



SPORE TRAP REPORT (PRELIMINARY REPORT 8-26-2018)

PSI, Inc.
850 Poplar Street
Pittsburgh, PA 15220

Attn: Mike Kopar

DATE
Reported: 8/26/18
Analyzed: 8/26/18
Received: 8/25/18
Sampled: 8/25/18

Work Order: 1808699
Project Number: 08161784-14
Project Name: Pine-Richland - Hance

Analyst: JM

AIHA-LAP, LLC. Lab #100373

TX License: LAB0145

TEST METHOD: PSI-WI-620-816

LAB NUMBER:	001A			002A			003A		
Client ID:	2660 8157			2660 8152			2660 8153		
Location:	100 Office			101 Cafeteria			102 Nurse		
Comments:									
Detection Limit(spores/m ³):	13			13			13		
Hyphal Fragments	2	27		1	13		2	27	
Pollen	1	13							
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	6.52	1	13	3.33
Ascospores	3	40	27.27	9	120	19.57	17	230	56.67
Basidiospores	5	67	45.45	26	350	56.52	6	80	20.00
Smuts/Myxomycetes	1	13	9.09	2	27	4.35	2	27	6.67
Peronospora/Oidium sp.									
Pen./Asp. Group									
Alternaria sp.									
Drechslera/Bipolaris									
Spegazzinia sp.									
Tetraploa sp.									
Curvularia sp.									
Stachybotrys sp.									
Unknown/Brown*	1	13	9.09	2	27	4.35	1	13	3.33
Torula sp.									
Ulocladium sp.									
Chaetomium sp.									
Pithomyces sp.									
Epicoccum sp.									
Polythrincium sp.									
Pestalotia sp.									
Cercospora sp.									
Rusts									
Nigrospora sp.									
Ganoderma sp.	1	13	9.09	4	53	8.70	3	40	10.00
Background debris (1-5)**	3			3			3		
Sample Volume (liters)	75			75			75		
TOTAL †	11	150	100	46	620	100	30	400	100

Total % may not equal 100 due to rounding.



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TEST METHOD: PSI-WI-620-816

LAB NUMBER:	004A			005A			006A		
Client ID:	2660 8151			2660 8197			2660 8207		
Location:	103 Kitchen			104 Gym			Room 105		
Comments:									
Detection Limit(spores/m ³):	13			13			13		
Hyphal Fragments	3	40		1	13		1	13	
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.	6	80	3.45	2	27	3.13			
Ascospores	105	1400	60.34	38	510	59.38	9	120	64.29
Basidiospores	48	640	27.59	19	250	29.69	3	40	21.43
Smuts/Myxomycetes	3	40	1.72	1	13	1.56	1	13	7.14
Peronospora/Oidium sp.									
Pen./Asp. Group									
Alternaria sp.									
Drechslera/Bipolaris									
Spegazzinia sp.	1	13	0.57						
Tetraploa sp.									
Curvularia sp.									
Stachybotrys sp.									
Unknown/Brown*	3	40	1.72	1	13	1.56			
Torula sp.									
Ulocladium sp.									
Chaetomium sp.									
Pithomyces sp.	1	13	0.57						
Epicoccum sp.									
Polythrincium sp.									
Pestalotia sp.									
Cercospora sp.									
Rusts									
Nigrospora sp.									
Ganoderma sp.	7	93	4.02	3	40	4.69	1	13	7.14
Background debris (1-5)**	3			3			2		
Sample Volume (liters)	75			75			75		
TOTAL †	174	2,300	100	64	850	100	14	190	100

