



December 5, 2023

Transylvania County
 155 Public Safety Way
 Brevard, NC 28712
 Attn: David McNeill, Assistant County Manager

Subject: Mold Assessment
 Brevard High School
 Brevard, NC
 Project Number: FDG231120

Mr. McNeill:

At your request, Fleetwood Daniels Group, LLC (FDG) performed an indoor air quality assessment at the above referenced project location on November 27, 2023. The assessment included collection of mold spore trap air samples throughout the school buildings. Sampling was conducted under the recommendations of FDG and was under the direction of the client representative. Additionally, FDG collected two exterior air samples to be averaged and used for comparative analysis. The sample locations are identified on the attached drawing.

Sampling was requested in order to assess the general conditions of the building as it relates to mold. The air sampling was performed by Mrs. Suzanne Hinson and Mr. Clay Hinson, Industrial Hygienists with FDG.

Results - Sampling & Analysis

AIRBORNE MOLD SAMPLES

SAMPLE NUMBER	LOCATON	LABORATORY RESULTS Total Mold
BH-1	Exterior #1	6430 count/m ³ (5800 count/m ³ - Average Exterior)
BH-2	Interior - Corridor at Front Office/Auditorium	3060 count/m ³
BH-3	Interior – Front Offices	3920 count/m ³
BH-4	Interior – Back of Auditorium	862 count/m ³
BH-5	Interior – Auditorium Stage Area	1180 count/m ³
BH-6	Interior – Corridor Along Side of Auditorium	5640 count/m ³
BH-7	Interior – Band Room	4780 count/m ³
BH-8	Interior – Classroom 802	627 count/m ³
BH-9	Interior – Corridor at 604	1960 count/m ³
BH-10	Interior – Corridor at 602	1490 count/m ³
BH-11	Interior – Corridor at 501	1570 count/m ³
BH-12	Interior – Corridor at 512	313 count/m ³

Count/m³ = spore count per cubic meter of air

AIRBORNE MOLD SAMPLES

SAMPLE NUMBER	LOCATON	LABORATORY RESULTS Total Mold
BH-13	Interior – Corridor Between 500 and 700	6430 count/m ³
BH-14	Interior – Classroom 514	1720 count/m ³
BH-15	Interior – Room 704	1180 count/m ³
BH-16	Interior – Classroom 708	3760 count/m ³
BH-17	Interior – Corridor at 700 Conference Rm	1330 count/m ³
BH-18	Interior – Corridor at 711	2900 count/m ³
BH-19	Interior – Corridor at 403/408	862 count/m ³
BH-20	Interior – Corridor at 718	1880 count/m ³
BH-21	Interior – Corridor at 402	5090 count/m ³
BH-22	Interior – Corridor Outside Media Center	2270 count/m ³
BH-23	Interior – Media Center	235 count/m ³
BH-24	Interior – Corridor at 302	549 count/m ³
BH-25	Interior – Corridor at 103	627 count/m ³
BH-26	Interior – Corridor at Cafeteria	5330 count/m ³
BH-27	Interior - Cafeteria	24,100 count/m ³
BH-28	Interior - Kitchen	11,600 count/m ³
BH-29	Interior – Lobby Between New and Old Gym	2190 count/m ³
BH-30	Interior – Old Gym	392 count/m ³
BH-31	Interior – Athletic Trainer Room	2190 count/m ³
BH-32	Exterior #2	5170 count/m ³ (5800 count/m ³ - Average Exterior)

Count/m³ = spore count per cubic meter of air

Conclusions

The analysis of the air samples collected show total spore counts on the interior samples collected were lower than those on the exterior of the building (average of two samples) with the exception of the samples collected in the Corridor Between 500/700, Cafeteria and Kitchen.

Analysis shows that the spore types were generally consistent with those found on the exterior of the building. Common plant molds were present on the interior samples collected throughout the building. These common exterior genera of molds and are typically found in soils and decaying plant matter, but can also grow indoors given the right conditions. Given the right conditions, indoor growth can be widespread on damp substrates as some will grow indoors at low temperatures.

