



SPORE TRAP REPORT

PSI, Inc.
850 Poplar Street
Pittsburgh, PA 15220

DATE
Reported: 8/8/24
Analyzed: 8/8/24
Received: 8/5/24
Sampled: 7/31/24 & 8/5/24

Work Order: 2408095
Project Number: 08161784-24
Project Name: Pine-Richland SD
Analyst: TV

Attn: Mike Kopar

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

LAB NUMBER:	001A			002A			003A		
Client ID:	MS Outside			MS 103			MS 202		
Location:	Middle School - Outside Maint. Area			Middle School - RM 103			Middle School - RM 202		
Comments:									
Detection Limit(spores/m ³):	13			13			13		
Hyphal Fragments	2	27					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.	49	650	3.20				14	190	12.73
Ascospores	1352	18000	88.31	27	360	93.10	80	1100	72.73
Basidiospores	92	1200	6.01	2	27	6.90	11	150	10.00
Smuts/Myxomycetes	3	40	0.20						
Peronospora/Oidium sp.									
Pen./Asp. Group	12	160	0.78				3	40	2.73
Alternaria sp.									
Drechslera/Bipolaris									
Spegazzinia sp.									
Tetraploa sp.									
Curvularia sp.									
Stachybotrys sp.									
Unknown/Brown*	1	13	0.07						
Torula sp.	14	190	0.91						
Ulocladium sp.									
Chaetomium sp.									
Pithomyces sp.									
Epicoccum sp.									
Polythrincium sp.									
Pestalotia sp.									
Cercospora sp.									
Rusts									
Nigrospora sp.									
Ganoderma sp.	6	80	0.39						
Zygophiala sp.	2	27	0.13				2	27	1.82
Background debris (1-5)**	2			1			3		
Sample Volume (liters)	75			75			75		
TOTAL †	1531	20,000	100	29	390	100	110	1,500	100

Total % may not equal 100 due to rounding.



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

LAB NUMBER:	004A			005A			006A		
Client ID:	MS 304			MS 404			MS Weight Room		
Location:	Middle School - RM 304			Middle School - Room 404			Middle School - Weight Room		
Comments:									
Detection Limit(spores/m ³):	13			13			13		
Hyphal Fragments	2	27							
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.	5	67	5.88	2	27	3.92	6	80	8.45
Ascospores	72	960	84.71	44	590	86.27	53	710	74.65
Basidiospores	5	67	5.88	2	27	3.92	6	80	8.45
Smuts/Myxomycetes	2	27	2.35	1	13	1.96			
Peronospora/Oidium sp.									
Pen./Asp. Group							6	80	8.45
Alternaria sp.									
Drechslera/Bipolaris									
Spegazzinia sp.									
Tetraploa sp.									
Curvularia sp.									
Stachybotrys sp.									
Unknown/Brown*									
Torula sp.									
Ulocladium sp.									
Chaetomium sp.									
Pithomyces sp.				2	27	3.92			
Epicoccum sp.									
Polythrincium sp.									
Pestalotia sp.									
Cercospora sp.									
Rusts									
Nigrospora sp.									
Ganoderma sp.	1	13	1.18						
Zygophiala sp.									
Background debris (1-5)**	3			2			2		
Sample Volume (liters)	75			75			75		
TOTAL †	85	1,100	100	51	680	100	71	950	100

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AIHA-LAP, LLC. Lab #100373

TX License: LAB0145

TEST METHOD: PSI-WI-620-816

LAB NUMBER:	007A			008A			009A		
Client ID:	HS Outside			HS Cafeteria			HS 10		
Location:	High School - Outside STEAM Entrance			High School - Cafeteria			High School - RM 010		
Comments:									
Detection Limit(spores/m ³):	13			13			13		
Hyphal Fragments	1	13							
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.	32	430	1.91						
Ascospores	1508	20000	89.82	23	310	92.00	4	53	100.00
Basidiospores	101	1300	6.02	2	27	8.00			
Smuts/Myxomycetes	17	230	1.01						
Peronospora/Oidium sp.									
Pen./Asp. Group	11	150	0.66						
Alternaria sp.									
Drechslera/Bipolaris									
Spegazzinia sp.									
Tetraploa sp.									
Curvularia sp.									
Stachybotrys sp.									
Unknown/Brown*	1	13	0.06						
Torula sp.									
Ulocladium sp.									
Chaetomium sp.									
Pithomyces sp.									
Epicoccum sp.									
Polythrincium sp.									
Pestalotia sp.	1	13	0.06						
Cercospora sp.									
Rusts									
Nigrospora sp.									
Ganoderma sp.	8	110	0.48						
Zygophiala sp.									
Background debris (1-5)**	2			2			1		
Sample Volume (liters)	75			75			75		
TOTAL †	1679	22,000	100	25	340	100	4	53	100

