i>	96	65	ND	<1	1	1
<i>Cladosporium sphaerospermum</i>	ND	<1	ND	<1	ND	<1
<i>Eurotium (Asp.) amstelodami</i> <sup>e</sup>	40	27	ND	<1	ND	<1
<i>Memnoniella echinata</i>	ND	<1	ND	<1	ND	<1
<i>Paecilomyces variotii</i>	ND	<1	ND	<1	ND	<1
<i>Penicillium aurantiogriseum</i> <sup>f</sup>	ND	<2	ND	<3	ND	<3
<i>Penicillium brevicompactum</i>	73	49	ND	<2	ND	<3
<i>Penicillium chrysogenum (Type 2)</i> <sup>g</sup>	ND	<1	ND	<1	ND	<1
<i>Penicillium purpurogenum</i>	5	4	ND	<2	ND	<2
<i>Penicillium variabile</i>	8	5	ND	<6	ND	<6
<i>Scopulariopsis brevicaulis</i> <sup>h</sup>	ND	<1	ND	<1	ND	<1
<i>Stachybotrys chartarum</i>	ND	<1	ND	<1	ND	<1
<i>Trichoderma viride</i> <sup>i</sup>	2	2	ND	<1	ND	<1
<i>Ulocladium botrytis</i>	ND	<1	ND	<1	ND	<1

\* SE = Spore Equivalents, ND = Not Detected

<sup>a</sup> Includes *A. flavus* and *A. oryzae*

<sup>b</sup> Includes *A. fumigatus* and *Neosartorya fischeri*

<sup>c</sup> Includes *A. niger*, *A. foetidus* and *A. phoenicis*

<sup>d</sup> Includes *A. ochraceus* and *A. ostianus*

<sup>e</sup> Includes *E. amstelodami*, *E. chevalieri*, *E. herbariorum*, *E. rubrum* and *E. repens*

<sup>f</sup> Includes *Penicillium aurantiogriseum*, *P. freii*, *P. polonicum*, *P. tricolor*, *P. viridicatum*

<sup>g</sup> Includes dominant subgroup of species

<sup>h</sup> Includes *S. brevicaulis* and *S. fusca*

<sup>i</sup> Includes *T. viride*, *T. atroviride* and *T. koningii*

**Results:**

Sample ID	2372-62912-P30		2372-62912-P34		2372-62912-P36	
Air Volume [m <sup>3</sup> ]	1.305		1.260		1.911	
Fungal ID	SE*	SE/m3	SE*	SE/m3	SE*	SE/m3
<i>Acremonium strictum</i>	ND	<1	ND	<1	3	2
<i>Alternaria alternata</i>	ND	<1	ND	<1	2	1
<i>Aspergillus flavus</i> <sup>a</sup>	ND	<1	ND	<1	ND	<1
<i>Aspergillus fumigatus</i> <sup>b</sup>	ND	<1	ND	<1	39	20
<i>Aspergillus niger</i> <sup>c</sup>	ND	<1	ND	<1	19	10
<i>Aspergillus ochraceus</i> <sup>d</sup>	ND	<1	ND	<1	ND	<1
<i>Aspergillus sydowii</i>	ND	<11	ND	<12	ND	<8
<i>Aspergillus ustus</i>	ND	<1	ND	<1	ND	<1
<i>Aspergillus versicolor</i>	ND	<2	ND	<2	4	2
<i>Chaetomium globosum</i>	ND	<1	ND	<1	ND	<1
<i>Cladosporium cladosporioides (Type 1)</i>	6	5	ND	<1	3000	1600
<i>Cladosporium cladosporioides (Type 2)</i>	1	1	ND	<1	57	30
<i>Cladosporium herbarum</i>	ND	<1	1	1	730	380
<i>Cladosporium sphaerospermum</i>	ND	<1	ND	<1	ND	<1
<i>Eurotium (Asp.) amstelodami</i> <sup>e</sup>	ND	<1	ND	<1	150	77
<i>Memnoniella echinata</i>	ND	<1	ND	<1	ND	<1
<i>Paecilomyces variotii</i>	ND	<1	ND	<1	ND	<1
<i>Penicillium aurantiogriseum</i> <sup>f</sup>	ND	<3	ND	<3	ND	<2
<i>Penicillium brevicompactum</i>	ND	<3	ND	<3	22	12
<i>Penicillium chrysogenum (Type 2)</i> <sup>g</sup>	ND	<1	ND	<1	ND	<1
<i>Penicillium purpurogenum</i>	ND	<2	ND	<2	220	120
<i>Penicillium variabile</i>	ND	<7	ND	<7	14	7
<i>Scopulariopsis brevicaulis</i> <sup>h</sup>	ND	<1	ND	<1	ND	<1
<i>Stachybotrys chartarum</i>	ND	<1	ND	<1	3	2
<i>Trichoderma viride</i> <sup>i</sup>	ND	<1	ND	<1	ND	<1
<i>Ulocladium botrytis</i>	ND	<1	ND	<1	ND	<1

