



Safe Aire Technology

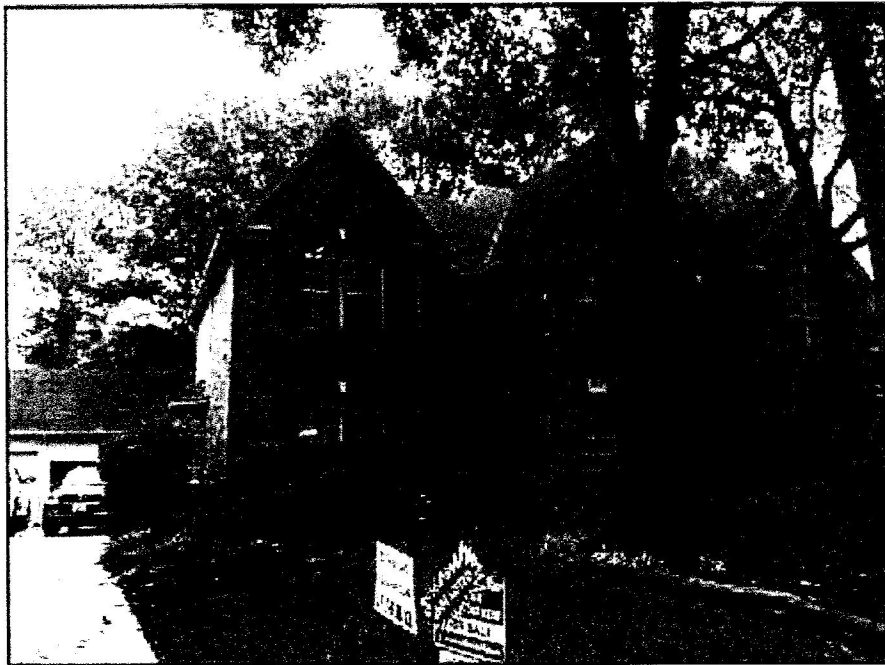
Limited Microbial & IAQ Analysis

For the Property Located At:

2710 Evergreen Cliff Trail,
Kingwood, TX 77345
08/17/2020

Report Prepared For:

Marc Flach



6207 Fieldwood Lane, Conroe, Tx77304 Ph: 936-441-0016 Fax: 281-966-1780
Website: www.houstonstuccoinspections@gmail.com Email: stuccospec@consolidated.net



Marc Flach
2710 Evergreen Cliff
Trail, Kingwood, TX
77345 -08-17-2020

Executive Summary

Dear Marc,

Safe Aire Technology visited the above referenced property of 2710 Evergreen Cliff Trail, Kingwood, TX. The purpose of this Fungi Contamination/IAQ Investigation was 1.) to identify the condition(s) which could facilitate fungal (mold) amplification (growth) in the residence, 2.) to characterize the extent, if any, of fungal contamination of the residence, and 3.) to provide a general characterization of the indoor air quality of the residence. To this end, Safe Aire Technology performed a limited visual inspection with sampling of the Outside, Kitchen, Entertainment Room, Study and collected pertinent data information. This Limited Fungi Contamination/IAQ Assessment Report includes the findings and recommendations resulting from the Limited Fungi Contamination/IAQ Investigation conducted on this date. Four (4) air samples were taken and submitted for laboratory analysis. No exposure limits or standards have been established relating to fungal organisms or fungal contamination in residential settings. However, this investigation was conducted in accordance with current industry guidelines and practices. This assessment is not a certificate, assurance, warranty or guarantee of future conditions or performance, but is an evaluation of the conditions, which were present and detected on the date above. This inspection was limited to the leaked area on the third floor.

Air-O-Cell Sampling Results

Although air sampling has its limitations, it can be a useful tool in determining the extent of airborne fungal spores and whether or not hidden reservoirs of fungal growth are resulting in high concentrations of airborne fungal spores in the indoor environment. To conduct such air sampling, samples are collected from outdoors, the suspect area(s) and a non-complaint area(s) for purposes of comparison. The air samples were collected at a rate of 15 Liters per minute for 5 minutes, or a Total Volume per sample of 75 Liters.

