



*Effective and Economical
Environmental Solutions*

**Mold Air Sampling
Orchard Hill Elementary School
244 Orchard Road
Skillman, NJ 08558
Karl Environmental Group Project: 26-0866**

October 28, 2026

Prepared for:
Mr. Michael O'Neill
Buildings & Grounds Supervisor
Montgomery Township Board of Education
1014 Route 601
Skillman, NJ 08558

Prepared by:
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October 28, 2026

Mr. Michael O'Neill
Buildings & Grounds Supervisor
Montgomery Township Board of Education
1014 Route 601
Skillman, NJ 08558

**Re: Mold Air Sampling
 Orchard Hill Elementary School
 244 Orchard Road
 Skillman, NJ 08558
 Karl Environmental Group Project: 26-0866**

Dear Mr. O'Neill:

Thank you for selecting Karl Environmental Group ("Karl Environmental") for this project. This report details the methods and findings of the mold air sampling performed at Orchard Hill Elementary School and the ECC building located at 244 Orchard Road, Skillman, NJ (the "Facility") on October 12, and October 16, 2026.

1.0 EXECUTIVE SUMMARY

Karl Environmental Group conducted a mold assessment at Orchard Hill Elementary School and the ECC annex on October 12 and October 16, 2026. The assessment included a visual inspection and airborne mold spore sampling throughout both buildings. A total of 96 indoor air samples were collected during the two sampling events. The October 12 sampling identified elevated *Aspergillus*/*Penicillium*-like mold spore concentrations in Room 64, which is currently being investigated. The October 16 sampling identified elevated mold spore concentrations in Rooms 8 and 4 of the ECC, where thorough cleaning by facility staff is recommended, and in Room 137, which requires further investigation.

During the visual inspection, stained ceiling tiles were observed and noted in certain areas. Although no visible mold growth was observed on these tiles, replacement of the stained tiles is recommended. The ventilation grilles in the gymnasium were observed to have accumulations of dust and debris and should be cleaned.



Additionally, vents located within classroom shelving should be kept clean and free of obstructions from classroom supplies to maintain proper airflow and reduce conditions that may contribute to mold growth.

All remaining sampled areas exhibited airborne mold spore concentrations within normal ranges. Based on the assessment findings, the identified areas should receive the recommended cleaning, maintenance, or further investigation, as applicable. The remaining sampled areas are considered suitable for normal occupancy based on the observed conditions and sampling results.

2.0 PROJECT BACKGROUND

Mold sampling was requested throughout Orchard Elementary School and the ECC annex. Karl Environmental conducted airborne mold spore sampling to determine if elevated mold spore concentrations were present in the air. The following investigative practices were conducted:

- Visual inspection for signs of mold growth
- Air sampling and laboratory analysis for airborne mold spore concentrations

3.0 VISUAL INSPECTION

Karl Environmental performed a visual inspection in the areas of the Facility listed in Section 2.0. The purpose of the inspection was to identify visible suspected mold growth. The inspection was limited to the observation of readily accessible areas and did not include the removal of furniture, wall coverings, other items, or the inspection of ventilation systems. The inspection identified the following conditions at the Facility:

- At the time of testing, no visual signs of mold were detected

4.0 INTRODUCTION TO MOLD

Mold spores are found everywhere, indoors, and outdoors. Some mold types are associated with wet building materials, and are known as moisture indicators, while others are more commonly associated with the outdoors in plant material or soil substrate. Like pollen and other airborne contaminants, mold spores can trigger asthma or allergy attacks as well as adversely affect those with suppressed immune systems. Individual sensitivity plays a major role in mold reactions, and spore concentrations that do not affect one individual may cause reactions in another.



Mold concentrations vary with season and other conditions, making it difficult for regulating bodies to create indices for “safe” indoor mold amounts. For those with mold sensitivities, any amount may trigger discomfort. It is therefore wise to reduce indoor mold to as low a level as possible.

5.0 MOLD SAMPLING METHODOLOGY

Karl Environmental collected a total of ninety-six (96) air samples from inside the Facilities on October 12, and October 16, 2026. The collection of both indoor and outdoor air samples allows for the comparison of the volume of spores in the air as well as the diversity of the sample composition to assess air quality inside the Facility.

Air samples were collected using individual Allergenco-D® biocassettes and a BUCK BioAire Pump® set to draw air at 15 liters per minute for 10 minutes per sample, resulting in a sample volume of 150 liters. The pump was calibrated prior to use. Upon collection, all samples were sealed and recorded on a Chain of Custody and sent to CEI Labs of Cary, North Carolina, for analysis. CEI Labs, Inc. is an American Industrial Hygiene Association (AIHA) Environmental Microbiology Laboratory Accreditation Program (EMLAP) accredited laboratory (#103025).

6.0 MOLD SAMPLING RESULTS

Mold air sampling results from the Facility and outside are summarized in Table 1.

Table 1: Mold Analytical Results Summary (Air Samples) - October 12, 2026

Sample I.D.	Location	Total spores /m ³	Number of Species Positively Identified	Predominant Species by Percentage	Other Notable Species Present
101	Room 101	6900	4	Basidiospores (99%)	N/A
102	Room 102	5800	2	Basidiospores (100%)	N/A
103	Room 103	6100	2	Basidiospores (99%)	N/A
104	Room 104	4700	4	Basidiospores (99%)	N/A
105	Room 105	5700	1	Basidiospores (100%)	N/A
106	Room 106	7700	2	Basidiospores (100%)	N/A
107	Room 107	4800	3	Basidiospores (98%)	N/A
108	Room 108	500	3	Basidiospores (91%)	N/A
WGYM R	West Gym Right	4400	2	Basidiospores (100%)	N/A
WGYM L	West Gym Left	5600	2	Basidiospores (100%)	N/A
7	Room 7	5400	6	Basidiospores (97%)	N/A
8	Room 8	4200	8	Basidiospores (95%)	N/A

Karl Environmental Group
Project 26-0866 Orchard Elementary School



Sample I.D.	Location	Total spores /m ³	Number of Species Positively Identified	Predominant Species by Percentage	Other Notable Species Present
9	Room 9	470	5	Basidiospores (82%)	N/A
110	Room 110	1400	2	Basidiospores (98%)	N/A
111	Room 111	1500	3	Basidiospores (99%)	N/A
112	Room 112	6200	4	Basidiospores (98%)	N/A
113	Room 113	15000	2	Basidiospores (100%)	N/A
114	Room 114	4600	2	Basidiospores (99%)	N/A
115	Room 115	670	7	Basidiospores (72%)	N/A
116	Room 116	11000	5	Basidiospores (98%)	N/A
117	Room 117	4200	4	Basidiospores (98%)	N/A
118	Room 118	1800	3	Basidiospores (98%)	N/A
119	Room 119	4700	2	Basidiospores (100%)	N/A
120	Room 120	4600	3	Basidiospores (98%)	N/A
121	Room 121	450	2	Basidiospores (97%)	N/A
122	Room 122	1700	2	Basidiospores (98%)	N/A
123	Room 123	530	5	Basidiospores (85%)	N/A
13	Room 13	2200	3	Basidiospores (99%)	N/A
124	Room 124	3100	3	Basidiospores (98%)	N/A
125	Room 125	9200	7	Basidiospores (98%)	N/A
15	Room 15	3700	3	Basidiospores (99%)	N/A
126	Room 126	3100	3	Basidiospores (98%)	N/A
127	Room 127	2600	4	Basidiospores (97%)	N/A
128	Room 128	4000	4	Basidiospores (99%)	N/A
129	Room 129	2300	3	Basidiospores (99%)	N/A
130	Room 130	5800	3	Basidiospores (99%)	N/A
131	Room 131	4400	3	Basidiospores (98%)	N/A
132	Room 132	1600	2	Basidiospores (100%)	N/A
133	Room 133	2100	5	Basidiospores (98%)	N/A
134	Room 134	6500	3	Basidiospores (100%)	N/A
135	Room 135	1200	3	Basidiospores (98%)	N/A
136	Room 136	1600	3	Basidiospores (99%)	N/A
57-A	Room 57-A	460	4	Basidiospores (51%)	Pen/Asp (42%)
57-B	Room 57-B	490	4	Basidiospores (78%)	N/A
62	Room 62	410	3	Basidiospores (79%)	N/A
63	Room 63	410	3	Basidiospores (84%)	N/A
64	Room 64	2100	6	Pen/Asp (81%)	N/A
Nurse	Nurse Office	47	1	Basidiospores (100%)	N/A
58/59	Room 58/59	470	3	Basidiospores (57%)	Cladosporium (27%)
60	Room 60	1800	5	Basidiospores (83%)	N/A
OUT	Outside	27000	9	Basidiospores (95%)	N/A



Table 2: Mold Analytical Results Summary (Air Samples) - October 16, 2026

Sample I.D.	Location	Total spores /m ³	Number of Species Positively Identified	Predominant Species by Percentage	Other Notable Species Present
ECC 1	ECC Room 1	850	6	Basidiospores (77%)	N/A
ECC 2	ECC Room 2	14000	5	Basidiospores (98%)	N/A
ECC 3	ECC Room 3	2600	5	Basidiospores (89%)	N/A
ECC 4	ECC Room 4	2000	5	Basidiospores (81%)	N/A
ECC 5	ECC Room 5	880	5	Basidiospores (69%)	N/A
ECC 6	ECC Room 6	1600	10	Basidiospores (75%)	N/A
ECC 7	ECC Room 7	1100	4	Basidiospores (89%)	N/A
ECC 8	ECC Room 8	1500	9	Basidiospores (52%)	N/A
ECC TP	ECC Teacher's Prep	990	5	Basidiospores (86%)	N/A
ECC O	ECC Offices	2200	5	Basidiospores (95%)	N/A
ECC CHILL	ECC Chill Room	2000	5	Basidiospores (93%)	N/A
137	Room 137	710	3	Pen/Asp (77%)	Basidiospores (17%)
146	Room 146	380	5	Basidiospores (74%)	N/A
160	Room 160	1500	5	Basidiospores (86%)	N/A
MO	Main Office	630	6	Basidiospores (55%)	Pen/Asp (17%)
153	Room 153	470	5	Basidiospores (58%)	N/A
79	Room 79	240	4	Basidiospores (83%)	N/A
161	Room 161	440	4	Basidiospores (77%)	N/A
155	Room 155	470	7	Basidiospores (79%)	N/A
157	Room 157	430	5	Basidiospores (81%)	N/A
156	Room 156	810	6	Basidiospores (74%)	N/A
151	Room 151	610	3	Basidiospores (92%)	N/A
152	Room 152	590	5	Basidiospores (85%)	N/A
154	Room 154	730	4	Basidiospores (84%)	N/A
158	Room 158	2300	6	Basidiospores (86%)	N/A
EGYM	East Gym	2000	6	Basidiospores (87%)	N/A
162	Room 162	1900	4	Basidiospores (96%)	N/A
164	Room 164	1500	6	Basidiospores (85%)	N/A
148	Room 148	2000	5	Basidiospores (92%)	N/A
150	Room 150	370	5	Basidiospores (80%)	N/A
149	Room 149	1500	6	Basidiospores (88%)	N/A
147	Room 147	4700	5	Basidiospores (94%)	N/A
145	Room 145	1200	4	Basidiospores (95%)	N/A



Sample I.D.	Location	Total spores /m ³	Number of Species Positively Identified	Predominant Species by Percentage	Other Notable Species Present
140	Room 140	2000	5	Basidiospores (88%)	N/A
142	Room 142	3700	5	Basidiospores (96%)	N/A
144	Room 144	640	5	Basidiospores (84%)	N/A
141	Room 141	570	3	Basidiospores (86%)	N/A
139	Room 139	630	5	Basidiospores (65%)	N/A
138	Room 138	2200	6	Basidiospores (88%)	N/A
143	Room 143	2800	5	Basidiospores (93%)	N/A
OUT	Outside	34000	8	Basidiospores (92%)	N/A

A mold glossary is attached. Laboratory analytical results and the chain of custody are included in this report.

7.0 CONCLUSIONS & RECOMMENDATIONS

Karl Environmental Group conducted a mold assessment at Orchard Hill Elementary School and the ECC annex located on the same property. The assessment included a visual inspection and airborne mold spore sampling conducted on October 12 and October 16, 2026. A total of 53 indoor air samples were collected on October 12, followed by 43 indoor air samples on October 16. Sampling covered essentially every room within both buildings.

No visible signs of mold growth were observed during the visual inspection. However, several maintenance items were identified in response to the reported concerns. Stained ceiling tiles were observed in certain areas. Although visible mold growth was not observed on the tiles, replacement is recommended as a maintenance measure. The ventilation grilles in the gymnasium were observed to have accumulations of dust and debris and should be cleaned. Vents located within classroom shelving should also be kept clean and unobstructed by classroom supplies to ensure adequate airflow. Maintaining clean, unobstructed ventilation openings helps promote proper air circulation and reduce conditions conducive to mold growth.

Laboratory analysis of the October 12 air samples identified elevated *Aspergillus*/*Penicillium*-like mold spore concentrations in Room 64. This finding is currently being investigated to determine the appropriate course of action.



Analysis of the October 16 samples identified elevated mold spore concentrations in Rooms 8 and 4 of the ECC. Thorough cleaning of these rooms by facility staff is recommended to reduce accumulated dust and airborne mold spores. Room 137 also exhibited elevated mold spore concentrations and requires further investigation to determine the source of the elevated levels and whether corrective action is necessary.

All other sampled rooms within Orchard Hill Elementary School and the ECC exhibited airborne mold spore concentrations within normal ranges. Based on the sampling results and visual observations, no additional mold-related corrective actions are indicated for these areas, and they are considered suitable for normal occupancy.

8.0 LIMITATIONS

The main purpose of the investigation outlined within this report was to identify and report signs of potential mold growth along with conditions that are conducive to mold growth as evident to the hygienist on the day of the investigation. The investigation was a non-intrusive, visual examination and included only visible and readily accessible components and systems. This investigation was not an inspection of mechanical systems and did not attempt to identify physical defects in any component or system.

The hygienist did not dismantle and/or move equipment, systems, furniture, appliances, floor coverings, finished or fastened surfaces or components, personal property or other items to conduct this investigation or otherwise to expose concealed or inaccessible conditions. The investigation did not include destructive testing of any kind. Sampling was completed in the locations denoted in this text.

The investigation and report are not a guarantee or a warranty that the surfaces and items in the areas of investigation are mold-free, or that concealed conditions conducive to mold do not or will not exist. Problems may exist even though signs of such may not be present during an investigation.



9.0 CLOSING

Thank you for using Karl to assist you with this project. Please do not hesitate to call if you have any questions relating to this report or for any other environmental health and safety concerns.

Respectfully submitted,
Karl Environmental Group

Angela Meas
Industrial Hygienist
Karl Environmental Group
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Email: ameas@karlenv.com

Attachment A – Mold Glossary
Attachment B – Laboratory Results/COC



Attachment A

Mold Glossary



It is important to note when reading the information presented here, that the presence of a particular species of mold spores does not confirm the presence of a particular mycotoxin, and individual sensitivity will play a major role, as well. Spore concentrations that do not affect one individual may cause reactions in another. The following information is presented as an overview of the mold spores identified in and around your property, and is intended to be used only as general information or a glossary.

Alternaria: This genus comprises a large number of saprobes and plant pathogens. In humans, it is recognized to cause type I and type II allergic responses. Because of the large size of the spores, it can be deposited in the nose, mouth, and upper respiratory tract. It has been known to cause Baker's asthma, farmer's lung, and hay fever. Certain species of *Alternaria* have the capability to produce tenuazonic acid and altertoxin, both mycotoxins. There are approximately 40-50 different species of *Alternaria*. It is one of the more common fungi found in nature.

Arthriniium: This fungus is a saprobe (an organism that derives nourishment from non-living or decaying matter) and is found on plant material. There is no known mycotoxin production and only one of the approximately twenty species of *Arthriniium* is a potential allergen.

Ascospores: Ascospores are ubiquitous in nature and are commonly found in the outdoor environment. This group contains possible allergens, mycotoxin producers, and opportunistic human pathogens.

Aspergillus/Penicillium: *Penicillium* spores are ubiquitous in the environment. These spores are easily aerosolized and can cause a variety of symptoms including allergic reactions, keratitis, hypersensitivities and pneumonitis. Most of these symptoms occur if the individual is immunocompromised in some way (HIV, cancer, etc). *Aspergillus* species can produce a variety of symptoms and disease for an affected individual. There are over 175 different *Aspergillus* species, and they can produce fungal hypersensitivities. Both *Penicillium* and *Aspergillus* spores share similar morphology on non-viable analysis and therefore are lumped together into the same group.

Basidiospores: Basidiospores are agents of wood rot and have the potential to produce a variety of toxins. Members of this family produce type I and III fungal hypersensitivity reactions.

Bipolaris/Drechslera: This group of fungi constitutes the most commonly reported causes of allergic fungal sinusitis. They produce type I fungal hypersensitivity in humans. In the wild, they are plant parasites and are recovered from this type of material. *Bipolaris* sp. has been reported to produce sterigmatocystin, a mycotoxin. Because of the microscopic similarities between the two genera, they are grouped together on both viable and non-viable analysis.

Chaetomium: This genus is often found on materials containing cellulose, or other wet materials. It is also considered part of the ascomycete group because its spores are released from a sac called an ascus. *Chaetomium* can produce type I fungal hypersensitivity and has caused onychomycosis (nail infections). *Chaetomium* species can also produce mycotoxins, such as chaetomin.

Cladosporium: *Cladosporium* spores are commonly found on dead plants, food, textiles and a variety of other surfaces. This genus comprises perhaps the most common spores in both the indoor and outdoor environment. Some species produce a mycotoxin, epicladosporic acid that acts in an immunosuppressive manner. Illnesses caused by this genus can include phaeohyphomycosis, chromoblastomycosis, hay fever, and common allergies.

Culvularia: *Culvularia* species is found on plant material and is considered a saprobe. It has been reported to cause type I hypersensitivity and to be a cause of allergic fungal sinusitis.



Epicoccum: Epicoccum is a saprophyte and considered a weakly parasitic secondary invader of plants, moldy paper, and textiles. Epicoccum is usually isolated with Cladosporium species or Aureobasidium species. It produces the mycotoxins flavipin and epicorazine A&B. It also has the potential to produce type I fungal hypersensitivity reactions.

Nigrospora: Nigrospora sp. is usually considered a contaminant; its pathogenesis is not well studied. It has been associated with type I allergic responses and is usually found in plant material as a saprobe.

Periconia/Smuts/Myxomycetes: Smuts and Myxomycetes are parasitic plant pathogens and can produce type I fungal hypersensitivity reactions. There are occasions where Periconia have been implicated in mycotic keratitis, but this is a rare event. All three are typically grouped together due to their association with plants, the outdoors, and because they share similar microscopic morphology.

Pithomyces: Pithomyces is commonly found on grass and decaying plant material. It has the potential to produce the mycotoxin sporidesmin.

Scopulariosis - Most species in this genus are soil species, but are also found in food and building materials. Grows where water is abundant. Very little is known about the health effects of this type of mold.

Spegazzinia: No current information is known on the toxicity of this mold type. It is normally found outdoors in soil and plant life.

Stachybotrys: Stachybotrys grows well on wet media, preferably containing cellulose. It proliferates in the indoor environment, growing on wallpaper, gypsum board, and textiles. It has worldwide distribution and has been reported to cause dermatitis, cough, rhinitis, headache, although no definitive reports of human infections have been verified. It has the ability to cause type I hypersensitivity and some species produce the following mycotoxins: satratoxin, verrucarins and roridins.

Stemphylium: Stemphylium has been reported to be a type I allergen and is considered a contaminant. It is usually isolated from dead materials and is either parasitic or saprophytic.

Rusts: Rusts are serious plant pathogens associated with cereal crops. These smut teliospores can serve as potential allergens.

Torula: Torula is a saprophyte and is reported to produce type I fungal hypersensitivity. It is typically found in wood containing materials.

Trichoderma: Trichoderma is commonly isolated in soils, air and in plant materials. It is usually considered non pathogenic, however, it has the possibility to produce trichothecene mycotoxins and symptoms similar to that of "Sick Building Syndrome." Trichoderma is also considered a type I and III allergen. In the laboratory, Trichoderma can be a contaminant due to the fact that it can produce confluent growth and take over an entire culture.



Attachment B

Laboratory Results/COC

October 20, 2026

Angela Meas
Karl & Associates
20 Lauck Road
Mohnton, PA 19540

CLIENT PROJECT: 26-0866, Montgomery BOE Orchard School
LAB CODE: 794512-1R

Dear Angela,

Enclosed are mold analysis results for air samples received at our laboratory on 10/14/26. The samples were analyzed for mold spores using nonviable direct microscopy.

Thank you for your business and we look forward to continuing good relations.

Kind Regards,



Kamila Reichert,
Laboratory Director

AIHA LAP 103025

MOLD SPORE TRAP REPORT
By: Nonviable Direct Microscopy

Prepared for

Karl & Associates

CLIENT PROJECT: 26-0866, Montgomery BOE Orchard School

LAB CODE: 794512-1R

TEST METHOD: CEI Method 110

REPORT DATE: 10/20/26



By: Nonviable Direct Microscopy

Lab Code: 794512-1R
Date Received: 10/14/26
Date Analyzed: 10/15/26 - 10/20/26
Date Reported: 10/20/26

Project: 26-0866, Montgomery BOE Orchard School

Method: CEI Method 110

		Client ID	101				102				103			
		Lab ID												
		Location												
		Volume												
IDENTIFICATION		Raw Counts	% Analyzed	Spores per m³	% of Total	Raw Counts	% Analyzed	Spores per m³	% of Total	Raw Counts	% Analyzed	Spores per m³	% of Total	
Predominantly Outdoor	Alternaria													
	Arthrinium													
	Ascospores - Non-Specified	8	100	53	1	4	100	27	<1	6	100	40	1	
	Basidiospores - Non-Specified	112	11	6787	99	121	14	5760	100	128	14	6093	99	
	Bipolaris/Drechslera-like													
	Cercospora - Like													
	Curvularia													
	Epicoccum													
	Helicomyces*													
	Nigrospora													
	Peronospora													
	Myxomycetes/Periconia/Smuts/Rusts	1	100	7	<1									
	Pithomyces													
	Spegazzinia													
	Stemphylium													
Tetraploa														
Torula														
Non-specified spore														
Total		125		6900	100%	125		5800	100%	134		6100	100%	
Background Debris		1				1				1				
Pollen Count														
Hyphal Fragments														
Analytical Sensitivity (Spores/m³)		6.7				6.7				6.7				

* *Heliocomyces* includes *Helicosporium*

Spores per m³ (final counts) reported to 2 significant figures

Spores of *Aspergillus*, *Penicillium*, and others are small with few distinguishing features and therefore can not be differentiated.

If % analyzed is <100%, spores per m³ is based on extrapolation and not actual count.

Information provided by customer includes customer sample ID, location, volume and area as well as date and time of sampling.



By: Nonviable Direct Microscopy

Lab Code: 794512-1R
Date Received: 10/14/26
Date Analyzed: 10/15/26 - 10/20/26
Date Reported: 10/20/26

Method: CEI Method 110

		Client ID	104				105				106			
		Lab ID												
		Location												
		Volume												
IDENTIFICATION		Raw Counts	% Analyzed	Spores per m³	% of Total	Raw Counts	% Analyzed	Spores per m³	% of Total	Raw Counts	% Analyzed	Spores per m³	% of Total	
Predominantly Outdoor	Alternaria													
	Arthrinium													
	Ascospores - Non-Specified	2	100	13	<1									
	Basidiospores - Non-Specified	126	18	4667	99	119	14	5667	100	126	11	7633	100	
	Bipolaris/Drechslera-like													
	Cercospora - Like													
	Curvularia													
	Epicoccum	1	100	7	<1									
	Helicomyces*													
	Nigrospora													
	Peronospora													
	Myxomycetes/Periconia/Smuts/Rusts													
	Pithomyces													
	Spegazzinia													
	Stemphylium													
	Tetraploa													
	Torula													
Non-specified spore														

Information provided by customer includes customer sample ID, location, volume and area as well as date and time of sampling.



By: Nonviable Direct Microscopy

Lab Code: 794512-1R
Date Received: 10/14/26
Date Analyzed: 10/15/26 - 10/20/26
Date Reported: 10/20/26

Project: 26-0866, Montgomery BOE Orchard School

Method: CEI Method 110

		Client ID	107				108				WGYM R			
		Lab ID												
		Location												
		Volume												
IDENTIFICATION		Raw Counts	% Analyzed	Spores per m³	% of Total	Raw Counts	% Analyzed	Spores per m³	% of Total	Raw Counts	% Analyzed	Spores per m³	% of Total	
Predominantly Outdoor	Alternaria													
	Arthrinium													
	Ascospores - Non-Specified					2	100	13	3	3	100	20	<1	
	Basidiospores - Non-Specified	128	18	4740	98	68	100	453	91	119	18	4407	100	
	Bipolaris/Drechslera-like													
	Cercospora - Like													
	Curvularia													
	Epicoccum													
	Helicomyces*													
	Nigrospora													
	Peronospora													
	Myxomycetes/Periconia/Smuts/Rusts	10	100	67	1									
	Pithomyces													
	Spegazzinia													
	Stemphylium													
Tetraploa														
Torula														
Non-specified spore														
Total		140		4800	100%	75		500	100%	122		4400	100%	
Background Debris		1				1				1				
Pollen Count														
Hyphal Fragments		5												
Analytical Sensitivity (Spores/m³)		6.7				6.7				6.7				

* *Heliocomyces* includes *Helicosporium*

Spores per m³ (final counts) reported to 2 significant figures

Spores of *Aspergillus*, *Penicillium*, and others are small with few distinguishing features and therefore can not be differentiated.

If % analyzed is <100%, spores per m³ is based on extrapolation and not actual count.

Information provided by customer includes customer sample ID, location, volume and area as well as date and time of sampling.



Lab Code: 794512-1R
Date Received: 10/14/26
Date Analyzed: 10/15/26 - 10/20/26
Date Reported: 10/20/26

Method: CEI Method 110

* *Heliocomyces* includes *Helicosporium*
Spores per m³ (final counts) reported to 2 significant figures
Spores of *Aspergillus*, *Penicillium*, and others are small with few distinguishing features and therefore can not be differentiated.
If % analyzed is <100%, spores per m³ is based on extrapolation and not actual count.
Information provided by customer includes customer sample ID, location, volume and area as well as date and time of sampling.



Lab Code: 794512-1R
Date Received: 10/14/26
Date Analyzed: 10/15/26 - 10/20/26
Date Reported: 10/20/26

Method: CEI Method 110

		Client ID	9				110				111			
		Lab ID												
		Location												
		Volume												
IDENTIFICATION		Raw Counts	% Analyzed	Spores per m³	% of Total	Raw Counts	% Analyzed	Spores per m³	% of Total	Raw Counts	% Analyzed	Spores per m³	% of Total	
Predominantly Outdoor	Alternaria													
	Arthrinium													
	Ascospores - Non-Specified	3	100	20	4	4	100	27	2	2	100	13	1	
	Basidiospores - Non-Specified	58	100	387	82	117	57	1367	98	113	50	1507	99	
	Bipolaris/Drechslera-like													
	Cercospora - Like													
	Curvularia	1	100	7	1									
	Epicoccum													
	Helicomyces*													
	Nigrospora													
	Peronospora													
	Myxomycetes/Periconia/Smuts/Rusts	8	100	53	11					1	100	7	<1	
	Pithomyces	1	100	7	1									
	Spegazzinia													
	Stemphylium													
Tetraploa														
Torula														
Non-specified spore														
Total		71		470	100%	121		1400	100%	116		1500	100%	
Background Debris		2				3				2				
Pollen Count														
Hyphal Fragments														
Analytical Sensitivity (Spores/m³)		6.7				6.7				6.7				

Information provided by customer includes customer sample ID, location, volume and area as well as date and time of sampling.



Lab Code: 794512-1R
Date Received: 10/14/26
Date Analyzed: 10/15/26 - 10/20/26
Date Reported: 10/20/26

Method: CEI Method 110

* Heliocomyces includes Helicosporium
Spores per m³ (final counts) reported to 2 significant figures
Spores of Aspergillus, Penicillium, and others are small with few distinguishing features and therefore can not be differentiated.
If % analyzed is <100%, spores per m³ is based on extrapolation and not actual count.
Information provided by customer includes customer sample ID, location, volume and area as well as date and time of sampling.



By: Nonviable Direct Microscopy

Lab Code: 794512-1R
Date Received: 10/14/26
Date Analyzed: 10/15/26 - 10/20/26
Date Reported: 10/20/26

Project: 26-0866, Montgomery BOE Orchard School

Method: CEI Method 110

		Client ID Lab ID Location Volume	115				116				117			
IDENTIFICATION		Raw Counts	% Analyzed	Spores per m³	% of Total	Raw Counts	% Analyzed	Spores per m³	% of Total	Raw Counts	% Analyzed	Spores per m³	% of Total	
Predominantly Outdoor	Alternaria													
	Arthrinium													
	Ascospores - Non-Specified	5	100	33	5	6	100	40	<1	9	100	60	1	
	Basidiospores - Non-Specified	72	100	480	72	114	7	10860	98	112	18	4147	98	
	Bipolaris/Drechslera-like	1	100	7	1									
	Cercospora - Like													
	Curvularia													
	Epicoccum	1	100	7	1									
	Helicomyces*													
	Nigrospora													
	Peronospora													
	Myxomycetes/Periconia/Smuts/Rusts	8	100	53	8	3	100	20	<1	2	100	13	<1	
	Pithomyces	1	100	7	1									
	Spegazzinia													
	Stemphylium													
Tetraploa														
Torula														
Non-specified spore														
Total		100		670	100%	144		11000	100%	126		4200	100%	
Background Debris		2				1				1				
Pollen Count														
Hyphal Fragments														
Analytical Sensitivity (Spores/m³)		6.7				6.7				6.7				

* *Heliocomyces* includes *Helicosporium*

Spores per m³ (final counts) reported to 2 significant figures

Spores of *Aspergillus*, *Penicillium*, and others are small with few distinguishing features and therefore can not be differentiated.

If % analyzed is <100%, spores per m³ is based on extrapolation and not actual count.

Information provided by customer includes customer sample ID, location, volume and area as well as date and time of sampling.



Built Environment Testing

MOLD SPORE TRAP REPORT

By: Nonviable Direct Microscopy

Client: Karl & Associates
20 Lauck Road
Mohnton, PA 19540

Lab Code: 794512-1R
Date Received: 10/14/26
Date Analyzed: 10/15/26 - 10/20/26
Date Reported: 10/20/26

Project: 26-0866, Montgomery BOE Orchard School

Method: CEI Method 110

		118				119				120			
Client ID													
Lab ID													
Location													
Volume													
IDENTIFICATION		Raw Counts	% Analyzed	Spores per m³	% of Total	Raw Counts	% Analyzed	Spores per m³	% of Total	Raw Counts	% Analyzed	Spores per m³	% of Total
Predominantly Outdoor	Alternaria												
	Arthrinium												
	Ascospores - Non-Specified	2	100	13	1	3	100	20	<1				
	Basidiospores - Non-Specified	120	46	1740	98	126	18	4667	100	121	18	4480	98
	Bipolaris/Drechslera-like												
	Cercospora - Like												
	Curvularia												
	Epicoccum												
	Helicomyces*												
	Nigrospora												
	Peronospora												
	Myxomycetes/Periconia/Smuts/Rusts	2	100	13	1					10	100	67	1
	Pithomyces												
	Spegazzinia												
	Stemphylium												
	Tetraploa												
	Torula												
	Non-specified spore												
Total		124		1800	100%	129		4700	100%	136		4600	100%
Background Debris		1				1				2			
Pollen Count													
Hyphal Fragments										1			
Analytical Sensitivity (Spores/m³)		6.7				6.7				6.7			

* Heliocomyces includes Helicosporium

Spores per m³ (final counts) reported to 2 significant figures

Spores of Aspergillus, Penicillium, and others are small with few distinguishing features and therefore can not be differentiated.

If % analyzed is <100%, spores per m³ is based on extrapolation and not actual count.

Information provided by customer includes customer sample ID, location, volume and area as well as date and time of sampling.



Lab Code: 794512-1R
Date Received: 10/14/26
Date Analyzed: 10/15/26 - 10/20/26
Date Reported: 10/20/26

Method: CEI Method 110

* *Heliocomyces* includes *Helicosporium*
Spores per m³ (final counts) reported to 2 significant figures
Spores of *Aspergillus*, *Penicillium*, and others are small with few distinguishing features and therefore can not be differentiated.
If % analyzed is <100%, spores per m³ is based on extrapolation and not actual count.
Information provided by customer includes customer sample ID, location, volume and area as well as date and time of sampling.



