



Aladdin Environmental LLC

321 W. Josephine * San Antonio, TX 78212 * 210-736-1826x218 * Fax 210-732-3667
John Spalten – Texas Mold Assessment Consultant MAC0383

March 26, 2008

San Antonio Housing Authority
Attn: Bart Swider, Mirasol Project Manager
459 Precious Street
San Antonio, TX 78237

Re: 114 Villa Grande, San Antonio, TX

Dear Mr. Swider:

Aladdin Environmental is pleased to submit this environmental evaluation on the above residence located at 114 Villa Grande, San Antonio, TX. This limited evaluation was performed on March 21st, 2008. We have observed the standard of care generally exercised by the profession under similar circumstances and conditions to complete this report.

Mold spores are common in indoor environments. It is not the presence of molds in indoor air that is cause for concern. However, the amplification and dissemination of fungal spores in elevated levels can decrease indoor air quality and lead to adverse health effects.

On the following page, are the samples taken along with any observations and/or suggestions. Based on observations there is evidence of minor areas of possible microbial growth. The lab results show the air samples to be within acceptable levels, with more detail on the following page. The actual report provided by the lab is included as well.

The indoor air quality evaluation observations and testing results detailed in this report are for a single sampling episode. Any changes in ambient conditions may have an effect on future conditions. Moisture control is the key to mold control.

We appreciate the opportunity to perform this service for you. Please contact me if you have any further questions.

Sincerely,

John Spalten
MAC0383

Enc: Lab Report

Analyses of the laboratory samples taken along with observations and/or suggestions are as follows:

Air Samples

A1 – Outside

- Sample taken for comparison.

A2 – Living Room

- Lab results show counts of several types of mold, but all lower or within reasonable variances than the outside counts. The overall count is much lower than the outside count.

A3 – Hall @ Bedrooms

- Lab results show counts of several types of mold, but all lower or within reasonable variances than the outside counts. The overall count is much lower than the outside count.

Swab Samples

S1 – Living Room – ceiling near A/C vent

- A swab sample was taken on the sheetrock ceiling near the A/C vent. The lab results indicate "Rare" counts of various microbial spores.

General Recommendations and/or Observations

- Inspected areas throughout the house. The house was not considered visually clean.
- Walls were checked around plumbing fixtures, windows and other possible moisture sources using a moisture meter and all readings were normal.
- The HVAC unit, supply ductwork and registers had recently been replaced.
- Kitchen – door threshold around back door as well as both sides of the door showed signs of possible water damage. The base shelf below the sink showed signs of discoloration most likely from items placed there. The window showed signs of excess caulk from what appears to be poor caulking.
 - Recommend the door threshold be inspected and repaired as necessary.
 - Recommend replace the caulk around the window.
- Living Room – the windows had signs of possible minor microbial growth. The ceiling near the A/C vent had signs of debris that is listed in Swab sample S1.
 - Recommend the window be cleaned & sanitized and the caulk replaced properly.
 - Recommend the window area be part of routine cleaning to prevent debris buildup.
 - Recommend the ceiling near the A/C vent be HEPA vacuumed.
- Hall Bath – The edge of the toilet and tub at the floor had signs of excess caulk from what appears to be poor caulking.
 - Recommend replacing the caulk around the base of the toilet and tub.
- Master Bedroom – The window had signs of possible minor microbial growth on the frame and caulk.
 - Recommend the window be cleaned & sanitized and the caulk replaced properly.
 - Recommend the window area be part of routine cleaning to prevent debris buildup.
- Master Bath – The edge of the tub at the floor had signs of excess caulk from what appears to be poor caulking.
 - Recommend replacing the caulk around the base of the toilet and tub.
- Back Left Bedroom – The window had recently been replaced, but the remaining caulk showed signs of microbial growth.
 - Recommend the window sill be cleaned & sanitized and the caulk replaced properly.
 - Recommend the window area be part of routine cleaning to prevent debris buildup.
- Front Left Bedroom – The window had recently been replaced, but the remaining caulk showed signs of microbial growth.
 - Recommend the window sill be cleaned & sanitized and the caulk replaced properly.
 - Recommend the window area be part of routine cleaning to prevent debris buildup.