Every residential structure, public and private building, has some fungi, spores and mycelial fragments, in it; however, it is generally accepted that the type (genus) of fungi found indoors should be similar to that found outdoors. The total Fungal Spores and Particulate Analysis report demonstrates that the total indoor airborne countable fungal spore levels found in the rooms sampled were lower than the outside levels. No significant elevated mold spores were found during the course of this inspection. (See complete laboratory report.)

Background Information/Suggestions/Repair Information:

- All a/c vents are clean. See Detail #7.1 to #7.6
- Always maintain cleanliness at HVAC equipment. See Detail #8.1 to #8.6



EMSL Analytical, Inc.

5950 Fairbanks N. Houston Rd. Houston, TX 77040
Tel/Fax: (713) 686-3635 / (713) 686-3645
http://www.EMSL.com / houstonlab@emsl.com

EMSL Order: 152005189
Customer ID: SAFE30
Customer PO:
Project ID:

Attention: Beth Harbison
Safe Aire Technology
6207 Fieldwood Lane
Conroe, TX 77304
Phone: (936) 441-0016
Fax: (281) 966-1780
Collected Date: 08/17/2020
Received Date: 08/18/2020 10:35 AM
Analyzed Date: 08/18/2020
Project: 2710 Evergreen Cliff Trail, Kingwood, TX 77345

Test Report: Air-O-Cell™ Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number: Client Sample ID: Volume (L): Sample Location:	152005189-0001 1-2439 75 Outside			152005189-0002 2-2371 75 Kitchen			152005189-0003 3-2360 75 Entertainment Room			
	Spore Types	Raw Count	Count/M ³	% of Total	Raw Count	Count/M ³	% of Total	Raw Count	Count/M ³	% of Total
Alternaria (Ulocladium)	1	40	0.1	-	-	-	-	-	-	-
Ascospores	209	9240	12.6	6	300	15.8	7	300	24.4	
Aspergillus/Penicillium	11	490	0.7	-	-	-	2	90	7.3	
Basidiospores	1430	63200	85.9	34	1500	78.9	15	660	53.7	
Bipolaris++	-	-	-	-	-	-	-	-	-	
Chaetomium	1*	10*	0	-	-	-	-	-	-	
Cladosporium	8	400	0.5	3	100	5.3	1	40	3.3	
Curvularia	2*	30*	0	-	-	-	2	90	7.3	
Epicoccum	-	-	-	-	-	-	-	-	-	
Fusarium	-	-	-	-	-	-	-	-	-	
Ganoderma	2	90	0.1	-	-	-	-	-	-	
Myxomycetes++	1	40	0.1	-	-	-	1*	10*	0.8	
Pithomyces++	-	-	-	-	-	-	-	-	-	
Rust	-	-	-	-	-	-	-	-	-	
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-	
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-	
Unidentifiable Spores	-	-	-	-	-	-	-	-	-	
Zygomycetes	-	-	-	-	-	-	-	-	-	
Cercospora++	1*	10*	0	-	-	-	1	40	3.3	
Nigrospora	1*	10*	0	-	-	-	-	-	-	
Pyricularia	1	40	0.1	-	-	-	-	-	-	
Total Fungi	1668	73600	100	43	1900	100	29	1230	100	
Hyphal Fragment	1*	10*	-	2	90	-	3	100	-	
Insect Fragment	-	-	-	1*	10*	-	1	40	-	
Pollen	-	-	-	-	-	-	-	-	-	
Analyt. Sensitivity 600x	-	44	-	-	44	-	-	44	-	
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-	
Skin Fragments (1-4)	-	1	-	-	2	-	-	2	-	
Fibrous Particulate (1-4)	-	1	-	-	2	-	-	2	-	
Background (1-5)	-	3	-	-	3	-	-	3	-	

low # inside compared to outside
cont. over
cont.
over

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.

