

### Actualización sobre la calidad del aire interior

8 de enero de 2024

Estimadas familias y personal,

Le escribimos para actualizarle sobre las preocupaciones con respecto a la presencia de moho en la Escuela Intermedia Boushall. La seguridad y el bienestar de nuestros estudiantes y el personal es nuestra máxima prioridad y queremos asegurarnos de que usted esté bien informado sobre la situación.

Para evaluar con precisión el alcance del problema, se contrató a una empresa profesional de análisis de moho para realizar pruebas integrales de todas las salas accesibles del edificio. Se adjunta un informe detallado de los resultados en el que se describen los tipos y niveles de moho identificados, así como las medidas de reparación recomendadas. Les animamos a revisar este informe para comprender mejor la situación. Antes de continuar, queremos señalar que, <u>aunque hay algo de moho en el edificio, la empresa que realizó las pruebas indicó que el edificio es seguro para su ocupación.</u>

En respuesta a los resultados, hemos tomado y seguiremos tomando las siguientes medidas:

- Mitigación inmediata: Hemos completado las medidas de remediación, incluyendo el aislamiento, la limpieza y la desinfección de las zonas afectadas, y la aplicación de medidas mejoradas de ventilación y control de la humedad.
- Supervisión continua: Nuestro Departamento de Mantenimiento seguirá supervisando las zonas afectadas y realizará inspecciones de seguimiento con regularidad para garantizar que el moho se elimine de forma eficaz y que el edificio continúe siendo seguro.
- Comunicación: Nos comprometemos a mantenerles informados a lo largo de este proceso y les proporcionaremos actualizaciones cuando sea necesario. Si tiene alguna pregunta o duda, póngase en contacto con nosotros.

Sabemos que la presencia de moho en cualquiera de nuestras escuelas es motivo de preocupación, y queremos asegurarle que estamos tomando todas las medidas necesarias para resolver el problema de manera pronta y efectiva. Si tiene alguna pregunta o necesita más información, no dude en ponerse en contacto con nosotros.

Gracias por su comprensión y cooperación mientras trabajamos para mantener un ambiente de aprendizaje seguro y saludable para nuestros estudiantes y personal.

Atentamente,

Jason Kamras Superintendente



#### **Environmental Consulting Services**

7834 Forest Hill Avenue, Suite 7, Richmond, Virginia 23225 ph 804.716.0560 fax 804.918.7098 web FranceEnv.com

January 3, 2024

**City of Richmond Public Schools** 

Department of Facility Service 1461 A Commerce Road Richmond, Virginia 23224

ATTN.: Mr. Ronald Hathaway Jr. Director of Facilities

RE: Comprehensive Moisture & Mold Sampling Report *Thomas C. Boushall Middle School (All Rooms)* 

3400 Hopkins Road Richmond, Virginia 23224

FEI Project Number: FEI-23MI505

Dear Mr. Hathaway:

In accordance with your request, a Moisture & Mold Assessment has been performed at the above referenced academic facility. France Environmental, Inc. (FEI) is providing this letter report summarizing our findings and sample results from the fieldwork conducted on November 07, 2023. The investigation was performed by FEI Industrial Hygienists, Mr. Andrew H. Baird, Mr. Kshan X. Sims and Mr. Lee Pulliam.

The scope of this assessment was to test for identifiable conditions, if any, that may be affecting the quality of the air in the subject space. This report is a follow-up investigation FEI performed in 2023. The assessment included a visual inspection of each room and air sampling for airborne fungi (mold) spores. At the client's request, air samples were collected from each accessible classroom, office, and academic space within the building. Please find attached with this letter the Laboratory Results; Sample Location Drawings; Photographs of Site Conditions; and Fungal Types/Groups Chart for the air sampling performed.

#### **VISUAL OBSERVATIONS:**

France Environmental, Inc. performed a visual assessment of the interior areas of the subject spaces. The visual inspection was focused on potential indicators of IAQ problems and specifically included areas of visible water damage and visible mold growth. Specific items of interest observed during the inspection are described below:

- Moisture stained lay-in ceiling tiles were observed throughout the building. Staining appears to be from HVAC duct / diffuser condensation and / or past or current pipe and/or roof leaks.
- Ceiling HVAC diffusers and associated ceiling tiles were observed with a light to moderate dust load.
- Visible mold growth was observed on lay-in ceiling tiles in the following locations:
  - 2<sup>nd</sup> Floor Rooms 205, 210, 226, 266, 284, 290 and Hallway A
- Suspect Mold Growth was observed on the Metal Gym Ceiling. However, the height of the ceiling prevented the inspectors from reaching it to investigate further.

#### **TOTAL FUNGAL AIR SAMPLING:**

A total of one-hundred fourteen (114) spore trap air samples were collected from the following areas:

- All Classrooms, Offices, Common Areas, Kitchen, Gym, Locker Rooms, Break Rooms, and Media Center
- Three (3) exterior samples were collected outside the building for comparison purposes. These samples were collected throughout the day and included a pre-sample before interior air samples were collected, mid-day air sample, and a post interior air sample.

The air samples were collected at an airflow rate of five (5) liters per minute for five (5) minutes totaling twenty-five (25) liters of air.

