



EMSL Analytical, Inc.

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EMSL Order: 291204654
Customer ID: +37STHS25
Collected: 9/13/2012
Received: 9/13/2012
Analyzed: 9/14/2012

Proj:

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

Lab Sample Number:	291204654-0001			291204654-0002		
Client Sample ID:	Outside 1			Crawlspace 2		
Volume (L):	75			75		
Sample Location:						
Spore Types	Raw Count	Count/m ³	% of Total	Raw Count	Count/m ³	% of Total
Alternaria	-	-	-	2*	27*	0
Ascospores	2	84	3.9	1	42	0
Aspergillus/Penicillium	4	169	7.9	15100	637000	99.8
Basidiospores	33	1390	64.7	1	42	0
Bipolaris++	-	-	-	3	127	0
Chaetomium	-	-	-	-	-	-
Cladosporium	5	211	9.8	3	127	0
Curvularia	2	84	3.9	-	-	-
Epicoccum	-	-	-	1	42	0
Fusarium	1	42	2	-	-	-
Ganoderma	1	42	2	-	-	-
Myxomycetes++	1	42	2	3	127	0
Pithomyces	-	-	-	1	42	0
Rust	1	42	2	1	42	0
Scopulariopsis	-	-	-	-	-	-
Stachybotrys	-	-	-	-	-	-
Torula	-	-	-	2	84	0
Ulocladium	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-
Polythrincium	1	42	2	-	-	-
Total Fungi	51	2150	100	15118	638000	100
Hyphal Fragment	1	42	-	11	464	-
Insect Fragment	-	-	-	2	84	-
Pollen	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	42	-	-	42	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	1	-	-	3	-
Fibrous Particulate (1-4)	-	1	-	-	1	-
Background (1-5)	-	1	-	-	3	-

Sample Comments: 291204654-0002 Penicillium conidiophores present in sample.

Bipolaris++ = Bipolaris/Dreschlera/Exserohilum
Myxomycetes++ = Myxomycetes/Periconia/Smut

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

Alan Goldstein, Ph.D., Laboratory Manager
or Other Approved Signatory

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. 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.

Initial report from: 09/14/2012 11:53:17

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