Terri Lawrence

Terri Lawrence, Laboratory Manager
or other Approved Signatory

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

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are 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. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. 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. Results are not blank corrected unless otherwise noted. The detection limit is equal to one fungal spore, structure, pollen, fiber particle or insect fragment. "*" Denotes particles found at 300X. "-" Denotes not detected. Due to method stopping rules, raw counts in excess of 100 are extrapolated based on the percentage analyzed.

Samples analyzed by EMSL Analytical, Inc. Houston, TX AIHA-LAP, LLC—EMLAP Accredited #102575, Texas Mold LAB0105

Initial report from: 08/18/2020 04:51 PM

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



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Project: 2710 Evergreen Cliff Trail, Kingwood, TX 77345

Test Report: Air-O-Cell(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number:	152005189-0004		
Client Sample ID:	4-2452		
Volume (L):	75		
Sample Location:	Study		
Spore Types	Raw Count	Count/M³	% of Total
Alternaria (Ulocladium)	-	-	-
Ascospores	10	440	31.2
Aspergillus/Penicillium	-	-	-
Basidiospores	21	930	66
Bipolaris++	-	-	-
Chaetomium	-	-	-
Cladosporium	1	40	2.8
Curvularia	-	-	-
Epicoccum	-	-	-
Fusarium	-	-	-
Ganoderma	-	-	-
Myxomycetes++	-	-	-
Pithomyces++	-	-	-
Rust	-	-	-
Scopulariopsis/Microascus	-	-	-
Stachybotrys/Memnoniella	-	-	-
Unidentifiable Spores	-	-	-
Zygomycetes	-	-	-
Cercospora++	-	-	-
Nigrospora	-	-	-
Pyricularia	-	-	-
Total Fungi	32	1410	100
Hyphal Fragment	1	40	-
Insect Fragment	2	90	-
Pollen	-	-	-
Analyt. Sensitivity 600x	-	44	-
Analyt. Sensitivity 300x	-	13*	-
Skin Fragments (1-4)	-	1	-
Fibrous Particulate (1-4)	-	1	-
Background (1-5)	-	3	-

cont. *cont.* *Nice low # computed to outside 73,600*

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.

Terri Lawrence

Terri Lawrence, Laboratory Manager
or other Approved Signatory

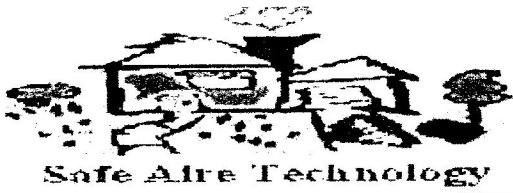
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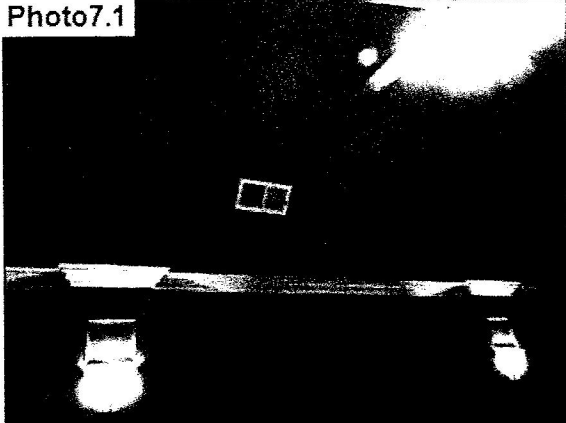
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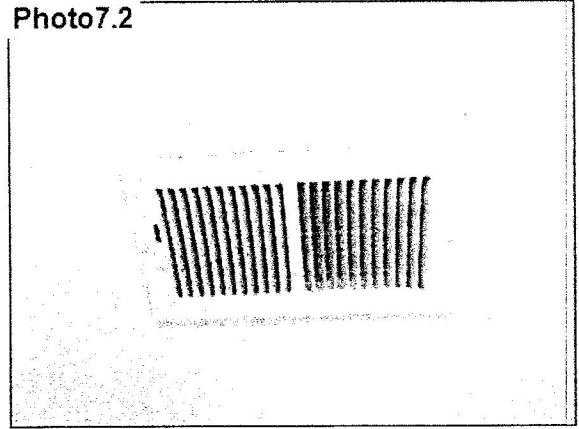
Marc Flach
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Photo7.1