Sample analysis indicates counts of *Aspergillus/Penicillium-like* spores on the samples collected from the interior of the school that were not identified on the exterior sample. *Aspergillus/Penicillium-like* spores are typically indicators of water damaged building materials and are not commonly found naturally outside. These types of mold have been shown to have the possibility of causing respiratory issues especially in people with allergies or immune deficiencies when found in indoor areas. These spores were identified on the samples collected in the Front Office Area, Corridor at 501, Corridor Between 500/700 and the Cafeteria. These spores could

be from a current water loss, or from a previous water loss in these areas. FDG would recommend further investigation in the Front Office and Cafeteria as the counts of *Aspergillus/Penicillium-like* spores were higher in these areas. FDG did not observe mold growth in the Front Office area, but did see evidence of water loss on Thermal System Insulation in the Cafeteria and the client indicated that wood beams in the area had been repaired due to areas of deterioration in the past. These could be sources of the *Aspergillus/Penicillium-like* spores. Additionally, FDG observed mold growth around the vent in the Kitchen area. A sample of the growth indicated that it was *Cladosporium* (Loaded, >300 spores), which is a common exterior spore that can also be found growing indoors, even in lower temperature areas. The surface sample also contained smaller counts of other common mold spores. FDG recommends correction of the condensation around the vent and HEPA cleaning of the surface growth.

In general, all areas of potential moisture intrusion should be addressed and corrected prior to remediation efforts where recommended. All areas should have HVAC units that provide an indoor environment with temperature and humidity levels in accordance with ASHRAE (American Society of Heating, Refrigerating, and Air-Conditioning Engineers) Standards. In the future all areas with visibly water damaged materials should be remediated as discovered to prevent an air quality concern in the future. Ways to reduce spore counts include, but are not limited to, HEPA air filtration, HEPA vacuum cleaning and/or surface cleaning with anti-microbial serum.

Observations, findings, results, and conclusions are limited to those conditions apparent at the time of the site visit. It should not be construed that actions taken as a result of this work will achieve complete compliance with every regulatory standard nor prevent every possible accident or loss. Neither should it be considered that any recommendations noted are the only possible actions to be taken.

QUALIFICATIONS

This report summarizes FDG's evaluation of the conditions observed at the subject building during the course of the survey. Our findings are based upon our observations at the building and analyses of the samples obtained at the time of this survey. Asbestos-containing materials may exist in the building, if materials are to be disturbed they should be tested for the presence of asbestos prior to disturbing. Any conditions discovered which deviate from the data contained in this report should be presented for our evaluation.

Attached with this report you will find the laboratory analytical results for each sample collected will be attached.

Fleetwood Daniels Group, L.L.C. is pleased to have provided our professional services for this project. If you have any questions or comments, please do not hesitate to call at (828) 400-1509.

Sincerely,
FLEETWOOD DANIELS GROUP, L.L.C.



Suzanne Hinson
Principal

Attachments: Laboratory Analytical Reports

Laboratory Analytical Reports



Direct Exam: Spore Trap Analysis

SAI Method B-SOP-003



Customer: Fleetwood Daniels Group
PO Box 1144
Waynesville, NC 28786

Attn: Suzanne Hinson

Lab Order ID: 10037914

Analysis: STA

Date Received: 11/28/2023

Project: FDG231120 - Brevard High

Date Reported: 11/28/2023

Sample ID	BH-1			BH-2			BH-3			EXTERIOR		
Lab Sample ID	10037914_0001			10037914_0002			10037914_0003			AVERAGE		
Description	Exterior			Interior-corridor @ off.			Interior-office area			N/A		
Lab Notes										N/A		
Volume (L)	75			75			75			N/A		
Analytical Sensitivity (counts/m³)	78			78			78			N/A		
IDENTIFICATION	Raw Count	Concentration (counts/m³)	% Of Total	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	39.2	N/A
Ascospores	40	3130	48.8%	12	940.	30.8%	5	392	10.0%	36	2780	48.0%
<i>Aspergillus/Penicillium-like</i>							31	2430	62.0%			
Basidiospores	21	1650	25.6%	11	862	28.2%	5	392	10.0%	21	1610	28.0%
<i>Cercospora-like</i>												
<i>Chaetomium</i>												
<i>Cladosporium</i>	14	1100	17.1%	4	313	10.3%	1	78.4	2.00%	13	981	17.3%
<i>Curvularia</i>												
<i>Drechslera/Bipolaris</i>												
<i>Epicoccum</i>	2	157	2.44%	3	235	7.69%	2	157	4.00%	2	118	2.67%
Myxomycete/Rust/Smut-like	4	313	4.88%	9	705	23.1%	6	470.	12.0%	3	196	4.00%
<i>Nigrospora</i>												
<i>Pithomyces</i>										<1	39.2	N/A
<i>Spegazzinia</i>												
Unknown/Other	1	78.4	1.22%							<1	39.2	N/A
TOTAL	82	6430	100.0%	39	3060	100.0%	50	3920	100.0%	75	5800	100.0%
Non-Cellulosic Fibers	-	-	-	-	-	-	-	-	-	-	-	-
Hyphal Fragments	2	157	-	2	157	-	3	235	-	2	117.7	-
Insect Parts	-	-	-	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-	-	-	-
Skin Cell % of Total Debris		0-20%			20-40%			20-40%			N/A	
Total Debris in Background		40-60%			60-80%			40-60%			N/A	

