



## SPORE TRAP REPORT

PSI, Inc.  
850 Poplar Street  
Pittsburgh, PA 15220

### DATE

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

Work Order: 2408094

Project Number: 08161784-24  
Project Name: Pine-Richland SD

Attn: Mike Kopar

Analyst: TV

AIHA-LAP, LLC. Lab #100373

TX License: LAB0145

TEST METHOD: PSI-WI-620-816

LAB NUMBER:	001A			002A			003A		
Client ID:	HE Outside			HE Art			HE 120		
Location:	Hance Elem - Outside Playground Entrance			Hance Elem - RM 110 - Art			Hance Elem - RM 120		
Comments:									
Detection Limit(spores/m <sup>3</sup> ):	13			13			13		
Hyphal Fragments	2	27					2	27	
Pollen	1	13		1	13		1	13	
Sample Description:	Air-O-Cell			Air-O-Cell			Air-O-Cell		
	raw ct.	spores/m <sup>3</sup>	%	raw ct.	spores/m <sup>3</sup>	%	raw ct.	spores/m <sup>3</sup>	%
Cladosporium sp.	1580	21000	45.32	1	13	33.33	42	560	32.31
Ascospores	1560	21000	44.75				61	810	46.92
Basidiospores	231	3100	6.63				16	210	12.31
Smuts/Myxomycetes	12	160	0.34						
Peronospora/Oidium sp.									
Pen./Asp. Group	30	400	0.86	2	27	66.67	8	110	6.15
Alternaria sp.	12	160	0.34				2	27	1.54
Drechslera/Bipolaris	2	27	0.06				1	13	0.77
Spegazzinia sp.									
Tetraploa sp.									
Curvularia sp.									
Stachybotrys sp.									
Unknown/Brown*	1	13	0.03						
Torula sp.									
Ulocladium sp.									
Chaetomium sp.									
Pithomyces sp.	9	120	0.26						
Epicoccum sp.	1	13	0.03						
Polythrincium sp.	1	13	0.03						
Pestalotia sp.									
Cercospora sp.	25	330	0.72						
Rusts	4	53	0.11						
Nigrospora sp.	1	13	0.03						
Ganoderma sp.	15	200	0.43						
Zygothiala sp.	2	27	0.06						
Pyricularia									
Background debris (1-5)**	3			1			3		
Sample Volume (liters)	75			75			75		
<b>TOTAL †</b>	<b>3486</b>	<b>47,000</b>	<b>100</b>	<b>3</b>	<b>40</b>	<b>100</b>	<b>130</b>	<b>1,700</b>	<b>100</b>

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:	HE 132			HE 138			HE 140				
Location:	Hance Elem - RM 132			Hance Elem - RM 138			Hance Elem - RM 140				
Comments:											
Detection Limit(spores/m <sup>3</sup> ):	13			13			13				
Hyphal Fragments				2	27			1	13		
Pollen				1	13						
Sample Description:	Air-O-Cell			Air-O-Cell			Air-O-Cell				
	raw ct.	spores/m <sup>3</sup>	%	raw ct.	spores/m <sup>3</sup>	%	raw ct.	spores/m <sup>3</sup>	%		
Cladosporium sp.	15	200	21.43	15	200	19.74	6	80	7.23		
Ascospores	50	670	71.43	49	650	64.47	66	880	79.52		
Basidiospores	3	40	4.29	9	120	11.84	7	93	8.43		
Smuts/Myxomycetes	1	13	1.43	3	40	3.95					
Peronospora/Oidium sp.											
Pen./Asp. Group							4	53	4.82		
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.	1	13	1.43								
Zygophiala sp.											
Pyricularia											
Background debris (1-5)**	2			3			2				
Sample Volume (liters)	75			75			75				
<b>TOTAL †</b>	<b>70</b>	<b>940</b>	<b>100</b>	<b>76</b>	<b>1,000</b>	<b>100</b>	<b>83</b>	<b>1,100</b>	<b>100</b>		

