



Direct Exam: Spore Trap Analysis



SAI Method B-SOP-003

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

Attn: Nathan Durham

Lab Order ID: 1422783
Analysis ID: 1422783_STA
Date Received: 11/20/2014
Date Reported: 11/20/2014

Project: This is a test project

Sample ID	111514 SAI01			111514 SAI02			111514 SAI03			EXTERIOR		
Lab Sample ID	1422783_STA_001			1422783_STA_002			1422783_STA_003			AVERAGE		
Description	Room 16			Room 23			Exterior 1			N/A		
Lab Notes	Note 1									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	20	N/A			
Ascospores	235	9,208	59.2 %	74	2,900	25.4 %	265	10,384	51.2 %	238	9,326	49.9 %
<i>Aspergillus/ Penicillium-like</i>				120	4,702	41.2 %						
Basidiospores	114	4,467	28.7 %	94	3,683	32.3 %	194	7,602	37.5 %	180	7,034	37.7 %
<i>Cercospora</i>							2	78	0.4 %	1	39	0.2 %
<i>Cladosporium</i>	4	157	1.0 %	3	118	1.0 %	48	1,881	9.3 %	52	2,018	10.9 %
<i>Curvularia</i>										<1	20	N/A
Custom-LIKE	42	1,646	10.6 %									
<i>Epicoccum</i>							1	39	0.2 %	<1	20	N/A
Myxomycete/ Rust/ Smut-like	2	78	0.5 %				4	157	0.8 %	3	118	0.6 %
<i>Pyricularia</i>							2	78	0.4 %	1	39	0.2 %
Unknown/Other							2	78	0.4 %	2	59	0.4 %
TOTAL	397	15,556	100%	291	11,403	100%	518	20,297	100%	477	18,693	100%
Non-Cellulosic Fibers	-	-	-	-	-	-	-	-	-	-	-	-
Hyphal Fragments	1	39	-	-	-	-	2	78	-	2	98	-
Insect Parts	-	-	-	-	-	-	-	-	-	-	-	-
Pollen	1	39	-	1	39	-	16	627	-	14	568	-
Skin Cell % of Total Debris		0-20%			60-80%			0-20%			N/A	
Total Debris in Background		60-80%			60-80%			60-80%			N/A	

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Palmer Hines (3)
Darrin Parrick (2)

Analyst

Approved Signatory



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Sample ID	111514 SAI04			111514 SAI05			EXTERIOR			
Lab Sample ID	1422783_STA_004			1422783_STA_005			AVERAGE			
Description	Exterior 2			Blank			N/A			
Lab Notes							N/A			
Volume(L)	150			0			N/A			
Analytical Sensitivity (counts/m³)	39			1			N/A			
IDENTIFICATION	Raw Count	Concentration (counts/m³)	% Of Total	Raw Count	Concentration (counts/m³)	% Of Total	Raw Count	Concentration (counts/m³)	% Of Total	
<i>Alternaria</i>	1	39	0.2 %	No Spores Detected	<1	20	N/A	<1	20	N/A
Ascospores	211	8,268	48.4 %		238	9,326	49.9 %			
<i>Aspergillus/ Penicillium-like</i>										
Basidiospores	165	6,465	37.8 %		180	7,034	37.7 %			
<i>Cercospora</i>					1	39	0.2 %			
<i>Cladosporium</i>	55	2,155	12.6 %		52	2,018	10.9 %			
<i>Curvularia</i>	1	39	0.2 %		<1	20	N/A			
Custom-LIKE										
<i>Epicoccum</i>					<1	20	N/A			
Myxomycete/ Rust/ Smut-like	2	78	0.5 %		3	118	0.6 %			
<i>Pyricularia</i>					1	39	0.2 %			
Unknown/Other	1	39	0.2 %		2	59	0.4 %			
TOTAL	436	17,083	100%		<1	<1	N/A	477	18,693	100%
Non-Cellulosic Fibers	-	-	-	-	-	-	-	-	-	
Hyphal Fragments	3	118	-	-	-	-	2	98	-	
Insect Parts	-	-	-	-	-	-	-	-	-	
Pollen	13	509	-	-	-	-	14	568	-	
Skin Cell % of Total Debris		0-20%			0%			N/A		
Total Debris in Background		40-60%			0%			N/A		

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