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Darrin Parrick (32)

Analyst

Approved Signatory



Direct Exam: Spore Trap Analysis

SAI Method B-SOP-003



Customer: Fleetwood Daniels Group
PO Box 1144
Waynesville, NC 28786

Attn: Suzanne Hinson

Lab Order ID: 10037914

Analysis: STA

Date Received: 11/28/2023

Date Reported: 11/28/2023

Project: FDG231120 - Brevard High

Sample ID	BH-4			BH-5			BH-6			EXTERIOR		
Lab Sample ID	10037914_0004			10037914_0005			10037914_0006			AVERAGE		
Description	Interior-back of audit.			Interior-stage of audit.			Interior-corridor side of audit			N/A		
Lab Notes										N/A		
Volume (L)	75			75			75			N/A		
Analytical Sensitivity (counts/m ³)	78			78			78			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	78.4	1.39%	<1	39.2	N/A
Ascospores	3	235	27.3%	2	157	13.3%	14	1100	19.4%	36	2780	48.0%
<i>Aspergillus/Penicillium-like</i>												
Basidiospores	2	157	18.2%	2	157	13.3%	13	1020	18.1%	21	1610	28.0%
<i>Cercospora-like</i>												
<i>Chaetomium</i>												
<i>Cladosporium</i>	2	157	18.2%	3	235	20.0%	12	940.	16.7%	13	981	17.3%
<i>Curvularia</i>							1	78.4	1.39%			
<i>Drechslera/Bipolaris</i>							1	78.4	1.39%			
<i>Epicoccum</i>	2	157	18.2%	1	78.4	6.67%	2	157	2.78%	2	118	2.67%
Myxomycete/Rust/Smut-like	2	157	18.2%	6	470.	40.0%	26	2040	36.1%	3	196	4.00%
<i>Nigrospora</i>							1	78.4	1.39%			
<i>Pithomyces</i>				1	78.4	6.67%	1	78.4	1.39%	<1	39.2	N/A
<i>Spegazzinia</i>												
Unknown/Other										<1	39.2	N/A
TOTAL	11	862	100.0%	15	1180	100.0%	72	5640	100.0%	75	5800	100.0%
Non-Cellulosic Fibers	-	-	-	-	-	-	-	-	-	-	-	-
Hyphal Fragments	1	78.4	-	1	78.4	-	6	470.	-	2	117.7	-
Insect Parts	-	-	-	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	1	78.4	-	-	-	-
Skin Cell % of Total Debris		20-40%			20-40%			40-60%			N/A	
Total Debris in Background		20-40%			40-60%			60-80%			N/A	

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Darrin Parrick (32)