\* SE = Spore Equivalents, ND = Not Detected

<sup>a</sup> Includes *A. flavus* and *A. oryzae*

<sup>b</sup> Includes *A. fumigatus* and *Neosartorya fischeri*

<sup>c</sup> Includes *A. niger*, *A. foetidus* and *A. phoenicis*

<sup>d</sup> Includes *A. ochraceus* and *A. ostianus*

<sup>e</sup> Includes *E. amstelodami*, *E. chevalieri*, *E. herbariorum*, *E. rubrum* and *E. repens*

<sup>f</sup> Includes *Penicillium aurantiogriseum*, *P. freii*, *P. polonicum*, *P. tricolor*, *P. viridicatum*

<sup>g</sup> Includes dominant subgroup of species

<sup>h</sup> Includes *S. brevicaulis* and *S. fusca*

<sup>i</sup> Includes *T. viride*, *T. atroviride* and *T. koningii*

**Results:**

Sample ID	2372-62912-P37	
Air Volume [m <sup>3</sup> ]	NA	
Fungal ID	SE*	SE/sample
<i>Acremonium strictum</i>	ND	<1
<i>Alternaria alternata</i>	ND	<1
<i>Aspergillus flavus</i> <sup>a</sup>	ND	<1
<i>Aspergillus fumigatus</i> <sup>b</sup>	ND	<1
<i>Aspergillus niger</i> <sup>c</sup>	ND	<1
<i>Aspergillus ochraceus</i> <sup>d</sup>	ND	<1
<i>Aspergillus sydowii</i>	ND	<14
<i>Aspergillus ustus</i>	ND	<1
<i>Aspergillus versicolor</i>	ND	<2
<i>Chaetomium globosum</i>	ND	<1
<i>Cladosporium cladosporioides (Type 1)</i>	ND	<1
<i>Cladosporium cladosporioides (Type 2)</i>	ND	<1
<i>Cladosporium herbarum</i>	ND	<1
<i>Cladosporium sphaerospermum</i>	ND	<1
<i>Eurotium (Asp.) amstelodami</i> <sup>e</sup>	ND	<1
<i>Memnoniella echinata</i>	ND	<1
<i>Paecilomyces variotii</i>	ND	<1
<i>Penicillium aurantiogriseum</i> <sup>f</sup>	ND	<4
<i>Penicillium brevicompactum</i>	ND	<3
<i>Penicillium chrysogenum (Type 2)</i> <sup>g</sup>	ND	<1
<i>Penicillium purpurogenum</i>	ND	<2
<i>Penicillium variabile</i>	ND	<8
<i>Scopulariopsis brevicaulis</i> <sup>h</sup>	ND	<1
<i>Stachybotrys chartarum</i>	ND	<1
<i>Trichoderma viride</i> <sup>i</sup>	ND	<1
<i>Ulocladium botrytis</i>	ND	<1

\* SE = Spore Equivalents, ND = Not Detected

<sup>a</sup> Includes *A. flavus* and *A. oryzae*

<sup>b</sup> Includes *A. fumigatus* and *Neosartorya fischeri*

<sup>c</sup> Includes *A. niger*, *A. foetidus* and *A. phoenicis*

<sup>d</sup> Includes *A. ochraceus* and *A. ostianus*

<sup>e</sup> Includes *E. amstelodami*, *E. chevalieri*, *E. herbariorum*, *E. rubrum* and *E. repens*

<sup>f</sup> Includes *Penicillium aurantiogriseum*, *P. freii*, *P. polonicum*, *P. tricolor*, *P. viridicatum*

<sup>g</sup> Includes dominant subgroup of species

<sup>h</sup> Includes *S. brevicaulis* and *S. fusca*

<sup>i</sup> Includes *T. viride*, *T. atroviride* and *T. koningii*

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not hesitate to call.



## PCR - Custom Panel

Prepared Exclusively For:

LaCroix Davis, LLC.  
3685 Mt Diablo Blvd, Suite 210  
Lafayette, CA 94549

**Project Name: DGS-BOE**

**Project ID Number: 940784**

**July 10, 2012**

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**Results:**

Sample ID	2372-62912-P02		2372-62912-P04		2372-62912-P05	
Air Volume [m <sup>3</sup> ]	1.260		1.260		1.260	
Fungal ID	SE*	SE/m3	SE*	SE/m3	SE*	SE/m3
<i>Cladosporium cladosporioides (Type 1)</i>	ND	<1	1	1	5	4
<i>Cladosporium cladosporioides (Type 2)</i>	ND	<1	ND	<1	ND	<1
<i>Cladosporium herbarum</i>	ND	<1	1	1	4	3
<i>Cladosporium sphaerospermum</i>	ND	<1	ND	<1	ND	<1