By: Nonviable Direct Microscopy

Lab Code: 794512-1R
Date Received: 10/14/26
Date Analyzed: 10/15/26 - 10/20/26
Date Reported: 10/20/26

Project: 26-0866, Montgomery BOE Orchard School

Method: CEI Method 110

		Client ID Lab ID Location Volume	13				124				125			
			4917160				4917161				4917162			
			Room 13 - Faculty Work Room				Room 124				Room 125			
			150 L				150 L				150 L			
IDENTIFICATION		Raw Counts	% Analyzed	Spores per m³	% of Total	Raw Counts	% Analyzed	Spores per m³	% of Total	Raw Counts	% Analyzed	Spores per m³	% of Total	
Predominantly Outdoor	Alternaria													
	Arthrinium													
	Ascospores - Non-Specified	1	100	7	<1					6	100	40	<1	
	Basidiospores - Non-Specified	106	32	2207	99	163	36	3020	98	149	11	9033	98	
	Bipolaris/Drechslera-like													
	Cercospora - Like													
	Curvularia													
	Epicoccum													
	Helicomyces*													
	Nigrospora									1	100	7	<1	
	Peronospora													
	Myxomycetes/Periconia/Smuts/Rusts									7	100	47	1	
	Pithomyces									1	100	7	<1	
	Spegazzinia													
	Stemphylium													
Tetraploa														
Torula														
Non-specified spore														
Total		111		2200	100%	172		3100	100%	178		9200	100%	
Background Debris		1				1				1				
Pollen Count														
Hyphal Fragments														
Analytical Sensitivity (Spores/m³)		6.7				6.7				6.7				

* *Heliocomyces* includes *Helicosporium*

Spores per m³ (final counts) reported to 2 significant figures

Spores of *Aspergillus*, *Penicillium*, and others are small with few distinguishing features and therefore can not be differentiated.

If % analyzed is <100%, spores per m³ is based on extrapolation and not actual count.

Information provided by customer includes customer sample ID, location, volume and area as well as date and time of sampling.



By: Nonviable Direct Microscopy

Lab Code: 794512-1R
Date Received: 10/14/26
Date Analyzed: 10/15/26 - 10/20/26
Date Reported: 10/20/26

Method: CEI Method 110

		Client ID	15				126				127			
		Lab ID												
		Location												
		Volume												
IDENTIFICATION		Raw Counts	% Analyzed	Spores per m³	% of Total	Raw Counts	% Analyzed	Spores per m³	% of Total	Raw Counts	% Analyzed	Spores per m³	% of Total	
Predominantly Outdoor	Alternaria													
	Arthrinium													
	Ascospores - Non-Specified	3	100	20	1	1	100	7	<1					
	Basidiospores - Non-Specified	114	21	3620	99	132	29	3033	98	119	32	2480	97	
	Bipolaris/Drechslera-like													
	Cercospora - Like													
	Curvularia													
	Epicoccum													
	Helicomyces*													
	Nigrospora													
	Peronospora													
	Myxomycetes/Periconia/Smuts/Rusts	2	100	13	<1					7	100	47	2	
	Pithomyces													
	Spegazzinia													
	Stemphylium													
Tetraploa														
Torula														
Non-specified spore														
Total		119		3700	100%	143		3100	100%	131		2600	100%	
Background Debris		1				1				1				
Pollen Count														
Hyphal Fragments														
Analytical Sensitivity (Spores/m³)		6.7				6.7				6.7				

* *Heliocomyces* includes *Helicosporium*

Spores per m³ (final counts) reported to 2 significant figures

Spores of *Aspergillus*, *Penicillium*, and others are small with few distinguishing features and therefore can not be differentiated.

If % analyzed is <100%, spores per m³ is based on extrapolation and not actual count.

Information provided by customer includes customer sample ID, location, volume and area as well as date and time of sampling.



By: Nonviable Direct Microscopy

Lab Code: 794512-1R
Date Received: 10/14/26
Date Analyzed: 10/15/26 - 10/20/26
Date Reported: 10/20/26

Project: 26-0866, Montgomery BOE Orchard School

Method: CEI Method 110

		Client ID	128				129				130			
		Lab ID												
		Location												
		Volume												
IDENTIFICATION		Raw Counts	% Analyzed	Spores per m³	% of Total	Raw Counts	% Analyzed	Spores per m³	% of Total	Raw Counts	% Analyzed	Spores per m³	% of Total	
Predominantly Outdoor	Alternaria													
	Arthrinium													
	Ascospores - Non-Specified	2	100	13	<1	1	100	7	<1					
	Basidiospores - Non-Specified	126	21	4000	99	125	36	2313	99	121	14	5760	99	
	Bipolaris/Drechslera-like													
	Cercospora - Like													
	Curvularia													
	Epicoccum													
	Helicomyces*													
	Nigrospora													
	Peronospora													
	Myxomycetes/Periconia/Smuts/Rusts									9	100	60	1	
	Pithomyces									1	100	7	<1	
	Spegazzinia													
	Stemphylium													
Tetraploa														
Torula														
Non-specified spore														
Total		133		4000	100%	128		2300	100%	131		5800	100%	
Background Debris		1				1				2				
Pollen Count														
Hyphal Fragments										0				
Analytical Sensitivity (Spores/m³)		6.7				6.7				6.7				

* *Heliocomyces* includes *Helicosporium*

Spores per m³ (final counts) reported to 2 significant figures

Spores of *Aspergillus*, *Penicillium*, and others are small with few distinguishing features and therefore can not be differentiated.

If % analyzed is <100%, spores per m³ is based on extrapolation and not actual count.

Information provided by customer includes customer sample ID, location, volume and area as well as date and time of sampling.



By: Nonviable Direct Microscopy

Lab Code: 794512-1R
Date Received: 10/14/26
Date Analyzed: 10/15/26 - 10/20/26
Date Reported: 10/20/26

Project: 26-0866, Montgomery BOE Orchard School

Method: CEI Method 110

		Client ID	131				132				133			
		Lab ID												
		Location												
		Volume												
IDENTIFICATION		Raw Counts	% Analyzed	Spores per m³	% of Total	Raw Counts	% Analyzed	Spores per m³	% of Total	Raw Counts	% Analyzed	Spores per m³	% of Total	
Predominantly Outdoor	Alternaria													
	Arthrinium													
	Ascospores - Non-Specified													
	Basidiospores - Non-Specified	136	21	4320	98	103	43	1600	100	131	43	2033	98	
	Bipolaris/Drechslera-like													
	Cercospora - Like													
	Curvularia									1	100	7	<1	
	Epicoccum													
	Helicomyces*													
	Nigrospora													
	Peronospora													
	Myxomycetes/Periconia/Smuts/Rusts									2	100	13	1	
	Pithomyces													
	Spegazzinia													
	Stemphylium													
Tetraploa														
Torula														
Non-specified spore														
Total		147		4400	100%	104		1600	100%	138		2100	100%	
Background Debris		1				1				1				
Pollen Count														
Hyphal Fragments														
Analytical Sensitivity (Spores/m³)		6.7				6.7				6.7				

* *Heliocomyces* includes *Helicosporium*

Spores per m³ (final counts) reported to 2 significant figures

Spores of *Aspergillus*, *Penicillium*, and others are small with few distinguishing features and therefore can not be differentiated.

If % analyzed is <100%, spores per m³ is based on extrapolation and not actual count.

Information provided by customer includes customer sample ID, location, volume and area as well as date and time of sampling.



Built Environment Testing

MOLD SPORE TRAP REPORT

By: Nonviable Direct Microscopy

Client: Karl & Associates
20 Lauck Road
Mohnton, PA 19540

Lab Code: 794512-1R
Date Received: 10/14/26
Date Analyzed: 10/15/26 - 10/20/26
Date Reported: 10/20/26

Project: 26-0866, Montgomery BOE Orchard School

Method: CEI Method 110

		134				135				136			
Client ID													
Lab ID													
Location													
Volume													
IDENTIFICATION		Raw Counts	% Analyzed	Spores per m³	% of Total	Raw Counts	% Analyzed	Spores per m³	% of Total	Raw Counts	% Analyzed	Spores per m³	% of Total
Predominantly Outdoor	Alternaria												
	Arthrinium												
	Ascospores - Non-Specified	1	100	7	<1	2	100	13	1	1	100	7	<1
	Basidiospores - Non-Specified	136	14	6473	100	110	64	1147	98	106	46	1533	99
	Bipolaris/Drechslera-like												
	Cercospora - Like												
	Curvularia												
	Epicoccum												
	Helicomyces*												
	Nigrospora												
	Peronospora												
	Myxomycetes/Periconia/Smuts/Rusts												
	Pithomyces												
	Spegazzinia												
	Stemphylium												
	Tetraploa												
	Torula												
	Non-specified spore												
Total		140		6500	100%	113		1200	100%	109		1600	100%
Background Debris		1				2				1			
Pollen Count													
Hyphal Fragments													
Analytical Sensitivity (Spores/m³)		6.7				6.7				6.7			

* Heliocomyces includes Helicosporium

Spores per m³ (final counts) reported to 2 significant figures

Spores of Aspergillus, Penicillium, and others are small with few distinguishing features and therefore can not be differentiated.

If % analyzed is <100%, spores per m³ is based on extrapolation and not actual count.

Information provided by customer includes customer sample ID, location, volume and area as well as date and time of sampling.



By: Nonviable Direct Microscopy

Lab Code: 794512-1R
Date Received: 10/14/26
Date Analyzed: 10/15/26 - 10/20/26
Date Reported: 10/20/26

Project: 26-0866, Montgomery BOE Orchard School

Method: CEI Method 110

		Client ID	57-A				57-B				62			
		Lab ID	4917175				4917176				4917177			
		Location	Media Center - Front Desk				Media Center - Door A2				Room 62			
		Volume	150 L				150 L				150 L			
IDENTIFICATION		Raw Counts	% Analyzed	Spores per m³	% of Total	Raw Counts	% Analyzed	Spores per m³	% of Total	Raw Counts	% Analyzed	Spores per m³	% of Total	
Predominantly Outdoor	Alternaria													
	Arthrinium													
	Ascospores - Non-Specified	3	100	20	4									
	Basidiospores - Non-Specified	35	100	233	51	58	100	387	78	48	100	320	79	
	Bipolaris/Drechslera-like													
	Cercospora - Like													
	Curvularia													
	Epicoccum													
	Helicomyces*													
	Nigrospora													
	Peronospora													
	Myxomycetes/Periconia/Smuts/Rusts	2	100	13	3	2	100	13	3					
	Pithomyces													
	Spegazzinia													
	Stemphylium													
	Tetraploa													
Torula														
Non-specified spore														
Total		69		460	100%	74		490	100%	61		410	100%	
Background Debris		2				2				1				
Pollen Count														
Hyphal Fragments														
Analytical Sensitivity (Spores/m³)		6.7				6.7				6.7				

* *Heliocomyces* includes *Helicosporium*

Spores per m³ (final counts) reported to 2 significant figures

Spores of *Aspergillus*, *Penicillium*, and others are small with few distinguishing features and therefore can not be differentiated.

If % analyzed is <100%, spores per m³ is based on extrapolation and not actual count.

Information provided by customer includes customer sample ID, location, volume and area as well as date and time of sampling.

MOLD SPORE TRAP REPORT

By: Nonviable Direct Microscopy

Client: Karl & Associates
20 Lauck Road
Mohnton, PA 19540

Lab Code: 794512-1R
Date Received: 10/14/26
Date Analyzed: 10/15/26 - 10/20/26
Date Reported: 10/20/26

Project: 26-0866, Montgomery BOE Orchard School

Method: CEI Method 110

		63				64				Nurse			
Client ID													
Lab ID													
Location													
Volume													
IDENTIFICATION		Raw Counts	% Analyzed	Spores per m³	% of Total	Raw Counts	% Analyzed	Spores per m³	% of Total	Raw Counts	% Analyzed	Spores per m³	% of Total
Predominantly Outdoor	Alternaria												
	Arthrinium												
	Ascospores - Non-Specified												
	Basidiospores - Non-Specified	52	100	347	84	38	100	253	12	7	100	47	100
	Bipolaris/Drechslera-like												
	Cercospora - Like												
	Curvularia												
	Epicoccum					1	100	7	<1				
	Helicomyces*												
	Nigrospora												
	Peronospora												
	Myxomycetes/Periconia/Smuts/Rusts					18	100	120	6				
	Pithomyces												
	Spegazzinia					1	100	7	<1				
	Stemphylium												
	Tetraploa												
	Torula												
	Non-specified spore												
Total		62		410	100%	180		2100	100%	7		47	100%
Background Debris		2				2				1			
Pollen Count													
Hyphal Fragments													
Analytical Sensitivity (Spores/m³)		6.7				6.7				6.7			

* Helicomyces includes Helicosporium

Spores per m³ (final counts) reported to 2 significant figures

Spores of Aspergillus, Penicillium, and others are small with few distinguishing features and therefore can not be differentiated.

If % analyzed is <100%, spores per m³ is based on extrapolation and not actual count.

Information provided by customer includes customer sample ID, location, volume and area as well as date and time of sampling.



By: Nonviable Direct Microscopy

Lab Code: 794512-1R
Date Received: 10/14/26
Date Analyzed: 10/15/26 - 10/20/26
Date Reported: 10/20/26

Project: 26-0866, Montgomery BOE Orchard School

Method: CEI Method 110

		Client ID	58/59				60				OUT (from 794210-1)			
		Lab ID												
		Location												
		Volume												
IDENTIFICATION		Raw Counts	% Analyzed	Spores per m³	% of Total	Raw Counts	% Analyzed	Spores per m³	% of Total	Raw Counts	% Analyzed	Spores per m³	% of Total	
Predominantly Outdoor	Alternaria													
	Arthrinium													
	Ascospores - Non-Specified									90	100	600	2	
	Basidiospores - Non-Specified	40	100	267	57	106	46	1533	83	275	7	26193	95	
	Bipolaris/Drechslera-like													
	Cercospora - Like									2	100	13	<1	
	Curvularia									1	100	7	<1	
	Epicoccum									1	100	7	<1	
	Helicomyces*													
	Nigrospora									1	100	7	<1	
	Peronospora													
	Myxomycetes/Periconia/Smuts/Rusts					2	100	13	1	1	100	7	<1	
	Pithomyces													
	Spegazzinia													
	Stemphylium													
Tetraploa														
Torula					1	100	7	<1						
Non-specified spore										1	100	7	<1	
Total		70		470	100%	152		1800	100%	464		27000	100%	
Background Debris		2				2				1				
Pollen Count														
Hyphal Fragments														
Analytical Sensitivity (Spores/m³)		6.7				6.7				6.7				

Information provided by customer includes customer sample ID, location, volume and area as well as date and time of sampling.

SPORE CLASSIFICATION:

For purposes of this report, identified mold spores are classified into three general categories depending on environmental conditions the spore is most commonly associated with:

- 1) PREDOMINANTLY OUTDOOR:** Most commonly found growing outdoors and are not usually associated with indoor mold sources.
- 2) INDOOR / OUTDOOR:** Commonly grow in both indoor and outdoor environments.
- 3) WATER INDICATOR:** Most commonly associated with indoor mold growth in buildings with long-term water intrusion issues.

**PREDOMINANTLY
OUTDOOR**

**INDOOR /
OUTDOOR**

**WATER
INDICATOR**

SPORE CLASSIFICATION:

Background debris is the amount of non-fungal particulates present in the trace including dust, fibers, skin scales, dust mites, and insect parts. A debris rating is assigned each trace from 0 (lowest) to 5 (highest). A higher debris rating means samples are more difficult to analyze, and spores, especially smaller spores like *Aspergillus* / *Penicilium*, may be obscured. Counts with debris ratings of 4 or 5 should be regarded as minimal counts with actual counts assumed to be significantly higher. A further explanation of the debris rating is listed below:

- 0 - None Detected.** No debris observed.
- 1 - Trace.** Field of view obscured < 5 %.Counts unaffected.
- 2 - Light.** Field of view obscured 5 % to 25 %.Counts slightly affected.
- 3 - Moderate.** Field of view obscured 25 % to 75 % .Actual counts may be higher than reported counts.
- 4 - Heavy.** Field of view obscured 75 % to 90 % .Actual counts may be significantly higher than reported counts.
- 5 - Very Heavy.** Field of view obscured > 90 % .Actual counts may be significantly higher than reported counts. Resampling may be necessary.

DEFINITION OF TERMS:

Analytical Sensitivity: Spore per cubic meter (concentration) divided by raw count.

Limit of Detection: One Spore

Hyphal Fragments: Hyphal fragments are broken pieces of fungal hyphae and constitute the vegetative structure of the fungus.

Pollen Count: Pollen grains(Pollen) are the male reproductive structures of Angiosperm plants. These are counted only as pollen and not classified to Genus level.

Raw Counts: The number of spores counted by the analyst.

% Analyzed: The amount of the trace that was analyzed for each individual spore type.If large amounts of any spore type(s) exist, counts may be extrapolated.

% of Total: Percentage of the sample that is made up of each spore type.

INDOOR AND OUTDOOR COMPARISONS:

There are no current Federal standards regarding permissible levels of airborne fungi that may be present in buildings. Mold spores are ubiquitous to our planet and it is expected that some spores will be present in normal indoor environments.A general guideline that is widely accepted in the industrial hygiene industry is that the types and numbers of mold spores present in the indoor environment should be similar to those present in the outdoor environment.If inside spore counts are significantly higher than outside counts this may indicate a potential mold problem.The comparison of outdoor and indoor spore types and concentrations is a useful tool in assessing abnormal mold contamination; however, it should not be the sole determining factor in evaluating health risks and remediation strategies.

	SPORE NAME	COMMON HABITAT	ALLERGENIC POTENTIAL	MYCOTOXIN POTENTIAL
Predominantly Outdoor	Alternaria	Soil, seeds, plants, carpet, textiles, window frames, air	X	X
	Arthrinium	Soil, plant materials, decaying wood	X	
	Ascospores - Non-Specified	Plants, soil, cellulose-containing materials, air		
	Basidiospores - Non-Specified	Soil, plants, wood, cellulose-containing materials, air		
	Bipolaris/Drechslera - Like	Grasses, plant material, decaying food, soil		
	Cercospora - Like	Plants		
	Curvularia	Soil, plant materials, cellulose-containing materials	X	
	Epicoccum	Plants, soil, seeds, carpet, air	X	
	Helicomyces*	Plants		
	Nigrospora	Plants, soil		
	Peronospora	Plants		
	Myxomycetes/Periconia/Smuts /Rusts	Plants, air	X	
	Pithomyces	Soil, plant material, air		
	Spegazzinia	Soil, plants		
	Stemphylium	Dead plants, cellulose-containing materials		
	Tetraploa	Plants		
	Torula	Soil, plants		
	Non-specified spore	Various		
Indoor/ Outdoor	Aspergillus/Penicillium - Like	Soil, food, carpet, HVAC, air	X	X
	Cladosporium	Plants, woody plants, food, soil, paint, textiles, carpet, HVAC, air	X	
	Fusarium	Soil, plants, seed, fruits, grains		X
Water Indicator	Chaetomium	Cellulose-containing materials, soil, seeds, dung	X	X
	Stachybotrys	Paper, wallpaper, gypsum board	X	X
	Trichoderma - Like	Soil, decaying wood, plant material, cellulose-containing materials	X	X
	Ulocladium	Soil, grasses, wood, paper		

* Heliocomyces includes Helicosporium

METHOD: CEI Method 110

All samples received in acceptable condition. Information provided by customer includes customer sample ID, location and volume. Analytical results are not corrected for field and laboratory blanks.

Eurofins Built Environment Testing East, LLC bears no responsibility for client sampling methods and makes no warranty representation regarding the accuracy of client-supplied information in preparing and presenting analytical results. Eurofins Built Environment Testing East, LLC maintains liability limited to the cost of analysis, except for Eurofins Built Environment Testing East, LLC's own willful misconduct or gross negligence. Interpretation of the analytical results is the sole responsibility of the customer. Test results relate only to the items tested and cannot be extrapolated to anything larger than their original intent. This report may not be reproduced, except in full, without written approval by Eurofins Built Environment Testing East, LLC.

The overall intralaboratory relative standard deviation (Sr) for the lab = 0.2.

This report contains revisions from the previous version, as indicated by an ^R next to all modified fields.

Spore count range	10-100	101-350	>350
Intralaboratory Sr	0.25	0.2	0.1



Stephen Baker
Analyst



Eva Leslie
Analyst

DATA QA:



Andy Matelski
10/20/2026

APPROVED BY:



Kamila Reichert,
Laboratory Director

SUBMITTED BY	INVOICE TO	CONTACT INFORMATION	SERIES
Company: Karl & Associates	Company: Karl & Associates	Contact: Angela Meas	-1 Micro Standard
Address: 20 Lauck Road	Address: 20 Lauck Road	Phone: (610) 856-7700	
Mohnton, PA 19540	Mohnton, PA 19540	Fax:	
		Cell: (484) 345-9846	
Project Number and/or P.O. #: 26-0866	Project Zip Code:	Final Data Deliverable Email Address:	
Project Description/Location: Montgomery BOE Orchard School		ameas@karlenv.com (+ 8 ADDNL. CONTACTS)	

[illegible]

Eurofins Built Environment Testing East, LLC establishes a unique Lab Sample ID, for each sample, by preceding each unique Client Sample ID with the laboratory RES Job Number.

Eurolife Built Environment Testing East, LLC will analyze incoming samples based on information received and will not be responsible for errors or omissions in calculations resulting from the inaccuracy of original data. By signing, client/company representative agrees that submission of the following samples for requested analysis as indicated on this Chain of Custody shall constitute an analytical services agreement with payment terms of NET30. Failure to comply with payment terms may result in a 18% APR finance charge.

Indicated on this Chain of Custody shall constitute an analytical services agreement with payment terms of NET 150. Failure to comply with payment terms may result in a 10% AP-R finance charge.			
Relinquished By:		Date/Time: 10/14/2026 8:51:29	Sample Condition: Acceptable
Received By:	 Olivia Zlotnicki	Date/Time: 10/14/2026 8:51:29	Carrier: Fed-Ex

Submitted By: **Karl & Associates**

(919) 481-1413 730 SE Maynard Rd, Cary, NC 27511 <https://www.eurofinus.com/builtenv>
Page 2 of 1



RES Job #: 794512

Submitted By: Karl & Associates



Built Environment Testing

RES Job #: 794512

Submitted By: Karl & Associates

Client Sample ID Number <small>(Sample ID's must be unique)</small>	REQUESTED ANALYSIS										VALID MATRIX CODES							LAB NOTES	
	<div> <div>PLM</div> <div>TEM</div> <div>PCM</div> <div>NYS</div> <div>DUST</div> <div>METALS</div> <div>ORGANICS</div> <div>VIABLES</div> <div>MEDICAL</div> <div>MOLD - Spore Trap Analysis (ASTM D7391-20)</div> </div>	ASBESTOS	CHEMISTRY	MICROBIOLOGY	ICO	Air = A	Bulk = B	Dust = D	Food = F	Paint = P	Soil = S	Surface = SU	Swab = SW	Tape = T	Wipe = W	Drinking Water = DW	Waste Water = WW	**ASTM E1792 approved wipe media only**	<div>Laboratory Analysis Instructions</div>
						Sample Volume (L) / Area	Sample Temperature (°C)	Length(or Aliquots) x Width(or Area/Aliquot)	Matrix Code	# of Containers	Date Collected mm/dd/yy	Time Collected hh:mm							
44 57-B																			
45 62																			
46 63																			
47 64																			
48 Nurse																			
49 58/59																			
50 60																			

**Karl & Associates
Sample Locations**

RES #: 794512
Project Number and/or P.O. #: 26-0866
Project Description/Location: Montgomery BOE Orchard School

Client Sample ID	Sample Location
101	Room 101
102	Room 102
103	Room 103
104	Room 104
105	Room 105
106	Room 106
107	Room 107
108	Room 108
WGYM R	Gym - Right
WGYM L	Gym - Left
7	Room 7
8	Room 8
9	Room 9
110	Room 110
111	Room 111
112	Room 112
113	Room 113
114	Room 114
115	Room 115
116	Room 116
117	Room 117
118	Room 118
119	Room 119
120	Room 120
121	Room 121
122	Room 122

**Karl & Associates
Sample Locations**

RES #: 794512
Project Number and/or P.O. #: 26-0866
Project Description/Location: Montgomery BOE Orchard School

123	Room 123
13	Room 13 - Faculty Work Room
124	Room 124
125	Room 125
15	Room 15
126	Room 126
127	Room 127
128	Room 128
129	Room 129
130	Room 130
131	Room 131
132	Room 132
133	Room 133
134	Room 134
135	Room 135
136	Room 136
57-A	Media Center - Front Desk
57-B	Media Center - Door A2
62	Room 62
63	Room 63
64	Room 64
Nurse	Nurse Office
58/59	Room 58/59
60	Room 60

Phone: (610) 856-7700

Fax: (610) 856-5040

KARL ENVIRONMENTAL GROUP
Chain of Custody—Mold Spore Analysis

794512

50

20 Lauck Road
Mohnton, PA 19540

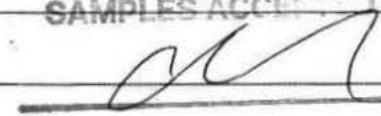
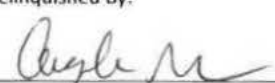
Karl/K&A Job #:	26-0866	Project Location:	Orchard School
Date of Sample:	10/12/26	Project Manager:	Angela Meas
Project Client:	Montgomery BOE	Email:	ameas@karlenu.com

Turn-Around Time

☐ 4 Hour
 ☐ 8 Hour
 ☐ 24 Hour
 ☐ 48 Hour
 ☒ 3-5 Days
 ☐ 7-14 Days
 ☐ Other _____

SAMPLE IDENTIFICATION NUMBER	DATE	Sample Location / Description	Sample Volume	Analysis	Air	Tape Lift	Swab
101	10/12/26	Room 101	150 L	mold spore	X		
102		Room 102	150 L	mold spore	X		
103		Room 103	150 L	mold spore	X		
104		Room 104	150 L	mold spore	X		
105		Room 105	150 L	mold spore	X		
106		Room 106	150 L	mold spore	X		
107		Room 107	150 L	mold spore	X		
108		Room 108	150 L	mold spore	X		
WG4M R		Gym - Right	150 L	mold spore	X		
WG4M L		Gym - Left	150 L	mold spore	X		
7		Room 7	150 L	mold spore	X		
8		Room 8	150 L	mold spore	X		
9		Room 9	150 L	mold spore	X		
110		Room 110	150 L	mold spore	X		

Lab: Eurofins CEI

Relinquished By:	Date/Time:	Notes:	EUROFINS CEI, INC SAMPLES ACCEPTED 
Received by:	Date/Time:		
 10-13-26 10:29 am	10/12/26	Page 1	

Phone: (610) 856- 7700

Fax: (610) 856-5040

KARL ENVIRONMENTAL GROUP
Chain of Custody—Mold Spore Analysis

20 Lauck Road
Mohnton, PA 19540

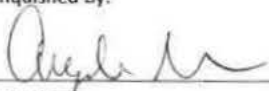
Karl/K&A Job # :	26-0866	Project Location :	Orchard School
Date of Sample :	10/12/26	Project Manager :	Angela Meas
Project Client :	Montgomery BOE	Email :	ameas@karlenu.com

Turn-Around Time

☐ 4 Hour
 ☐ 8 Hour
 ☐ 24 Hour
 ☒ 48 Hour
 ☒ 3-5 Days
 ☐ 7-14 Days
 ☐ Other _____

SAMPLE IDENTIFICATION NUMBER	DATE	Sample Location / Description	Sample Volume	Analysis	Air	Tape Lift	Swab
111	10/12/26	Room 111	150 L	mold spore	X		
112		Room 112	150 L	mold spore	X		
113		Room 113	150 L	mold spore	X		
114		Room 114	150 L	mold spore	X		
115		Room 115	150 L	mold spore	X		
116		Room 116	150 L	mold spore	X		
117		Room 117	150 L	mold spore	X		
118		Room 118	150 L	mold spore	X		
119		Room 119	150 L	mold spore	X		
120		Room 120	150 L	mold spore	X		
121		Room 121	150 L	mold spore	X		
122		Room 122	150 L	mold spore	X		
123		Room 123	150 L	mold spore	X		
13		Room 13 - Faculty work Room	150 L	mold spore	X		

Lab: Eurofins CEI

Relinquished By:	Date/Time:	Notes:
	10/12/26	Page 2
Received by:	Date/Time:	

Phone: (610) 856-7700

Fax: (610) 856-5040

KARL ENVIRONMENTAL GROUP

Chain of Custody—Mold Spore Analysis

20 Lauck Road

Mohnton, PA 19540

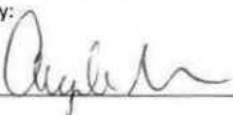
Karl/K&A Job # :	26-0866	Project Location :	Orchard School
Date of Sample :	10/12/26	Project Manager :	Angela Meas
Project Client :	Montgomery BOE	Email :	ameas@karlenv.com

Turn-Around Time

☐ 4 Hour
 ☐ 8 Hour
 ☐ 24 Hour
 ☐ 48 Hour
 ☒ 3-5 Days
 ☐ 7-14 Days
 ☐ Other _____

SAMPLE IDENTIFICATION NUMBER	DATE	Sample Location / Description	Sample Volume	Analysis	Air	Tape Lift	Swab
124	10/12/26	Room 124	150L	mold spore	X		
125		Room 125	150L	mold spore	X		
15		Room 15	150L	mold spore	X		
126		Room 126	150L	mold spore	X		
127		Room 127	150L	mold spore	X		
128		Room 128	150L	mold spore	X		
129		Room 129	150L	mold spore	X		
130		Room 130	150L	mold spore	X		
131		Room 131	150L	mold spore	X		
132		Room 132	150L	mold spore	X		
133		Room 133	150L	mold spore	X		
134		Room 134	150L	mold spore	X		
135		Room 135	150L	mold spore	X		
136		Room 136	150L	mold spore	X		

Lab: Eurochems CEI

Relinquished By:	Date/Time:	Notes:
	10/12/26	Page 3
Received by:	Date/Time:	

Phone: (610) 856- 7700

Fax: (610) 856-5040

KARL ENVIRONMENTAL GROUP

Chain of Custody—Mold Spore Analysis

20 Lauck Road

Mohnton, PA 19540

Karl/K&A Job # :	26-0866	Project Location :	Orchard School
Date of Sample :	10/12/26	Project Manager :	Angela Meas
Project Client :	Montgomery BOE	Email :	ameas@karlenu.com

Turn-Around Time

☐ 4 Hour
 ☐ 8 Hour
 ☐ 24 Hour
 ☐ 48 Hour
 ☒ 3-5 Days
 ☐ 7-14 Days
 ☐ Other _____

SAMPLE IDENTIFICATION NUMBER	DATE	Sample Location / Description	Sample Volume	Analysis	Air	Tape Lift	Swab
57-A	10/12/26	Media Center - Front Desk	150L	mold spore	X		
57-B		Media Center - Door A2	150L	mold spore	X		
62		Room 62	150L	mold spore	X		
63		Room 63	150L	mold spore	X		
64		Room 64	150L	mold spore	X		
Nurse		Nurse Office	150L	mold spore	X		
58/59		Rooms 58/59	150L	mold spore	X		
60		Room 60	150L	mold spore	X		

Lab: Eurofins CEI

Relinquished By:	Date/Time:	Notes:
Angela Meas	10/12/26	Page 4
Received by:	Date/Time:	

October 27, 2026

Angela Meas
Karl & Associates
20 Lauck Road
Mohnton, PA 19540

CLIENT PROJECT: 26-0866, Montgomery BOE Orchard Hill School
LAB CODE: 796273-1

Dear Angela,

Enclosed are mold analysis results for air samples received at our laboratory on 10/20/26. The samples were analyzed for mold spores using nonviable direct microscopy.

Thank you for your business and we look forward to continuing good relations.

Kind Regards,



Kamila Reichert,
Laboratory Director

AIHA LAP 103025

MOLD SPORE TRAP REPORT
By: Nonviable Direct Microscopy

Prepared for

Karl & Associates

CLIENT PROJECT: 26-0866, Montgomery BOE Orchard Hill School

LAB CODE: 796273-1

TEST METHOD: CEI Method 110

REPORT DATE: 10/27/26



Lab Code: 796273-1
Date Received: 10/20/26
Date Analyzed: 10/23/26 - 10/27/26
Date Reported: 10/27/26

Method: CEI Method 110

* *Heliocomyces* includes *Helicosporium*
Spores per m³ (final counts) reported to 2 significant figures
Spores of *Aspergillus*, *Penicillium*, and others are small with few distinguishing features and therefore can not be differentiated.
If % analyzed is <100%, spores per m³ is based on extrapolation and not actual count.
Information provided by customer includes customer sample ID, location, volume and area as well as date and time of sampling.



Lab Code: 796273-1
Date Received: 10/20/26
Date Analyzed: 10/23/26 - 10/27/26
Date Reported: 10/27/26

Method: CEI Method 110

* *Heliocomyces* includes *Helicosporium*
Spores per m³ (final counts) reported to 2 significant figures
Spores of *Aspergillus*, *Penicillium*, and others are small with few distinguishing features and therefore can not be differentiated.
If % analyzed is <100%, spores per m³ is based on extrapolation and not actual count.
Information provided by customer includes customer sample ID, location, volume and area as well as date and time of sampling.