Analyst

Approved Signatory



Direct Exam: Spore Trap Analysis

SAI Method B-SOP-003



Customer: Fleetwood Daniels Group
PO Box 1144
Waynesville, NC 28786

Attn: Suzanne Hinson

Lab Order ID: 10037914

Analysis: STA

Date Received: 11/28/2023

Date Reported: 11/28/2023

Project: FDG231120 - Brevard High

Sample ID	BH-7			BH-8			BH-9			EXTERIOR		
Lab Sample ID	10037914_0007			10037914_0008			10037914_0009			AVERAGE		
Description	Interior-band room			Interior-classroom 802			Interior-corridor @ 604			N/A		
Lab Notes										N/A		
Volume (L)	75			75			75			N/A		
Analytical Sensitivity (counts/m ³)	78			78			78			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	39.2	N/A
Ascospores	10	784	16.4%	4	313	50.0%	9	705	36.0%	36	2780	48.0%
<i>Aspergillus/Penicillium-like</i>												
Basidiospores	11	862	18.0%	3	235	37.5%	5	392	20.0%	21	1610	28.0%
<i>Cercospora-like</i>				1	78.4	12.5%						
<i>Chaetomium</i>	1	78.4	1.64%									
<i>Cladosporium</i>	6	470.	9.84%				1	78.4	4.00%	13	981	17.3%
<i>Curvularia</i>												
<i>Drechslera/Bipolaris</i>												
<i>Epicoccum</i>	1	78.4	1.64%				1	78.4	4.00%	2	118	2.67%
Myxomycete/Rust/Smut-like	31	2430	50.8%				9	705	36.0%	3	196	4.00%
<i>Nigrospora</i>												
<i>Pithomyces</i>	1	78.4	1.64%							<1	39.2	N/A
<i>Spiegazzinia</i>												
Unknown/Other										<1	39.2	N/A
TOTAL	61	4780	100.0%	8	627	100.0%	25	1960	100.0%	75	5800	100.0%
Non-Cellulosic Fibers	-	-	-	-	-	-	-	-	-	-	-	-
Hyphal Fragments	7	549	-	-	-	-	3	235	-	2	117.7	-
Insect Parts	-	-	-	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-	-	-	-
Skin Cell % of Total Debris		40-60%			20-40%			40-60%			N/A	
Total Debris in Background		60-80%			0-20%			60-80%			N/A	

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Darrin Parrick (32)

Analyst

Approved Signatory



Direct Exam: Spore Trap Analysis

SAI Method B-SOP-003



Customer: Fleetwood Daniels Group
PO Box 1144
Waynesville, NC 28786

Attn: Suzanne Hinson

Lab Order ID: 10037914

Analysis: STA

Date Received: 11/28/2023

Date Reported: 11/28/2023

Project: FDG231120 - Brevard High

Sample ID	BH-10			BH-11			BH-12			EXTERIOR		
Lab Sample ID	10037914_0010			10037914_0011			10037914_0012			AVERAGE		
Description	Interior-corridor @ 602			Interior-corridor @ 501			Interior-corridor @ 512			N/A		
Lab Notes										N/A		
Volume (L)	75			75			75			N/A		
Analytical Sensitivity (counts/m³)	78			78			78			N/A		
IDENTIFICATION	Raw Count	Concentration (counts/m³)	% Of Total	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	39.2	N/A
Ascospores	4	313	21.1%	6	470.	30.0%	3	235	75.0%	36	2780	48.0%
<i>Aspergillus/Penicillium-like</i>				3	235	15.0%						
Basidiospores	3	235	15.8%	2	157	10.0%	1	78.4	25.0%	21	1610	28.0%
<i>Cercospora-like</i>												
<i>Chaetomium</i>												
<i>Cladosporium</i>	5	392	26.3%	3	235	15.0%				13	981	17.3%
<i>Curvularia</i>												
<i>Drechslera/Bipolaris</i>												
<i>Epicoccum</i>				1	78.4	5.00%				2	118	2.67%
Myxomycete/Rust/Smut-like	7	549	36.8%	4	313	20.0%				3	196	4.00%
<i>Nigrospora</i>				1	78.4	5.00%						
<i>Pithomyces</i>										<1	39.2	N/A
<i>Spegazzinia</i>												
Unknown/Other										<1	39.2	N/A
TOTAL	19	1490	100.0%	20	1570	100.0%	4	313	100.0%	75	5800	100.0%
Non-Cellulosic Fibers	-	-	-	-	-	-	-	-	-	-	-	-
Hyphal Fragments	5	392	-	2	157	-	-	-	-	2	117.7	-
Insect Parts	-	-	-	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-	-	-	-
Skin Cell % of Total Debris		40-60%			40-60%			20-40%			N/A	
Total Debris in Background		40-60%			40-60%			20-40%			N/A	

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Darrin Parrick (32)