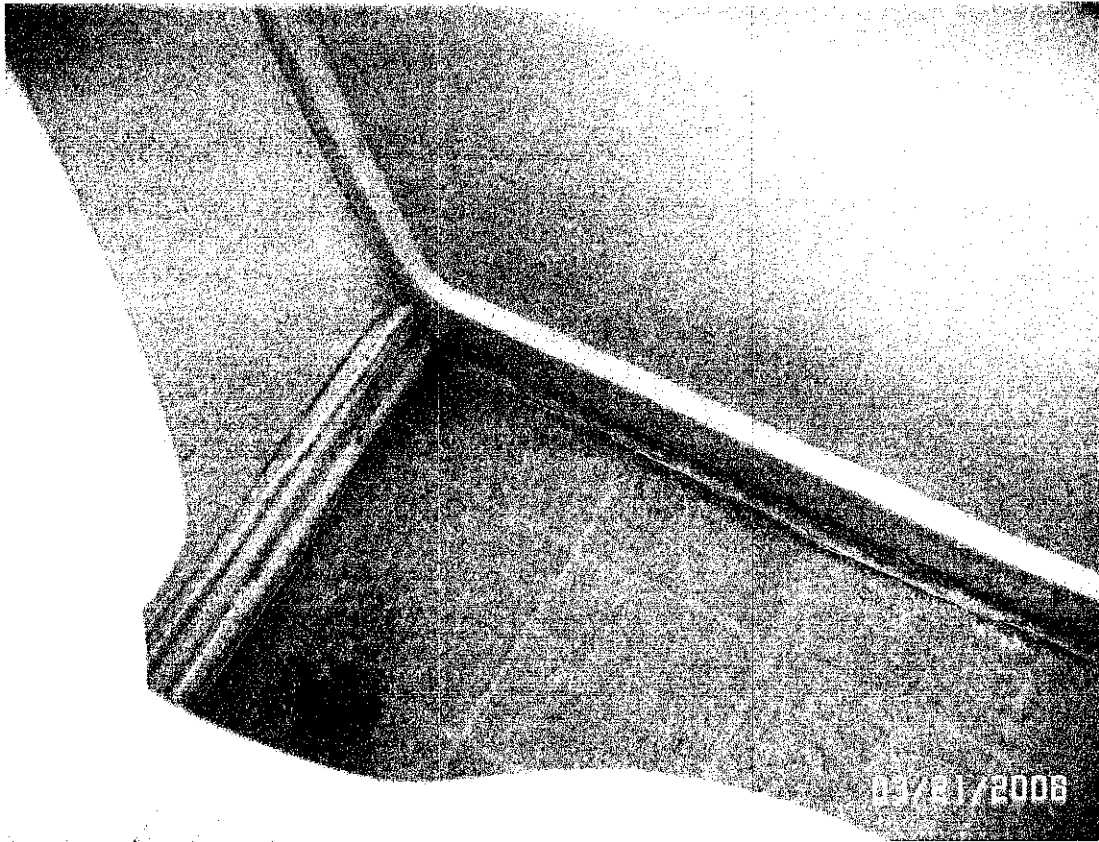


Living - ceiling near A/C vent

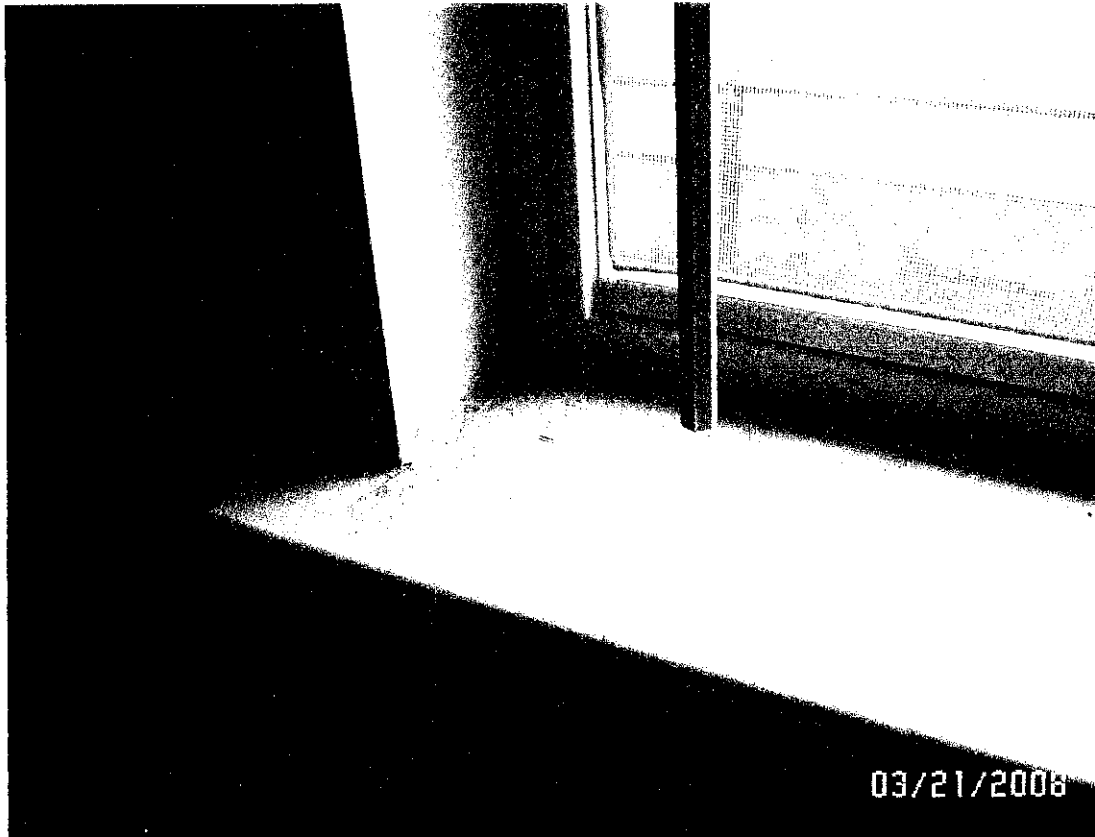


Hall Bath - toilet

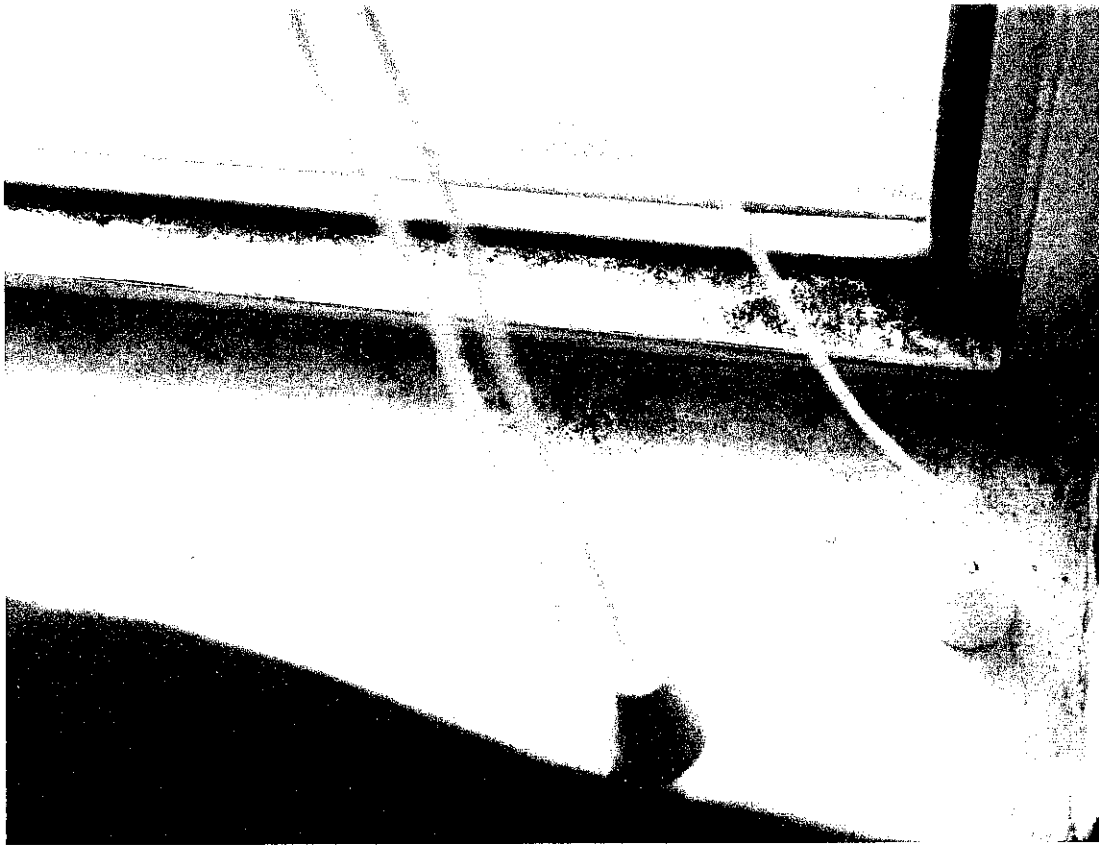
JES



Hall Bath – tub



Bedroom - new window with old caulk



Master Bedroom - window sill



EMSL Analytical, Inc.

2501 Central Parkway, Suite C-17 Houston, TX 77092

Phone: (713) 686-3635

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Email: houstonlab@emsl.com

Attn: John Spalten
Aladdin Environmental LLC
321 W. Josephine
San Antonio, TX 78212

EMSL Order: 150801618
Customer ID: ALLA22
Received: 3/24/08
Analyzed: 3/24/08
Report Date: 3/24/08

Proj: SAHA-114VIL

Air-O-Cell™ Cassette Analysis of Fungal Spores & Other Airborne Particulates by Optical Microscopy (EMSL Method M001)