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TEST METHOD: PSI-WI-620-816

LAB NUMBER:	007A			008A			009A		
Client ID:	HE 141			RES Outside			RES RM 011		
Location:	Hance Elem - RM 141			Richland Elem - Outside Auditorium			Richland Elem - RM 011		
Comments:									
Detection Limit(spores/m <sup>3</sup> ):	13			13			13		
Hyphal Fragments	1	13		2	27		3	40	
Pollen				96	1300		1	13	
Sample Description:	Air-O-Cell			Air-O-Cell			Air-O-Cell		
	raw ct.	spores/m <sup>3</sup>	%	raw ct.	spores/m <sup>3</sup>	%	raw ct.	spores/m <sup>3</sup>	%
Cladosporium sp.	29	390	23.39	1128	15000	45.63	30	400	13.57
Ascospores	79	1100	63.71	928	12000	37.54	168	2200	76.02
Basidiospores	9	120	7.26	384	5100	15.53	19	250	8.60
Smuts/Myxomycetes									
Peronospora/Oidium sp.									
Pen./Asp. Group	6	80	4.84	6	80	0.24	2	27	0.90
Alternaria sp.				3	40	0.12	1	13	0.45
Drechslera/Bipolaris				2	27	0.08			
Spegazzinia sp.									
Tetraploa sp.									
Curvularia sp.							1	13	0.45
Stachybotrys sp.									
Unknown/Brown*				1	13	0.04			
Torula sp.									
Ulocladium sp.									
Chaetomium sp.									
Pithomyces sp.									
Epicoccum sp.				2	27	0.08			
Polythrincium sp.									
Pestalotia sp.									
Cercospora sp.									
Rusts									
Nigrospora sp.									
Ganoderma sp.	1	13	0.81	14	190	0.57			
Zygophiala sp.				2	27	0.08			
Pyricularia				2	27	0.08			
Background debris (1-5)**	2			3			3		
Sample Volume (liters)	75			75			75		
<b>TOTAL †</b>	<b>124</b>	<b>1,700</b>	<b>100</b>	<b>2472</b>	<b>33,000</b>	<b>100</b>	<b>221</b>	<b>2,900</b>	<b>100</b>

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Analyst: TV

AIHA-LAP, LLC. Lab #100373

TX License: LAB0145

TEST METHOD: PSI-WI-620-816

LAB NUMBER:	010A			011A			012A		
Client ID:	RES RM 013			RES RM 101			RES RM 106		
Location:	Richland Elem - RM 013 - Student Serv			Richland Elem - RM 101 - Music			Richland Elem - RM 106		
Comments:									
Detection Limit(spores/m <sup>3</sup> ):	13			13			13		
Hyphal Fragments	1	13		1	13		1	13	
Pollen	1	13		1	13		1	13	
Sample Description:	Air-O-Cell			Air-O-Cell			Air-O-Cell		
	raw ct.	spores/m <sup>3</sup>	%	raw ct.	spores/m <sup>3</sup>	%	raw ct.	spores/m <sup>3</sup>	%
Cladosporium sp.	3	40	0.57	6	80	1.80	3	40	2.56
Ascospores	466	6200	88.26	304	4100	91.29	100	1300	85.47
Basidiospores	56	750	10.61	20	270	6.01	11	150	9.40
Smuts/Myxomycetes									
Peronospora/Oidium sp.									
Pen./Asp. Group	3	40	0.57	2	27	0.60	3	40	2.56
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.				1	13	0.30			
Zygomphiala sp.									
Pyricularia									
Background debris (1-5)**	2			2			3		
Sample Volume (liters)	75			75			75		
<b>TOTAL †</b>	<b>528</b>	<b>7,000</b>	<b>100</b>	<b>333</b>	<b>4,500</b>	<b>100</b>	<b>117</b>	<b>1,500</b>	<b>100</b>

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TEST METHOD: PSI-WI-620-816

LAB NUMBER:	013A			014A			015A		
Client ID:	RES RM 112			RES RM 205			RES RM 211		
Location:	Richland Elem - RM 112			Richland Elem - RM 205			Richland Elem - RM 211		
Comments:									
Detection Limit(spores/m <sup>3</sup> ):	13			13			13		
Hyphal Fragments							1	13	
Pollen							2	27	
Sample Description:	Air-O-Cell			Air-O-Cell			Air-O-Cell		
	raw ct.	spores/m <sup>3</sup>	%	raw ct.	spores/m <sup>3</sup>	%	raw ct.	spores/m <sup>3</sup>	%
Cladosporium sp.	4	53	2.56	3	40	3.90	10	130	5.92
Ascospores	136	1800	87.18	72	960	93.51	140	1900	82.84
Basidiospores	13	170	8.33	2	27	2.60	8	110	4.73
Smuts/Myxomycetes									
Peronospora/Oidium sp.									
Pen./Asp. Group	3	40	1.92				10	130	5.92
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.							1	13	0.59
Zygophiala sp.									
Pyricularia									
Background debris (1-5)**	2			2			2		
Sample Volume (liters)	75			75			75		
<b>TOTAL †</b>	<b>156</b>	<b>2,100</b>	<b>100</b>	<b>77</b>	<b>1,000</b>	<b>100</b>	<b>169</b>	<b>2,300</b>	<b>100</b>