Analyst

Approved Signatory



Direct Exam: Spore Trap Analysis

SAI Method B-SOP-003



Customer: Fleetwood Daniels Group
PO Box 1144
Waynesville, NC 28786

Attn: Suzanne Hinson

Lab Order ID: 10037914

Analysis: STA

Date Received: 11/28/2023

Project: FDG231120 - Brevard High

Date Reported: 11/28/2023

Sample ID	BH-13			BH-14			BH-15			EXTERIOR		
Lab Sample ID	10037914_0013			10037914_0014			10037914_0015			AVERAGE		
Description	Interior-corridor betwn 500 & 700			Interior-classroom 514			Interior-room 704			N/A		
Lab Notes										N/A		
Volume (L)	75			75			75			N/A		
Analytical Sensitivity (counts/m ³)	78			78			78			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	78.4	1.22%	1	78.4	4.55%	1	78.4	6.67%	<1	39.2	N/A
Ascospores	15	1180	18.3%	5	392	22.7%	4	313	26.7%	36	2780	48.0%
<i>Aspergillus/Penicillium-like</i>	5	392	6.1%									
Basidiospores	11	862	13.4%	5	392	22.7%	3	235	20.0%	21	1610	28.0%
<i>Cercospora-like</i>												
<i>Chaetomium</i>												
<i>Cladosporium</i>				3	235	13.6%	1	78.4	6.67%	13	981	17.3%
<i>Curvularia</i>												
<i>Drechslera/Bipolaris</i>	1	78.4	1.22%									
<i>Epicoccum</i>	6	470.	7.32%				1	78.4	6.67%	2	118	2.67%
Myxomycete/Rust/Smut-like	40	3130	48.8%	8	627	36.4%	4	313	26.7%	3	196	4.00%
<i>Nigrospora</i>												
<i>Pithomyces</i>	3	235	3.66%				1	78.4	6.67%	<1	39.2	N/A
<i>Spiegazzinia</i>												
Unknown/Other										<1	39.2	N/A
TOTAL	82	6430	100.0%	22	1720	100.0%	15	1180	100.0%	75	5800	100.0%
Non-Cellulosic Fibers	-	-	-	-	-	-	-	-	-	-	-	-
Hyphal Fragments	16	1250	-	1	78.4	-	3	235	-	2	117.7	-
Insect Parts	-	-	-	-	-	-	-	-	-	-	-	-
Pollen	2	157	-	-	-	-	-	-	-	-	-	-
Skin Cell % of Total Debris		20-40%			20-40%			20-40%			N/A	
Total Debris in Background		60-80%			40-60%			40-60%			N/A	

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Darrin Parrick (32)

Analyst

Approved Signatory



Direct Exam: Spore Trap Analysis

SAI Method B-SOP-003



Customer: Fleetwood Daniels Group
PO Box 1144
Waynesville, NC 28786

Attn: Suzanne Hinson

Lab Order ID: 10037914

Analysis: STA

Date Received: 11/28/2023

Date Reported: 11/28/2023

Project: FDG231120 - Brevard High

Sample ID	BH-16			BH-17			BH-18			EXTERIOR		
Lab Sample ID	10037914_0016			10037914_0017			10037914_0018			AVERAGE		
Description	Interior-classroom 708			Interior-corridor @ 700 conf.			Interior-corridor @ 711			N/A		
Lab Notes										N/A		
Volume (L)	75			75			75			N/A		
Analytical Sensitivity (counts/m ³)	78			78			78			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	78.4	2.08%							<1	39.2	N/A
Ascospores	7	549	14.6%	4	313	23.5%	9	705	24.3%	36	2780	48.0%
<i>Aspergillus/Penicillium-like</i>												
Basidiospores	4	313	8.33%	4	313	23.5%	4	313	10.8%	21	1610	28.0%
<i>Cercospora-like</i>												
<i>Chaetomium</i>												
<i>Cladosporium</i>	3	235	6.25%	2	157	11.8%	2	157	5.41%	13	981	17.3%
<i>Curvularia</i>												
<i>Drechslera/Bipolaris</i>							1	78.4	2.7%			
<i>Epicoccum</i>	6	470.	12.5%	1	78.4	5.88%	1	78.4	2.7%	2	118	2.67%
Myxomycete/Rust/Smut-like	24	1880	50.0%	6	470.	35.3%	19	1490	51.4%	3	196	4.00%
<i>Nigrospora</i>												
<i>Pithomyces</i>	2	157	4.17%				1	78.4	2.7%	<1	39.2	N/A
<i>Spegazzinia</i>	1	78.4	2.08%									
Unknown/Other										<1	39.2	N/A
TOTAL	48	3760	100.0%	17	1330	100.0%	37	2900	100.0%	75	5800	100.0%
Non-Cellulosic Fibers	-	-	-	-	-	-	-	-	-	-	-	-
Hyphal Fragments	6	470.	-	4	313	-	3	235	-	2	117.7	-
Insect Parts	-	-	-	-	-	-	-	-	-	-	-	-
Pollen	1	78.4	-	-	-	-	-	-	-	-	-	-
Skin Cell % of Total Debris		40-60%			40-60%			40-60%			N/A	
Total Debris in Background		60-80%			60-80%			60-80%			N/A	

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Darrin Parrick (32)