Lab Sample Number:	150801618-0001	150801618-0002	150801618-0003		
Client Sample ID:	A1	A2	A3		
Volume (L):	75	75	75		
Sample Location:	Outside	Living	Hall @ Bedrooms		
Spore Types	Count/m ³	Count/m ³	Count/m ³		
Agrocybe/Coprinus	-	-	-		
Alternaria	294	336	168		
Ascospores	252	168	42		
Aspergillus/Penicillium	42	-	168		
Basidiospores	84	-	168		
Bipolaris	210	210	65*		
Chaetomium	-	-	-		
Cladosporium	5330	1130	-		
Curvularia	126	42	42		
Epicoccum	42	84	126		
Fusarium	-	-	-		
Ganoderma	-	-	-		
Myxomycete	84	42	42		
Paecilomyces	-	-	-		
Rust	-	-	-		
Scopulariopsis	-	-	-		
Stachybotrys	-	-	-		
Torula	42	-	-		
Ulocladium	-	-	-		
Unidentifiable Spores	294	210	42		
Zygomycetes	-	-	-		
Nigrospora	252	84	-		
Pithomyces	84	-	42		
Total Fungi	7140	2310	905		
Fibrous Particulate	210	840	840		
Hyphal Fragment	1680	420	336		
Insect Fragment	-	-	-		
Pollen	252	378	210		
Analyt. Sensitivity 600x	42	42	42		
Analyt. Sensitivity 300x	13*	13*	13*		
Skin Fragments (1-4)	1	1	1		
Background (1-5)	3	3	3		

No discernable field blank was submitted with this group of samples.
AIHA EMLAP Accreditation #102575

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. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. Results have not been adjusted for field or laboratory blank unless otherwise noted. Samples received in good condition unless otherwise noted.

spv2.7.7.8

For Information on the fungi listed in this report please visit the Resources section at www.emsl.com

Page 1 of 1

Melanie Beck

JS



EMSL Analytical, Inc.