By: Nonviable Direct Microscopy

Lab Code: 796273-1
Date Received: 10/20/26
Date Analyzed: 10/23/26 - 10/27/26
Date Reported: 10/27/26

Project: 26-0866, Montgomery BOE Orchard Hill School

Method: CEI Method 110

		Client ID	ECC 7				ECC 8				ECC TP			
		Lab ID	4936378				4936379				4936380			
		Location	ECC Room 7				ECC Room 8				ECC Teacher Prep			
		Volume	150 L				150 L				150 L			
IDENTIFICATION		Raw Counts	% Analyzed	Spores per m³	% of Total	Raw Counts	% Analyzed	Spores per m³	% of Total	Raw Counts	% Analyzed	Spores per m³	% of Total	
Predominantly Outdoor	Alternaria													
	Arthrinium													
	Ascospores - Non-Specified	4	100	27	2	3	100	20	1	3	100	20	2	
	Basidiospores - Non-Specified	114	75	1013	89	121	100	807	52	110	86	853	86	
	Bipolaris/Drechslera-like					1	100	7	<1					
	Cercospora - Like													
	Curvularia													
	Epicoccum													
	Helicomyces*													
	Nigrospora					1	100	7	<1					
	Peronospora													
	Myxomycetes/Periconia/Smuts/Rusts					52	100	347	23	3	100	20	2	
	Pithomyces					3	100	20	1					
	Spegazzinia													
	Stemphylium													
Tetraploa														
Torula					2	100	13	1						
Non-specified spore														
Total		132		1100	100%	231		1500	100%	130		990	100%	
Background Debris		1				3				2				
Pollen Count														
Hyphal Fragments														
Analytical Sensitivity (Spores/m³)		6.7				6.7				6.7				

* *Heliocomyces* includes *Helicosporium*

Spores per m³ (final counts) reported to 2 significant figures

Spores of *Aspergillus*, *Penicillium*, and others are small with few distinguishing features and therefore can not be differentiated.

If % analyzed is <100%, spores per m³ is based on extrapolation and not actual count.

Information provided by customer includes customer sample ID, location, volume and area as well as date and time of sampling.



By: Nonviable Direct Microscopy

Lab Code: 796273-1
Date Received: 10/20/26
Date Analyzed: 10/23/26 - 10/27/26
Date Reported: 10/27/26

Method: CEI Method 110

		Client ID	ECC O				ECC CHILL				137			
		Lab ID	4936381				4936382				4936383			
		Location	ECC Offices				ECC Chill Room				Room 137 - Tech Room			
		Volume	150 L				150 L				150 L			
IDENTIFICATION		Raw Counts	% Analyzed	Spores per m³	% of Total	Raw Counts	% Analyzed	Spores per m³	% of Total	Raw Counts	% Analyzed	Spores per m³	% of Total	
Predominantly Outdoor	Alternaria													
	Arthrinium					1	100	7	<1					
	Ascospores - Non-Specified	6	100	40	2	1	100	7	<1					
	Basidiospores - Non-Specified	112	36	2073	95	122	43	1893	93	18	100	120	17	
	Bipolaris/Drechslera-like													
	Cercospora - Like													
	Curvularia													
	Epicoccum													
	Helicomyces*													
	Nigrospora													
	Peronospora													
	Myxomycetes/Periconia/Smuts/Rusts	2	100	13	1	12	100	80	4	7	100	47	7	
	Pithomyces													
	Spegazzinia													
	Stemphylium													
	Tetraploa													
Torula														
Non-specified spore														
Total		130		2200	100%	143		2000	100%	107		710	100%	
Background Debris		2				3				3				
Pollen Count														
Hyphal Fragments														
Analytical Sensitivity (Spores/m³)		6.7				6.7				6.7				

Information provided by customer includes customer sample ID, location, volume and area as well as date and time of sampling.



By: Nonviable Direct Microscopy

Lab Code: 796273-1
Date Received: 10/20/26
Date Analyzed: 10/23/26 - 10/27/26
Date Reported: 10/27/26

Project: 26-0866, Montgomery BOE Orchard Hill School

Method: CEI Method 110

		Client ID	146				160				MO			
		Lab ID												
		Location												
		Volume												
IDENTIFICATION		Raw Counts	% Analyzed	Spores per m³	% of Total	Raw Counts	% Analyzed	Spores per m³	% of Total	Raw Counts	% Analyzed	Spores per m³	% of Total	
Predominantly Outdoor	Alternaria									1	100	7	1	
	Arthrinium													
	Ascospores - Non-Specified	1	100	7	2					7	100	47	7	
	Basidiospores - Non-Specified	42	100	280	74	113	57	1320	86	52	100	347	55	
	Bipolaris/Drechslera-like													
	Cercospora - Like													
	Curvularia													
	Epicoccum													
	Helicomyces*													
	Nigrospora													
	Peronospora													
	Myxomycetes/Periconia/Smuts/Rusts	4	100	27	7	3	100	20	1	17	100	113	18	
	Pithomyces					1	100	7	<1					
	Spegazzinia													
	Stemphylium													
Tetraploa														
Torula														
Non-specified spore														
Total		57		380	100%	145		1500	100%	95		630	100%	
Background Debris		2				2				3				
Pollen Count														
Hyphal Fragments										1				
Analytical Sensitivity (Spores/m³)		6.7				6.7				6.7				

* *Heliocomyces* includes *Helicosporium*

Spores per m³ (final counts) reported to 2 significant figures

Spores of *Aspergillus*, *Penicillium*, and others are small with few distinguishing features and therefore can not be differentiated.

If % analyzed is <100%, spores per m³ is based on extrapolation and not actual count.

Information provided by customer includes customer sample ID, location, volume and area as well as date and time of sampling.



By: Nonviable Direct Microscopy

Lab Code: 796273-1
Date Received: 10/20/26
Date Analyzed: 10/23/26 - 10/27/26
Date Reported: 10/27/26

Project: 26-0866, Montgomery BOE Orchard Hill School

Method: CEI Method 110

		Client ID	153				79				161			
		Lab ID												
		Location												
		Volume												
IDENTIFICATION		Raw Counts	% Analyzed	Spores per m³	% of Total	Raw Counts	% Analyzed	Spores per m³	% of Total	Raw Counts	% Analyzed	Spores per m³	% of Total	
Predominantly Outdoor	Alternaria													
	Arthrinium													
	Ascospores - Non-Specified									1	100	7	2	
	Basidiospores - Non-Specified	41	100	273	58	30	100	200	83	51	100	340	77	
	Bipolaris/Drechslera-like													
	Cercospora - Like													
	Curvularia													
	Epicoccum													
	Helicomyces*													
	Nigrospora													
	Peronospora													
	Myxomycetes/Periconia/Smuts/Rusts	15	100	100	21	2	100	13	6	2	100	13	3	
	Pithomyces													
	Spegazzinia													
	Stemphylium													
Tetraploa														
Torula														
Non-specified spore	1	100	7	1										
Total		71		470	100%	36		240	100%	66		440	100%	
Background Debris		3				1				1				
Pollen Count														
Hyphal Fragments														
Analytical Sensitivity (Spores/m³)		6.7				6.7				6.7				

* *Heliocomyces* includes *Helicosporium*

Spores per m³ (final counts) reported to 2 significant figures

Spores of *Aspergillus*, *Penicillium*, and others are small with few distinguishing features and therefore can not be differentiated.

If % analyzed is <100%, spores per m³ is based on extrapolation and not actual count.

Information provided by customer includes customer sample ID, location, volume and area as well as date and time of sampling.



By: Nonviable Direct Microscopy

Lab Code: 796273-1
Date Received: 10/20/26
Date Analyzed: 10/23/26 - 10/27/26
Date Reported: 10/27/26

Method: CEI Method 110

		Client ID Lab ID Location Volume	155				157				156			
IDENTIFICATION		Raw Counts	% Analyzed	Spores per m³	% of Total	Raw Counts	% Analyzed	Spores per m³	% of Total	Raw Counts	% Analyzed	Spores per m³	% of Total	
Predominantly Outdoor	Alternaria	1	100	7	1									
	Arthrinium													
	Ascospores - Non-Specified					1	100	7	2	1	100	7	1	
	Basidiospores - Non-Specified	55	100	367	79	52	100	347	81	89	100	593	74	
	Bipolaris/Drechslera-like	1	100	7	1	3	100	20	5					
	Cercospora - Like													
	Curvularia													
	Epicoccum	2	100	13	3									
	Helicomyces*													
	Nigrospora													
	Peronospora													
	Myxomycetes/Periconia/Smuts/Rusts	3	100	20	4	6	100	40	9	16	100	107	13	
	Pithomyces	1	100	7	1					3	100	20	2	
	Spegazzinia													
	Stemphylium													
	Tetraploa													
Torula														
Non-specified spore														
Total		70		470	100%	64		430	100%	121		810	100%	
Background Debris		2				2				3				
Pollen Count														
Hyphal Fragments						1								
Analytical Sensitivity (Spores/m³)		6.7				6.7				6.7				

Information provided by customer includes customer sample ID, location, volume and area as well as date and time of sampling.



By: Nonviable Direct Microscopy

Lab Code: 796273-1
Date Received: 10/20/26
Date Analyzed: 10/23/26 - 10/27/26
Date Reported: 10/27/26

Method: CEI Method 110

		Client ID	151				152				154			
		Lab ID												
		Location												
		Volume												
IDENTIFICATION		Raw Counts	% Analyzed	Spores per m³	% of Total	Raw Counts	% Analyzed	Spores per m³	% of Total	Raw Counts	% Analyzed	Spores per m³	% of Total	
Predominantly Outdoor	Alternaria													
	Arthrinium													
	Ascospores - Non-Specified	6	100	40	7	5	100	33	6	4	100	27	4	
	Basidiospores - Non-Specified	84	100	560	92	76	100	507	85	92	100	613	84	
	Bipolaris/Drechslera-like													
	Cercospora - Like													
	Curvularia													
	Epicoccum													
	Helicomyces*													
	Nigrospora													
	Peronospora													
	Myxomycetes/Periconia/Smuts/Rusts									3	100	20	3	
	Pithomyces					1	100	7	1					
	Spegazzinia													
	Stemphylium													
Tetraploa														
Torula														
Non-specified spore														
Total		91		610	100%	89		590	100%	109		730	100%	
Background Debris		2				1				2				
Pollen Count														
Hyphal Fragments														
Analytical Sensitivity (Spores/m³)		6.7				6.7				6.7				

* *Heliocomyces* includes *Helicosporium*

Spores per m³ (final counts) reported to 2 significant figures

Spores of *Aspergillus*, *Penicillium*, and others are small with few distinguishing features and therefore can not be differentiated.

If % analyzed is <100%, spores per m³ is based on extrapolation and not actual count.

Information provided by customer includes customer sample ID, location, volume and area as well as date and time of sampling.



By: Nonviable Direct Microscopy

Lab Code: 796273-1
Date Received: 10/20/26
Date Analyzed: 10/23/26 - 10/27/26
Date Reported: 10/27/26

Method: CEI Method 110

		Client ID	158				EGYM				162			
		Lab ID												
		Location												
		Volume												
IDENTIFICATION		Raw Counts	% Analyzed	Spores per m³	% of Total	Raw Counts	% Analyzed	Spores per m³	% of Total	Raw Counts	% Analyzed	Spores per m³	% of Total	
Predominantly Outdoor	Alternaria													
	Arthrinium													
	Ascospores - Non-Specified	1	100	7	<1	1	100	7	<1					
	Basidiospores - Non-Specified	116	39	1980	86	113	43	1753	87	108	39	1847	96	
	Bipolaris/Drechslera-like					3	100	20	1					
	Cercospora - Like													
	Curvularia									2	100	13	1	
	Epicoccum													
	Helicomyces*													
	Nigrospora													
	Peronospora													
	Myxomycetes/Periconia/Smuts/Rusts	23	100	153	7	16	100	107	5	5	100	33	2	
	Pithomyces	1	100	7	<1									
	Spegazzinia													
	Stemphylium													
Tetraploa														
Torula														
Non-specified spore														
Total		164		2300	100%	153		2000	100%	121		1900	100%	
Background Debris		3				3				2				
Pollen Count														
Hyphal Fragments														
Analytical Sensitivity (Spores/m³)		6.7				6.7				6.7				

Information provided by customer includes customer sample ID, location, volume and area as well as date and time of sampling.



Lab Code: 796273-1
Date Received: 10/20/26
Date Analyzed: 10/23/26 - 10/27/26
Date Reported: 10/27/26

Method: CEI Method 110

* Heliocomyces includes Helicosporium
Spores per m³ (final counts) reported to 2 significant figures
Spores of Aspergillus, Penicillium, and others are small with few distinguishing features and therefore can not be differentiated.
If % analyzed is <100%, spores per m³ is based on extrapolation and not actual count.
Information provided by customer includes customer sample ID, location, volume and area as well as date and time of sampling.

MOLD SPORE TRAP REPORT

By: Nonviable Direct Microscopy

Client: Karl & Associates
20 Lauck Road
Mohnton, PA 19540

Lab Code: 796273-1
Date Received: 10/20/26
Date Analyzed: 10/23/26 - 10/27/26
Date Reported: 10/27/26

Project: 26-0866, Montgomery BOE Orchard Hill School

Method: CEI Method 110

		149				147				145			
Client ID													
Lab ID													
Location													
Volume													
IDENTIFICATION		Raw Counts	% Analyzed	Spores per m³	% of Total	Raw Counts	% Analyzed	Spores per m³	% of Total	Raw Counts	% Analyzed	Spores per m³	% of Total
Predominantly Outdoor	Alternaria												
	Arthrinium												
	Ascospores - Non-Specified	3	100	20	1	23	100	153	3	6	100	40	3
	Basidiospores - Non-Specified	110	54	1360	88	120	18	4447	94	113	64	1180	95
	Bipolaris/Drechslera-like												
	Cercospora - Like												
	Curvularia												
	Epicoecum												
	Helicomyces*												
	Nigrospora	1	100	7	<1								
	Peronospora												
	Myxomycetes/Periconia/Smuts/Rusts	2	100	13	1	1	100	7	<1				
	Pithomyces												
	Spegazzinia												
	Stemphylium												
	Tetraploa												
	Torula												
	Non-specified spore												
Total		137		1500	100%	162		4700	100%	123		1200	100%
Background Debris		2				2				1			
Pollen Count													
Hyphal Fragments													
Analytical Sensitivity (Spores/m³)		6.7				6.7				6.7			

* Helicomyces includes Helicosporium

Spores per m³ (final counts) reported to 2 significant figures

Spores of Aspergillus, Penicillium, and others are small with few distinguishing features and therefore can not be differentiated.

If % analyzed is <100%, spores per m³ is based on extrapolation and not actual count.

Information provided by customer includes customer sample ID, location, volume and area as well as date and time of sampling.



By: Nonviable Direct Microscopy

Lab Code: 796273-1
Date Received: 10/20/26
Date Analyzed: 10/23/26 - 10/27/26
Date Reported: 10/27/26

Method: CEI Method 110

		Client ID	140				142				144			
		Lab ID												
		Location												
		Volume												
IDENTIFICATION		Raw Counts	% Analyzed	Spores per m³	% of Total	Raw Counts	% Analyzed	Spores per m³	% of Total	Raw Counts	% Analyzed	Spores per m³	% of Total	
Predominantly Outdoor	Alternaria													
	Arthrinium													
	Ascospores - Non-Specified	4	100	27	1	5	100	33	1	4	100	27	4	
	Basidiospores - Non-Specified	115	43	1780	88	112	21	3553	96	81	100	540	84	
	Bipolaris/Drechslera-like													
	Cercospora - Like													
	Curvularia	1	100	7	<1									
	Epicoccum													
	Helicomyces*													
	Nigrospora													
	Peronospora													
	Myxomycetes/Periconia/Smuts/Rusts	18	100	120	6	2	100	13	<1	1	100	7	1	
	Pithomyces													
	Spegazzinia													
	Stemphylium													
Tetraploa														
Torula														
Non-specified spore														
Total		153		2000	100%	136		3700	100%	96		640	100%	
Background Debris		3				2				2				
Pollen Count														
Hyphal Fragments														
Analytical Sensitivity (Spores/m³)		6.7				6.7				6.7				

Information provided by customer includes customer sample ID, location, volume and area as well as date and time of sampling.



By: Nonviable Direct Microscopy

Lab Code: 796273-1
Date Received: 10/20/26
Date Analyzed: 10/23/26 - 10/27/26
Date Reported: 10/27/26

Method: CEI Method 110

		Client ID	141				139				138			
		Lab ID												
		Location												
		Volume												
IDENTIFICATION		Raw Counts	% Analyzed	Spores per m³	% of Total	Raw Counts	% Analyzed	Spores per m³	% of Total	Raw Counts	% Analyzed	Spores per m³	% of Total	
Predominantly Outdoor	Alternaria													
	Arthrinium													
	Ascospores - Non-Specified					2	100	13	2	2	100	13	1	
	Basidiospores - Non-Specified	74	100	493	86	62	100	413	65	131	46	1900	88	
	Bipolaris/Drechslera-like													
	Cercospora - Like													
	Curvularia													
	Epicoccum													
	Helicomyces*													
	Nigrospora													
	Peronospora													
	Myxomycetes/Periconia/Smuts/Rusts	2	100	13	2	16	100	107	17	13	100	87	4	
	Pithomyces									1	100	7	<1	
	Spegazzinia													
	Stemphylium													
Tetraploa														
Torula														
Non-specified spore														
Total		86		570	100%	95		630	100%	169		2200	100%	
Background Debris		2				2				2				
Pollen Count														
Hyphal Fragments														
Analytical Sensitivity (Spores/m³)		6.7				6.7				6.7				

Information provided by customer includes customer sample ID, location, volume and area as well as date and time of sampling.



By: Nonviable Direct Microscopy

Lab Code: 796273-1
Date Received: 10/20/26
Date Analyzed: 10/23/26 - 10/27/26
Date Reported: 10/27/26

Project: 26-0866, Montgomery BOE Orchard Hill School

Method: CEI Method 110

		Client ID	OUT				143			
		Lab ID								
		Location								
		Volume								
IDENTIFICATION		Raw Counts	% Analyzed	Spores per m³	% of Total	Raw Counts	% Analyzed	Spores per m³	% of Total	
Predominantly Outdoor	Alternaria	1	100	7	<1					
	Arthrinium									
	Ascospores - Non-Specified	112	32	2333	7	2	100	13	<1	
	Basidiospores - Non-Specified	188	4	31333	92	126	32	2627	93	
	Bipolaris/Drechslera-like	1	100	7	<1					
	Cercospora - Like									
	Curvularia									
	Epicoccum	1	100	7	<1					
	Helicomyces*									
	Nigrospora									
	Peronospora									
	Myxomycetes/Periconia/Smuts/Rusts	6	100	40	<1	2	100	13	<1	
	Pithomyces									
	Spegazzinia									
	Stemphylium									
Tetraploa										
Torula										
Non-specified spore										
Total		380		34000	100%	155		2800	100%	
Background Debris		3				2				
Pollen Count										
Hyphal Fragments										
Analytical Sensitivity (Spores/m³)		6.7				6.7				

* *Heliocomyces* includes *Helicosporium*

Spores per m³ (final counts) reported to 2 significant figures

Spores of *Aspergillus*, *Penicillium*, and others are small with few distinguishing features and therefore can not be differentiated.

If % analyzed is <100%, spores per m³ is based on extrapolation and not actual count.

Information provided by customer includes customer sample ID, location, volume and area as well as date and time of sampling.



Built Environment Testing

MOLD SPORE TRAP REPORT

By: Nonviable Direct Microscopy

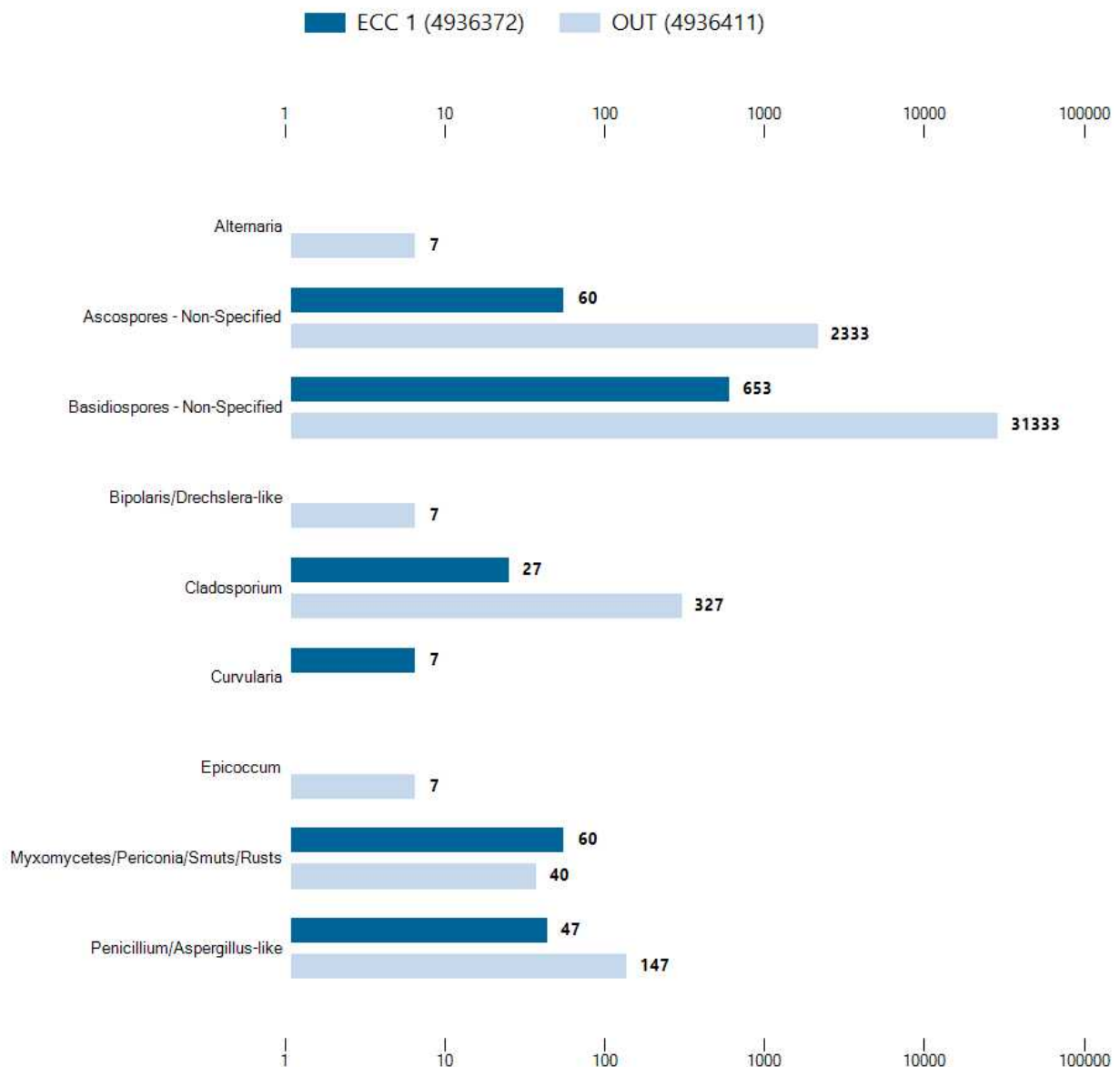
Client: Karl & Associates
20 Lauck Road
Mohnton, PA 19540

Lab Code: 796273-1
Date Received: 10/20/26
Date Analyzed: 10/23/26 - 10/27/26
Date Reported: 10/27/26

Project: 26-0866, Montgomery BOE Orchard Hill School

Method: CEI Method 110

Calculated spores per cubic meter





Built Environment Testing

MOLD SPORE TRAP REPORT

By: Nonviable Direct Microscopy

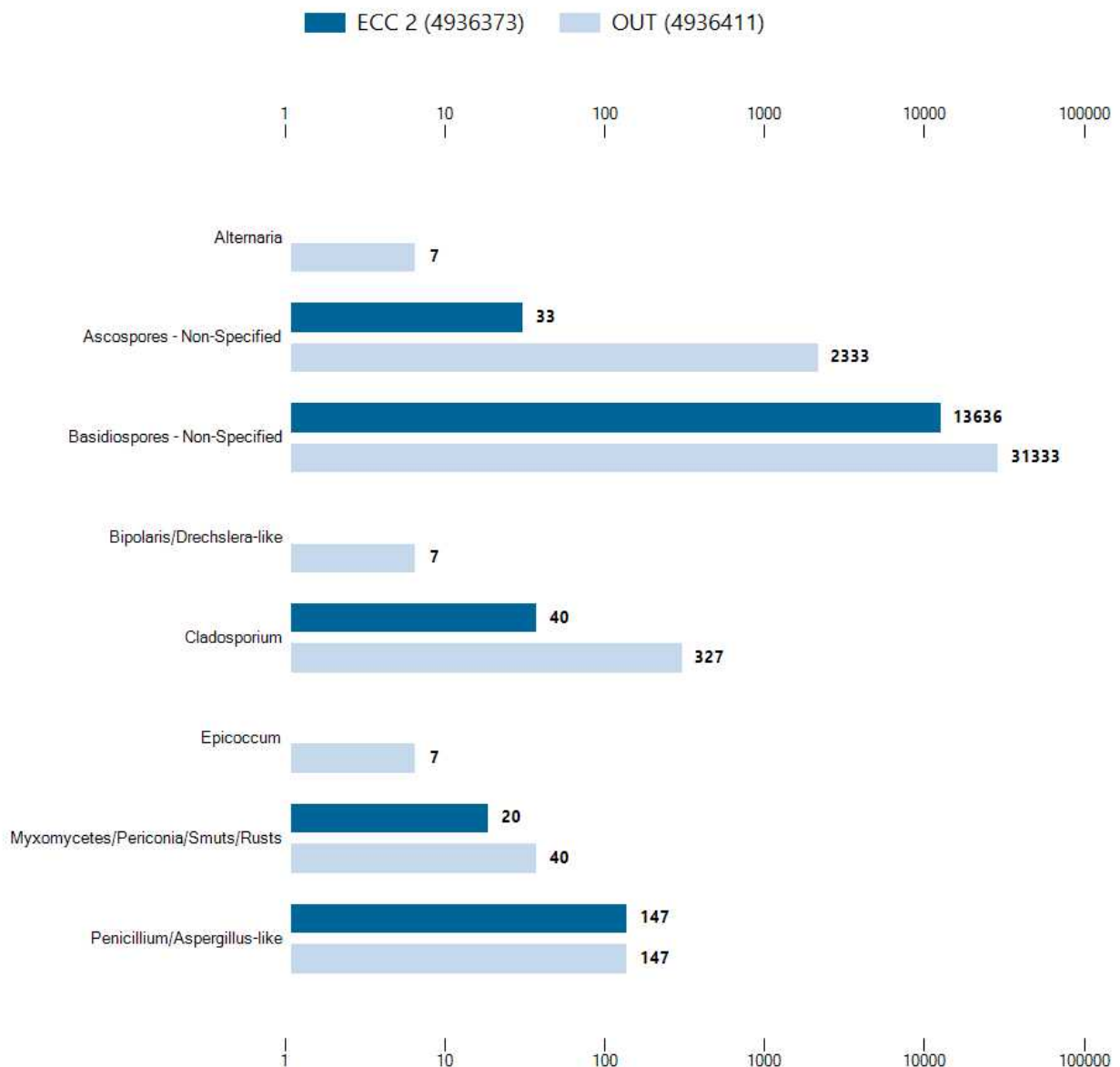
Client: Karl & Associates
20 Lauck Road
Mohnton, PA 19540

Lab Code: 796273-1
Date Received: 10/20/26
Date Analyzed: 10/23/26 - 10/27/26
Date Reported: 10/27/26

Project: 26-0866, Montgomery BOE Orchard Hill School

Method: CEI Method 110

Calculated spores per cubic meter





Built Environment Testing

MOLD SPORE TRAP REPORT

By: Nonviable Direct Microscopy

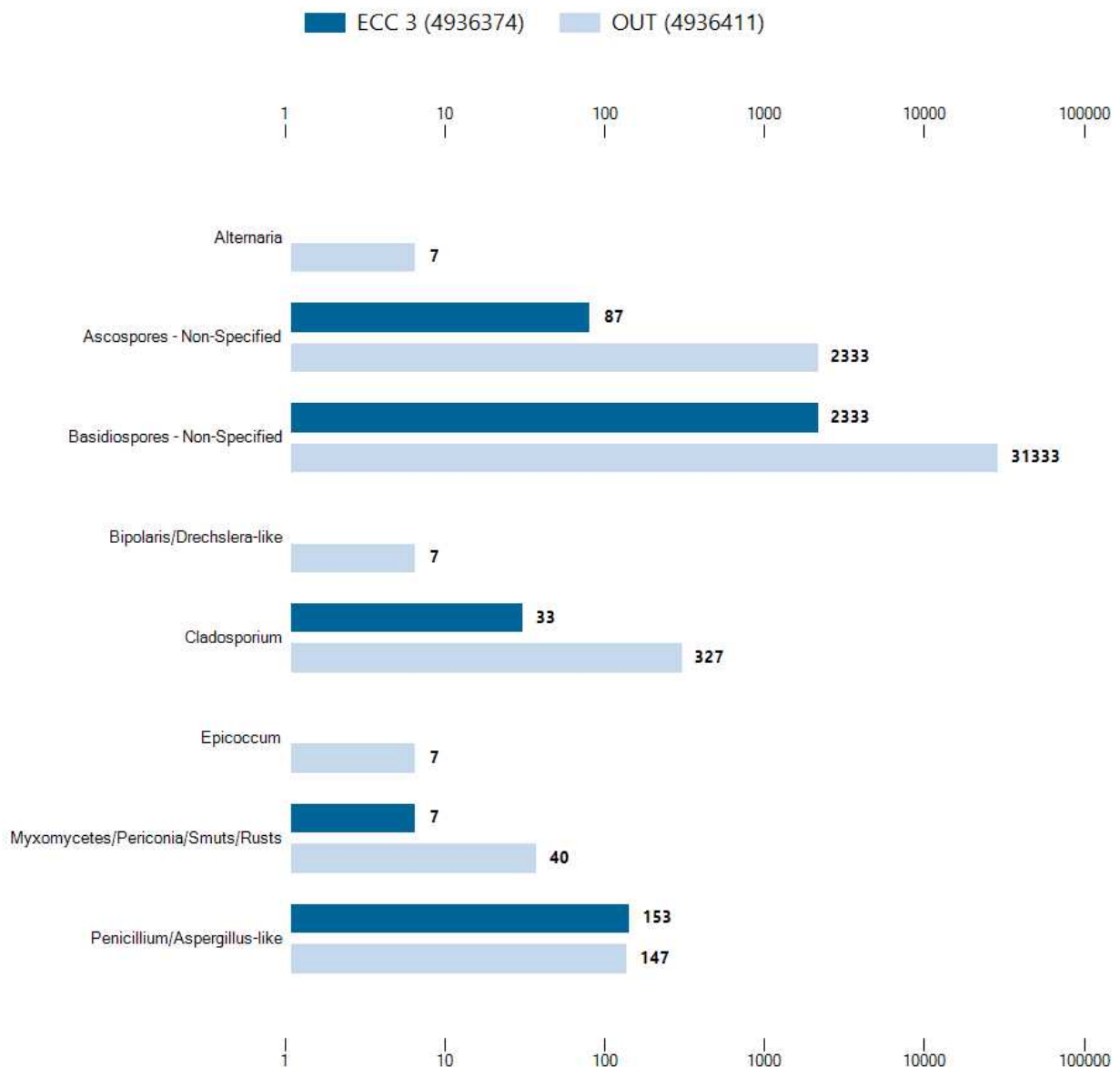
Client: Karl & Associates
20 Lauck Road
Mohnton, PA 19540

Lab Code: 796273-1
Date Received: 10/20/26
Date Analyzed: 10/23/26 - 10/27/26
Date Reported: 10/27/26