Analyst

Approved Signatory



Direct Exam: Spore Trap Analysis

SAI Method B-SOP-003



Customer: Fleetwood Daniels Group
PO Box 1144
Waynesville, NC 28786

Attn: Suzanne Hinson

Lab Order ID: 10037914

Analysis: STA

Date Received: 11/28/2023

Date Reported: 11/28/2023

Project: FDG231120 - Brevard High

Sample ID	BH-19			BH-20			BH-21			EXTERIOR		
Lab Sample ID	10037914_0019			10037914_0020			10037914_0021			AVERAGE		
Description	Interior-corridor @ 403/408			Interior-corridor @ 718			Interior-corridor @ 402			N/A		
Lab Notes										N/A		
Volume (L)	75			75			75			N/A		
Analytical Sensitivity (counts/m³)	78			78			78			N/A		
IDENTIFICATION	Raw Count	Concentration (counts/m³)	% Of Total	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	78.4	9.09%	1	78.4	4.17%	2	157	3.08%	<1	39.2	N/A
Ascospores	3	235	27.3%	4	313	16.7%	6	470	9.23%	36	2780	48.0%
<i>Aspergillus/Penicillium-like</i>												
Basidiospores	2	157	18.2%	4	313	16.7%	7	549	10.8%	21	1610	28.0%
<i>Cercospora-like</i>												
<i>Chaetomium</i>												
<i>Cladosporium</i>				10	784	41.7%	9	705	13.8%	13	981	17.3%
<i>Curvularia</i>												
<i>Drechslera/Bipolaris</i>	1	78.4	9.09%									
<i>Epicoccum</i>				1	78.4	4.17%	2	157	3.08%	2	118	2.67%
Myxomycete/Rust/Smut-like	4	313	36.4%	4	313	16.7%	38	2980	58.5%	3	196	4.00%
<i>Nigrospora</i>							1	78.4	1.54%			
<i>Pithomyces</i>										<1	39.2	N/A
<i>Spegazzinia</i>												
Unknown/Other										<1	39.2	N/A
TOTAL	11	862	100.0%	24	1880	100.0%	65	5090	100.0%	75	5800	100.0%
Non-Cellulosic Fibers	-	-	-	-	-	-	-	-	-	-	-	-
Hyphal Fragments	1	78.4	-	1	78.4	-	6	470	-	2	117.7	-
Insect Parts	-	-	-	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	1	78.4	-	-	-	-
Skin Cell % of Total Debris		20-40%			40-60%			40-60%			N/A	
Total Debris in Background		40-60%			40-60%			80-100%			N/A	

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Darrin Parrick (32)

Analyst

Approved Signatory



Direct Exam: Spore Trap Analysis

SAI Method B-SOP-003



Customer: Fleetwood Daniels Group
PO Box 1144
Waynesville, NC 28786

Attn: Suzanne Hinson

Lab Order ID: 10037914

Analysis: STA

Date Received: 11/28/2023

Date Reported: 11/28/2023

Project: FDG231120 - Brevard High

Sample ID	BH-22			BH-23			BH-24			EXTERIOR		
Lab Sample ID	10037914_0022			10037914_0023			10037914_0024			AVERAGE		
Description	Interior-corridor outside media			Interior-media center			Interior-corridor @ 302			N/A		
Lab Notes										N/A		
Volume (L)	75			75			75			N/A		
Analytical Sensitivity (counts/m³)	78			78			78			N/A		
IDENTIFICATION	Raw Count	Concentration (counts/m³)	% Of Total	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	78.4	14.3%	<1	39.2	N/A
Ascospores	5	392	17.2%	1	78.4	33.3%	2	157	28.6%	36	2780	48.0%
<i>Aspergillus/Penicillium-like</i>												
Basidiospores	5	392	17.2%	1	78.4	33.3%				21	1610	28.0%
<i>Cercospora-like</i>												
<i>Chaetomium</i>												
<i>Cladosporium</i>	7	549	24.1%							13	981	17.3%
<i>Curvularia</i>												
<i>Drechslera/Bipolaris</i>												
<i>Epicoccum</i>	2	157	6.9%							2	118	2.67%
Myxomycete/Rust/Smut-like	9	705	31.0%	1	78.4	33.3%	4	313	57.1%	3	196	4.00%
<i>Nigrospora</i>	1	78.4	3.45%									
<i>Pithomyces</i>										<1	39.2	N/A
<i>Spegazzinia</i>												
Unknown/Other										<1	39.2	N/A
TOTAL	29	2270	100.0%	3	235	100.0%	7	549	100.0%	75	5800	100.0%
Non-Cellulosic Fibers	-	-	-	-	-	-	-	-	-	-	-	-
Hyphal Fragments	3	235	-	-	-	-	1	78.4	-	2	117.7	-
Insect Parts	-	-	-	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-	-	-	-
Skin Cell % of Total Debris		20-40%			0-20%			0-20%			N/A	
Total Debris in Background		60-80%			20-40%			40-60%			N/A	

