



Direct Exam: Spore Trap Analysis



SAI Method B-SOP-003

Client: Scientific Analytical Institute, Inc.
4604 Dundas Dr.
Greensboro, NC 27407

Attn: Palmer Hines

Lab Order ID: 1711454
Analysis ID: 1711454_STA
Date Received: 06/01/2017
Date Reported: 06/01/2017

Project: STA Sample Report

Sample ID	01			02			03			EXTERIOR		
Lab Sample ID	1711454_STA_001			1711454_STA_002			1711454_STA_003			AVERAGE		
Description	Kitchen			Master Bedroom			Master Bath			N/A		
Lab Notes										N/A		
Volume(L)	150			150			150			N/A		
Analytical Sensitivity (counts/m ³)	39			39			39			N/A		
IDENTIFICATION	Raw Count	Concentration (counts/m ³)	% Of Total	Raw Count	Concentration (counts/m ³)	% Of Total	Raw Count	Concentration (counts/m ³)	% Of Total	Raw Count	Concentration (counts/m ³)	% Of Total
<i>Alternaria</i>				1	39.0	1.28%				4	177	1.50%
Ascospores	22	862	41.5%	16	627	20.5%	19	744	4.99%	172	6760	63.2%
<i>Aspergillus/ Penicillium-like</i>	13	509	24.5%	35	1370	44.9%	>300	>11800	78.7%**	6	216	2.20%
Basidiospores	6	235	11.3%	11	431	14.1%	9	353	2.36%	45	1760	16.5%
<i>Cercospora-like</i>										2	59.0	0.700%
<i>Chaetomium</i>				1	39.0	1.28%	16	627	4.20%			
<i>Cladosporium</i>	9	353	17.0%	12	470.	15.4%	22	862	5.77%	34	1310	12.5%
<i>Curvularia</i>							1	39.0	0.262%	2	78.0	0.700%
<i>Epicoccum</i>	1	39.0	1.89%				2	78.0	0.525%	4	157	1.50%
Myxomycete/ Rust/ Smut-like	2	78.0	3.77%	2	78.0	2.56%	3	118	0.787%			
<i>Polythrincium</i>										1	39.0	0.400%
<i>Stachybotrys</i>							9	353	2.36%			
<i>Tetraploa</i>										<1	20.0	N/A
<i>Torula</i>										<1	20.0	N/A
Unknown/Other										2	59.0	0.700%
TOTAL	53	2080	100.0%	78	3060	100.0%	>381	>14900	100.0%	272	10700	100.0%
Non-Cellulosic Fibers	2	78.0	-	3	118	-	7	274	-	-	-	-
Hyphal Fragments	1	39.0	-	3	118	-	6	235	-	3	118	-
Insect Parts	-	-	-	-	-	-	-	-	-	0	20.0	-
Pollen	1	39.0	-	-	-	-	2	78.0	-	12	470.	-
Skin Cell % of Total Debris		60-80%			80-100%			60-80%			N/A	
Total Debris in Background		60-80%			80-100%			80-100%			N/A	

Disclaimer: This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. Unless otherwise noted blank sample correction was not performed on analytical results. Scientific Analytical Institute participates in the AIHA EMPAT program for fungi. EMPAT Laboratory ID: 173190. Reporting Limit equals Analytical Sensitivity.

**High spore concentrations denote an approximate percentage of total amount.

Palmer Hines (5)

Analyst

Approved Signatory



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Sample ID	04			05			EXTERIOR		
Lab Sample ID	1711454_STA_004			1711454_STA_005			AVERAGE		
Description	Exterior- Front			Exterior- Rear			N/A		
Lab Notes							N/A		
Volume(L)	150			150			N/A		
Analytical Sensitivity (counts/m ³)	39			39			N/A		
IDENTIFICATION	Raw Count	Concentration (counts/m ³)	% Of Total	Raw Count	Concentration (counts/m ³)	% Of Total	Raw Count	Concentration (counts/m ³)	% Of Total
<i>Alternaria</i>	3	118	1.17%	6	235	2.08%	4	177	1.50%
Ascospores	159	6230	62.1%	186	7290	64.6%	172	6760	63.2%
<i>Aspergillus/ Penicillium-like</i>				11	431	3.82%	6	216	2.20%
Basidiospores	49	1920	19.1%	41	1610	14.2%	45	1760	16.5%
<i>Cercospora-like</i>	3	118	1.17%				2	59.0	0.700%
<i>Chaetomium</i>									
<i>Cladosporium</i>	31	1220	12.1%	36	1410	12.5%	34	1310	12.5%
<i>Curvularia</i>	2	78.0	0.781%	2	78.0	0.694%	2	78.0	0.700%
<i>Epicoccum</i>	5	196	1.95%	3	118	1.04%	4	157	1.50%
Myxomycete/ Rust/ Smut-like									
<i>Polythrincium</i>	2	78.0	0.781%				1	39.0	0.400%
<i>Stachybotrys</i>									
<i>Tetraploa</i>				1	39.0	0.347%	<1	20.0	N/A
<i>Torula</i>	1	39.0	0.391%				<1	20.0	N/A
Unknown/Other	1	39.0	0.391%	2	78.0	0.694%	2	59.0	0.700%
TOTAL	256	10000	100.0%	288	11300	100.0%	272	10700	100.0%
Non-Cellulosic Fibers	-	-	-	-	-	-	-	-	-
Hyphal Fragments	2	78.0	-	4	157	-	3	118	-
Insect Parts	-	-	-	1	39.0	-	0	20.0	-
Pollen	13	509	-	11	431	-	12	470.	-
Skin Cell % of Total Debris		0-20%			0-20%			N/A	
Total Debris in Background		60-80%			60-80%			N/A	

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