Sample ID	2372-62912-P06		2372-62912-P08		2372-62912-P09	
Air Volume [m <sup>3</sup> ]	1.260		1.260		2.096	
Fungal ID	SE*	SE/m3	SE*	SE/m3	SE*	SE/m3
<i>Cladosporium cladosporioides (Type 1)</i>	43	34	ND	<1	33	16
<i>Cladosporium cladosporioides (Type 2)</i>	ND	<1	ND	<1	ND	<1
<i>Cladosporium herbarum</i>	1	1	1	1	1	1
<i>Cladosporium sphaerospermum</i>	ND	<1	ND	<1	1	1

Sample ID	2372-62912-P10		2372-62912-P12		2372-62912-P13	
Air Volume [m <sup>3</sup> ]	1.260		1.395		1.260	
Fungal ID	SE*	SE/m3	SE*	SE/m3	SE*	SE/m3
<i>Cladosporium cladosporioides (Type 1)</i>	ND	<1	13	9	69	55
<i>Cladosporium cladosporioides (Type 2)</i>	ND	<1	1	1	1	1
<i>Cladosporium herbarum</i>	1	1	1	1	2	2
<i>Cladosporium sphaerospermum</i>	ND	<1	ND	<1	1	1

Sample ID	2372-62912-P14		2372-62912-P16		2372-62912-P17	
Air Volume [m <sup>3</sup> ]	1.260		1.680		1.260	
Fungal ID	SE*	SE/m3	SE*	SE/m3	SE*	SE/m3
<i>Cladosporium cladosporioides (Type 1)</i>	ND	<1	25	15	45	36
<i>Cladosporium cladosporioides (Type 2)</i>	ND	<1	ND	<1	1	1
<i>Cladosporium herbarum</i>	ND	<1	1	1	1	1
<i>Cladosporium sphaerospermum</i>	ND	<1	ND	<1	ND	<1

Sample ID	2372-62912-P20		2372-62912-P21		2372-62912-P26	
Air Volume [m <sup>3</sup> ]	1.260		1.215		1.260	
Fungal ID	SE*	SE/m3	SE*	SE/m3	SE*	SE/m3
<i>Cladosporium cladosporioides (Type 1)</i>	2	2	6	5	ND	<1
<i>Cladosporium cladosporioides (Type 2)</i>	1	1	1	1	ND	<1
<i>Cladosporium herbarum</i>	ND	<1	ND	<1	ND	<1
<i>Cladosporium sphaerospermum</i>	ND	<1	ND	<1	1	1

Sample ID	2372-62912-P27		2372-62912-P29		2372-62912-P31	
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Air Volume [m <sup>3</sup> ]	1.260		1.215		1.260	
Fungal ID	SE*	SE/m3	SE*	SE/m3	SE*	SE/m3
<i>Cladosporium cladosporioides (Type 1)</i>	19	15	15	12	2	1
<i>Cladosporium cladosporioides (Type 2)</i>	2	1	1	1	1	1
<i>Cladosporium herbarum</i>	5	4	1	1	ND	<1
<i>Cladosporium sphaerospermum</i>	ND	<1	ND	<1	ND	<1

Sample ID	2372-62912-P32		2372-62912-P33		2372-62912-P35	
Air Volume [m <sup>3</sup> ]	NA		0.940		1.305	
Fungal ID	SE*	SE/sample	SE*	SE/m3	SE*	SE/m3
<i>Cladosporium cladosporioides (Type 1)</i>	ND	<1	4	4	21	16
<i>Cladosporium cladosporioides (Type 2)</i>	ND	<1	ND	<1	ND	<1
<i>Cladosporium herbarum</i>	ND	<1	1	1	1	1
<i>Cladosporium sphaerospermum</i>	ND	<1	1	1	1	1

\* SE = Spore Equivalents, ND = Not Detected

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# CHAIN OF CUSTODY

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940784 2073

WEATHER		Fog	Rain	Snow	Wind	Clear
None	Light					
Moderate	Heavy					

**CONTACT INFORMATION**

Company: Lacroy Davis, LLC  
 Address: 3685 Mt. Diablo Blvd Ste 210  
 City/State: Carroll, T. Tex; A. Stembich  
 Phone: 925-299-1140  
 Special Instructions: Leffayette, CA 94549  
P24 Volume = 1477

**PROJECT INFORMATION**

Project ID: DG5-BOE  
 Project Desc: Monthly Air Monitoring - June  
 Project: Sampling  
 Zip Code: 612912  
 PO Number: 23722-572