Project: 26-0866, Montgomery BOE Orchard Hill School

Method: CEI Method 110

Calculated spores per cubic meter





Built Environment Testing

MOLD SPORE TRAP REPORT

By: Nonviable Direct Microscopy

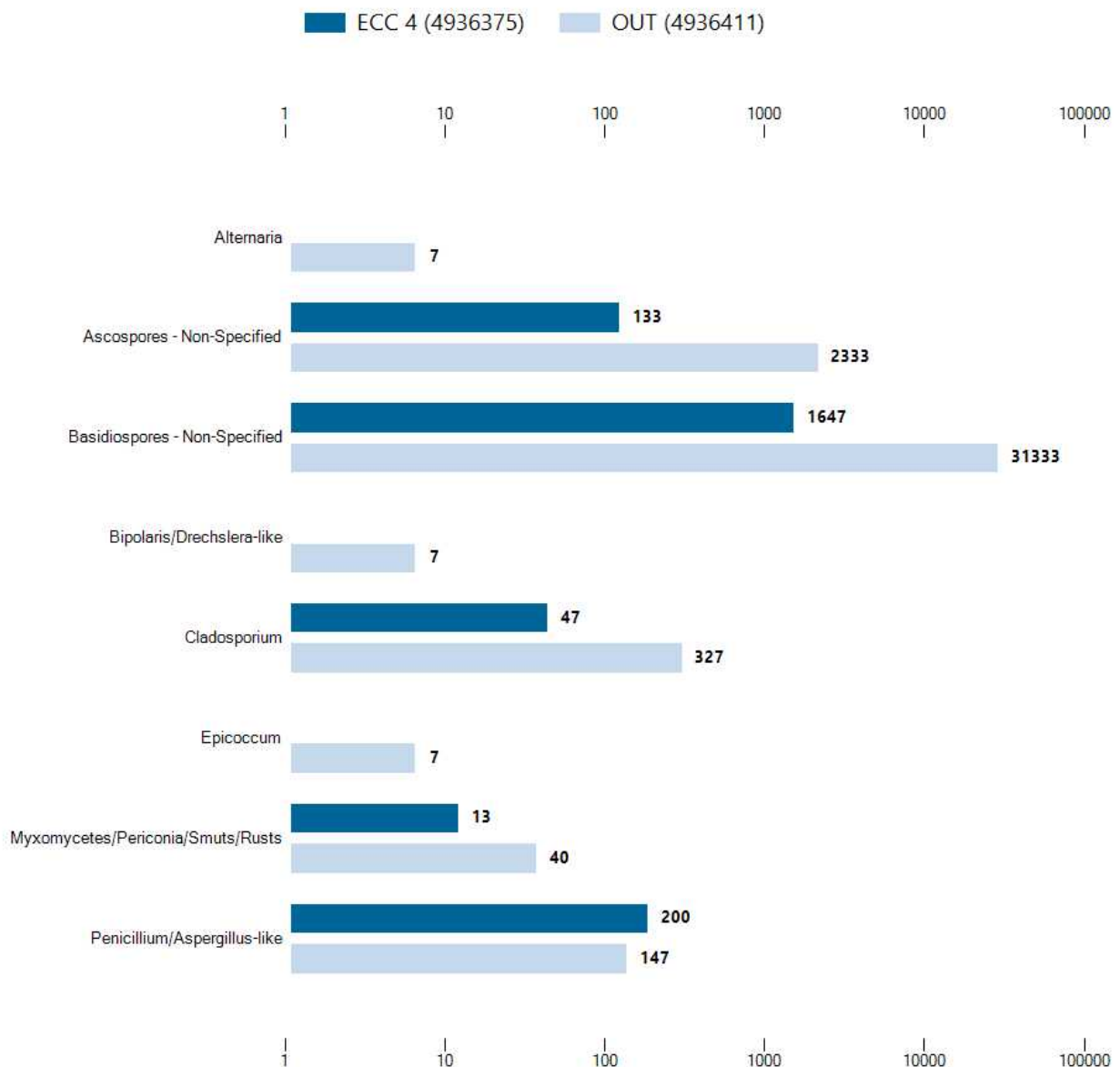
Client: Karl & Associates
20 Lauck Road
Mohnton, PA 19540

Lab Code: 796273-1
Date Received: 10/20/26
Date Analyzed: 10/23/26 - 10/27/26
Date Reported: 10/27/26

Project: 26-0866, Montgomery BOE Orchard Hill School

Method: CEI Method 110

Calculated spores per cubic meter





Built Environment Testing

MOLD SPORE TRAP REPORT

By: Nonviable Direct Microscopy

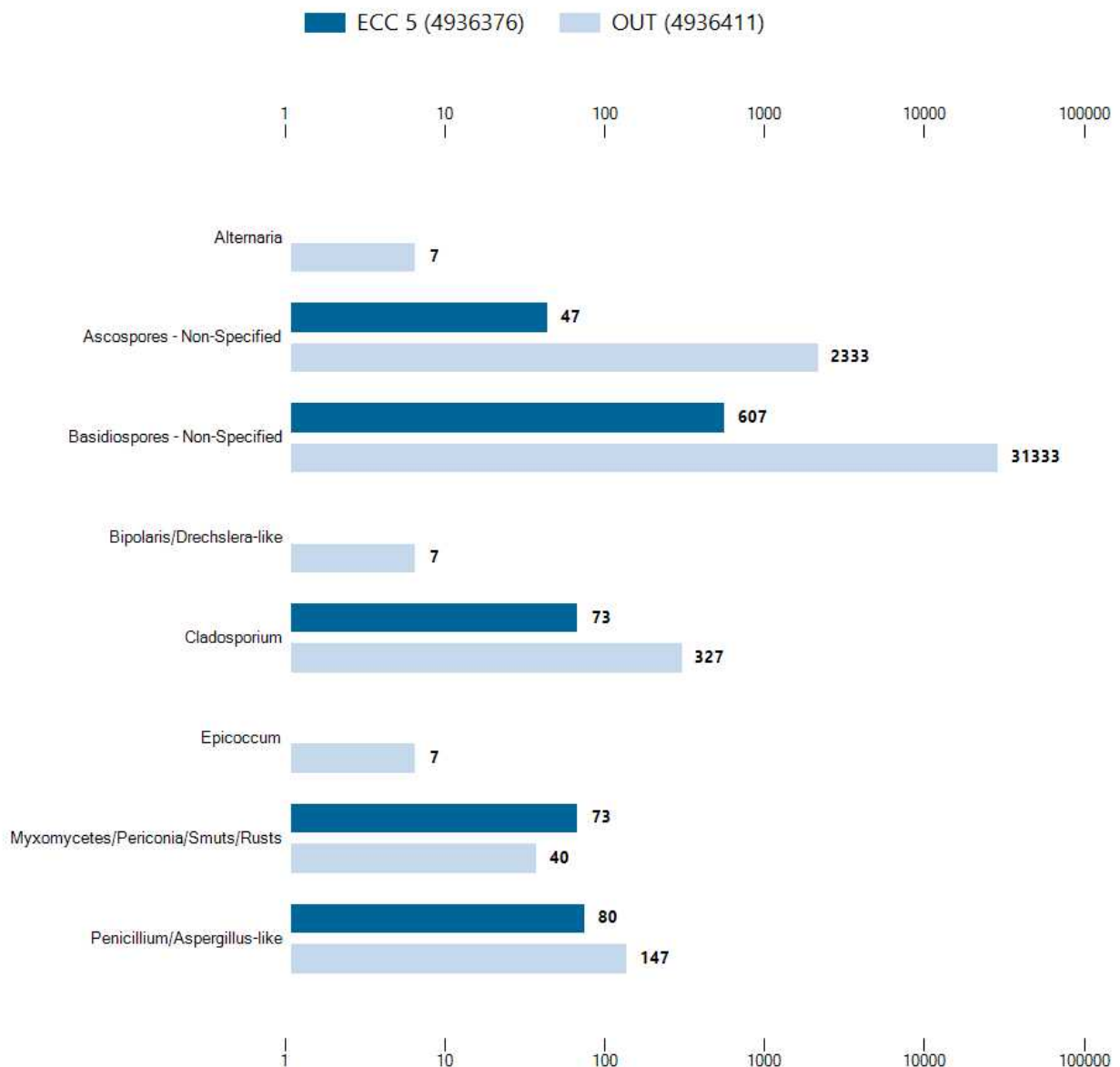
Client: Karl & Associates
20 Lauck Road
Mohnton, PA 19540

Lab Code: 796273-1
Date Received: 10/20/26
Date Analyzed: 10/23/26 - 10/27/26
Date Reported: 10/27/26

Project: 26-0866, Montgomery BOE Orchard Hill School

Method: CEI Method 110

Calculated spores per cubic meter





Built Environment Testing

MOLD SPORE TRAP REPORT

By: Nonviable Direct Microscopy

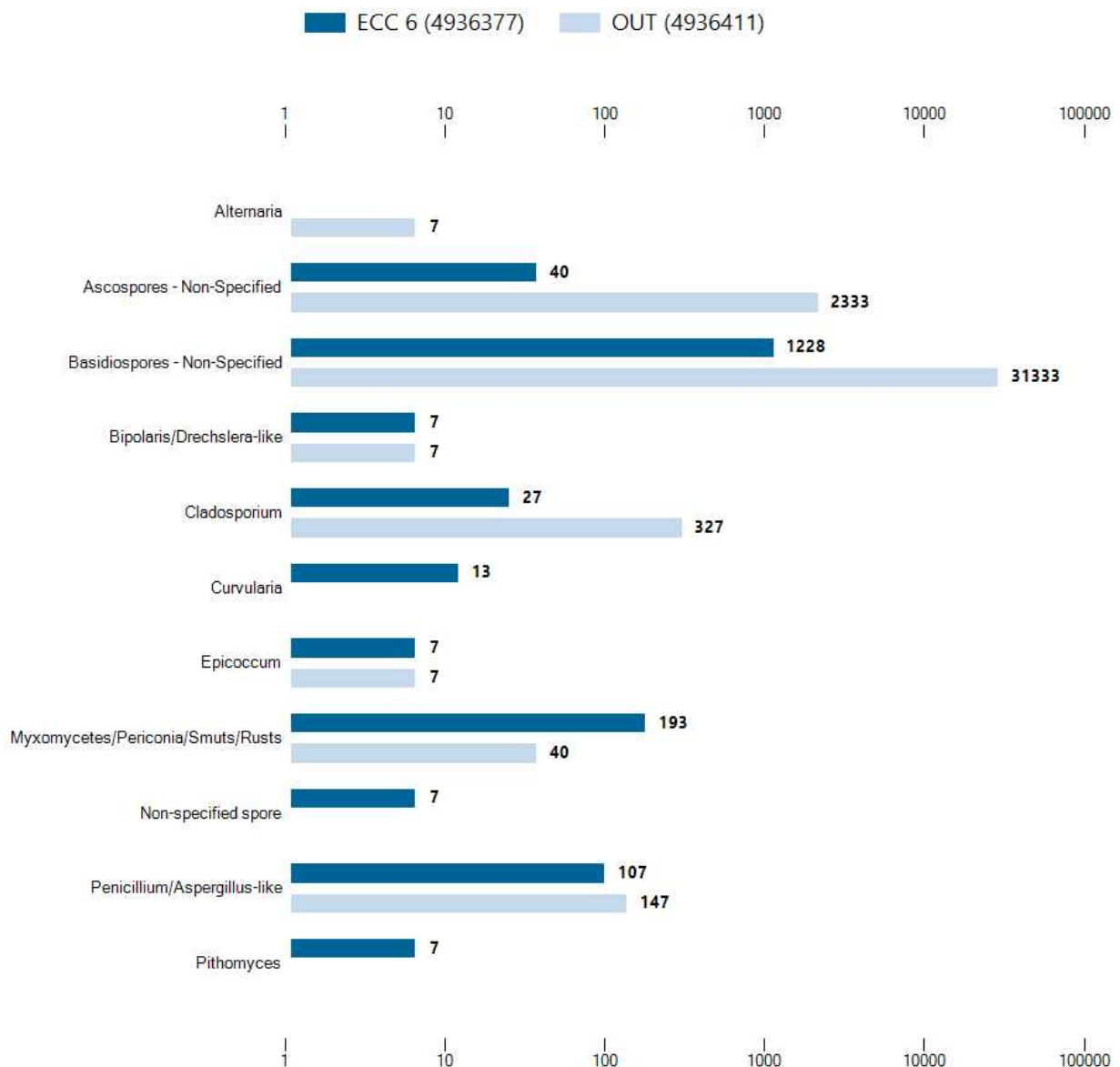
Client: Karl & Associates
20 Lauck Road
Mohnton, PA 19540

Lab Code: 796273-1
Date Received: 10/20/26
Date Analyzed: 10/23/26 - 10/27/26
Date Reported: 10/27/26

Project: 26-0866, Montgomery BOE Orchard Hill School

Method: CEI Method 110

Calculated spores per cubic meter





Built Environment Testing

MOLD SPORE TRAP REPORT

By: Nonviable Direct Microscopy

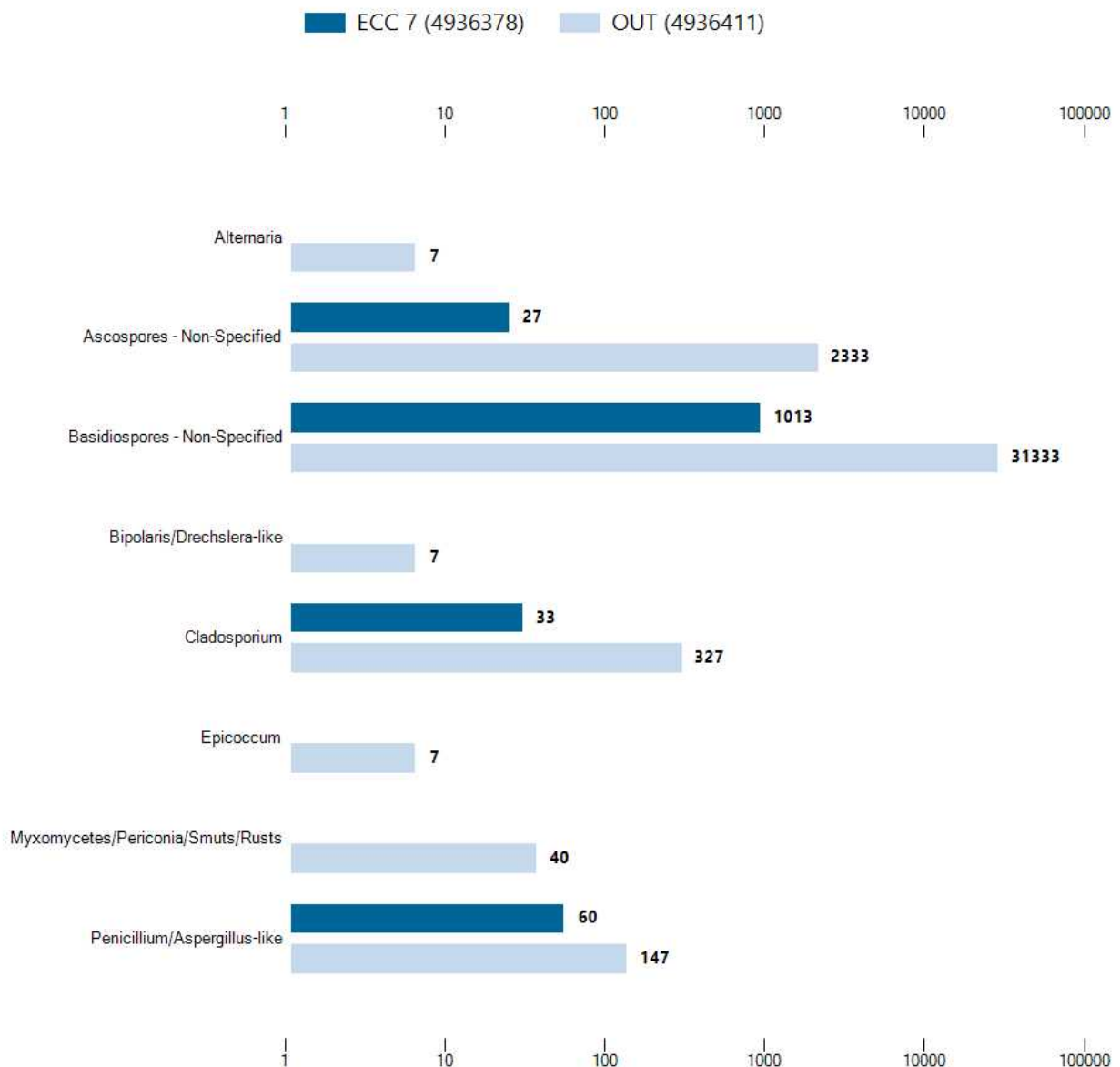
Client: Karl & Associates
20 Lauck Road
Mohnton, PA 19540

Lab Code: 796273-1
Date Received: 10/20/26
Date Analyzed: 10/23/26 - 10/27/26
Date Reported: 10/27/26

Project: 26-0866, Montgomery BOE Orchard Hill School

Method: CEI Method 110

Calculated spores per cubic meter





Built Environment Testing

MOLD SPORE TRAP REPORT

By: Nonviable Direct Microscopy

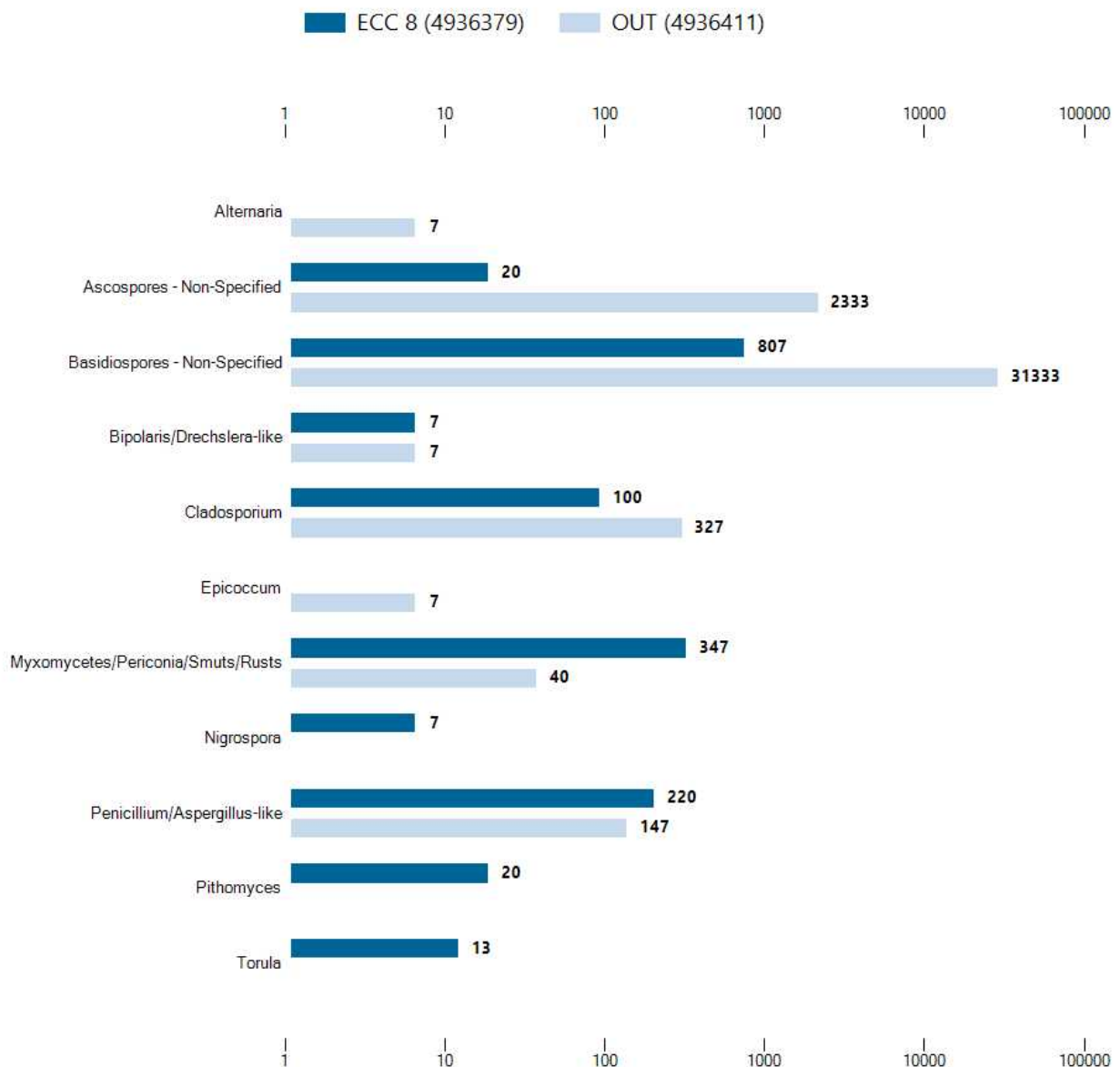
Client: Karl & Associates
20 Lauck Road
Mohnton, PA 19540

Lab Code: 796273-1
Date Received: 10/20/26
Date Analyzed: 10/23/26 - 10/27/26
Date Reported: 10/27/26

Project: 26-0866, Montgomery BOE Orchard Hill School

Method: CEI Method 110

Calculated spores per cubic meter





Built Environment Testing

MOLD SPORE TRAP REPORT

By: Nonviable Direct Microscopy

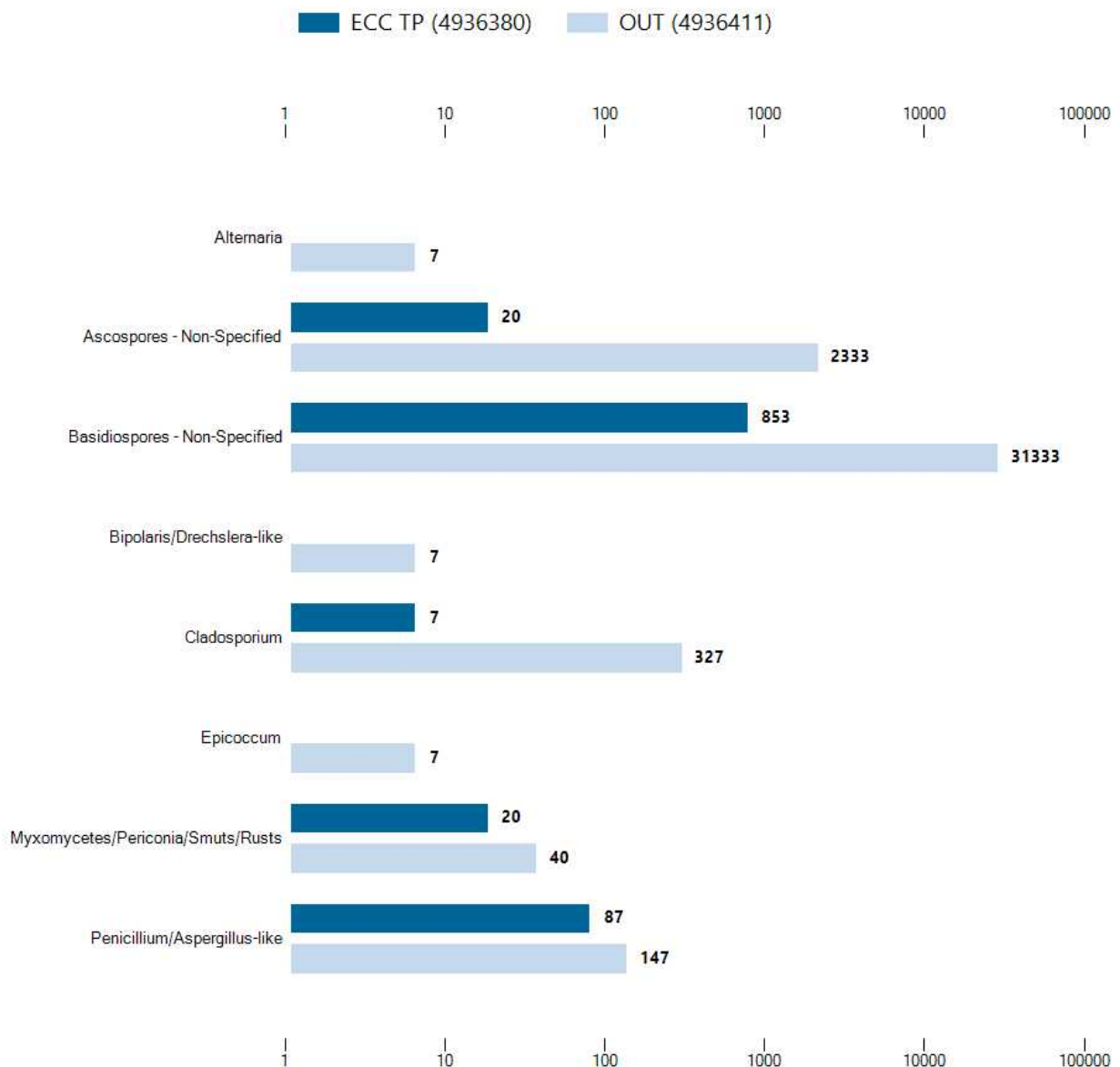
Client: Karl & Associates
20 Lauck Road
Mohnton, PA 19540

Lab Code: 796273-1
Date Received: 10/20/26
Date Analyzed: 10/23/26 - 10/27/26
Date Reported: 10/27/26

Project: 26-0866, Montgomery BOE Orchard Hill School

Method: CEI Method 110

Calculated spores per cubic meter





Built Environment Testing

MOLD SPORE TRAP REPORT

By: Nonviable Direct Microscopy

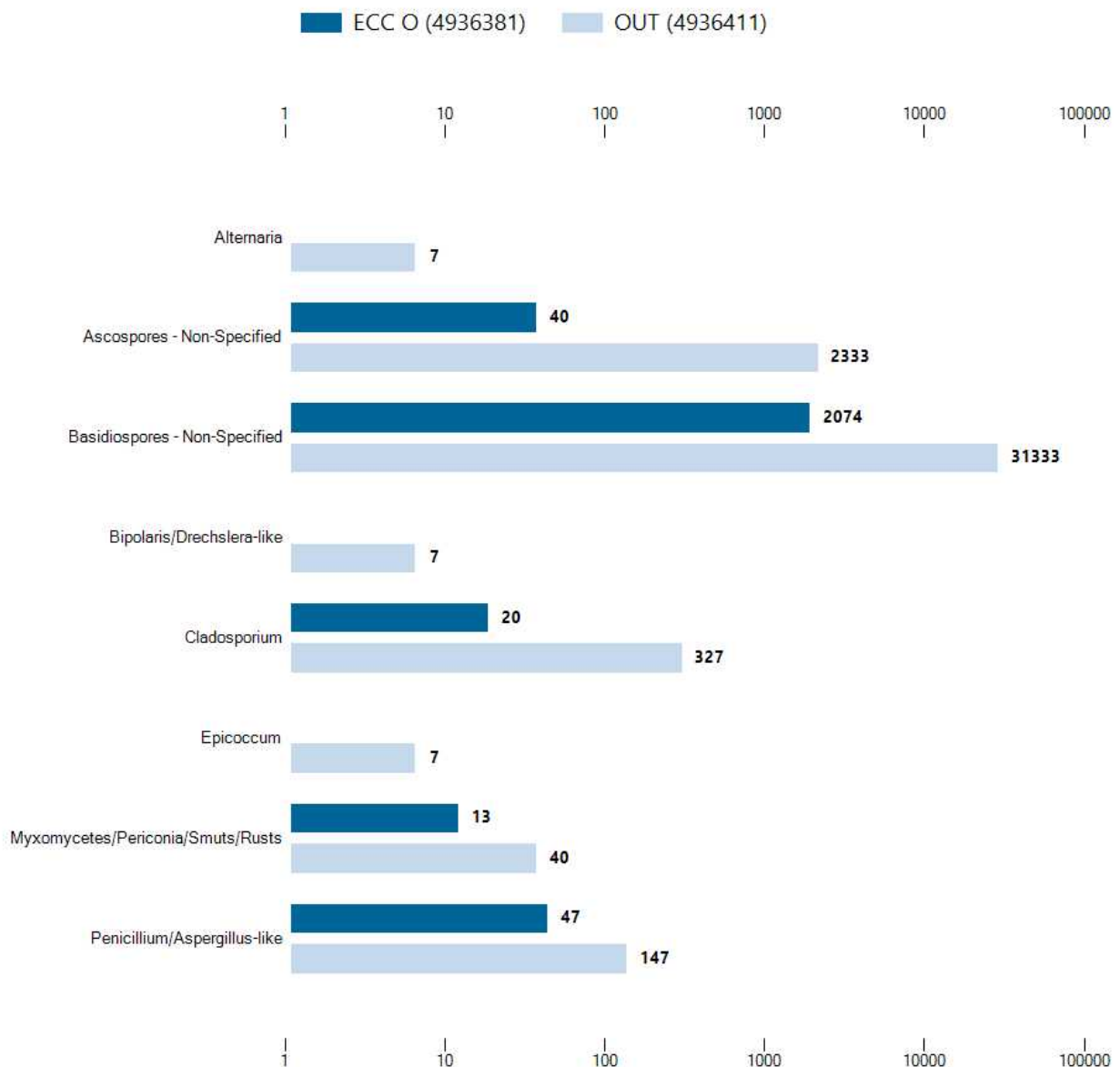
Client: Karl & Associates
20 Lauck Road
Mohnton, PA 19540

Lab Code: 796273-1
Date Received: 10/20/26
Date Analyzed: 10/23/26 - 10/27/26
Date Reported: 10/27/26

Project: 26-0866, Montgomery BOE Orchard Hill School

Method: CEI Method 110

Calculated spores per cubic meter





Built Environment Testing

MOLD SPORE TRAP REPORT

By: Nonviable Direct Microscopy

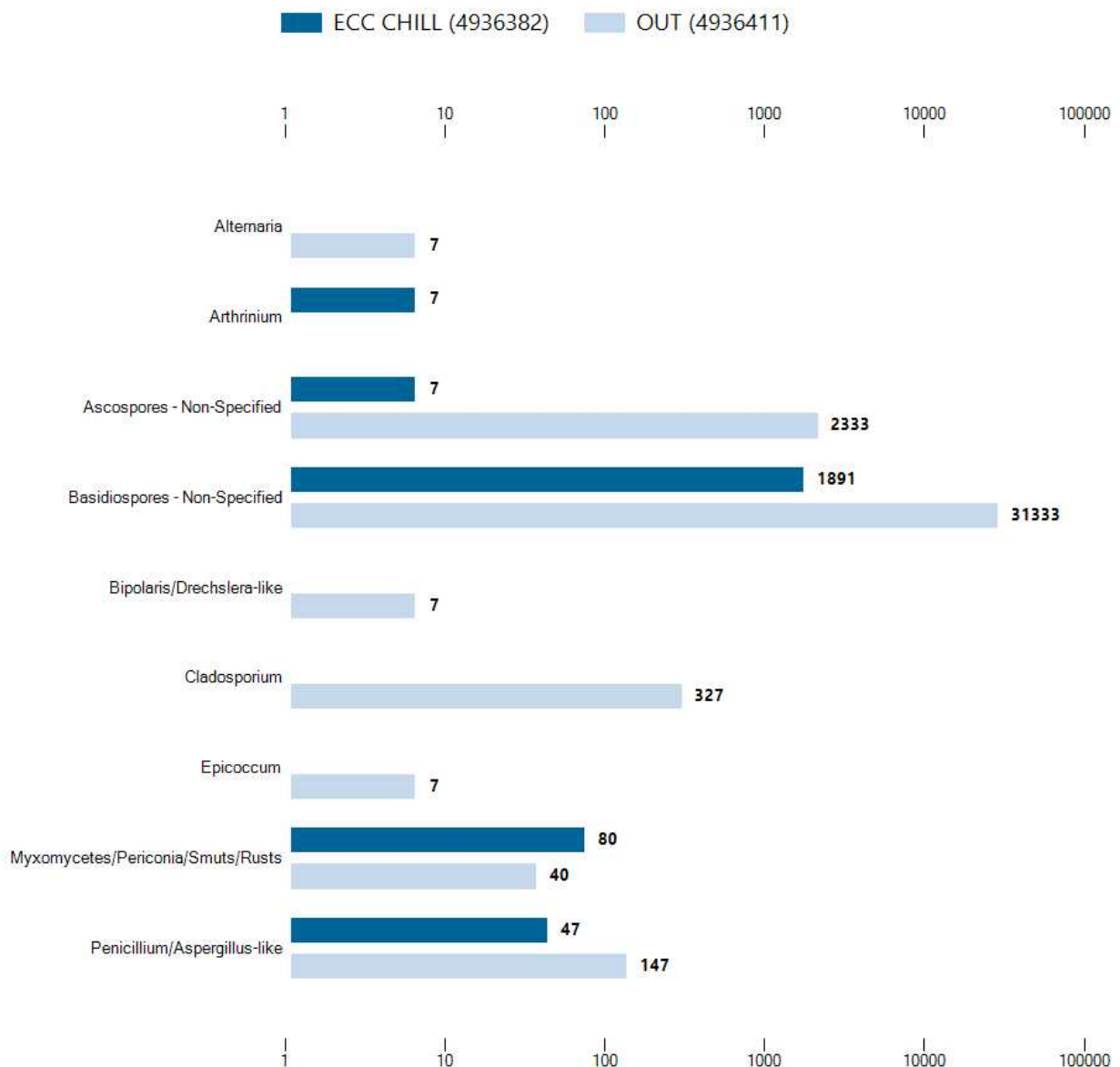
Client: Karl & Associates
20 Lauck Road
Mohnton, PA 19540

Lab Code: 796273-1
Date Received: 10/20/26
Date Analyzed: 10/23/26 - 10/27/26
Date Reported: 10/27/26

