

SPORE TRAP REPORT

DATE Work Order: 1809019 ed: 9/5/18 Project Number: 08161784-14

PSI, Inc. Reported: 9/5/18 Project Number: 08161784-14
850 Poplar Street Analyzed: 9/5/18 Project Name: Pine-Richland - Hance

Pittsburgh, PA 15220 Received: 9/4/18

Sampled: 9/4/18 Analyst: TV

Revised: 9/5/18

AIHA-LAP, LLC, Lab #100373 TX License: LAB0145 TEST METHOD: PSI-WI-620-816

AIHA-LAP, LLC. Lab #100373	_ab #100373 TX License: LAB0145				TEST METHOD: PSI-WI-620-8					
LAB NUMBER:	001A				002A		003A			
Client ID:	26609203			26608116			26609496			
Location:	RM 129				RM 128		RM 133			
Comments:										
Detection Limit(spores/m³):		13			13			13		
Hyphal Fragments	2	27		3	40		5	67		
Pollen										
Sample Description:	Air-O-Cell			Air-O-Cell			Air-O-Cell			
	raw ct.	spores/m ³	%	raw ct.	spores/m ³	%	raw ct.	spores/m ³	%	
Cladosporium sp.	3	40	3.09	6	80	4.88	8	110	6.78	
Ascospores	72	960	74.23	97	1300	78.86	84	1100	71.19	
Basidiospores	8	110	8.25	4	53	3.25	5	67	4.24	
Smuts/Myxomycetes				1	13	0.81	2	27	1.69	
Peronospora/Oidium sp.										
Pen./Asp. Group	14	190	14.43	14	190	11.38	16	210	13.56	
Alternaria sp.							1	13	0.85	
Drechslera/Bipolaris										
Spegazzinia sp.										
Tetraploa sp.										
Curvularia sp.										
Stachybotrys sp.										
Unknown/Brown*										
Torula sp.										
Ulocladium sp.										
Chaetomium sp.										
Pithomyces sp.										
Epicoccum sp.										
Polythrincium sp.										
Pestalotia sp.										
Cercospora sp.										
Rusts										
Nigrospora sp.										
Ganoderma sp.				1	13	0.81	2	27	1.69	
Background debris (1-5)**	2			2			3			
Sample Volume (liters)	75			75			75			
TOTAL ‡	97	1,300	100	123	1,600	100	118	1,600	100	

Total % may not equal 100 due to rounding.



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Attn: Mike Kopar Revised: 9/5/18