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Darrin Parrick (32)

Analyst

Approved Signatory



Direct Exam: Spore Trap Analysis

SAI Method B-SOP-003



Customer: Fleetwood Daniels Group
PO Box 1144
Waynesville, NC 28786

Attn: Suzanne Hinson

Lab Order ID: 10037914

Analysis: STA

Date Received: 11/28/2023

Date Reported: 11/28/2023

Project: FDG231120 - Brevard High

Sample ID	BH-25			BH-26			BH-27			EXTERIOR		
Lab Sample ID	10037914_0025			10037914_0026			10037914_0027			AVERAGE		
Description	Interior-corridor @ 103			Interior-corridor @ cafe.			Interior-cafeteria			N/A		
Lab Notes										N/A		
Volume (L)	75			75			75			N/A		
Analytical Sensitivity (counts/m ³)	78			78			78			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	78.4	0.325%	<1	39.2	N/A
Ascospores	3	235	37.5%	4	313	5.88%	9	705	2.92%	36	2780	48.0%
<i>Aspergillus/Penicillium-like</i>							16	1250	5.19%			
Basidiospores	1	78.4	12.5%	2	157	2.94%	11	862	3.57%	21	1610	28.0%
<i>Cercospora-like</i>												
<i>Chaetomium</i>												
<i>Cladosporium</i>				46	3600	67.6%	218	17100	70.8%	13	981	17.3%
<i>Curvularia</i>												
<i>Drechslera/Bipolaris</i>												
<i>Epicoccum</i>				10	784	14.7%	23	1800	7.47%	2	118	2.67%
Myxomycete/Rust/Smut-like	4	313	50.0%	5	392	7.35%	28	2190	9.09%	3	196	4.00%
<i>Nigrospora</i>												
<i>Pithomyces</i>				1	78.4	1.47%	2	157	0.649%	<1	39.2	N/A
<i>Spegazzinia</i>												
Unknown/Other										<1	39.2	N/A
TOTAL	8	627	100.0%	68	5330	100.0%	308	24100	100.0%	75	5800	100.0%
Non-Cellulosic Fibers	-	-	-	-	-	-	-	-	-	-	-	-
Hyphal Fragments	-	-	-	2	157	-	8	627	-	2	117.7	-
Insect Parts	-	-	-	-	-	-	-	-	-	-	-	-
Pollen	1	78.4	-	-	-	-	-	-	-	-	-	-
Skin Cell % of Total Debris	0-20%			40-60%			40-60%			N/A		
Total Debris in Background	40-60%			40-60%			60-80%			N/A		

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Darrin Parrick (32)