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

LAB NUMBER:	010A			011A			012A		
Client ID:	HS 30			HS 52			HS 53		
Location:	High School - RM 030			High School - RM 052			High School - RM 053 - Library Classroom		
Comments:									
Detection Limit(spores/m ³):	13			13			13		
Hyphal Fragments							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.									
Ascospores	4	53	66.67	51	680	92.73	6	80	85.71
Basidiospores				4	53	7.27	1	13	14.29
Smuts/Myxomycetes									
Peronospora/Oidium sp.									
Pen./Asp. Group									
Alternaria sp.	1	13	16.67						
Drechslera/Bipolaris									
Spegazzinia sp.									
Tetraploa sp.									
Curvularia sp.	1	13	16.67						
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.									
Zygophiala sp.									
Background debris (1-5)**	2			2			2		
Sample Volume (liters)	75			75			75		
TOTAL †	6	79	100	55	730	100	7	93	100

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

LAB NUMBER:	013A			014A			015A		
Client ID:	HS 102			HS 109			HS 120 FCS		
Location:	High School - RM 102			High School - RM 109			High School - RM 120 - FCS		
Comments:									
Detection Limit(spores/m ³):	13			13			13		
Hyphal Fragments									
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	75.00	3	40	4.84	2	27	2.82
Ascospores	1	13	25.00	55	730	88.71	58	770	81.69
Basidiospores				3	40	4.84	11	150	15.49
Smuts/Myxomycetes									
Peronospora/Oidium sp.									
Pen./Asp. Group				1	13	1.61			
Alternaria sp.									
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.									
Zygophiala sp.									
Background debris (1-5)**	2			2			2		
Sample Volume (liters)	75			75			75		
TOTAL †	4	53	100	62	820	100	71	950	100

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

LAB NUMBER:	016A			017A			018A		
Client ID:	HS 212			HS 217			HS 321		
Location:	High School - RM 212			High School - RM 217			High School - RM 321		
Comments:									
Detection Limit(spores/m ³):	13			13			13		
Hyphal Fragments									
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.									
Ascospores	4	53	80.00	2	27	100.00	5	67	83.33
Basidiospores	1	13	20.00				1	13	16.67
Smuts/Myxomycetes									
Peronospora/Oidium sp.									
Pen./Asp. Group									
Alternaria sp.									
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.									
Zygophiala sp.									
Background debris (1-5)**	2			1			1		
Sample Volume (liters)	75			75			75		
TOTAL †	5	66	100	2	27	100	6	80	100

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AIHA-LAP, LLC. Lab #100373

TX License: LAB0145

TEST METHOD: PSI-WI-620-816

LAB NUMBER:	019A			020A			021A		
Client ID:	HS 329			HS DeWitt			EDEN Outside		
Location:	High School - RM 329			High School - DeWitt Board Room			Eden Hall - Outside café/Playground Entrance		
Comments:									
Detection Limit(spores/m ³):	13			13			13		
Hyphal Fragments							6	80	
Pollen							5	67	
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.							498	6600	14.98
Ascospores	5	67	71.43	3	40	75.00	2584	34000	77.74
Basidiospores							200	2700	6.02
Smuts/Myxomycetes							1	13	0.03
Peronospora/Oidium sp.									
Pen./Asp. Group	2	27	28.57				5	67	0.15
Alternaria sp.							3	40	0.09
Drechslera/Bipolaris							2	27	0.06
Spegazzinia sp.									
Tetraploa sp.									
Curvularia sp.									
Stachybotrys sp.									
Unknown/Brown*				1	13	25.00	1	13	0.03
Torula sp.									
Ulocladium sp.									
Chaetomium sp.									
Pithomyces sp.									
Epicoccum sp.									
Polythrincium sp.									
Pestalotia sp.							1	13	0.03
Cercospora sp.							5	67	0.15
Rusts									
Nigrospora sp.							2	27	0.06
Ganoderma sp.							19	250	0.57
Zygophiala sp.							3	40	0.09
Background debris (1-5)**	1			2			3		
Sample Volume (liters)	75			75			75		
TOTAL †	7	94	100	4	53	100	3324	44,000	100