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TEST METHOD: PSI-WI-620-816

LAB NUMBER:	016A			017A			018A		
Client ID:	RES RM 217			RES RM 218			WEX B-Ball Field		
Location:	Richland Elem - RM 217			Richland Elem - Teacher's Lounge - 2nd Floor			Wexford Elem - Outside Near Softball Field		
Comments:									
Detection Limit(spores/m <sup>3</sup> ):	13			13			13		
Hyphal Fragments	2	27		1	13		4	53	
Pollen							4	53	
Sample Description:	Air-O-Cell			Air-O-Cell			Air-O-Cell		
	raw ct.	spores/m <sup>3</sup>	%	raw ct.	spores/m <sup>3</sup>	%	raw ct.	spores/m <sup>3</sup>	%
Cladosporium sp.	4	53	2.92	3	40	1.36	585	7800	27.46
Ascospores	119	1600	86.86	198	2600	89.59	1416	19000	66.48
Basidiospores	12	160	8.76	14	190	6.33	85	1100	3.99
Smuts/Myxomycetes							3	40	0.14
Peronospora/Oidium sp.									
Pen./Asp. Group	2	27	1.46	6	80	2.71	12	160	0.56
Alternaria sp.							3	40	0.14
Drechslera/Bipolaris									
Spegazzinia sp.									
Tetraploa sp.									
Curvularia sp.							1	13	0.05
Stachybotrys sp.									
Unknown/Brown*									
Torula sp.									
Ulocladium sp.									
Chaetomium sp.									
Pithomyces sp.									
Epicoccum sp.							1	13	0.05
Polythrincium sp.									
Pestalotia sp.									
Cercospora sp.							5	67	0.23
Rusts									
Nigrospora sp.									
Ganoderma sp.							17	230	0.80
Zygophiala sp.							2	27	0.09
Pyricularia									
Background debris (1-5)**	2			2			2		
Sample Volume (liters)	75			75			75		
<b>TOTAL †</b>	<b>137</b>	<b>1,800</b>	<b>100</b>	<b>221</b>	<b>2,900</b>	<b>100</b>	<b>2130</b>	<b>28,000</b>	<b>100</b>

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TEST METHOD: PSI-WI-620-816

LAB NUMBER:	019A			020A			021A		
Client ID:	WEX B108			WEX B118			WEX Art RM		
Location:	Wexford Elem - RM B108			Wexford Elem - RM B118			Wexford Elem - RM C106 - Art		
Comments:									
Detection Limit(spores/m <sup>3</sup> ):	13			13			13		
Hyphal Fragments				1	13				
Pollen									
Sample Description:	Air-O-Cell			Air-O-Cell			Air-O-Cell		
	raw ct.	spores/m <sup>3</sup>	%	raw ct.	spores/m <sup>3</sup>	%	raw ct.	spores/m <sup>3</sup>	%
Cladosporium sp.	3	40	30.00	12	160	52.17			
Ascospores	5	67	50.00	7	93	30.43	4	53	100.00
Basidiospores				1	13	4.35			
Smuts/Myxomycetes				1	13	4.35			
Peronospora/Oidium sp.									
Pen./Asp. Group	2	27	20.00						
Alternaria sp.									
Drechslera/Bipolaris									
Spegazzinia sp.									
Tetraploa sp.									
Curvularia sp.				1	13	4.35			
Stachybotrys sp.									
Unknown/Brown*									
Torula sp.									
Ulocladium sp.									
Chaetomium sp.									
Pithomyces sp.									
Epicoccum sp.									
Polythrincium sp.									
Pestalotia sp.									
Cercospora sp.									
Rusts				1	13	4.35			
Nigrospora sp.									
Ganoderma sp.									
Zygophiala sp.									
Pyricularia									
Background debris (1-5)**	2			3			1		
Sample Volume (liters)	75			75			75		
<b>TOTAL †</b>	<b>10</b>	<b>130</b>	<b>100</b>	<b>23</b>	<b>310</b>	<b>100</b>	<b>4</b>	<b>53</b>	<b>100</b>

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TEST METHOD: PSI-WI-620-816

LAB NUMBER:	022A			023A		
Client ID:	WEX C117			WEX C129		
Location:	Wexford Elem - RM C117			Wexford Elem - RM C129		
Comments:						
Detection Limit(spores/m <sup>3</sup> ):	13			13		
Hyphal Fragments	1	13				
Pollen						
Sample Description:	Air-O-Cell			Air-O-Cell		
	raw ct.	spores/m <sup>3</sup>	%	raw ct.	spores/m <sup>3</sup>	%
Cladosporium sp.	5	67	25.00	3	40	23.08
Ascospores	13	170	65.00	9	120	69.23
Basidiospores	2	27	10.00	1	13	7.69
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.						
Pyricularia						
Background debris (1-5)**	2			2		
Sample Volume (liters)	75			75		
<b>TOTAL ‡</b>	<b>20</b>	<b>260</b>	<b>100</b>	<b>13</b>	<b>170</b>	<b>100</b>

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**Specific Sample Comments:**

General Report Comments:

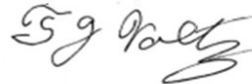
- \* Unknown/brown are spores without a distinctive morphology on spore traps and non-viable surface samples.
- \*\* Background debris is the amount of particulate matter present on the slide and is graded from 1-5 with 1 being very little, while a debris rating of 5 is unreadable.  
The higher the rating 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/m<sup>3</sup> 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.

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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