2501 Central Parkway, Suite C-17 Houston, TX 77092

Phone: (713) 686-3635

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Email: houstonlab@emsl.com

Attn: John Spalten
Aladdin Environmental LLC
321 W. Josephine
San Antonio, TX 78212

EMSL Order: 150801618
Customer ID: ALLA22
Received: 3/24/08
Analyzed: 3/24/08
Report Date: 3/24/08

Proj: SAHA-114VIL

Microscopic Examination of Fungal Spores, Fungal Structures, Hyphae, and Other Particulates from Swab Samples (EMSL Method: M041)

Lab Sample Number:	150801618-0004				
Client Sample ID:	S1				
Sample Location:	L/R Ceiling @ Vent				
Spore Types	Category				
Agrocybe/Coprinus	-				
Alternaria	Rare				
Ascospores	-				
Aspergillus/Penicillium	-				
Basidiospores	-				
Bipolaris	Rare				
Chaetomium	-				
Cladosporium	Rare				
Curvularia	Rare				
Epicoccum	Rare				
Fusarium	-				
Ganoderma	-				
Myxomycete	Rare				
Paecilomyces	-				
Rust	-				
Scopulariopsis	-				
Stachybotrys	-				
Torula	-				
Ulocladium	-				
Unidentifiable Spores	-				
Zygomycetes	-				
Nigrospora	Rare				
Fibrous Particulate	-				
Hyphal Fragment	Rare				
Insect Fragment	-				
Pollen	-				

Category: Count/per area analyzed Rare: 1 to 10 Low: 11 to 100 Medium: 101 to 1000 High: >1000

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

* Sample contains fruiting structures and/or hyphae associated

Melanie Beck

AIHA EMLAP Accreditation #102575

Samples were received in good condition unless otherwise noted on this report. EMSL Analytical maintains liability limited to cost of analysis. Interpretation of the data contained in this report is the responsibility of the client. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL Analytical. EMSL Analytical bears no responsibility for the sample collection activities or analytical method limitations.

Dir-Ver1.7.8.7

For information on the fungi listed in this report please visit the Resources section at www.emsl.com

JS

Chain of Custody

Environmental Microbiology Lab Services

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Please print all information legibly.

1503-1015

Company:	Aladdin Environmental LLC	Bill To:	Aladdin Environmental LLC
Address1:	321 W. Josephine	Address1:	21 W. Josephine
Address2:		Address2:	
City, State:	San Antonio, TX	City, State:	San Antonio, TX
Zip Post Code:	78212	Zip Post Code:	78212
Country:		Country:	
Contact Name:	John Spalten	Attn:	John Spalten
Phone:	210-736-1826	Phone:	210-736-1826
Fax:	2107323667	Fax:	2107323667
Email:	johns@aladdinleans.com	Email:	johns@aladdinleans.com
EMSL Rep:		P.O. Number:	
Project Name/Number: SAHA-114VII			

Project Name Saha - 114VII Date Collected 3-26-08 Date Sent 3-26-08

Other Information:

<i>For EMSL use only</i>
EMSL Order No. _____
Sampler(s) received in good condition? [Y] [N]
Discernable field blank submitted? [Y] [N]

Sample ID	Sample Location	Sample Type	Volume (liters), Area (sq. cm), or Weight (grams)	Analysis Code*	Turn-around Time*	Comments
A1	garage	AIR	75L	1001	37 HR	91/90%
A2	living					70/10%
A3	hall & bedrooms					74/35%
S1	1/2 room view	soots	1 sq cm	1001	34 HR	

*See attached schedule

Relinquished by: John Spalten
Received by: _____

Date: 3/26/08 Time: 9:00 p
Date: 3/26/08 Time: 5:00 p
Page: 1 of 1

JES