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

LAB NUMBER:	022A			023A			024A		
Client ID:	EDEN RM 106			EDEN RM 242			EDEN RM 312		
Location:	Eden Hall - RM 106 - Music			Eden Hall - RM 242 - Art			Eden Hall - RM 312		
Comments:									
Detection Limit(spores/m ³):	13			13			13		
Hyphal Fragments							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.	1	13	3.13				16	210	24.24
Ascospores	28	370	87.50	20	270	90.91	46	610	69.70
Basidiospores	3	40	9.38				3	40	4.55
Smuts/Myxomycetes							1	13	1.52
Peronospora/Oidium sp.									
Pen./Asp. Group				2	27	9.09			
Alternaria sp.									
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.									
Zygophiala sp.									
Background debris (1-5)**	2			2			2		
Sample Volume (liters)	75			75			75		
TOTAL †	32	420	100	22	300	100	66	870	100

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LAB NUMBER:	025A			026A			027A		
Client ID:	EDEN RM 334			EDEN RM 523			EDEN RM 613		
Location:	Eden Hall - RM 334			Eden Hall - RM 523			Eden Hall - RM 613		
Comments:									
Detection Limit(spores/m ³):	13			13			13		
Hyphal Fragments									
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.									
Ascospores	1	13	50.00	3	40	100.00	9	120	81.82
Basidiospores							1	13	9.09
Smuts/Myxomycetes									
Peronospora/Oidium sp.									
Pen./Asp. Group									
Alternaria sp.									
Drechslera/Bipolaris									
Spegazzinia sp.									
Tetraploa sp.									
Curvularia sp.									
Stachybotrys sp.									
Unknown/Brown*									
Torula sp.									
Ulocladium sp.									
Chaetomium sp.									
Pithomyces sp.	1	13	50.00						
Epicoccum sp.							1	13	9.09
Polythrincium sp.									
Pestalotia sp.									
Cercospora sp.									
Rusts									
Nigrospora sp.									
Ganoderma sp.									
Zygophiala sp.									
Background debris (1-5)**	2			1			1		
Sample Volume (liters)	75			75			75		
TOTAL †	2	26	100	3	40	100	11	150	100

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AIHA-LAP, LLC. Lab #100373

TX License: LAB0145

TEST METHOD: PSI-WI-620-816

LAB NUMBER:	028A		
Client ID:	EDEN RM 822		
Location:	Eden Hall - RM 822		
Comments:			
Detection Limit(spores/m ³):	13		
Hyphal Fragments			
Pollen	1	13	
Sample Description:	Air-O-Cell		
	raw ct.	spores/m ³	%
Cladosporium sp.	6	80	10.91
Ascospores	39	520	70.91
Basidiospores	6	80	10.91
Smuts/Myxomycetes			
Peronospora/Oidium sp.			
Pen./Asp. Group	2	27	3.64
Alternaria sp.			
Drechslera/Bipolaris			
Spegazzinia sp.			
Tetraploa sp.			
Curvularia sp.			
Stachybotrys sp.			
Unknown/Brown*			
Torula sp.			
Ulocladium sp.			
Chaetomium sp.			
Pithomyces sp.			
Epicoccum sp.	2	27	3.64
Polythrincium sp.			
Pestalotia sp.			
Cercospora sp.			
Rusts			
Nigrospora sp.			
Ganoderma sp.			
Zygophiala sp.			
Background debris (1-5)**	2		
Sample Volume (liters)	75		
TOTAL †	55	730	100

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Specific Sample Comments:

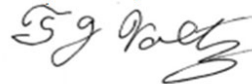
General Report Comments:

- * 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 as received. Results are not corrected for blank data.
This report may not be reproduced except in full, without written approval of PSI, Inc.
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.



Tim Voltz, Approved Signatory