Project: 26-0866, Montgomery BOE Orchard Hill School

Method: CEI Method 110

Calculated spores per cubic meter





Built Environment Testing

MOLD SPORE TRAP REPORT

By: Nonviable Direct Microscopy

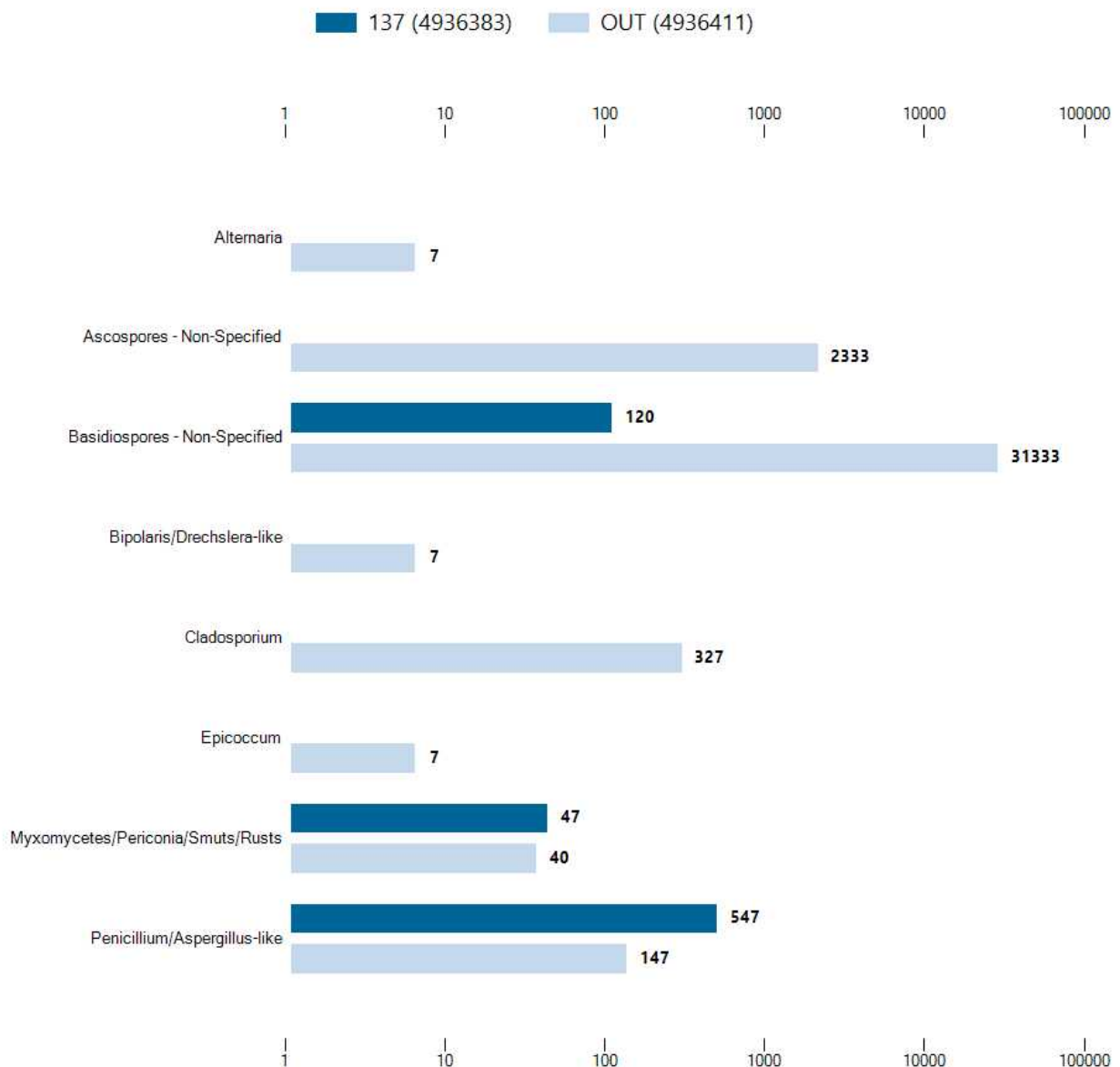
Client: Karl & Associates
20 Lauck Road
Mohnton, PA 19540

Lab Code: 796273-1
Date Received: 10/20/26
Date Analyzed: 10/23/26 - 10/27/26
Date Reported: 10/27/26

Project: 26-0866, Montgomery BOE Orchard Hill School

Method: CEI Method 110

Calculated spores per cubic meter





Built Environment Testing

MOLD SPORE TRAP REPORT

By: Nonviable Direct Microscopy

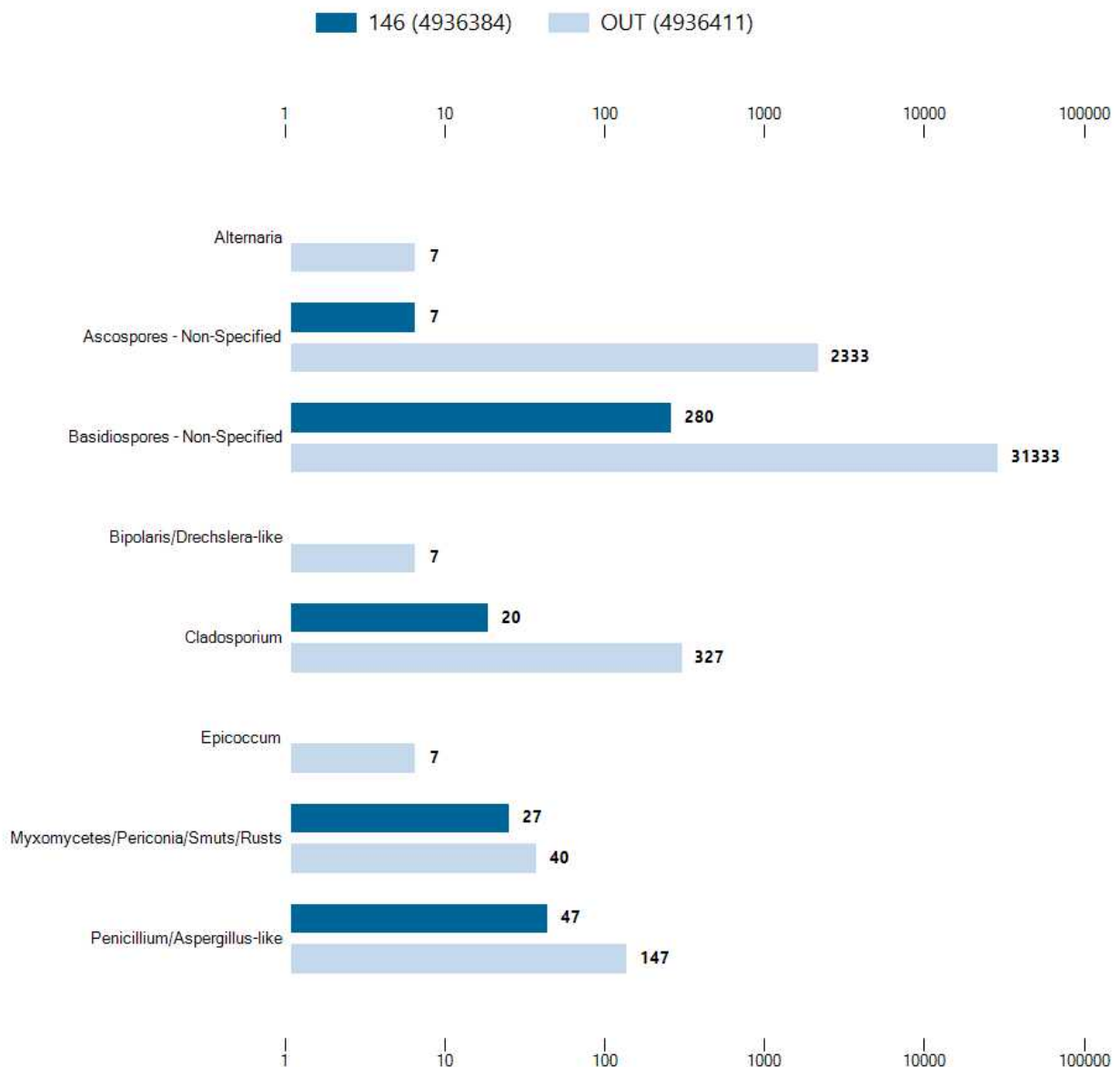
Client: Karl & Associates
20 Lauck Road
Mohnton, PA 19540

Lab Code: 796273-1
Date Received: 10/20/26
Date Analyzed: 10/23/26 - 10/27/26
Date Reported: 10/27/26

Project: 26-0866, Montgomery BOE Orchard Hill School

Method: CEI Method 110

Calculated spores per cubic meter





Built Environment Testing

MOLD SPORE TRAP REPORT

By: Nonviable Direct Microscopy

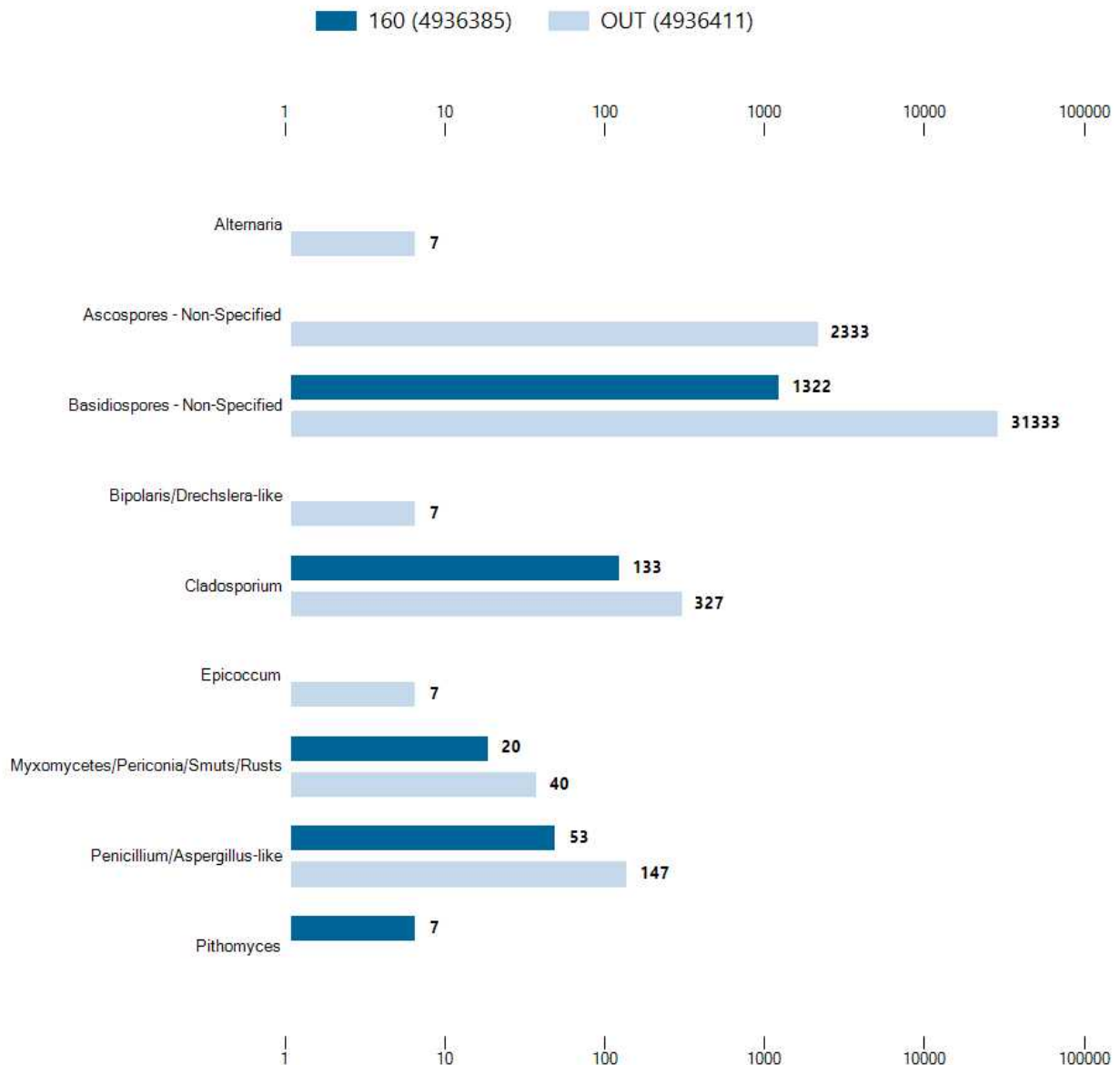
Client: Karl & Associates
20 Lauck Road
Mohnton, PA 19540

Lab Code: 796273-1
Date Received: 10/20/26
Date Analyzed: 10/23/26 - 10/27/26
Date Reported: 10/27/26

Project: 26-0866, Montgomery BOE Orchard Hill School

Method: CEI Method 110

Calculated spores per cubic meter





Built Environment Testing

MOLD SPORE TRAP REPORT

By: Nonviable Direct Microscopy

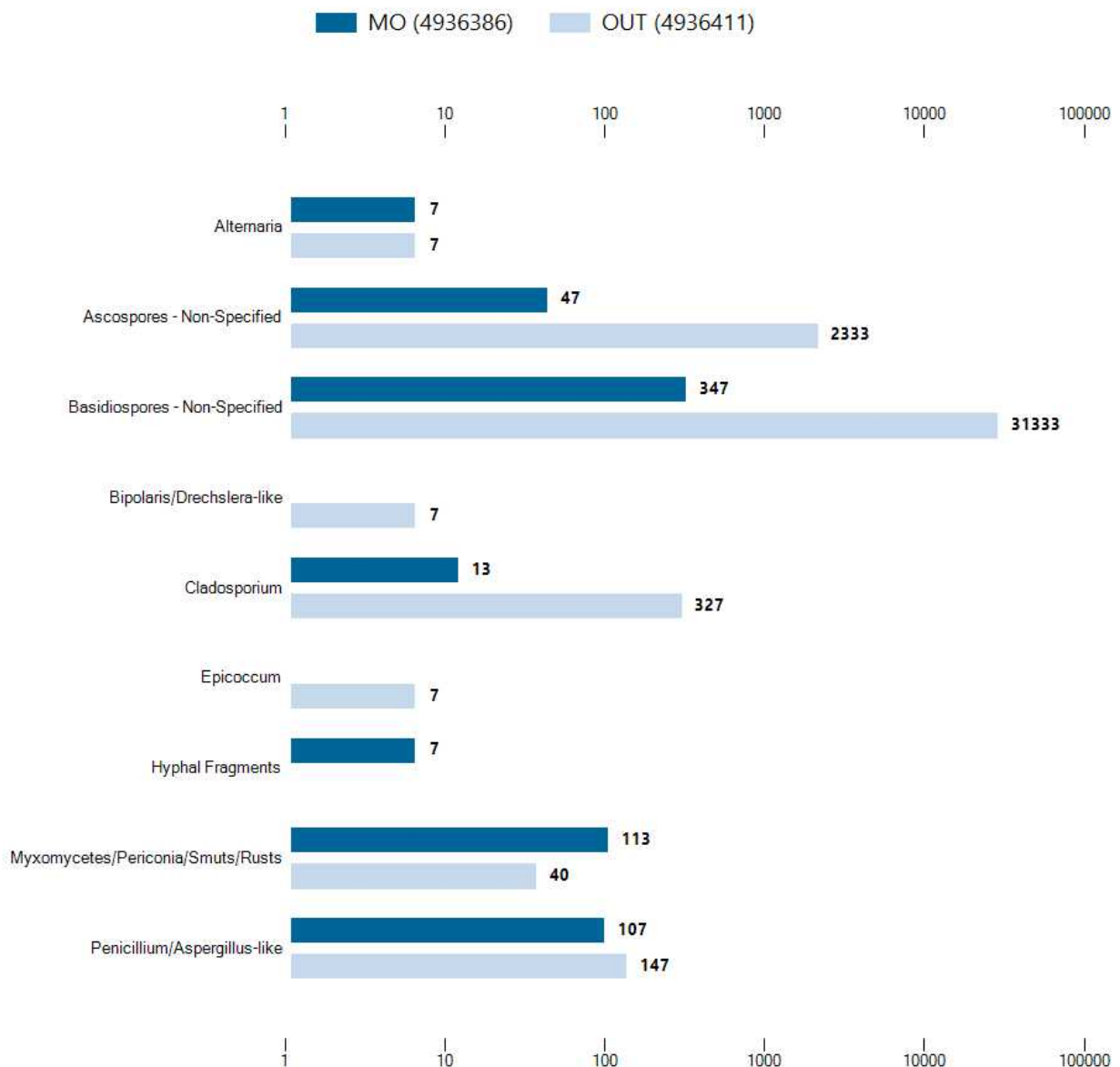
Client: Karl & Associates
20 Lauck Road
Mohnton, PA 19540

Lab Code: 796273-1
Date Received: 10/20/26
Date Analyzed: 10/23/26 - 10/27/26
Date Reported: 10/27/26

Project: 26-0866, Montgomery BOE Orchard Hill School

Method: CEI Method 110

Calculated spores per cubic meter





Built Environment Testing

MOLD SPORE TRAP REPORT

By: Nonviable Direct Microscopy

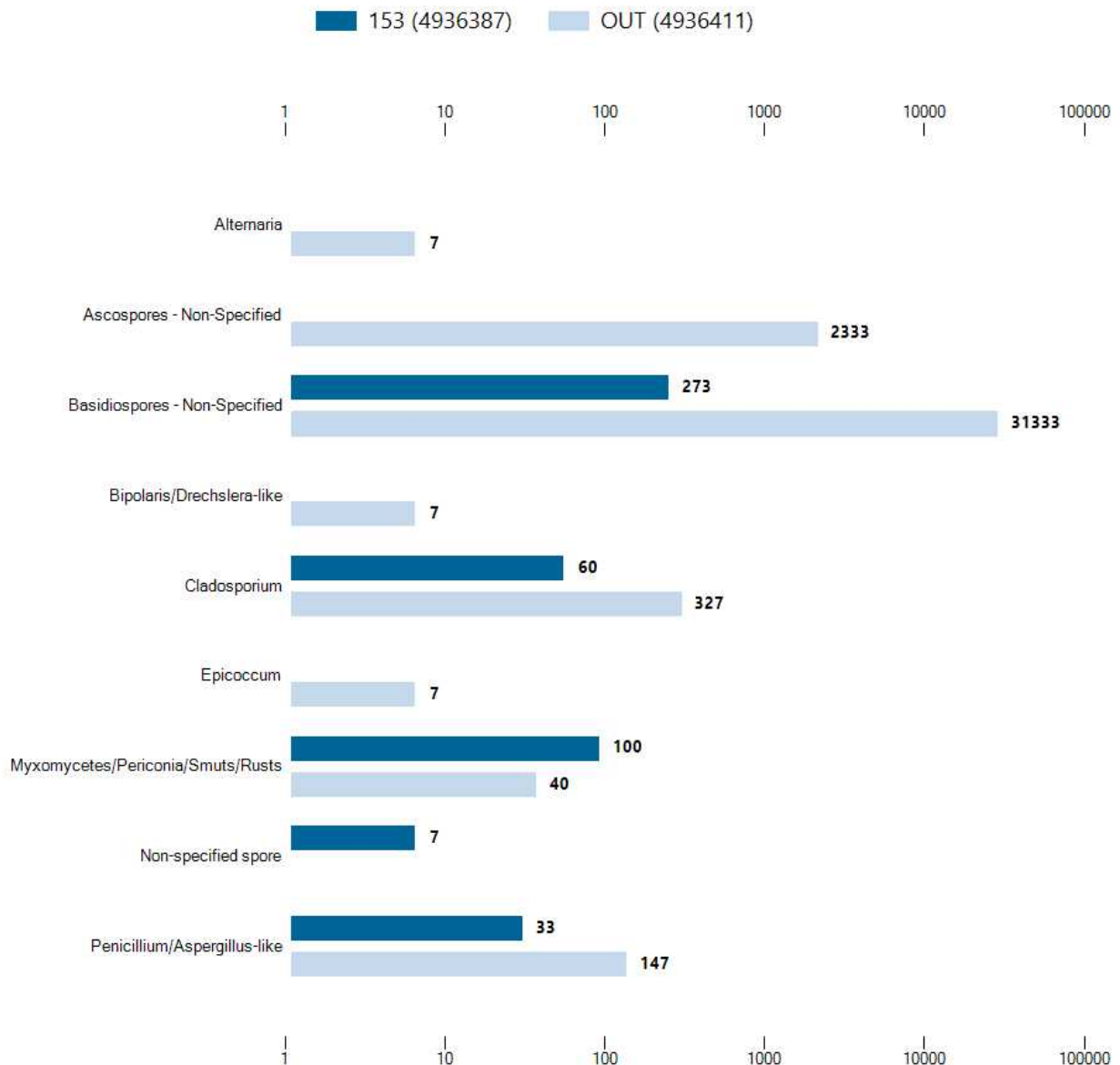
Client: Karl & Associates
20 Lauck Road
Mohnton, PA 19540

Lab Code: 796273-1
Date Received: 10/20/26
Date Analyzed: 10/23/26 - 10/27/26
Date Reported: 10/27/26

Project: 26-0866, Montgomery BOE Orchard Hill School

Method: CEI Method 110

Calculated spores per cubic meter





Built Environment Testing

MOLD SPORE TRAP REPORT

By: Nonviable Direct Microscopy

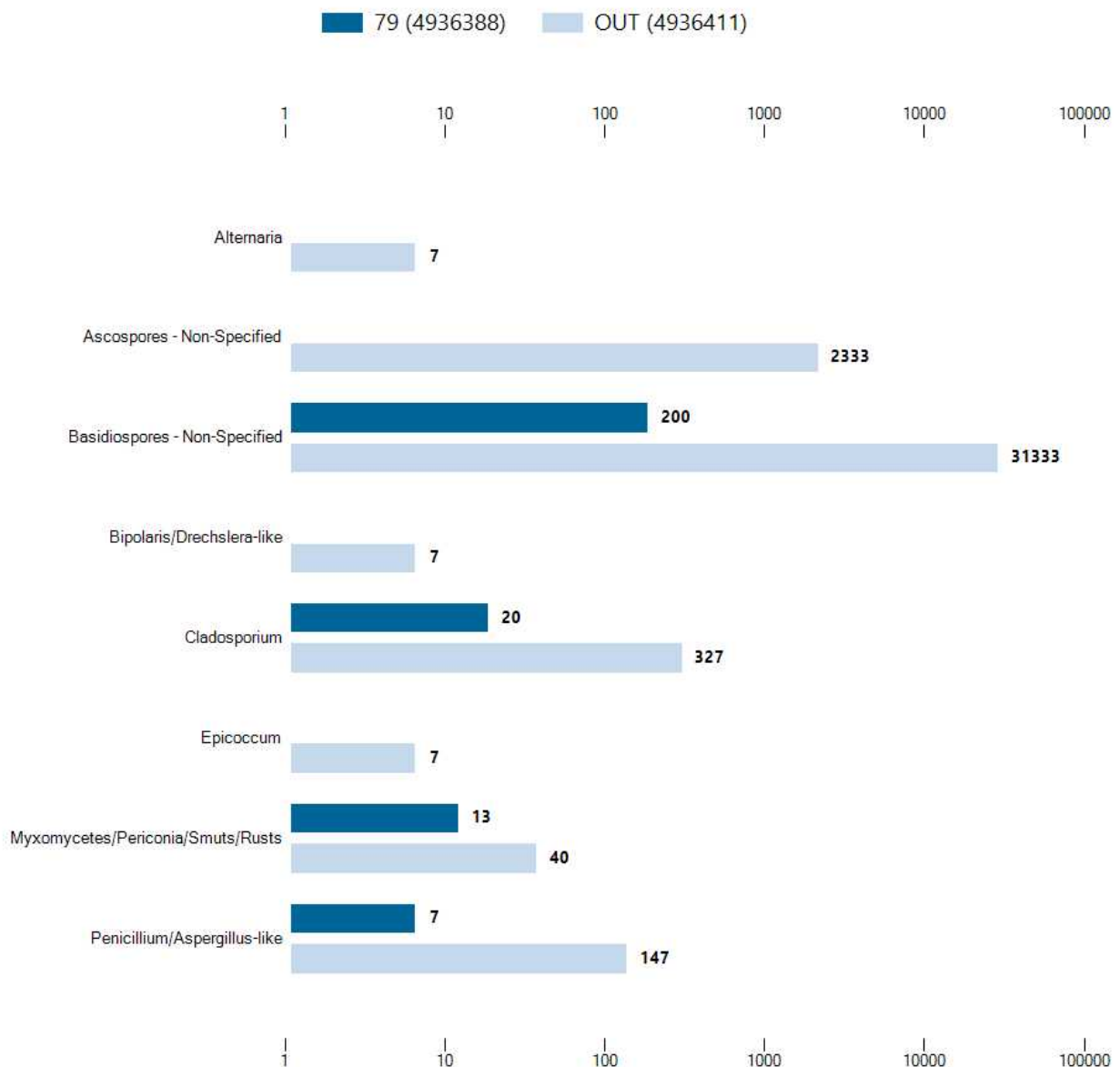
Client: Karl & Associates
20 Lauck Road
Mohnton, PA 19540

Lab Code: 796273-1
Date Received: 10/20/26
Date Analyzed: 10/23/26 - 10/27/26
Date Reported: 10/27/26

Project: 26-0866, Montgomery BOE Orchard Hill School

Method: CEI Method 110

Calculated spores per cubic meter





Built Environment Testing

MOLD SPORE TRAP REPORT

By: Nonviable Direct Microscopy

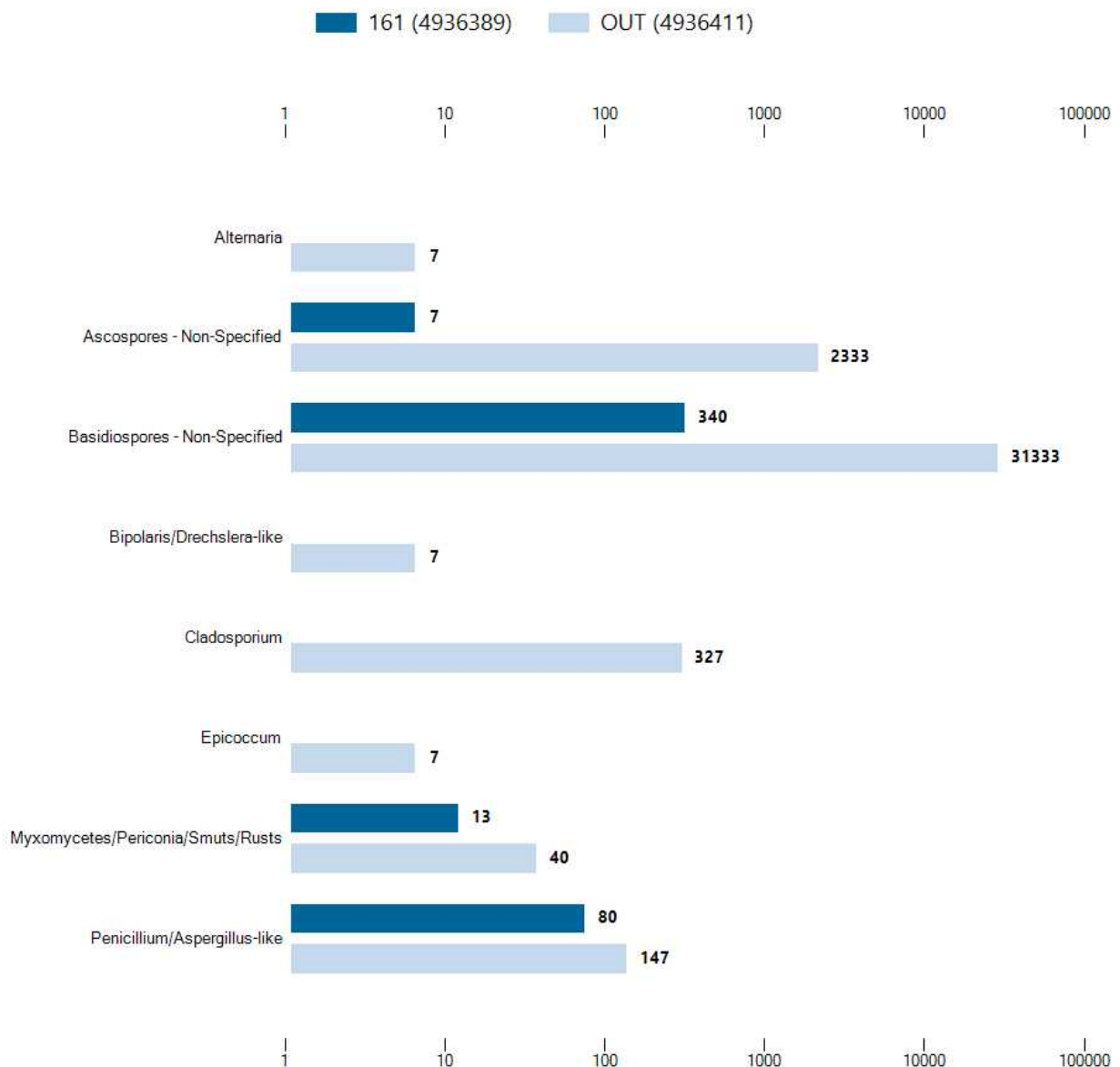
Client: Karl & Associates
20 Lauck Road
Mohnton, PA 19540

Lab Code: 796273-1
Date Received: 10/20/26
Date Analyzed: 10/23/26 - 10/27/26
Date Reported: 10/27/26

Project: 26-0866, Montgomery BOE Orchard Hill School

Method: CEI Method 110

Calculated spores per cubic meter





Built Environment Testing

MOLD SPORE TRAP REPORT

By: Nonviable Direct Microscopy

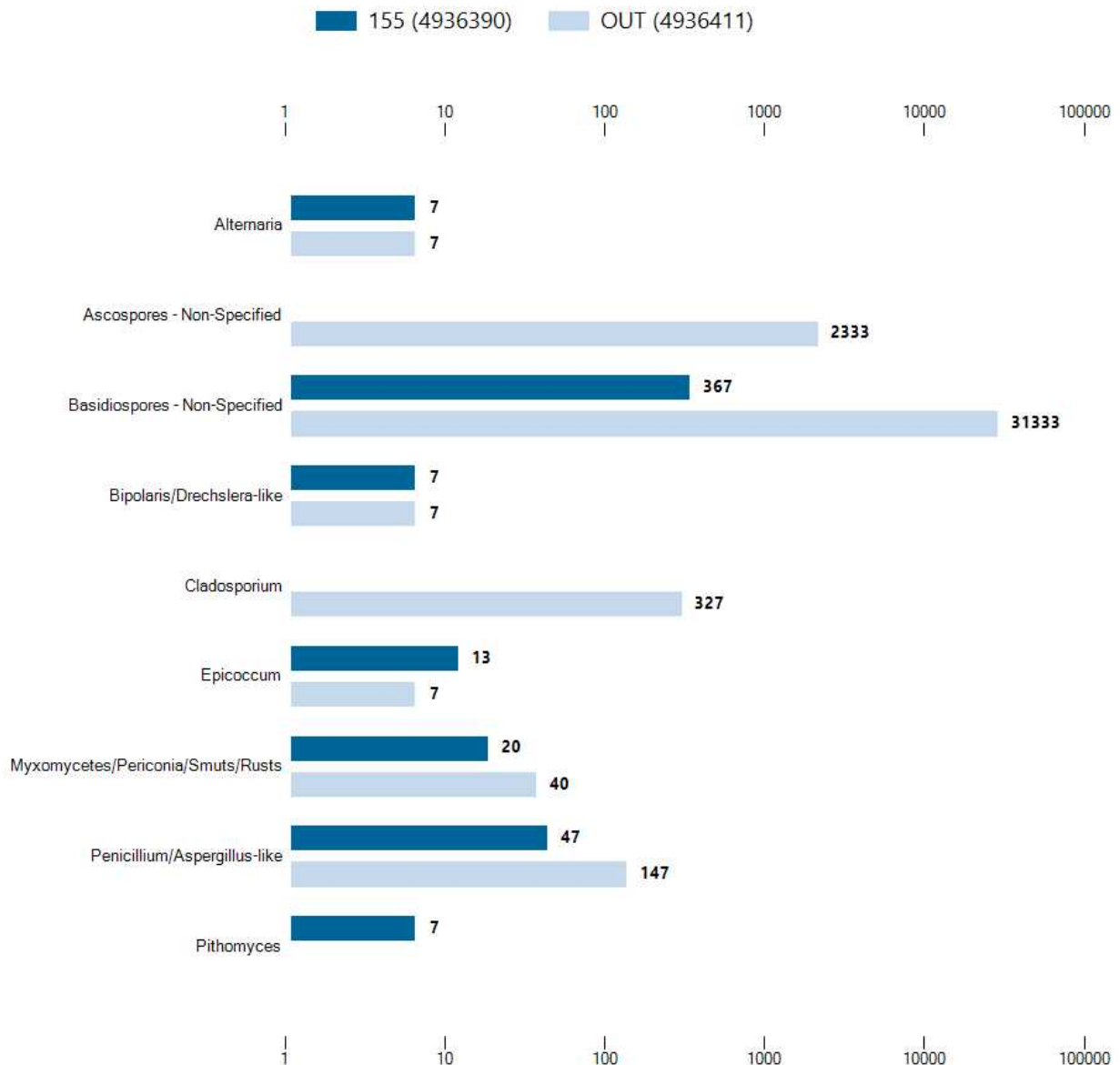
Client: Karl & Associates
20 Lauck Road
Mohnton, PA 19540