Imp ID	Sample Location	Sample Type	Sample Date	Sample Time	Sample Volume	Sample Temp	Sample Status
2372-62912-P13	Floor / Cor Room	0 STD	6/26/00	9:12	100ml	23.0	Sampled
2372-62912-P14	Floor 3 E	0 STD	6/26/00	9:18	100ml	21.0	Sampled
2372-62912-P15	Floor 5 S	0 STD	6/26/00	9:25	100ml	18.0	Sampled
2372-62912-P16	Floor 7 SE	0 STD	6/26/00	9:31	100ml	18.0	Sampled
2372-62912-P17	Floor 9 SE	0 STD	6/26/00	9:37	100ml	18.0	Sampled
2372-62912-P18	Floor 11 SW	0 STD	6/26/00	9:50	100ml	22.0	Sampled
2372-62912-P19	Floor 15 SW	0 STD	6/26/00	9:59	100ml	22.0	Sampled
2372-62912-P20	Floor 17 SW	0 STD	6/26/00	10:15	100ml	22.0	Sampled
2372-62912-P21	Floor 19 SE	0 STD	6/26/00	10:24	100ml	23.0	Sampled
2372-62912-P22	Floor 21 SE	0 STD	6/26/00	10:34	100ml	23.0	Sampled
2372-62912-P23	Floor 23 Cor Room	0 STD	6/26/00	10:41	100ml	23.0	Sampled
2372-62912-P24	Exterior M O A S	0 STD	6/26/00	8:48	100ml	23.0	Sampled

BC - BioCassette	ST - Spore Trap: Zefon, Allergenco, Burkard...	T - Tape	D - Dust
		SW - Swab	SO - Soil
A15 - Andersen	P - Potable Water	B - Bulk	
SAS - Surface Air Sampler	NP - Non-Potable Water	O - Other: <u>P1R</u>	
CP - Contact Plate			

**Non-Culturable**

Spore Trap

Tap

Swab

Bulk

BioCass Water, B

000940784

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

[Signature]

**DATE/TIME**

7/2/12 8AM

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# CHAIN OF CUSTODY EMLab P&K

www.EMLabPK.com

Cherry Hill, NJ: 1936 Olney Avenue, Cherry Hill, NJ 08003 • (856) 871-1984

Phoenix, AZ: 1501 West Knudsen Drive, Phoenix, AZ 85027 • (800) 631-4802

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

0857076

000940784

Other Requests

PCR (please specify test) *Custom Panel Chado*

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

Asbestos Analysis - PCM Airborne Fiber Conc (NIOSH 7400)

QuantTray - Sewage Screen

MFPN Bacteria (Please specify organism)

Membrane Filtration (Please specify organism)

Total Coliform, F.coli (Presence/Absence)

Legionella culture

Gram Stain and Counts (Culturable Air and Surface Bacteria)

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

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

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

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

Quantitative Spore Count Direct Exam

Direct Microscopic Exam (Qualitative)

Spore Trap Analysis - Other particles

Fungi - Spore Trap Analysis

WEATHER: Fog Rain Snow Wind Clear

None Light Moderate Heavy

Address: *2685 Mt. Diablo Blvd Ste 20*

Special Instructions: *Jefferette CA 94524*

Field Blanks P37 P38 P39 + per custom Chado

Project ID: *DAS-PDE*

Project Description: *Monthly Air Monitoring - June*

Project: *6/29/12*

Date & Time: *6/29/12*

Zip Code: *94012*

PO Number: *237A-02-572*

Standard (DEFAULT)

ND - Next Business Day

SD - Same Business Day Rush

WH - Weekend/Holiday

Sample ID	Location	Time	Temp	Humidity	Wind	Pressure	Notes
237A-6292-P35	Floor 1 SW	12:00	13:15	12:00	11:06	13:04	191K
237A-6292-P36	Floor 3 W	13:22	13:22	322			
237A-6292-P37	Floor 5 E	13:30	13:38	512	117		
237A-6292-P38	Floor 7 NW	13:45	13:45	1-22			
237A-6292-P39	Floor 9 W	13:52	13:52	1106			
237A-6292-P40	Floor 15 NE	14:00	14:00	N-18			
237A-6292-P41	Floor 17 NW	BUMP MALFUNCTION					
237A-6292-P42	Floor 19 NW	14:15-16:15	N-23				
237A-6292-P43	Floor 21 N	14:24	14:24	N-19			
237A-6292-P44	Floor 23 W	14:30	14:30	2311			
237A-6292-P45	External M	13:04	13:04	191K			
237A-6292-P46	External M	13:04	13:04	191K			

BC - BioCassette

A15 - Andersen

SAS - Surface Air Sampler

CP - Contact Plate

ST - Spore Trap: Zefon, Allergenco, Burkard...

P - Potable Water

NP - Non-Potable Water

T - Tape

SW - Swab

B - Bulk

O - Other

D - Dust

SO - Soil

Sample

Thermocouple

2-3-12

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