

ENVIRONMENTAL ANALYSIS ASSOCIATES, INC.

306 5th Street, Suite 2A - Bay City, MI 48708



LABORATORY REPORT

QUANTITATIVE SURFACE MOLD AND DUST ANALYSIS

Report prepared for : ABC Environmental

Client Project # : 201156
Project Description : 875 Redwood Ln

EAA Project # : 21-0122

Samples Collected : 1/9/21
Samples received : 1/12/21
Date of Analysis : 1/13/21

Authorized / data reviewed by : *Joseph R. Heintskill*

Joseph R. Heintskill
Laboratory Manager

The EAA sample results are only applicable to the items tested and locations as received. Sample descriptions and volumetric data are provided by the client. All particle concentrations are rounded to 3 significant figures. In order for chart clarity, cells where the particle category was not detected are intentionally left blank.

Environmental Analysis Associates, Inc. (EAA) shall not be liable to the client or the client's customer with respect to interpretation, recommendations made or actions implemented by either the client or the client's customer as a result of or based upon the test results.

All samples were received in acceptable condition unless noted in the General Comments section of the data report.

**QUANTITATIVE SURFACE MOLD AND DUST ANALYSIS**

EAA Method #: DUST-D01

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Client Name : ABC Environmental

Client Project # : 201156

Project : 875 Redwood Ln

Requested by : Jane Kelly

Date collected : 1/9/21

Sample condition : Acceptable as received

EAA Project# : 21-0122

Date received : 1/12/21

Magnification 500X

Client Sample#	Sample Description / Location	Background Dust Loading - General Comments				
1	Bedroom 1	Elevated skin fragments				
2	Bedroom 2	Elevated skin fragments & cellulose				
3	Bathroom	Atypical skin fragments & mineral dust				
4	Master Bathroom	Typical dust				
5	Kitchen	Typical dust				
SURFACE MOLD SPORE CONCENTRATIONS (Cts./mm ²)						
Category	Sample # -->	1	2	3	4	5
Total Mold Spores (Cts/mm²)		5.0	3.6	8.7	2.5	3.2
Alternaria						0.4
Aspergillus/Penicillium				7.2		
Pigmented Asco & Basidio		0.7			0.4	1.1
Mix tiny, hyal Asco & Basidio		1.4	0.7			
Botrytis						
Chaetomium						
Cladosporium		2.9	2.2	0.7	1.8	1.1
Curvularia						
Drechslera/Bipolaris						
Epicoccum						
Fusicladium-like						
Nigrospora						
Oidium/Peronospora						
Pithomyces						
Rusts						
Smuts / Myxomycetes / Periconia			0.7		0.4	0.7
Stachybotrys				0.7		
Stemphylium						
Torula						
Ulocladium						
Other Hyaline Fungi						
Other Fungi						
Unidentified Fungi						
Hyphae fragments				0.7		
Algal / fern spores						
Insect parts						
POLLEN (Total cts/mm²)		0.7	not detected	not detected	not detected	1.1
Not specified		0.7				1.1
Pinus						
COMMON AEROSOLS (cts/mm²)						
Skin cell fragments		231.0	332.0	120.0	14.4	18.7
Fiberglass fibers			0.7			
Cellulosic / synthetic fibers		41.8	63.4	7.2	3.6	2.9
Unidentified opaque		13.0	49.0	29.6	11.9	9.4
Mineral / clay soil dust		130.0	163.0	199.0	44.0	72.1
OTHER AEROSOLS (cts/mm²)		not detected	not detected	not detected	not detected	not detected
Statistical Parameters						
Area analyzed (mm ²)--mold/aerosols:		1.39	1.39	1.39	2.77	2.77
Detect limit(Cts/mm ²)--mold/aerosols:		0.72	0.72	0.72	0.36	0.36
Raw Count Conversion Factor :		1.39	1.39	1.39	2.77	2.77
Microscopic fields counted :		10	10	10	20	20
Microscope field area (mm ²):		0.14	0.14	0.14	0.14	0.14

Note: Sample results are only applicable to the items tested and locations as received. Sample descriptions and volumetric data are provided by the client.

rev.2021-All Clients-1/4/21

Authorized / data reviewed by : Joseph R. Heintskill

Date: 1/13/21

Analyst : jls

Date analyzed: 1/13/21

EAA provides a separate **DUST PROFILE™** database on our website (eaalab.com) for a comparison with samples collected from other buildings nationwide. This reference document is only intended to provide an initial comparison with historical measurements compiled by EAA from other problem and non-problem buildings. The final opinions and interpretation regarding how the tested items apply to site specific conditions on your project are not provided within this EAA laboratory report, and can only be provided by the IEP or client that conducted the original inspection and sample collection.

QUANTITATIVE SURFACE MOLD AND DUST ANALYSIS
(Mold and Dust Comparison Summary - Cts/mm²)

EAA Method #: DUST-D01

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 end of report

Client Name : ABC Environmental
 Client Project # : 201156
 Requested by : Jane Kelly

Project description : 875 Redwood Ln
 EAA Project# : 21-0122

Sample # Description	Mold Spore	Aspergillus / Penicillium	Chronic W.I. Fungi	Outdoor Spores	Hyphae Fragments	Pollen	Skin cell Fragments	Fibrous Dust		Non-Fibrous dust		Other Particles
	* Total							Min. wool/ Fiberglass	Cellulose/ Synthetic	Unident. Opaque	Crystalline Mineral	
1 Bedroom 1	5.0			5.0		0.7	231.0		41.8	13.0	130.0	
2 Bedroom 2	3.6			3.6			332.0	0.7	63.4	49.0	163.0	
3 Bathroom	8.7	7.2	0.72	0.7	0.7		120.0		7.2	29.6	199.0	
4 Master Bathroom	2.5			2.5			14.4		3.6	11.9	44.0	
5 Kitchen	3.2			3.2		1.1	18.7		2.9	9.4	72.1	

* Note : All individual particle category values are rounded to 3 significant figures. As a result, individually summed mold categories may appear slightly different than the "Total" value
 Chronic water indicating fungi (W.I.), include the genera Chaetomium, Stachybotrys, Ulocladium, and Trichoderma. The hyphae fragments category includes hyphae (mycelia), phialides, perithecia, etc. In order for chart clarity, cells where the particle category was not detected are intentionally left blank.

DISCLAIMER: This **DUST PROFILE** Comparison Summary is only a supplement to the actual data reports provided by EAA and shall not be reproduced except in full without the written approval of the laboratory. The sample results are only applicable to the items tested and locations as received. The sample descriptions and volumetric data are provided by the client. The statistical guideline ranges are based on the percentile frequency of occurrence of settled mold and dust particles (cts/mm²) measured by EAA in over 750 commercial and residential building samples during 2017 and 2018. The ranges are only intended to be used as an initial comparison with levels measured on your project. The laboratory test results are secondary support information to be used in conjunction with a thorough visual inspection provided by a qualified environmental professional. The local background and site specific building conditions must be considered by the investigator in order to render an independent opinion and conclusion as to whether or not the concentrations measured by the EAA laboratory may represent a typical, atypical, or elevated condition on your specific project.

Range	Percentile
Elevated-6	>99%
Elevated-5	>95%
Atypical-4	>90%
Atypical-3	>75%
Typical-2	>50%
Typical-1	<50%