AIHA-LAP, LLC, Lab #100373 TX License: LAB0145 TEST METHOD: PSI-WI-620-816

Client ID: 26602289 26608110 26608138	AIHA-LAP, LLC. Lab #100373	_	TX License: LAB0145					TEST METHOD: PSI-WI-620-816			
Coation: RM 145 RM 117 RM 124	LAB NUMBER:	004A			005A			006A			
Comments:	Client ID:	26602289						26608138			
Detection Limit(spores/m³): 13 13 13 13 13 14 53	Location:	RM 145			RM 117			RM 124			
Hyphal Fragments	Comments:										
Pollen Sample Description: Air-O-Cell	Detection Limit(spores/m³):	13						13			
Sample Description:	Hyphal Fragments				1	13		4	53		
raw ct. spores/m³ % raw ct. spores/m³ % raw ct. spores/m³ % Ra	Pollen										
1	Sample Description:										
Ascospores 9 120 75.00 48 640 60.76 45 600 46.88 Basidiospores 111 150 13.92 14 190 14.58 Smuts/Myxomycetes 1 1 13 1.27 4 53 4.17 Peronospora/Oidium sp. Pen./Asp. Group 2 27 16.67 12 160 15.19 26 350 27.08 Alternaria sp. Drechslera/Bipolaris Spegazzinia sp. Tetraploa sp. Curvularia sp. Ulokladium sp. Ulokladium sp. Pithomyces sp. Pithomyces sp. Polythrincium sp. Postalotia sp. Cercospora sp. Rusts Nigrospora sp. Rusts Nigrospora sp. Background debris (1-5)** 2 Sample Volume (liters) 75 Sample Volume (liters) 75 Smuts/Myxomycetes 11 13 1.27 Sample Volume (liters) 75 Spegazzinia 11 150 13.92 14 190 14.58 Sp. 11 150 15.19 26 350 27.08 Sp. 12 16.67 12 160 15.19 26 350 27.08 Sp. 13 1.27 Sp. 14 153 1.27 Sp. 153 1.27		raw ct.	spores/m ³	%	raw ct.	spores/m ³	%	raw ct.	spores/m ³	%	
Basidiospores	Cladosporium sp.	1	13	8.33	4	53	5.06	4	53	4.17	
1 13 1.27 4 53 4.17	Ascospores	9	120	75.00	48	640	60.76	45	600	46.88	
Pernospora/Oidium sp. 2 27 16.67 12 160 15.19 26 350 27.08	Basidiospores				11	150	13.92	14	190	14.58	
Pen./Asp. Group 2 27 16.67 12 160 15.19 26 350 27.08	Smuts/Myxomycetes				1	13	1.27	4	53	4.17	
Pen./Asp. Group 2 27 16.67 12 160 15.19 26 350 27.08	Peronospora/Oidium sp.										
Drechslera/Bipolaris Spegazzinia sp. Spega	Pen./Asp. Group	2	27	16.67	12	160	15.19	26	350	27.08	
Spegazzinia sp.	Alternaria sp.										
Tetraploa sp. Curvularia sp. Stachybotrys sp. Unknown/Brown*	Drechslera/Bipolaris										
Tetraploa sp. Curvularia sp. Stachybotrys sp. Unknown/Brown*	Spegazzinia sp.										
Curvularia sp. Stachybotrys sp. Unknown/Brown* 1 13 1.27 Torula sp. Ulocladium sp. Ulocladium sp. Ulocladium sp. Chaetomium sp. 1 13 1.04 Epicoccum sp. 1 13 1.04 Epicoccum sp. 1 13 1.27 Pestalotia sp. 1 13 1.27 Rusts 1 13 1.27 Nigrospora sp. 1 13 1.27 1 13 1.04 Ganoderma sp. 1 13 1.27 1 13 1.04 Background debris (1-5)** 2 3 3 3 75											
Unknown/Brown* Torula sp. Ulocladium sp. Chaetomium sp. Pithomyces sp. Epicoccum sp. Polythrincium sp. Pestalotia sp. Cercospora sp. Rusts Nigrospora sp. Background debris (1-5)** 2 Sample Volume (liters) 1 13 1.27 1 13 1.27 1 13 1.04 1 13 1.27 1 13 1.04 3 3 75	Curvularia sp.										
Torula sp. Ulocladium sp. Chaetomium sp. Pithomyces sp. 1 13 1.04 Epicoccum sp. Polythrincium sp. Pestalotia sp. Cercospora sp. 1 13 1.27	Stachybotrys sp.										
Ulocladium sp. 1 13 1.04 Pithomyces sp. 1 13 1.04 Epicoccum sp. 1 13 1.04 Polythrincium sp. 2 3 1 13 1.27 1 13 1.27 1 13 1.04 1 13 1.04 1 13 1.04 1 13 1.04 1 13 1.04 1 1 13 1.04 1	Unknown/Brown*				1	13	1.27				
Chaetomium sp. 1 13 1.04 Pithomyces sp. 1 13 1.04 Epicoccum sp. 9 1 13 1.27 Pestalotia sp. 1 13 1.27 1 Rusts 1 13 1.27 1 13 1.04 Ganoderma sp. 1 13 1.27 1 13 1.04 Background debris (1-5)** 2 3 3 3 75 Sample Volume (liters) 75 75 75 75 75	Torula sp.										
Pithomyces sp. 1 13 1.04 Epicoccum sp. 90lythrincium sp. 9	Ulocladium sp.										
Epicoccum sp. Polythrincium sp. Pestalotia sp. Cercospora sp. Rusts Nigrospora sp. Ganoderma sp. 1 13 1.27 1 13 1.04	Chaetomium sp.										
Polythrincium sp. Pestalotia sp. Cercospora sp. Rusts Nigrospora sp. Ganoderma sp. 1 13 1.27 1 13 1.04 1 13 1.04 1 13 1.04 1 13 1.04 1 13 1.04 1 13 1.04 1 13 1.04 1 13 1.04 1 13 1.04 1 13 1.04 1 13 1.04	Pithomyces sp.							1	13	1.04	
Pestalotia sp. 1 13 1.27 13 1.27 13 1.04 14 13 1.04 14 14 14 14 14 14 14 14 14 14 14 14 14 14	Epicoccum sp.										
Cercospora sp. 1 13 1.27 Image: certain sp. of the content of the	Polythrincium sp.										
Rusts Nigrospora sp. Ganoderma sp. 1 13 1.04 1 13 1.04 1 13 1.27 1 13 1.04 Background debris (1-5)** 2 Sample Volume (liters) 75	Pestalotia sp.										
Nigrospora sp. Ganoderma sp. 1 13 1.04 1 13 1.04 1 13 1.04 1 13 1.04 1 13 1.04 1 13 1.04 1 13 1.04 1 13 1.04	Cercospora sp.				1	13	1.27				
Sample Volume (liters) Total Park Tota	Rusts										
Background debris (1-5)** 2 3 3 3 75 75	Nigrospora sp.							1	13	1.04	
Sample Volume (liters) 75 75 75	Ganoderma sp.				1	13	1.27	1	13	1.04	
Sample Volume (liters) 75 75 75											
Sample Volume (liters) 75 75 75											
Sample Volume (liters) 75 75 75											
Sample Volume (liters) 75 75 75											
Sample Volume (liters) 75 75 75											
Sample Volume (liters) 75 75 75											
Sample Volume (liters) 75 75 75	Background debris (1-5)**	2			3			3	,		
	Sample Volume (liters)	75			75			75			
	TOTAL ‡		160	100	79	1,100	100		1,300	100	