Lab Code: 796273-1
Date Received: 10/20/26
Date Analyzed: 10/23/26 - 10/27/26
Date Reported: 10/27/26

Project: 26-0866, Montgomery BOE Orchard Hill School

Method: CEI Method 110

Calculated spores per cubic meter





Built Environment Testing

MOLD SPORE TRAP REPORT

By: Nonviable Direct Microscopy

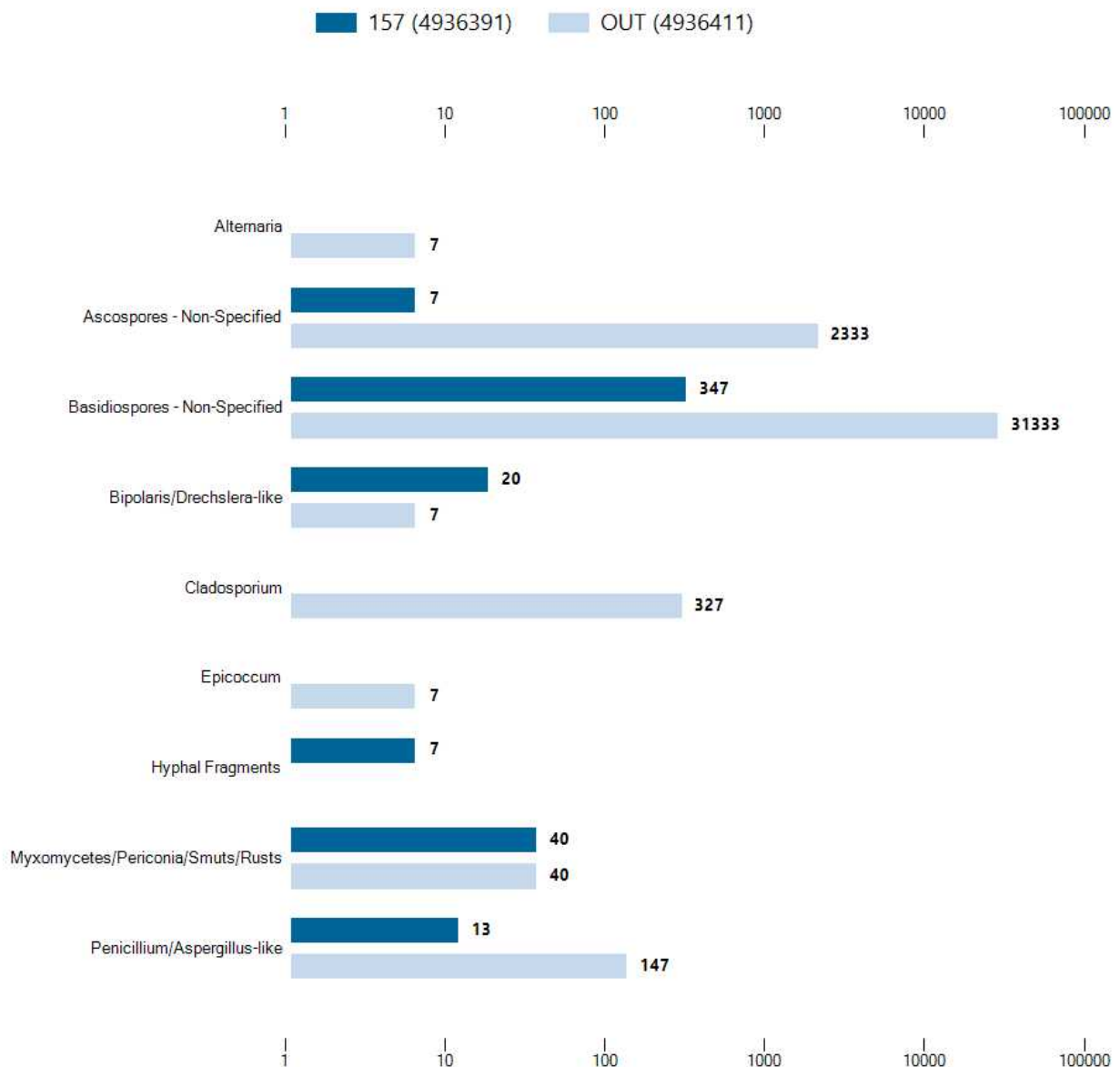
Client: Karl & Associates
20 Lauck Road
Mohnton, PA 19540

Lab Code: 796273-1
Date Received: 10/20/26
Date Analyzed: 10/23/26 - 10/27/26
Date Reported: 10/27/26

Project: 26-0866, Montgomery BOE Orchard Hill School

Method: CEI Method 110

Calculated spores per cubic meter





Built Environment Testing

MOLD SPORE TRAP REPORT

By: Nonviable Direct Microscopy

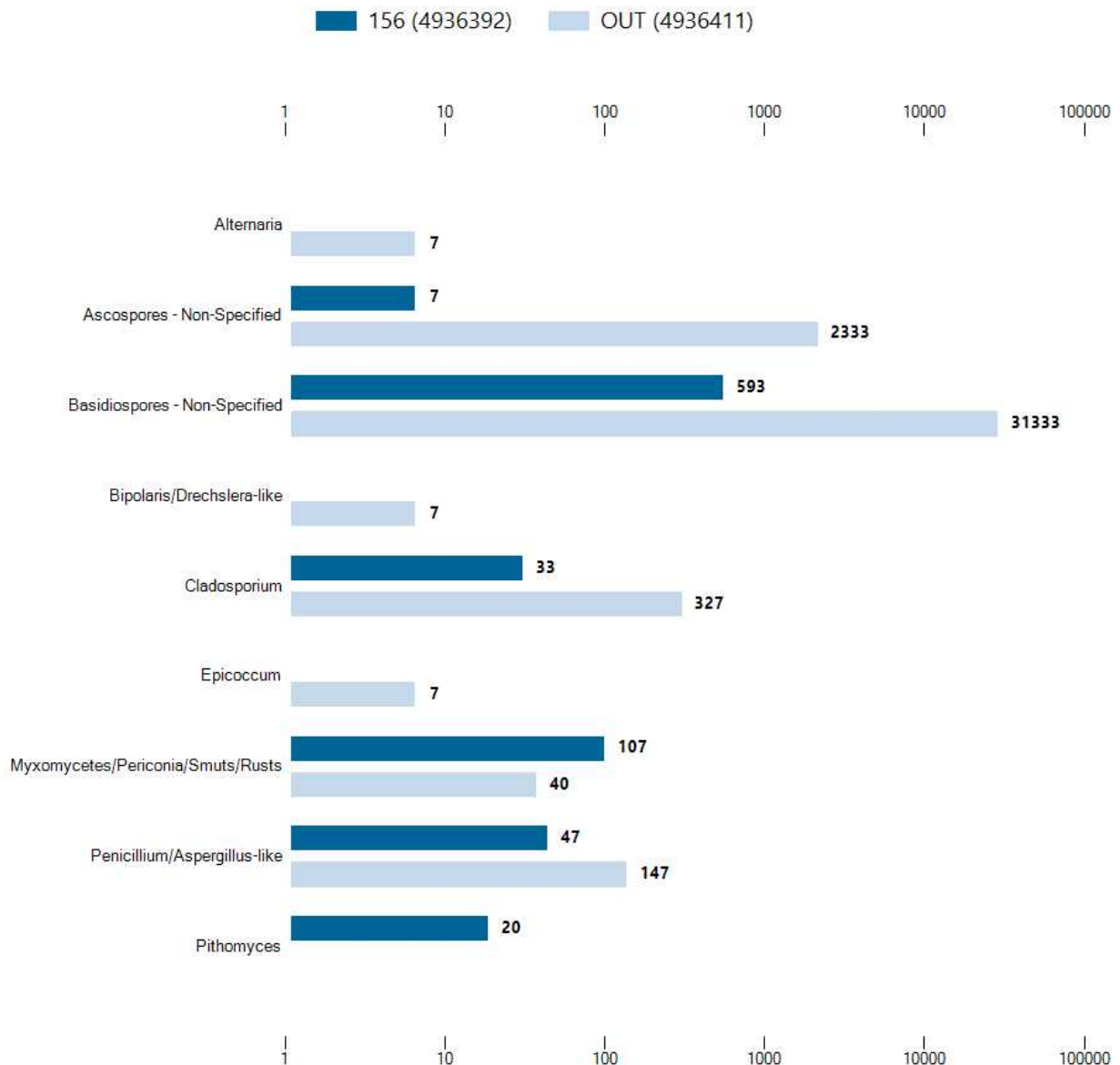
Client: Karl & Associates
20 Lauck Road
Mohnton, PA 19540

Lab Code: 796273-1
Date Received: 10/20/26
Date Analyzed: 10/23/26 - 10/27/26
Date Reported: 10/27/26

Project: 26-0866, Montgomery BOE Orchard Hill School

Method: CEI Method 110

Calculated spores per cubic meter





Built Environment Testing

MOLD SPORE TRAP REPORT

By: Nonviable Direct Microscopy

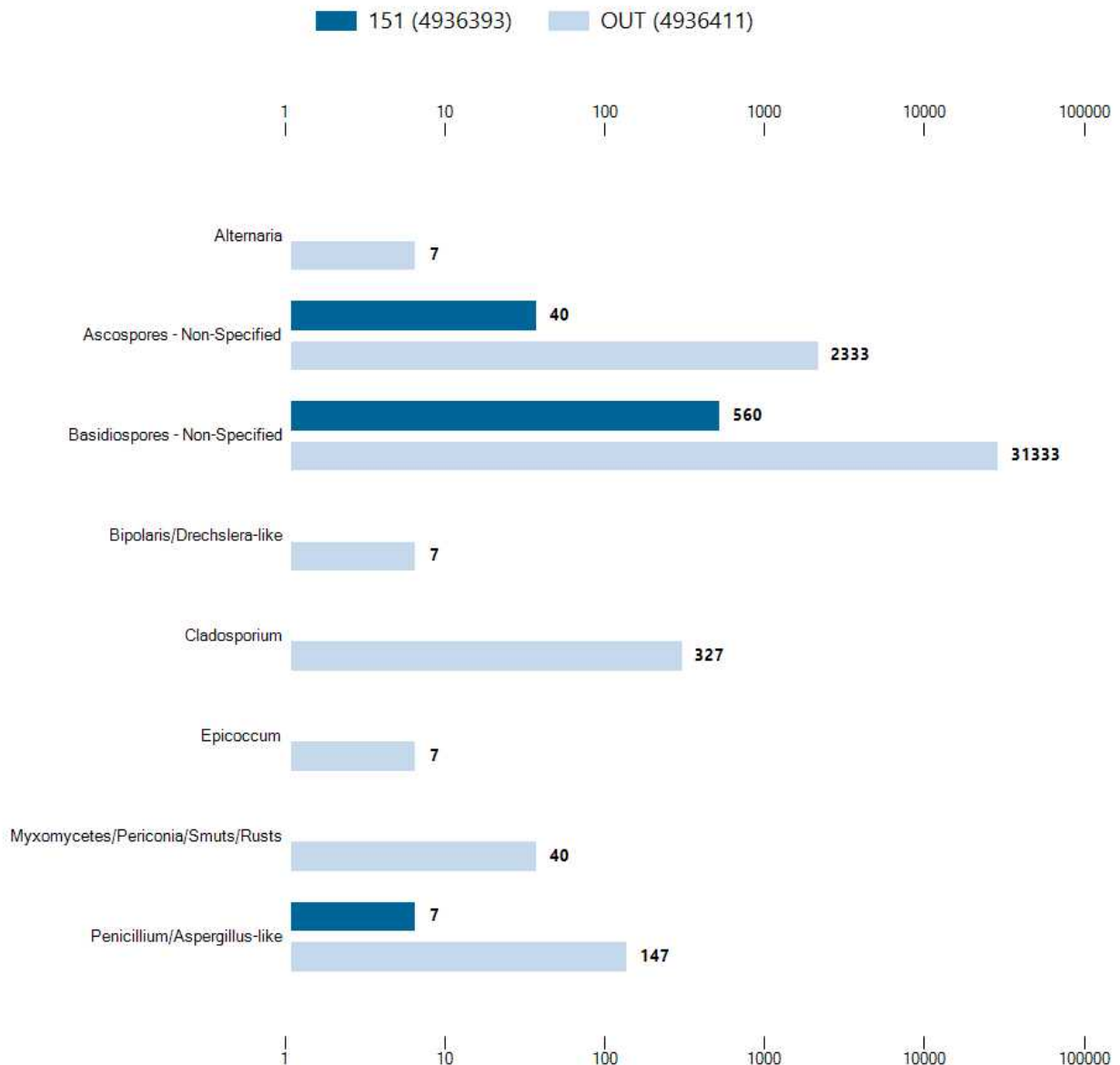
Client: Karl & Associates
20 Lauck Road
Mohnton, PA 19540

Lab Code: 796273-1
Date Received: 10/20/26
Date Analyzed: 10/23/26 - 10/27/26
Date Reported: 10/27/26

Project: 26-0866, Montgomery BOE Orchard Hill School

Method: CEI Method 110

Calculated spores per cubic meter





Built Environment Testing

MOLD SPORE TRAP REPORT

By: Nonviable Direct Microscopy

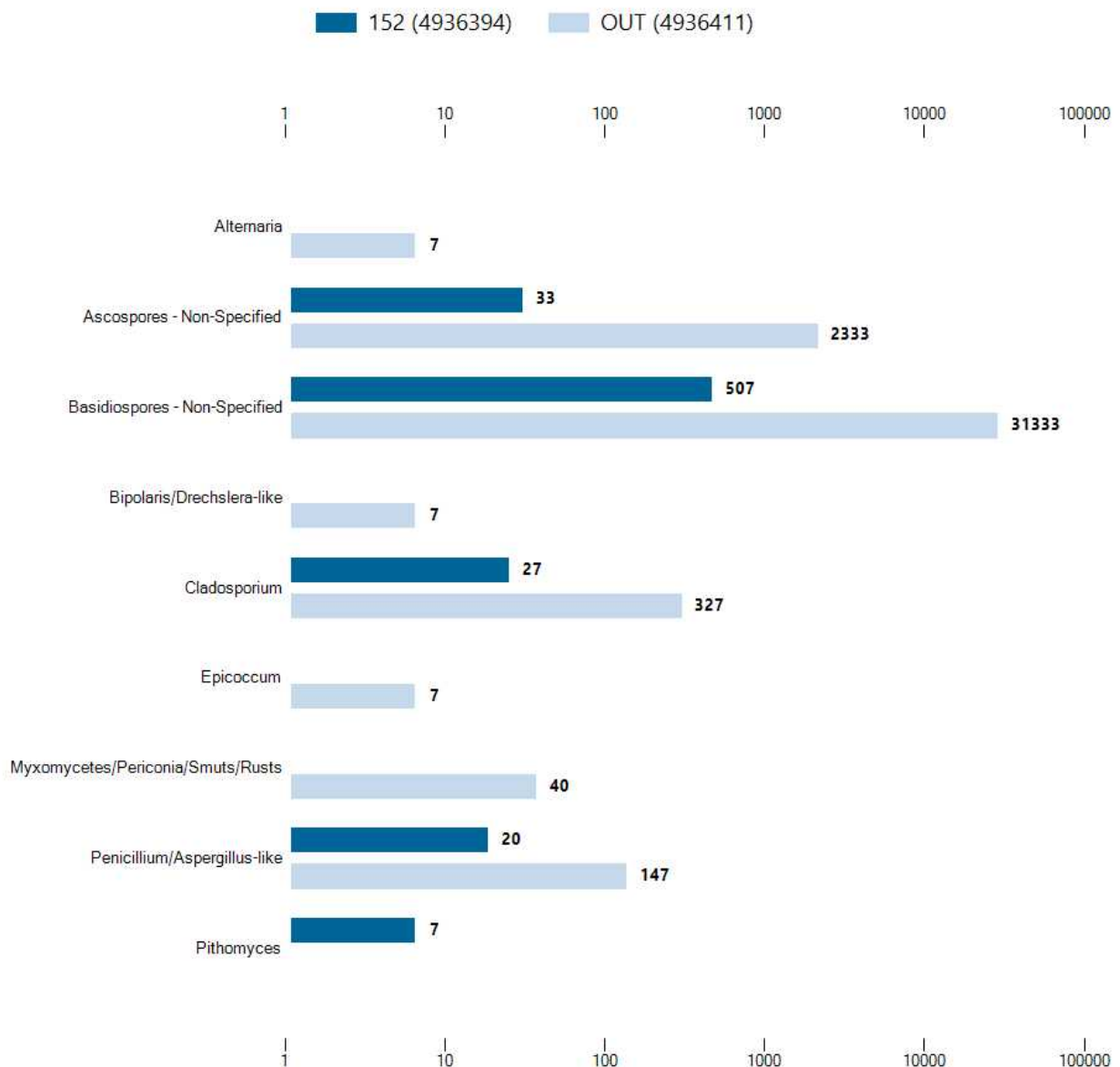
Client: Karl & Associates
20 Lauck Road
Mohnton, PA 19540

Lab Code: 796273-1
Date Received: 10/20/26
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By: Nonviable Direct Microscopy

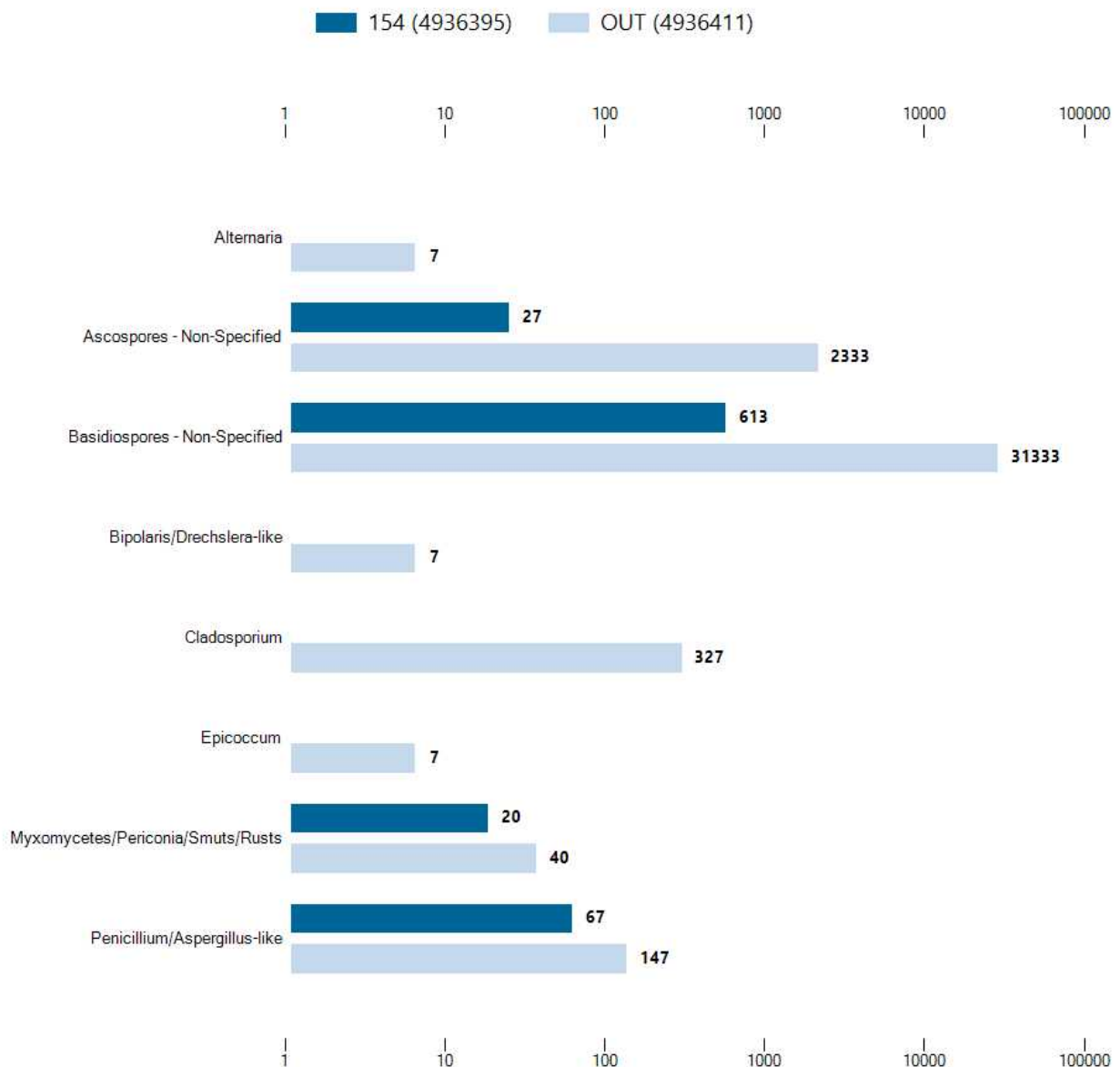
Client: Karl & Associates
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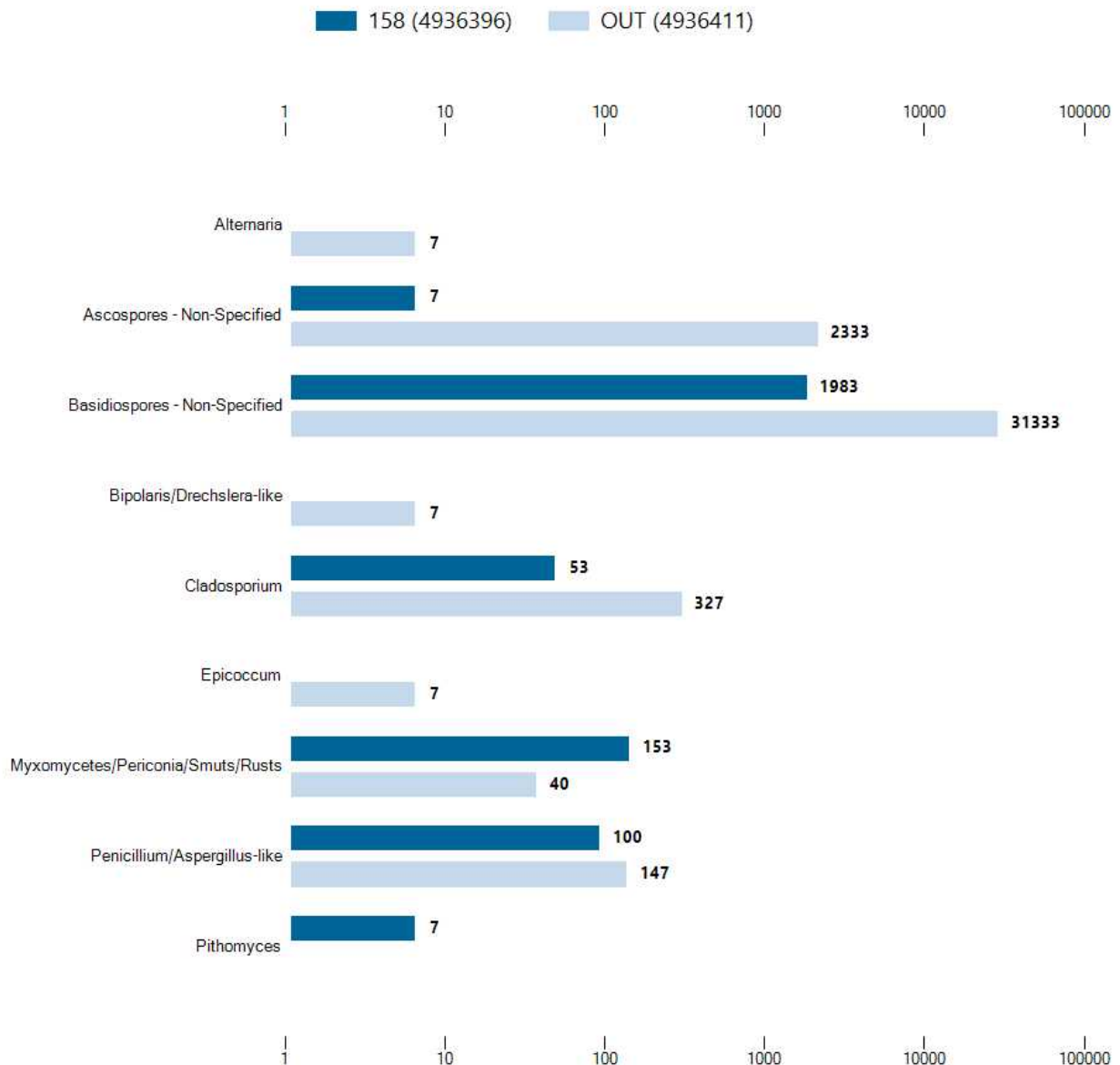
Client: Karl & Associates
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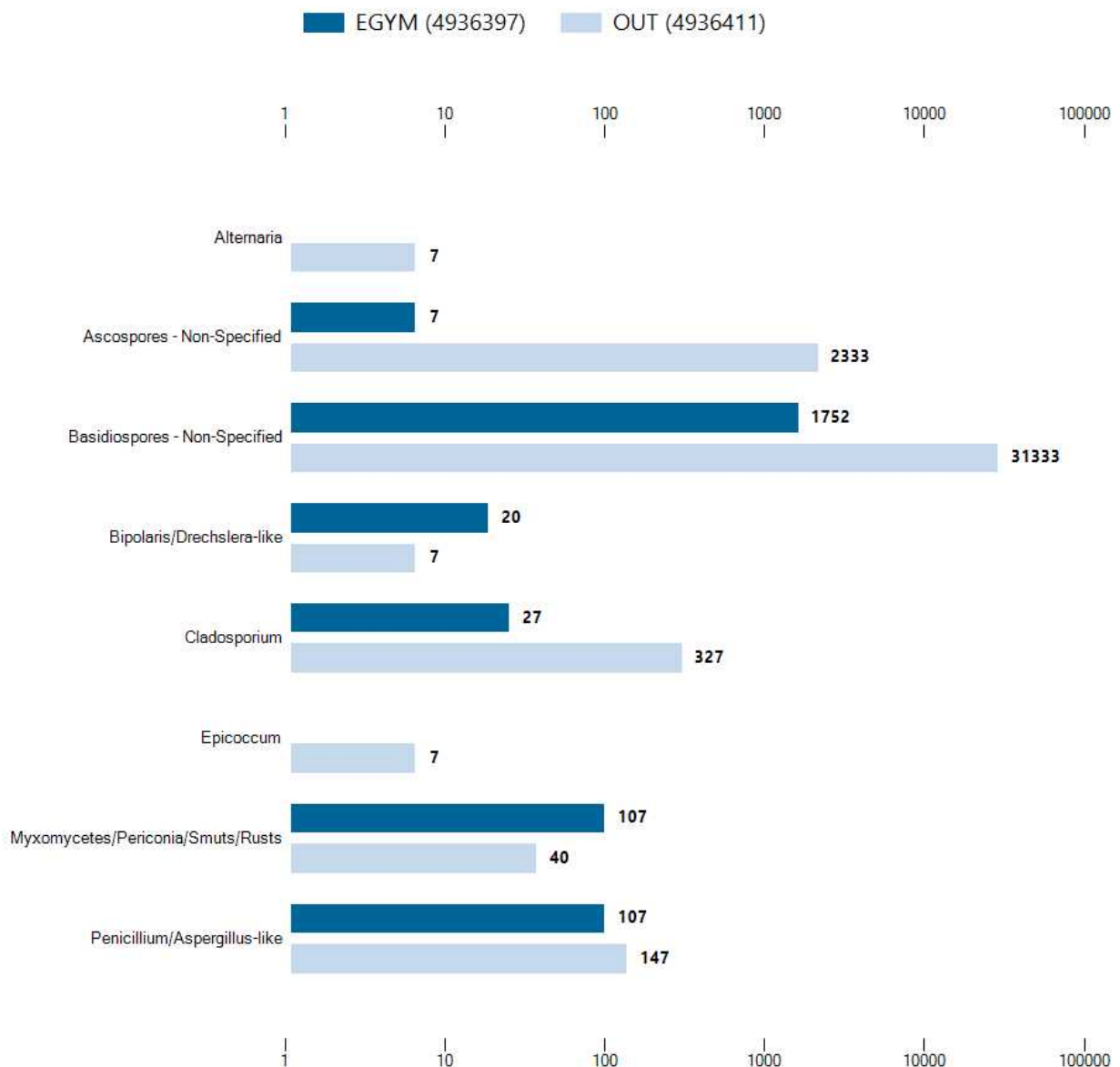
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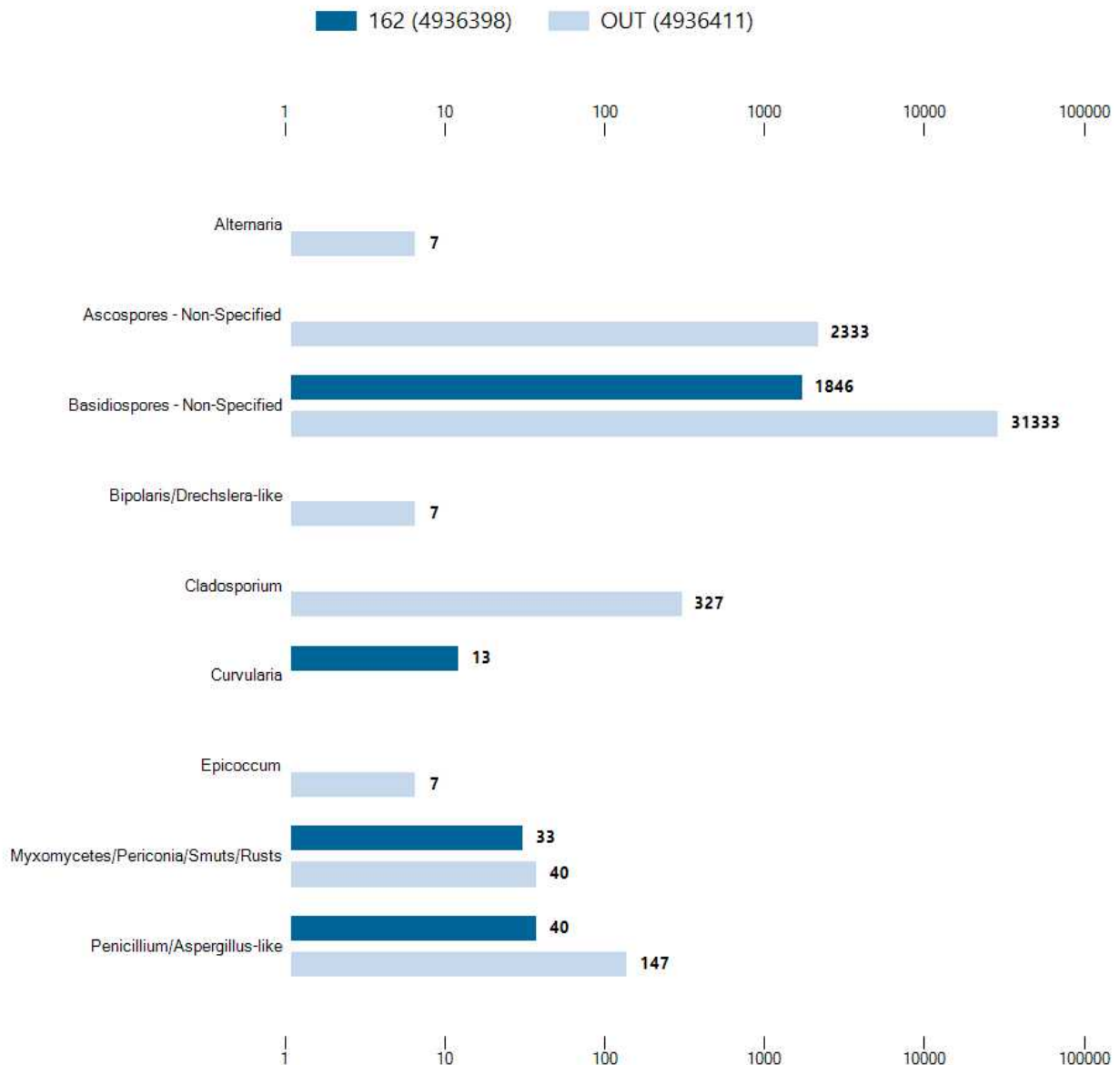
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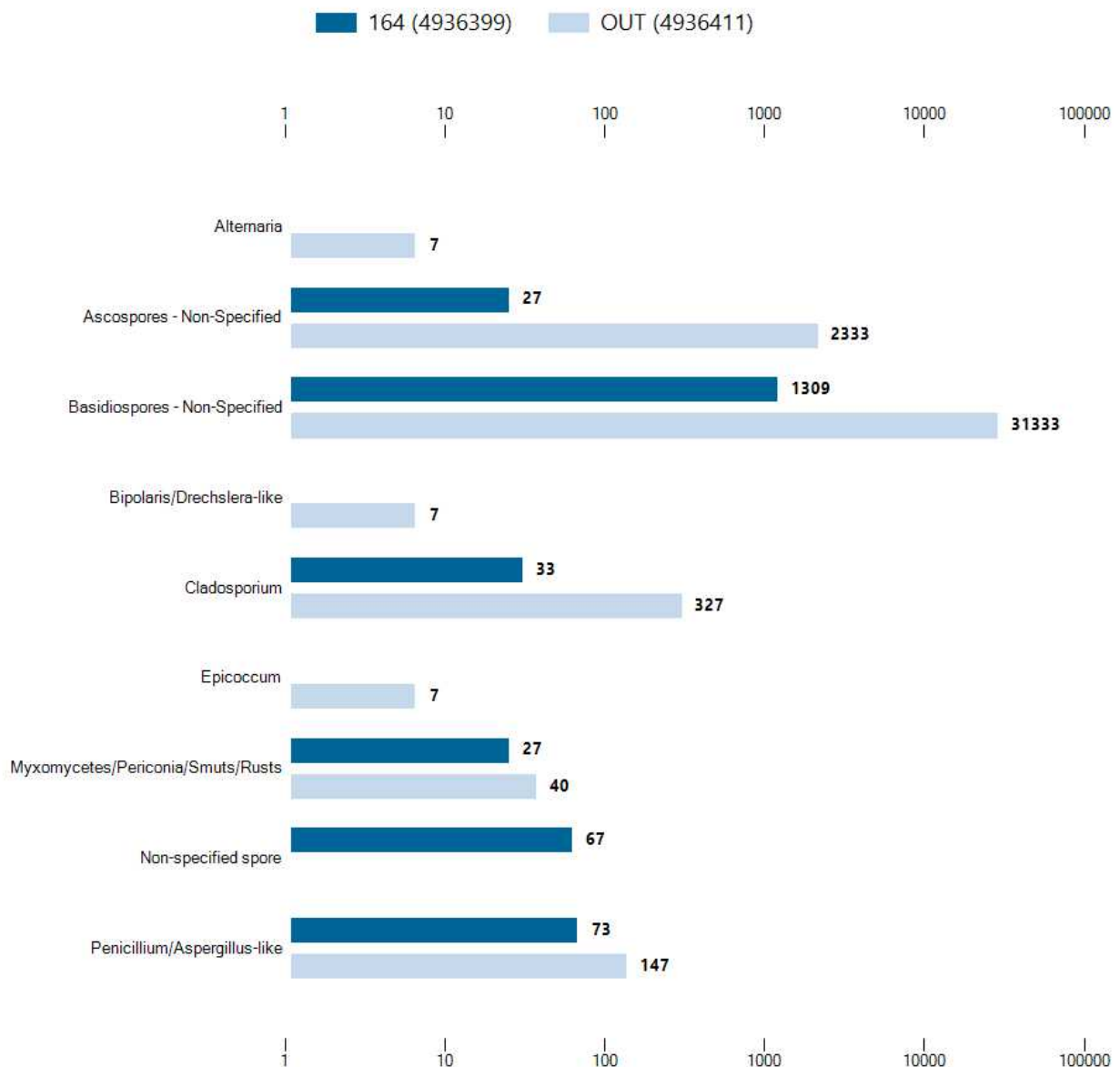
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Lab Code: 796273-1
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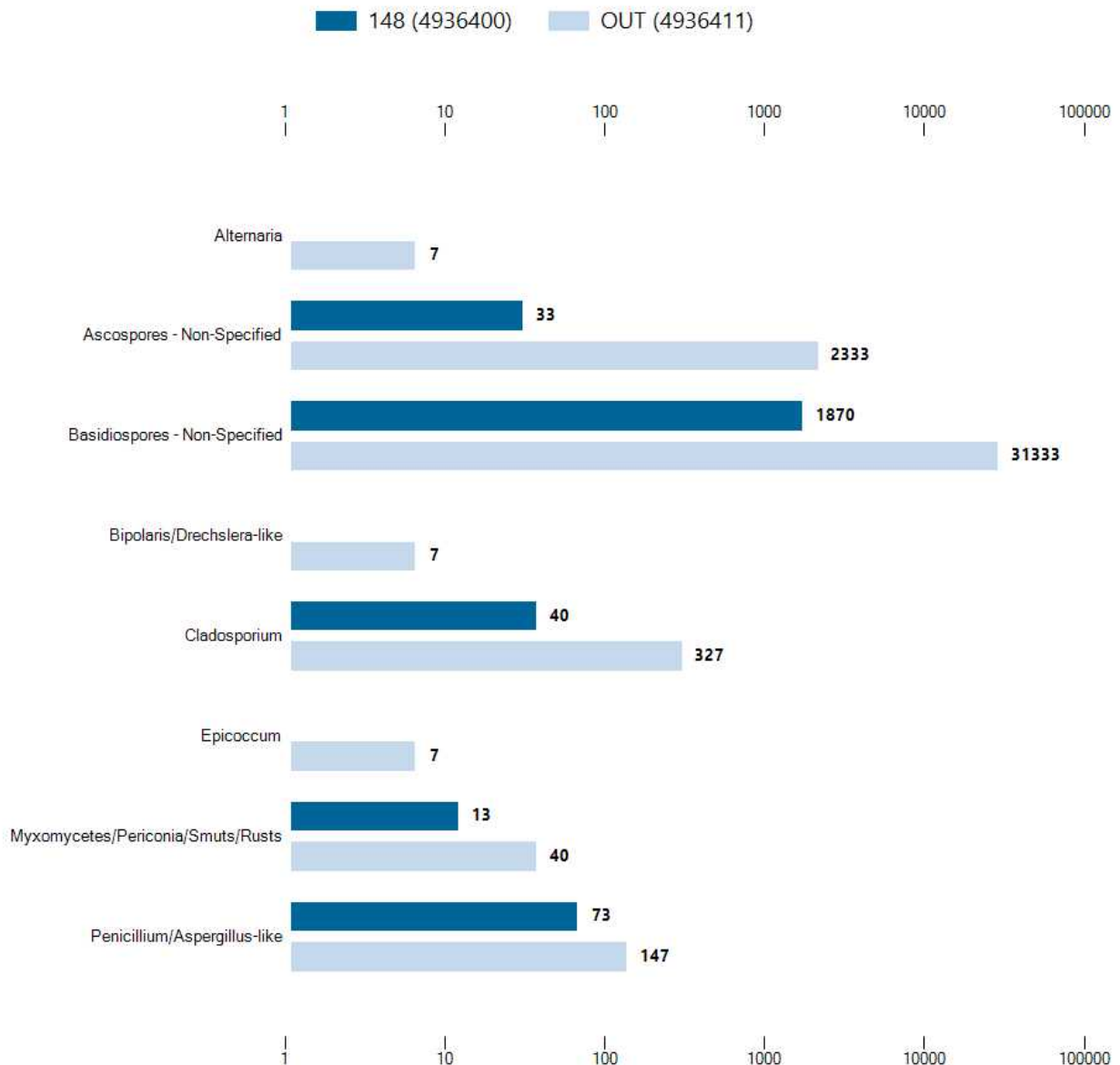
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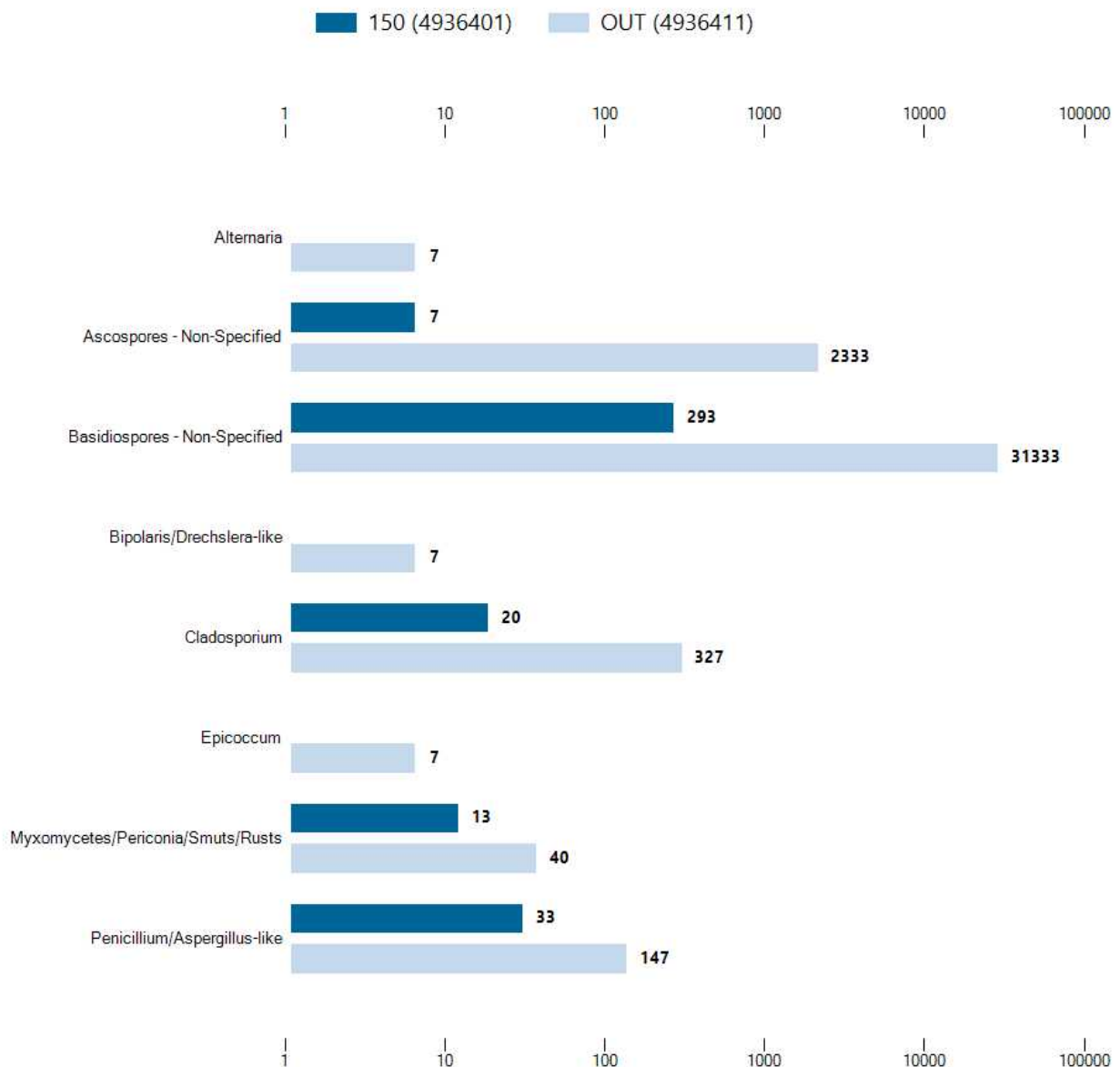
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Built Environment Testing