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TEST METHOD: PSI-WI-620-816

LAB NUMBER:	007A			008A			009A		
Client ID:	2660 8192			2660 8191			2660 9490		
Location:	Room 106			Room 108			Room 107		
Comments:									
Detection Limit(spores/m ³):	13			13			13		
Hyphal Fragments				2	27		4	53	
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.				1	13	0.47	12	160	11.32
Ascospores	35	470	51.47	126	1700	59.15	55	730	51.89
Basidiospores	27	360	39.71	74	990	34.74	31	410	29.25
Smuts/Myxomycetes	2	27	2.94	3	40	1.41	2	27	1.89
Peronospora/Oidium sp.									
Pen./Asp. Group									
Alternaria sp.									
Drechslera/Bipolaris									
Spegazzinia sp.									
Tetraploa sp.									
Curvularia sp.				1	13	0.47			
Stachybotrys sp.									
Unknown/Brown*	1	13	1.47	2	27	0.94	2	27	1.89
Torula sp.									
Ulocladium sp.									
Chaetomium sp.									
Pithomyces sp.				1	13	0.47			
Epicoccum sp.									
Polythrincium sp.									
Pestalotia sp.									
Cercospora sp.									
Rusts									
Nigrospora sp.									
Ganoderma sp.	3	40	4.41	5	67	2.35	4	53	3.77
Background debris (1-5)**	2			3			3		
Sample Volume (liters)	75			75			75		
TOTAL †	68	910	100	213	2,900	100	106	1,400	100

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TX License: LAB0145

TEST METHOD: PSI-WI-620-816

LAB NUMBER:	010A			011A			012A		
Client ID:	2660 8196			2660 8194			2660 8106		
Location:	Room 109			Room 110			Room 111		
Comments:									
Detection Limit(spores/m ³):	13			13			13		
Hyphal Fragments				2	27		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.				1	13	2.78	39	520	26.71
Ascospores	10	130	58.82	17	230	47.22	64	850	43.84
Basidiospores	6	80	35.29	14	190	38.89	27	360	18.49
Smuts/Myxomycetes	1	13	5.88	1	13	2.78	3	40	2.05
Peronospora/Oidium sp.									
Pen./Asp. Group							2	27	1.37
Alternaria sp.									
Drechslera/Bipolaris									
Spegazzinia sp.									
Tetraploa sp.									
Curvularia sp.									
Stachybotrys sp.							1	13	0.68
Unknown/Brown*				1	13	2.78	2	27	1.37
Torula sp.									
Ulocladium sp.									
Chaetomium sp.									
Pithomyces sp.									
Epicoccum sp.									
Polythrincium sp.									
Pestalotia sp.									
Cercospora sp.									
Rusts									
Nigrospora sp.									
Ganoderma sp.				2	27	5.56	8	110	5.48
Background debris (1-5)**	2			2			3		
Sample Volume (liters)	75			75			75		
TOTAL †	17	220	100	36	490	100	146	1,900	100

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LAB NUMBER:	016A			017A		
Client ID:	2660 8182			2660 8212		
Location:	115 Computer			Room 116		
Comments:						
Detection Limit(spores/m ³):	13			13		
Hyphal Fragments	3	40		1	13	
Pollen						
Sample Description:	Air-O-Cell			Air-O-Cell		
	raw ct.	spores/m ³	%	raw ct.	spores/m ³	%
Cladosporium sp.						
Ascospores	6	80	42.86	3	40	37.50
Basidiospores	2	27	14.29	2	27	25.00
Smuts/Myxomycetes	2	27	14.29	1	13	12.50
Peronospora/Oidium sp.						
Pen./Asp. Group						
Alternaria sp.						
Drechslera/Bipolaris						
Spegazzinia sp.						
Tetraploa sp.						
Curvularia sp.						
Stachybotrys sp.						
Unknown/Brown*	2	27	14.29	1	13	12.50
Torula sp.						
Ulocladium sp.						
Chaetomium sp.						
Pithomyces sp.						
Epicoccum sp.						
Polythrincium sp.						
Pestalotia sp.						
Cercospora sp.						
Rusts						
Nigrospora sp.						
Ganoderma sp.	2	27	14.29	1	13	12.50
Background debris (1-5)**	3			3		
Sample Volume (liters)	75			75		
TOTAL ‡	14	190	100	8	110	100

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Specific Sample Comments:

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.