Total % may not equal 100 due to rounding.



SPORE TRAP REPORT

PSI, Inc. DATE Work Order: 1809019
850 Poplar Street Reported: 9/5/18 Project Number: 08161782

850 Poplar Street Reported: 9/5/18 Project Number: 08161784-14
Pittsburgh, PA 15220 Analyzed: 9/5/18 Project Name: Pine-Richland - Hance

Received: 9/4/18

Sampled: 9/4/18 Analyst: TV

Revised: 9/5/18

(Revised to Correct Sample Date as per MK) - TJV

Specific Sample Comments:

Attn: Mike Kopar

General Report Comments:

- * Unknown/brown are spores without a distinctive morphology on spore traps and non-viable surface samples.
- ** Background debris is the amount of particulate matter present on the slide and is graded from 1-5 with 1 being very little, while a debris rating of 5 is unreadable.
 - The higher the rating the more likelihood spores may be underestimated.
 - A rating of 4 should be interpreted as minimal counts and may actually be higher than reported.
- ‡ Total spores/m³ has been rounded to two significant figures to reflect analytical precision.

All samples were analyzed at 400x or 600x magnification unless noted.

The reporting limit is one spore/item adjusted for volume. Entire trace was analyzed unless noted.

Results relate only to items tested. Results are not corrected for blank data.

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Samples will be disposed of within thirty (30) days unless notified in writing by the client.

Results based on volume measurement provided by the client.

Disclaimer: The laboratory is not responsible for interpretation of test results or for methods used during sampling.

All samples were in acceptable condition unless noted.

Respectfully submitted, PSI, Inc.

Brake

Jack Maake, Approved Signatory