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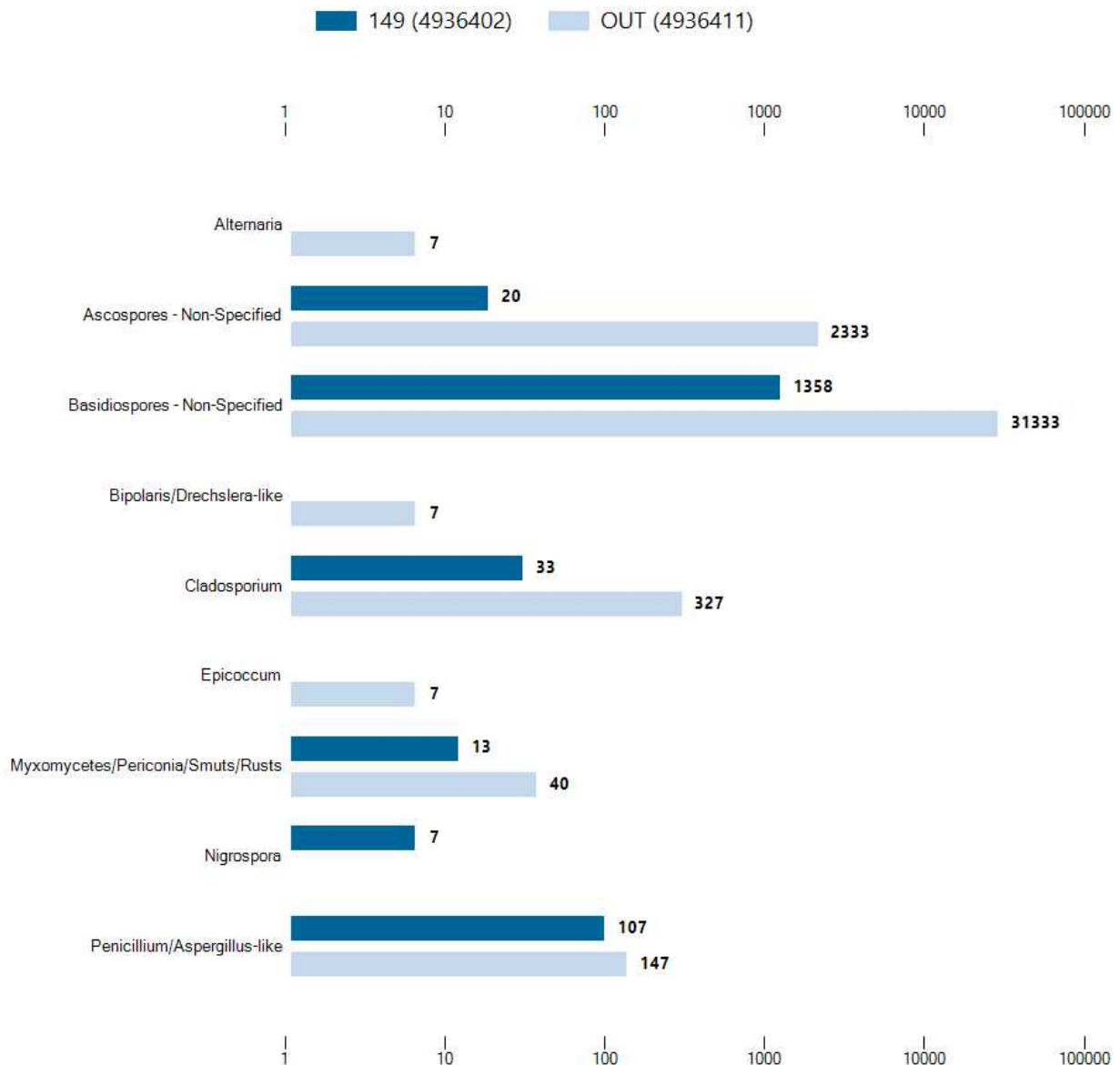
Client: Karl & Associates
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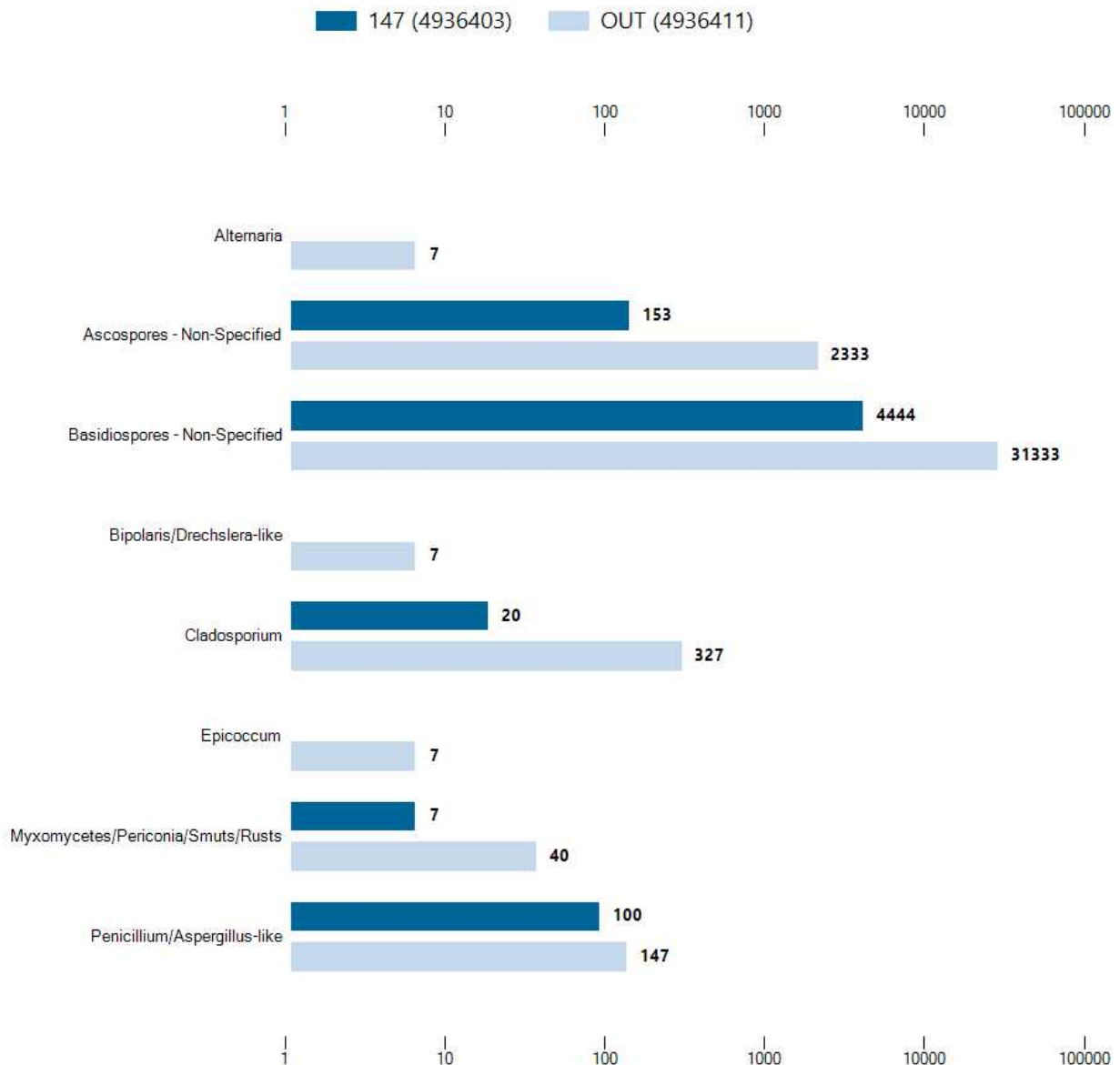
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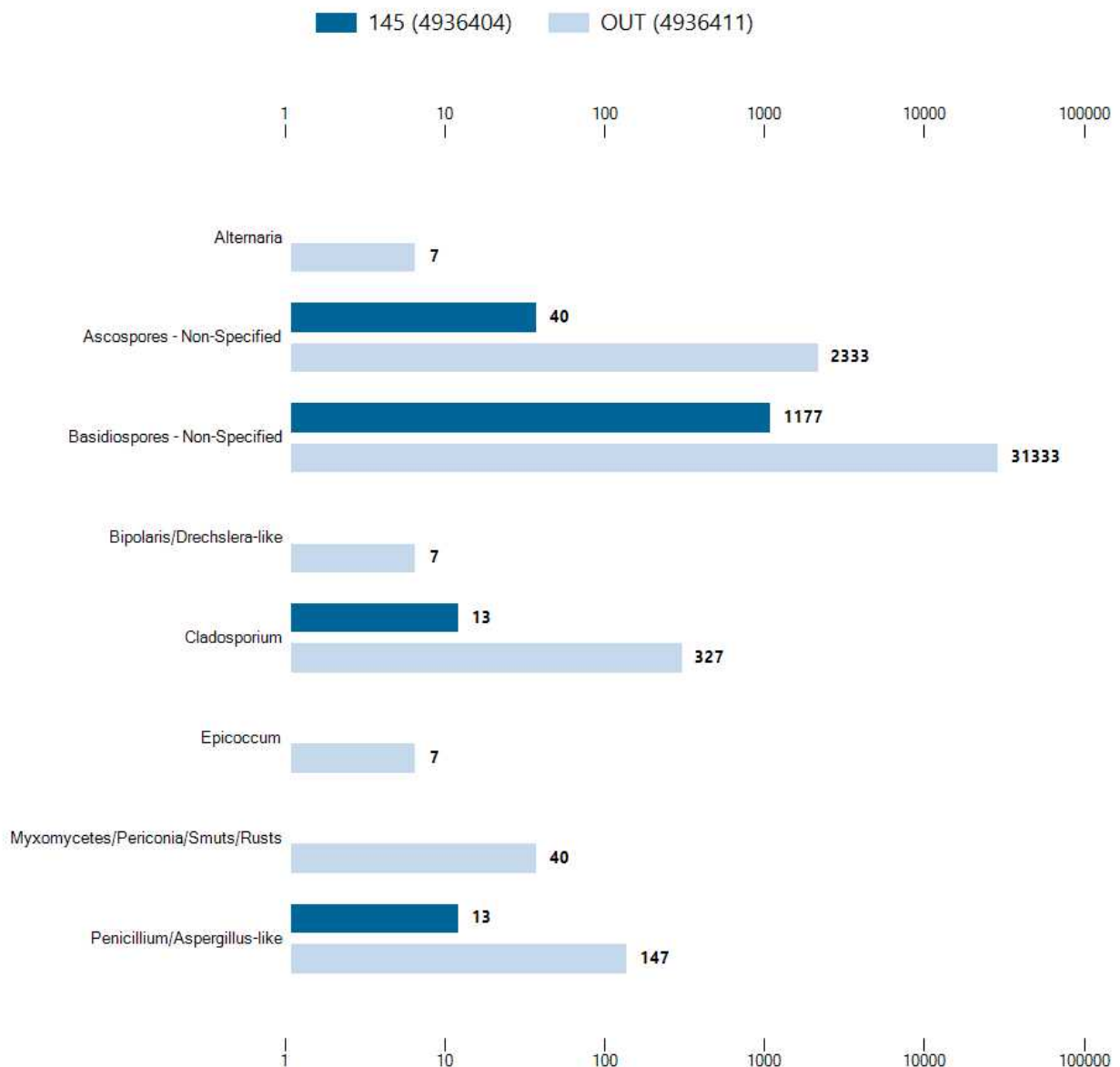
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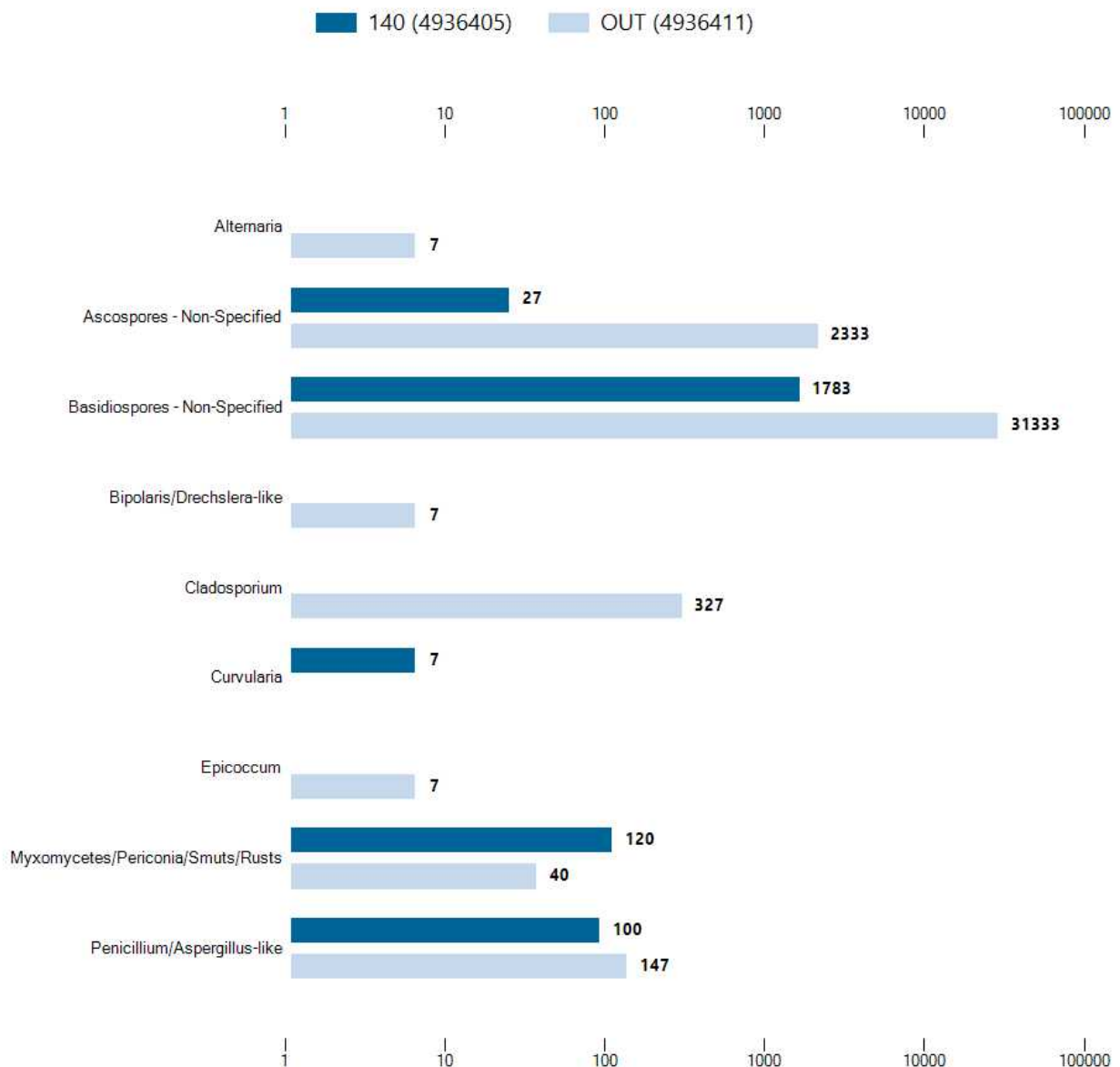
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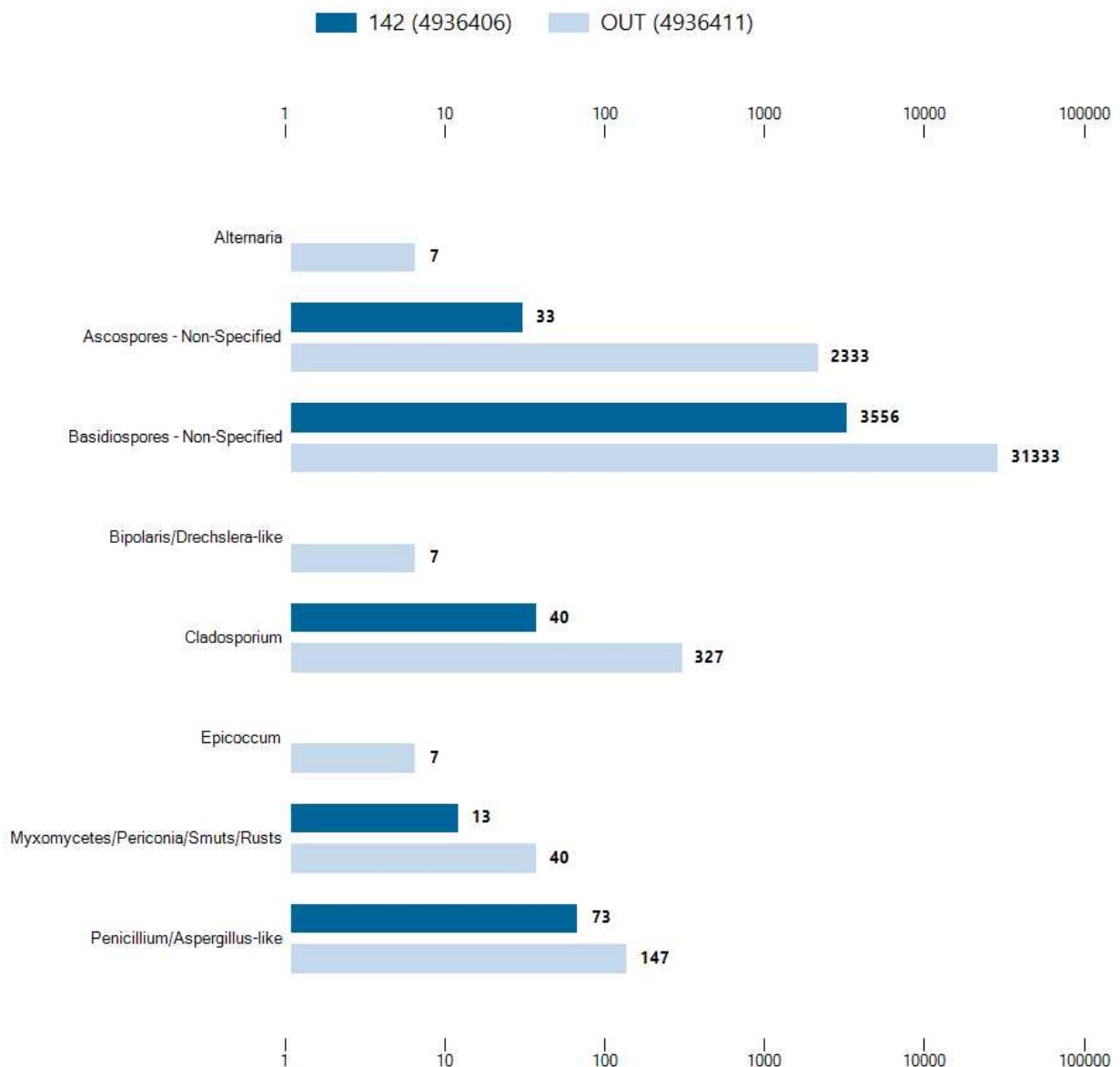
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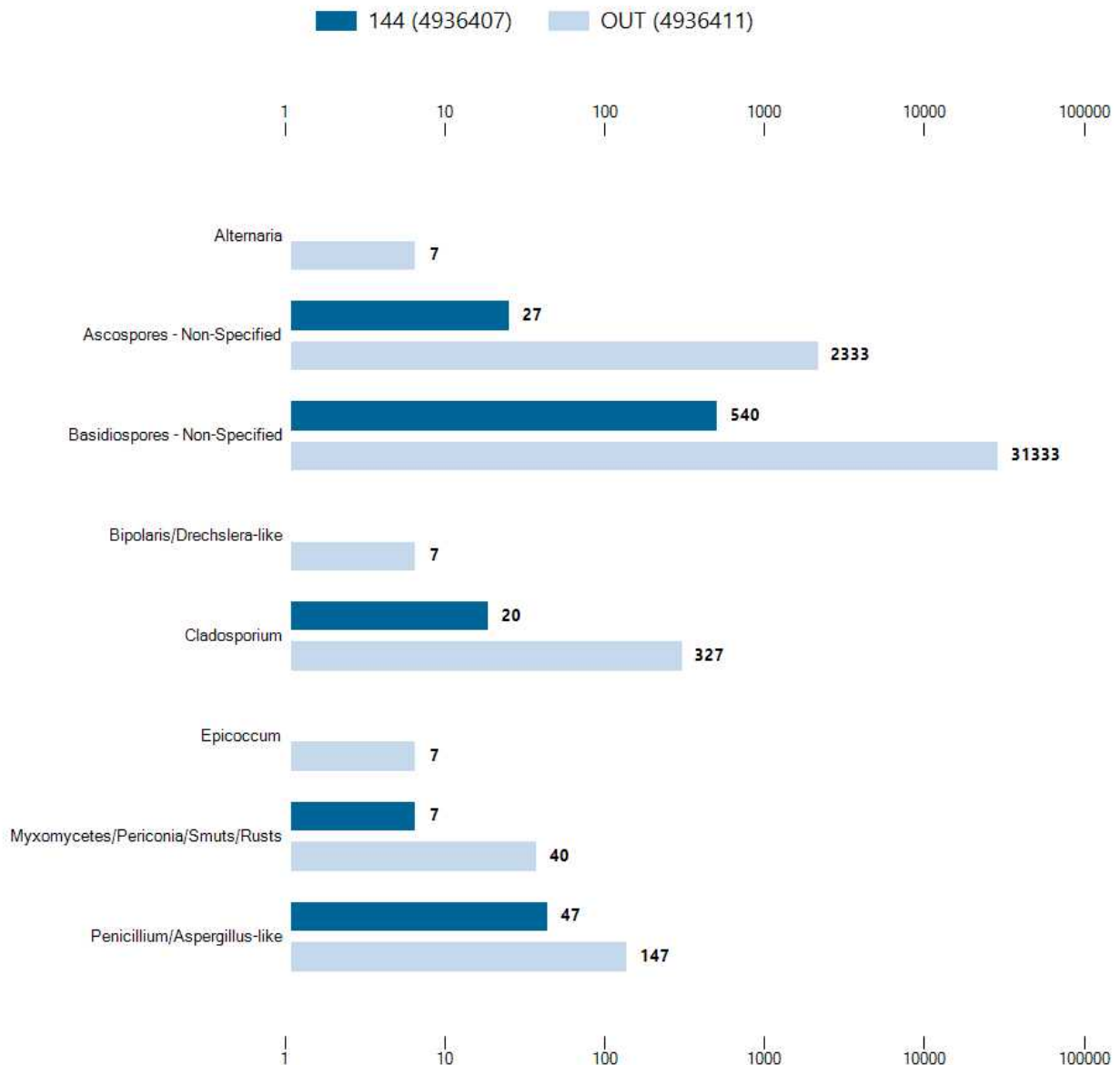
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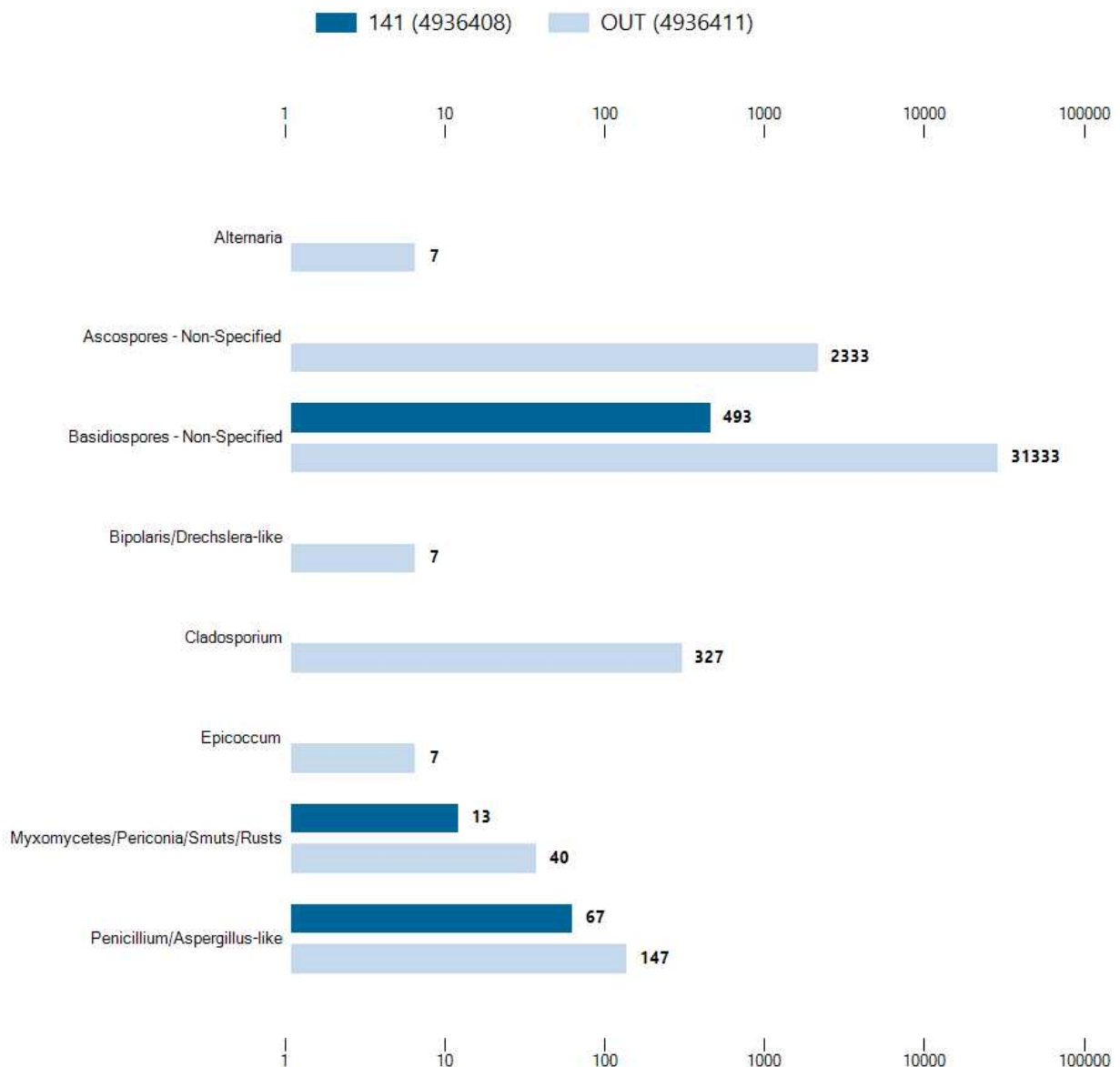
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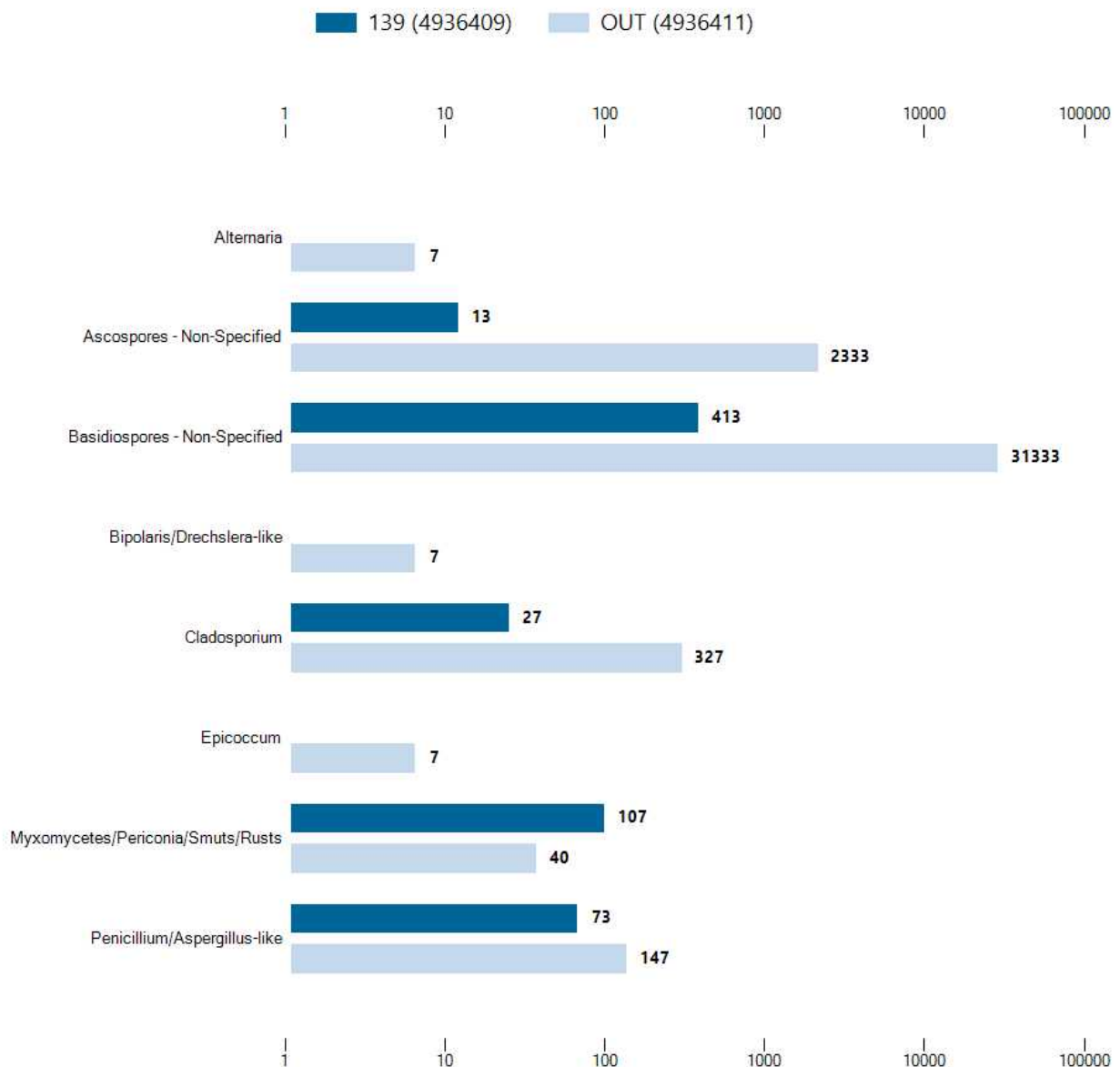
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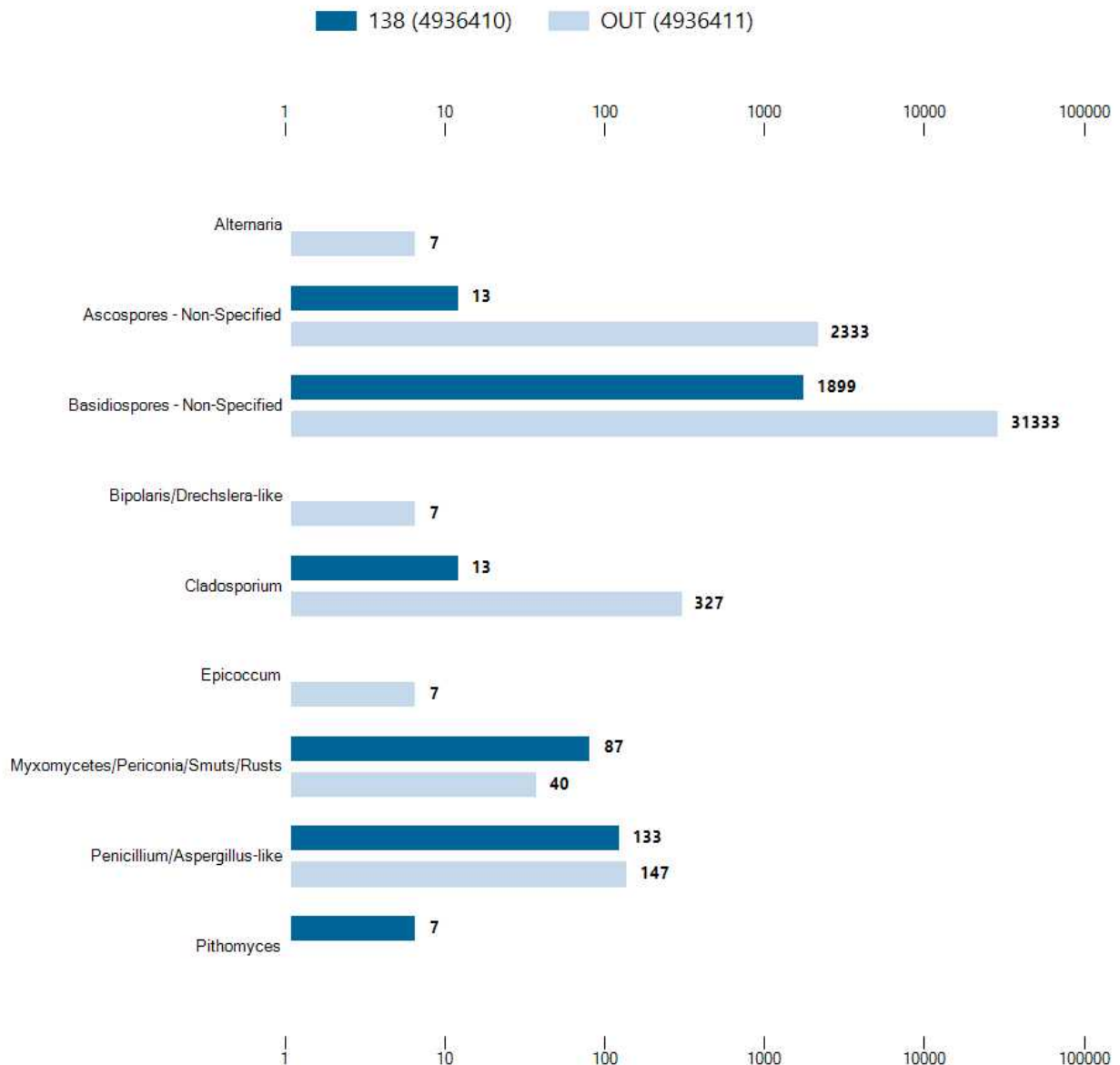
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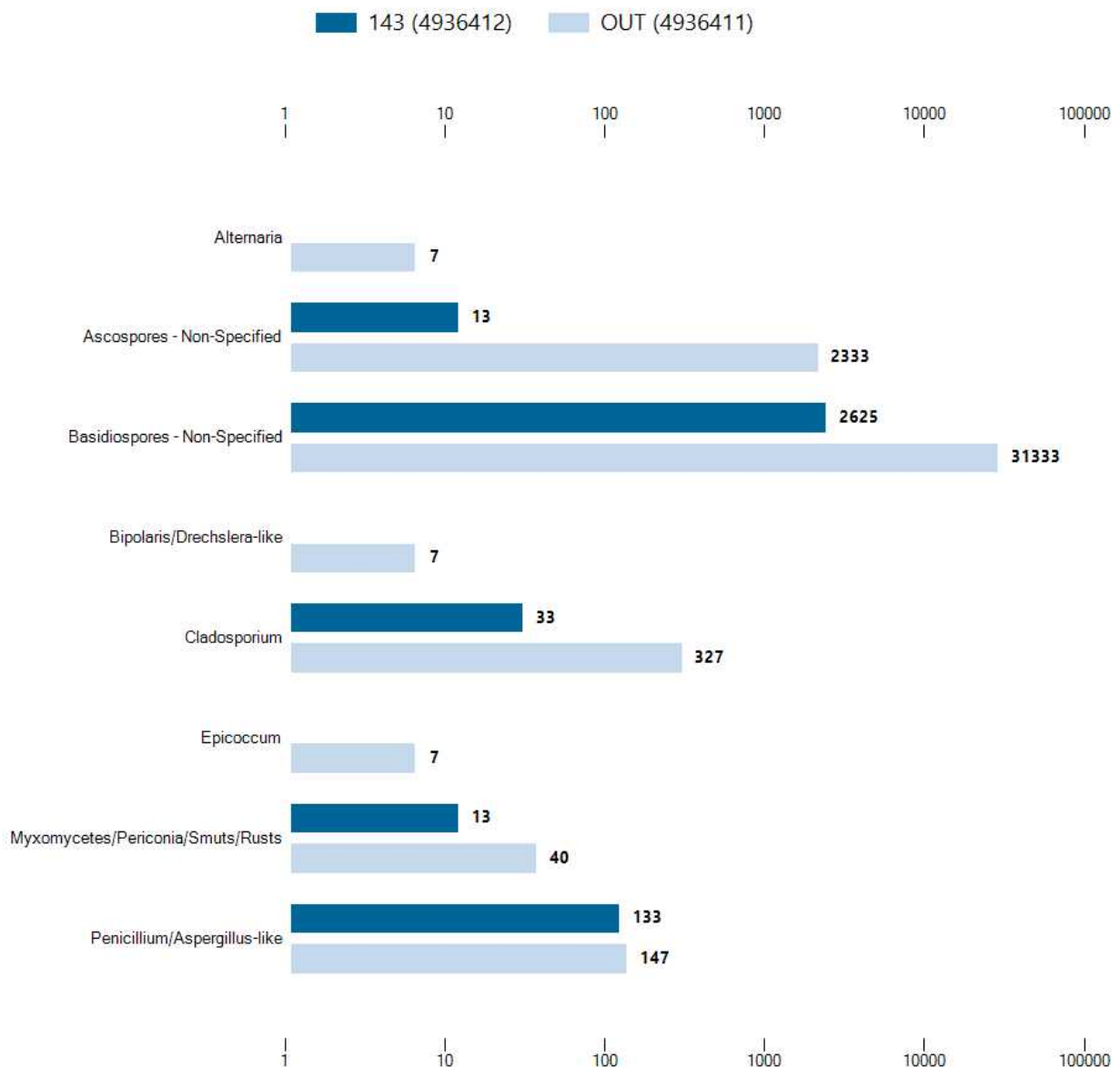
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Calculated spores per cubic meter