Analyst

Approved Signatory



Direct Exam: Spore Trap Analysis

SAI Method B-SOP-003



Customer: Fleetwood Daniels Group
PO Box 1144
Waynesville, NC 28786

Attn: Suzanne Hinson

Lab Order ID: 10037914

Analysis: STA

Date Received: 11/28/2023

Date Reported: 11/28/2023

Project: FDG231120 - Brevard High

Sample ID	BH-28			BH-29			BH-30			EXTERIOR		
Lab Sample ID	10037914_0028			10037914_0029			10037914_0030			AVERAGE		
Description	Interior-kitchen			Interior-gym lobby btwn new/old gym			Interior-old gym			N/A		
Lab Notes										N/A		
Volume (L)	75			75			75			N/A		
Analytical Sensitivity (counts/m ³)	78			78			78			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>	2	157	1.35%							<1	39.2	N/A
Ascospores	4	313	2.7%	3	235	10.7%	4	313	80.0%	36	2780	48.0%
<i>Aspergillus/Penicillium-like</i>												
Basidiospores	6	470	4.05%	3	235	10.7%	1	78.4	20.0%	21	1610	28.0%
<i>Cercospora-like</i>												
<i>Chaetomium</i>												
<i>Cladosporium</i>	119	9330	80.4%	11	862	39.3%				13	981	17.3%
<i>Curvularia</i>												
<i>Drechslera/Bipolaris</i>				1	78.4	3.57%						
<i>Epicoccum</i>	9	705	6.08%							2	118	2.67%
Myxomycete/Rust/Smut-like	7	549	4.73%	9	705	32.1%				3	196	4.00%
<i>Nigrospora</i>												
<i>Pithomyces</i>	1	78.4	0.676%	1	78.4	3.57%				<1	39.2	N/A
<i>Spiegazzinia</i>												
Unknown/Other										<1	39.2	N/A
TOTAL	148	11600	100.0%	28	2190	100.0%	5	392	100.0%	75	5800	100.0%
Non-Cellulosic Fibers	-	-	-	-	-	-	-	-	-	-	-	-
Hyphal Fragments	6	470	-	7	549	-	-	-	-	2	117.7	-
Insect Parts	-	-	-	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-	-	-	-
Skin Cell % of Total Debris		40-60%			40-60%			20-40%			N/A	
Total Debris in Background		40-60%			20-40%			0-20%			N/A	

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Darrin Parrick (32)

Analyst

Approved Signatory



Direct Exam: Spore Trap Analysis

SAI Method B-SOP-003



Customer: Fleetwood Daniels Group
PO Box 1144
Waynesville, NC 28786

Attn: Suzanne Hinson

Lab Order ID: 10037914

Analysis: STA

Date Received: 11/28/2023

Date Reported: 11/28/2023

Project: FDG231120 - Brevard High

Sample ID	BH-31			BH-32						EXTERIOR		
Lab Sample ID	10037914_0031			10037914_0032						AVERAGE		
Description	Interior-atheltic trainer off.			Interior-exterior						N/A		
Lab Notes										N/A		
Volume (L)	75			75						N/A		
Analytical Sensitivity (counts/m³)	78			78						N/A		
IDENTIFICATION	Raw Count	Concentration (counts/m³)	% Of Total	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	78.4	3.57%	1	78.4	1.52%				<1	39.2	N/A
Ascospores	7	549	25.0%	31	2430	47.0%				36	2780	48.0%
<i>Aspergillus/Penicillium-like</i>												
Basidiospores	6	470.	21.4%	20	1570	30.3%				21	1610	28.0%
<i>Cercospora-like</i>												
<i>Chaetomium</i>												
<i>Cladosporium</i>	3	235	10.7%	11	862	16.7%				13	981	17.3%
<i>Curvularia</i>												
<i>Drechslera/Bipolaris</i>												
<i>Epicoccum</i>				1	78.4	1.52%				2	118	2.67%
Myxomycete/Rust/Smut-like	11	862	39.3%	1	78.4	1.52%				3	196	4.00%
<i>Nigrospora</i>												
<i>Pithomyces</i>				1	78.4	1.52%				<1	39.2	N/A
<i>Spegazzinia</i>												
Unknown/Other										<1	39.2	N/A
TOTAL	28	2190	100.0%	66	5170	100.0%	-	-	-	75	5800	100.0%
Non-Cellulosic Fibers	-	-	-	-	-	-	-	-	-	-	-	-
Hyphal Fragments	3	235	-	1	78.4	-	-	-	-	2	117.7	-
Insect Parts	-	-	-	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-	-	-	-
Skin Cell % of Total Debris		20-40%			0-20%				N/A		N/A	
Total Debris in Background		60-80%			40-60%				N/A		N/A	

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Darrin Parrick (32)

Analyst

Approved Signatory



Direct Exam: Tape Lift Analysis

SAI Method B-SOP-005



Customer: Fleetwood Daniels Group
PO Box 1144
Waynesville, NC 28786

Attn: Suzanne Hinson

Lab Order ID: 10037920

Analysis: DET

Date Received: 11/28/2023

Date Reported: 11/29/2023

Project: FDG231120 - Brevard High

Sample ID	BH-T-1						
Lab Sample ID	10037920 0001						
Description	Kitchen ceiling ve						
Lab Notes							
IDENTIFICATION							
<i>Cladosporium</i>	4						
<i>Epicoccum</i>	2						
Myxomycete/Rust/Smut-like	3						
Fruiting Bodies	4						
Hyphal Fragments	4						
Pollen							
Debris	2						

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LEGEND: 1=Trace (1-10 Spores); 2=Light (11-100 spores); 3=Abundant (101-300); 4=Loaded (>300 spores)

Palmer Hines (1)
Analyst

Approved Signatory