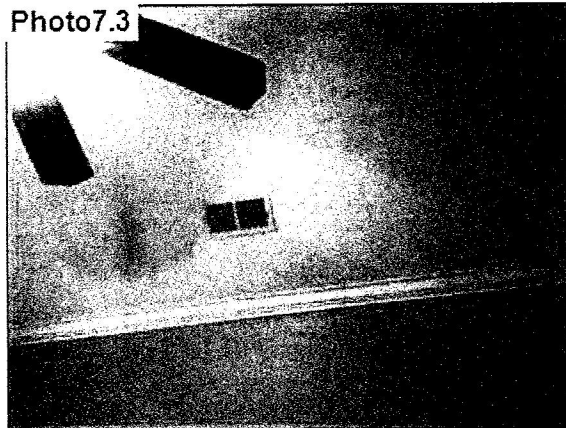
All a/c vents are clean

Photo7.2



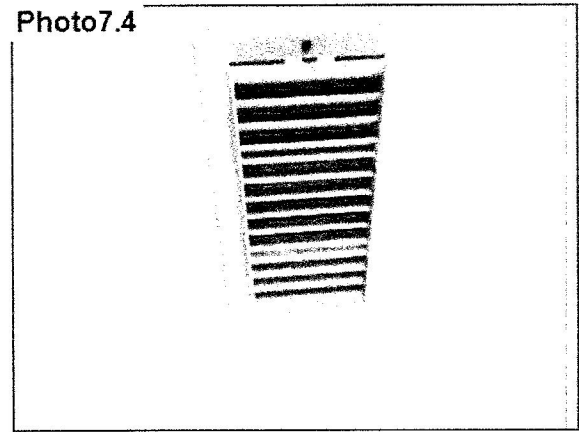
All a/c vents are clean

Photo7.3



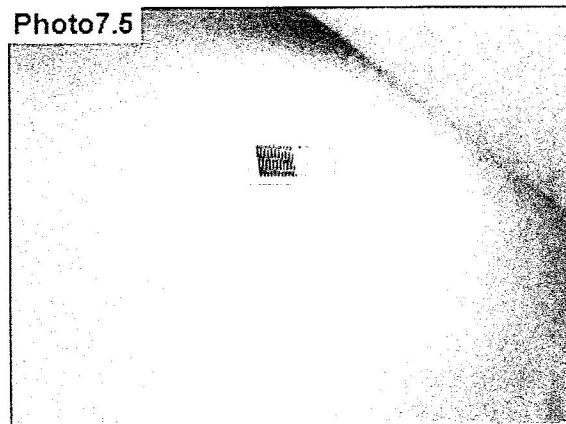
All a/c vents are clean

Photo7.4



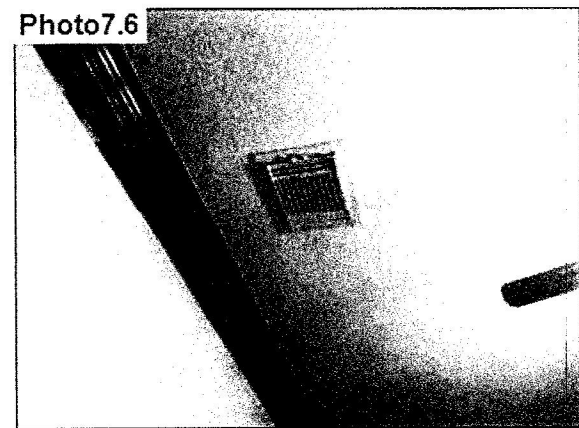
All a/c vents are clean

Photo7.5



All a/c vents are clean

Photo7.6



All a/c vents are clean



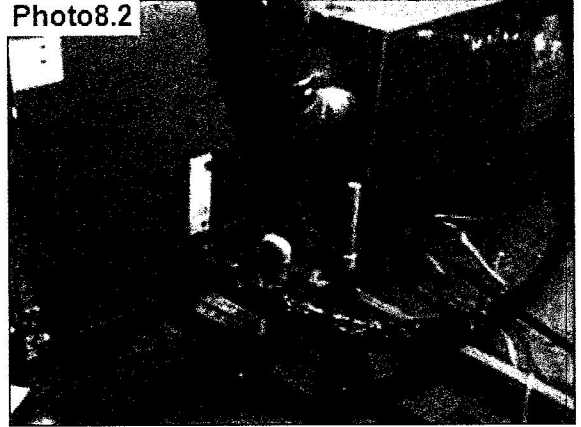
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Photo8.1



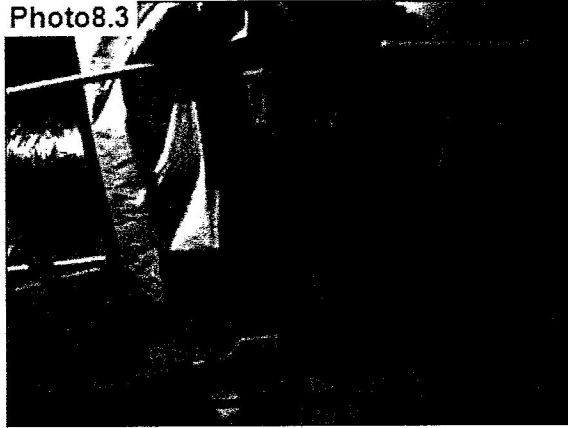