SPORE CLASSIFICATION:

For purposes of this report, identified mold spores are classified into three general categories depending on environmental conditions the spore is most commonly associated with:

- 1) PREDOMINANTLY OUTDOOR:** Most commonly found growing outdoors and are not usually associated with indoor mold sources.
- 2) INDOOR / OUTDOOR:** Commonly grow in both indoor and outdoor environments.
- 3) WATER INDICATOR:** Most commonly associated with indoor mold growth in buildings with long-term water intrusion issues.

**PREDOMINANTLY
OUTDOOR**

**INDOOR /
OUTDOOR**

**WATER
INDICATOR**

SPORE CLASSIFICATION:

Background debris is the amount of non-fungal particulates present in the trace including dust, fibers, skin scales, dust mites, and insect parts. A debris rating is assigned each trace from 0 (lowest) to 5 (highest). A higher debris rating means samples are more difficult to analyze, and spores, especially smaller spores like *Aspergillus* / *Penicilium*, may be obscured. Counts with debris ratings of 4 or 5 should be regarded as minimal counts with actual counts assumed to be significantly higher. A further explanation of the debris rating is listed below:

- 0 - None Detected.** No debris observed.
- 1 - Trace.** Field of view obscured < 5 %.Counts unaffected.
- 2 - Light.** Field of view obscured 5 % to 25 %.Counts slightly affected.
- 3 - Moderate.** Field of view obscured 25 % to 75 % .Actual counts may be higher than reported counts.
- 4 - Heavy.** Field of view obscured 75 % to 90 % .Actual counts may be significantly higher than reported counts.
- 5 - Very Heavy.** Field of view obscured > 90 % .Actual counts may be significantly higher than reported counts. Resampling may be necessary.

DEFINITION OF TERMS:

Analytical Sensitivity: Spore per cubic meter (concentration) divided by raw count.

Limit of Detection: One Spore

Hyphal Fragments: Hyphal fragments are broken pieces of fungal hyphae and constitute the vegetative structure of the fungus.

Pollen Count: Pollen grains(Pollen) are the male reproductive structures of Angiosperm plants. These are counted only as pollen and not classified to Genus level.

Raw Counts: The number of spores counted by the analyst.

% Analyzed: The amount of the trace that was analyzed for each individual spore type.If large amounts of any spore type(s) exist, counts may be extrapolated.

% of Total: Percentage of the sample that is made up of each spore type.

INDOOR AND OUTDOOR COMPARISONS:

There are no current Federal standards regarding permissible levels of airborne fungi that may be present in buildings. Mold spores are ubiquitous to our planet and it is expected that some spores will be present in normal indoor environments.A general guideline that is widely accepted in the industrial hygiene industry is that the types and numbers of mold spores present in the indoor environment should be similar to those present in the outdoor environment.If inside spore counts are significantly higher than outside counts this may indicate a potential mold problem.The comparison of outdoor and indoor spore types and concentrations is a useful tool in assessing abnormal mold contamination; however, it should not be the sole determining factor in evaluating health risks and remediation strategies.

	SPORE NAME	COMMON HABITAT	ALLERGENIC POTENTIAL	MYCOTOXIN POTENTIAL
Predominantly Outdoor	Alternaria	Soil, seeds, plants, carpet, textiles, window frames, air	X	X
	Arthrinium	Soil, plant materials, decaying wood	X	
	Ascospores - Non-Specified	Plants, soil, cellulose-containing materials, air		
	Basidiospores - Non-Specified	Soil, plants, wood, cellulose-containing materials, air		
	Bipolaris/Drechslera - Like	Grasses, plant material, decaying food, soil		
	Cercospora - Like	Plants		
	Curvularia	Soil, plant materials, cellulose-containing materials	X	
	Epicoccum	Plants, soil, seeds, carpet, air	X	
	Helicomyces*	Plants		
	Nigrospora	Plants, soil		
	Peronospora	Plants		
	Myxomycetes/Periconia/Smuts /Rusts	Plants, air	X	
	Pithomyces	Soil, plant material, air		
	Spegazzinia	Soil, plants		
	Stemphylium	Dead plants, cellulose-containing materials		
	Tetraploa	Plants		
	Torula	Soil, plants		
	Non-specified spore	Various		
Indoor/ Outdoor	Aspergillus/Penicillium - Like	Soil, food, carpet, HVAC, air	X	X
	Cladosporium	Plants, woody plants, food, soil, paint, textiles, carpet, HVAC, air	X	
	Fusarium	Soil, plants, seed, fruits, grains		X
Water Indicator	Chaetomium	Cellulose-containing materials, soil, seeds, dung	X	X
	Stachybotrys	Paper, wallpaper, gypsum board	X	X
	Trichoderma - Like	Soil, decaying wood, plant material, cellulose-containing materials	X	X
	Ulocladium	Soil, grasses, wood, paper		

* Heliocomyces includes Helicosporium

METHOD: CEI Method 110

All samples received in acceptable condition. Information provided by customer includes customer sample ID, location and volume. Analytical results are not corrected for field and laboratory blanks.

Eurofins Built Environment Testing East, LLC bears no responsibility for client sampling methods and makes no warranty representation regarding the accuracy of client-supplied information in preparing and presenting analytical results. Eurofins Built Environment Testing East, LLC maintains liability limited to the cost of analysis, except for Eurofins Built Environment Testing East, LLC's own willful misconduct or gross negligence. Interpretation of the analytical results is the sole responsibility of the customer. Test results relate only to the items tested and cannot be extrapolated to anything larger than their original intent. This report may not be reproduced, except in full, without written approval by Eurofins Built Environment Testing East, LLC.

The overall intralaboratory relative standard deviation (Sr) for the lab = 0.2.

Spore count range	10-100	101-350	>350
Intralaboratory Sr	0.25	0.2	0.1



Stephen Baker
Analyst

DATA QA:



Eva Leslie
10/27/2026

APPROVED BY:



Kamila Reichert,
Laboratory Director

SUBMITTED BY	INVOICE TO	CONTACT INFORMATION	SERIES
Company: Karl & Associates	Company: Karl & Associates	Contact: Angela Meas	-1 Micro Standard
Address: 20 Lauck Road	Address: 20 Lauck Road	Phone: (610) 856-7700	
Mohnton, PA 19540	Mohnton, PA 19540	Fax:	
		Cell: (484) 345-9846	
Project Number and/or P.O. #: 26-0866	Project Zip Code:	Final Data Deliverable Email Address:	
Project Description/Location: Montgomery BOE Orchard Hill School		ameas@karlenv.com (+ 8 ADDNL. CONTACTS)	

ASBESTOS LABORATORY					REQUESTED ANALYSIS							VALID MATRIX CODES							LAB NOTES	
PLM / PCM / TEM / NYS DTL RUSH PRIORITY STANDARD					PLM TEM PCM NYS DUST METALS ORGANICS VIABLES MEDICAL MOLD - Spore Trap Analysis (ASTM D7391-20)							Air = A			Bulk = B					
												Dust = D			Food = F					
CHEMISTRY LABORATORY												Paint = P			Soil = S					
Dust RUSH PRIORITY STANDARD												Surface = SU			Swab = SW					
												Tape = T			Wipe = W					
Metals RUSH PRIORITY STANDARD *PRIOR NOTICE REQUIRED FOR SAME DAY TAT												Drinking Water = DW								
												Waste Water = WW								
Organics* SAME DAY RUSH PRIORITY STANDARD												**ASTM E1792 approved wipe media only**								
MICROBIOLOGY LABORATORY												Sample Volume (L) / Area	Sample Temperature (°C)	Length(or Aliquots) x Width(or Area)/Aliquot	Matrix Code	# of Containers	Date Collected mm/dd/yy	Time Collected hh:mm		Laboratory Analysis Instructions
Viable Analysis** PRIORITY STANDARD **TAT DEPENDENT ON SPEED OF MICROBIAL GROWTH																				
Medical Device Analysis RUSH STANDARD																				
Mold Analysis RUSH PRIORITY STANDARD																				
Turnaround times establish a laboratory priority, subject to laboratory volume and are not guaranteed. Additional fees apply for afterhours, weekends and holidays.																				
Special Instructions:					Client Sample ID Number <small>(Sample ID's must be unique)</small>	ASBESTOS	CHEMISTRY	MICROBIOLOGY	ICO	Sample Volume (L) / Area	Sample Temperature (°C)	Length(or Aliquots) x Width(or Area)/Aliquot	Matrix Code	# of Containers	Date Collected mm/dd/yy	Time Collected hh:mm	Laboratory Analysis Instructions			
1 ECC 1																				
2 ECC 2																				
3 ECC 3																				
4 ECC 4																				
5 ECC 5																				
6 ECC 6																				
7 ECC 7																				
8 ECC 8																				
9 ECC TP																				
10 ECC O																				
11 ECC CHILL																				
12 137																				
13 146																				

Eurofins Built Environment Testing East, LLC establishes a unique Lab Sample ID, for each sample, by preceding each unique Client Sample ID with the laboratory RES Job Number.

Eurolife Built Environment Testing East, LLC will analyze incoming samples based on information received and will not be responsible for errors or omissions in calculations resulting from the inaccuracy of original data. By signing, client/company representative agrees that submission of the following samples for requested analysis as indicated on this Chain of Custody shall constitute an analytical services agreement with payment terms of NET30. Failure to comply with payment terms may result in a 18% APR finance charge.

Indicated on this Chain of Custody shall constitute an analytical services agreement with payment terms of NET 150. Failure to comply with payment terms may result in a 10% AP-R finance charge.			
Relinquished By:		Date/Time: 10/20/2026 14:35:44	Sample Condition: Acceptable
Received By:	 Olivia Zlotnicki	Date/Time: 10/20/2026 14:35:44	Carrier: Fed-Ex



Built Environment Testing

RES Job #: **796273**

Submitted By: **Karl & Associates**



Built Environment Testing

RES Job #: 796273

Submitted By: Karl & Associates

Client Sample ID Number	REQUESTED ANALYSIS										VALID MATRIX CODES							LAB NOTES
	ASBESTOS	CHEMISTRY	MICROBIOLOGY			ICO	Sample Volume (L) / Area	Sample Temperature (°C)	Length (or Aliquots) x Width (or Area/Aliquot)	Matrix Code	# of Containers	Date Collected mm/dd/yy	Time Collected hh:mm	Laboratory Analysis Instructions				
14 160						X	150L		A									
15 MO						X	150L		A									
16 153						X	150L		A									
17 79						X	150L		A									
18 161						X	150L		A									
19 155						X	150L		A									
20 157						X	150L		A									
21 156						X	150L		A									
22 151						X	150L		A									
23 152						X	150L		A									
24 154						X	150L		A									
25 158						X	150L		A									
26 EGYM						X	150L		A									
27 162						X	150L		A									
28 164						X	150L		A									
29 148						X	150L		A									
30 150						X	150L		A									
31 149						X	150L		A									
32 147						X	150L		A									
33 145						X	150L		A									
34 140						X	150L		A									
35 142						X	150L		A									
36 144						X	150L		A									
37 141						X	150L		A									
38 139						X	150L		A									
39 138						X	150L		A									
40 OUT						X	150L		A									
41 143						X	150L		A									

Karl & Associates
Sample Locations

RES #: 796273
Project Number and/or P.O. #: 26-0866
Project Description/Location: Montgomery BOE Orchard Hill School

Client Sample ID	Sample Location
ECC 1	ECC Room 1
ECC 2	ECC Room 2
ECC 3	ECC Room 3
ECC 4	ECC Room 4
ECC 5	ECC Room 5
ECC 6	ECC Room 6
ECC 7	ECC Room 7
ECC 8	ECC Room 8
ECC TP	ECC Teacher Prep
ECC O	ECC Offices
ECC CHILL	ECC Chill Room
137	Room 137 - Tech Room
146	Room 146
160	Room 160
MO	Main Office
153	Room 153
79	Room 79
161	Room 161
155	Room 155
157	Room 157
156	Room 156
151	Room 151
152	Room 152
154	Room 154
158	Room 158
EGYM	East Gym

**Karl & Associates
Sample Locations**

RES #: 796273
Project Number and/or P.O. #: 26-0866
Project Description/Location: Montgomery BOE Orchard Hill School

162	Room 162
164	Room 164
148	Room 148
150	Room 150
149	Room 149
147	Room 147
145	Room 145
140	Room 140
142	Room 142
144	Room 144
141	Room 141
139	Room 139
138	Room 138
OUT	Outside
143	Room 143

Phone: (610) 856-7700

Fax: (610) 856-5040

KARL ENVIRONMENTAL GROUP
Chain of Custody—Mold Spore Analysis

796273 (41)

20 Lauck Road
Mohnton, PA 19540

Karl/K&A Job # :	26-0866	Project Location :	Orchard Hill School
Date of Sample :	10/16/26	Project Manager :	Angea Meas
Project Client :	Montgomery BOE	Email :	ameas@karlenv.com

Turn-Around Time

☐ 4 Hour
 ☐ 8 Hour
 ☐ 24 Hour
 ☐ 48 Hour
 ☒ 3-5 Days
 ☐ 7-14 Days
 ☐ Other _____

SAMPLE IDENTIFICATION NUMBER	DATE	Sample Location / Description	Sample Volume	Analysis	Air	Tape Lift	Swab
ECC1	10/16/26	ECC Room 1	150L	mold spore	X		
ECC2		ECC Room 2	150L		X		
ECC3		ECC Room 3	150L		X		
ECC4		ECC Room 4	150L		X		
ECC5		ECC Room 5	150L		X		
ECC6		ECC Room 6	150L		X		
ECC7		ECC Room 7	150L		X		
ECC8		ECC Room 8	150L		X		
ECC TP		ECC Teacher Prep	150L		X		
ECC O		ECC Offices	150L		X		
ECC CHIL		ECC Chill Room	150L		X		
137		Room 137 - Tech Room	150L		X		
146		Room 146	150L		X		
160		Room 160	150L		X		

Lab: Eurofins CEI

Relinquished By:	Date/Time:	Notes:
	10/16/26	Page 1
Received by:	Date/Time:	
OK2	10/20/26 10:26 AM	OK2

Phone: (610) 856- 7700

Fax: (610) 856-5040

KARL ENVIRONMENTAL GROUP

Chain of Custody—Mold Spore Analysis

20 Lauck Road

Mohnton, PA 19540

Karl/K&A Job # :	26-0866	Project Location :	Orchard Hill School
Date of Sample :	10/16/26	Project Manager :	Angela Meers
Project Client :	Montgomery BOE	Email :	ameers@karlenv.com

Turn-Around Time

☐ 4 Hour
 ☐ 8 Hour
 ☐ 24 Hour
 ☐ 48 Hour
 ☒ 3-5 Days
 ☐ 7-14 Days
 ☐ Other _____

SAMPLE IDENTIFICATION NUMBER	DATE	Sample Location / Description	Sample Volume	Analysis	Air	Tape Lift	Swab
MO	10/16/26	Main Office	150L	mold spore	X		
153		Room 153	150L		X		
79		Room 79	150L		X		
161		Room 161	150L		X		
155		Room 155	150L		X		
157		Room 157	150L		X		
156		Room 156	150L		X		
151		Room 151	150L		X		
152		Room 152	150L		X		
154		Room 154	150L		X		
158		Room 158	150L		X		
EGYM		East Gym	150L		X		
162		Room 162	150L		X		
164		Room 164	150L	✓	X		

Lab: Eurobins CEI

Relinquished By:	Date/Time:	Notes:
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Phone: (610) 856-7700

Fax: (610) 856-5040

KARL ENVIRONMENTAL GROUP

Chain of Custody—Mold Spore Analysis

20 Lauck Road

Mohnton, PA 19540

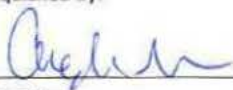
Karl/K&A Job # :	26-0866	Project Location :	Orchard Hill School
Date of Sample :	10/16/26	Project Manager :	Angela Meas
Project Client :	Montgomery BOE	Email :	ameas@karlenv.com

Turn-Around Time

☐ 4 Hour
 ☐ 8 Hour
 ☐ 24 Hour
 ☐ 48 Hour
 ☒ 3-5 Days
 ☐ 7-14 Days
 ☐ Other _____

SAMPLE IDENTIFICATION NUMBER	DATE	Sample Location / Description	Sample Volume	Analysis	Air	Tape Lift	Swab
148	10/16/26	Room 148	150L	mold spore	X		
150		Room 150	150L		X		
149		Room 149	150L		X		
147		Room 147	150L		X		
145		Room 145	150L		X		
140		Room 140	150L		X		
142		Room 142	150L		X		
144		Room 144	150L		X		
141		Room 141	150L		X		
139		Room 139	150L		X		
138		Room 138	150L		X		
OUT		Outside	150L		X		
143		Room 143	150L		X		
			150L		X		

Lab: EuroFins CEI

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