Always maintain cleanliness at HVAC equipment.

Photo8.2



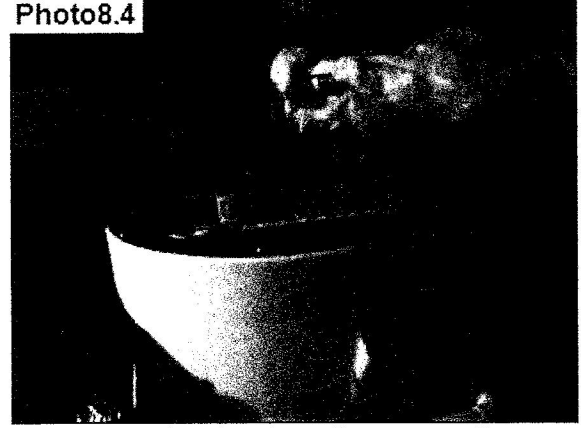
Always maintain cleanliness at all HVAC equipment.

Photo8.3



Always maintain cleanliness at all HVAC and hot water heater equipment.

Photo8.4



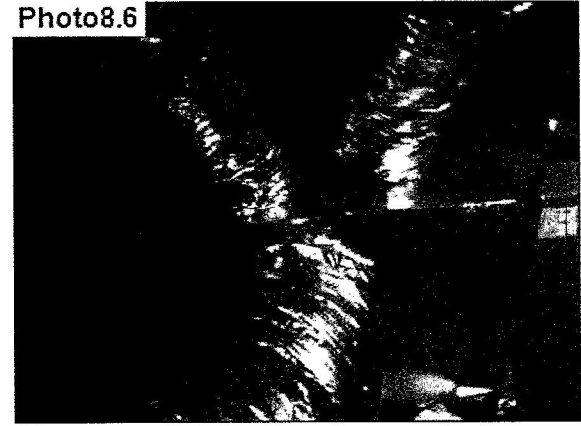
Always maintain cleanliness at all HVAC and hot water heater equipment.

Photo8.5



Always maintain cleanliness at all HVAC and hot water heater equipment.

Photo8.6



Always maintain cleanliness at all HVAC and hot water heater equipment.