#### The results of the air samples collected and analyzed are as follows:

 The results of the air samples collected did not indicate airborne fungal amplification when compared to the outside building samples at the time of the air sampling. (Please Refer To "Mold Air Cassette Sample Analysis Laboratory Results" Appendix)

Microbiological interpretation of sample results poses a challenge for the health and safety professionals as there are at present no strict numerical guidelines which are appropriate for assessing whether microbial levels inside buildings are "safe" or "normal" spore levels. There are currently no regulatory standards for evaluating airborne fungi concentrations for this or any other facility. As these organisms are present everywhere the standard of care is to perform a risk-based analysis. In general, industry standards effective interpretation is based on the comparison of indoor and outdoor samples. In "Clean" buildings, total airborne spore concentrations are generally less than outdoor spore concentrations with similar genera identified within each environment. The presence or absence of a few non-moisture indicator genera in small numbers (<1,000 Counts/M3) identified within interior building areas should not be considered abnormal. However, the presence of moisture indicator mold spores (Chaetomium; Stachybotrys; Rhodotorula; Trichoderma; and Scopulariopsis) in any significate amounts may indicate chronic moisture intrusion issues and confirmation that molds have colonized and are amplifying within the building. A trace of Chaetomium sp. was found in one sample collected from the 1st Floor, Boys Coaches Office. The airborne counts of Chaetomium sp. were not of significant concentration to be a concern at this time.

#### **COMFORT PARAMETER TESTING:**

FEI also conducted Comfort Parameter Sampling which included Temperature and Relative Humidity by utilizing electronic recording monitors (EXTECH Model 445580 Humidity/Temperature Pen). Measurements were collected throughout the building during the inspection. Description of recommended levels and comfort parameter results are found below.

#### TEMPERATURE (T)

The measurement of the air temperature is used to determine comfort level parameters associated with the indoor environment. The measuring device was used to collect the temperature in each of the rooms inspected. The American Society of Heating, Refrigerating and Air-conditioning Engineers, Inc. (ASHRAE) provides guidance on comfort ranges for temperature depending on the season. These numbers generally range from 68 to 75 Degrees Fahrenheit (°F) during the winter months and from 73 to 79°F during the summer months. These ranges should be acceptable for

sedentary or slightly active persons. The temperatures measured in the building ranged from 67.4 to 80.7°F. The temperatures measured outside were 60.2°F in the morning, 72.6°F mid-day and 79.1°F in the afternoon.

#### RELATIVE HUMIDITY (RH)

Measurement of the relative humidity are used to indicate comfort level parameters associated with the indoor air. Overly dry or overly humid air are indicators of air quality issues caused by the HVAC system. ASHRAE has set standards that present guidelines for human occupation. Relative humidity levels below 30% are associated with increased discomfort and drying of the mucus membranes and skin. High humidity can result in condensation and the subsequent development of mold and fungi along with the increase of dust mite propagation. Ideal indoor relative humidity for winter months is 35%, while 50% is optimal in the summer months. Relative humidity levels ≤65% are considered acceptable by ASHRAE standards. The relative humidity levels within the subject building at the time of the sampling ranged from 30.6 to 44.9%. The outside humidity readings were 53.7% in the morning, 41.0% mid-day and 40.0% in the afternoon.

#### **CONCLUSIONS/RECOMMENDATIONS:**

- The airborne fungal spore levels for the indoor air samples at the time of this sampling event do not indicate active amplification of fungal spores based on comparison to the outdoor fungal spore levels.
- Visible mold-impacted ceiling tiles were observed in classrooms 205, 210, 226, 266, 284, 290 and Hallway "A". It is recommended these ceiling tiles be removed and the surrounding ceiling grid surfaces cleaned in accordance with industry standard mold remediation procedures, such as those outlined in the U.S. Environmental Protection Agency (EPA) publication Mold Remediation in Schools and Commercial Buildings (September 2008).
- As part of an on-going maintenance program, it is recommended that water-stained ceiling tiles, when identified, be investigated to determine the water source and try and correct / reduce the source of the moisture.
- As part of the on-going maintenance & custodial activities, it is recommended that HVAC ceiling diffusers be cleaned (HEPA Vacuumed and wiped down) periodically throughout the year.
- To improve the perception of the buildings indoor air quality, the school system may consider replacing water stained and/or dirty ceiling tiles as an on-going maintenance item.
- As part of the on-going maintenance program, it is recommended HVAC filters and air filtration machines are maintained in good condition with preventative maintenance in accordance with the manufacturer's recommendations.

It is important to note that the reported microbial levels are only reflective of conditions at the time of this test and that microbial populations can vary over time, depending upon a number of conditions, including environmental factors, i.e., temperature and relative humidity. FEI, by virtue of providing the services described in this report, does not assume the responsibility of the person(s) in charge of the site, or otherwise undertake responsibility for reporting to any local, state or federal public agencies any conditions at the site that may present a potential danger to public health, safety, or the environment.

Thank you for choosing FEI as your consultant for this project. If you have any questions, or if we can be of additional service, please contact the undersigned at 804.716.0560.

Respectfully submitted,

#### FRANCE ENVIRONMENTAL, INC.

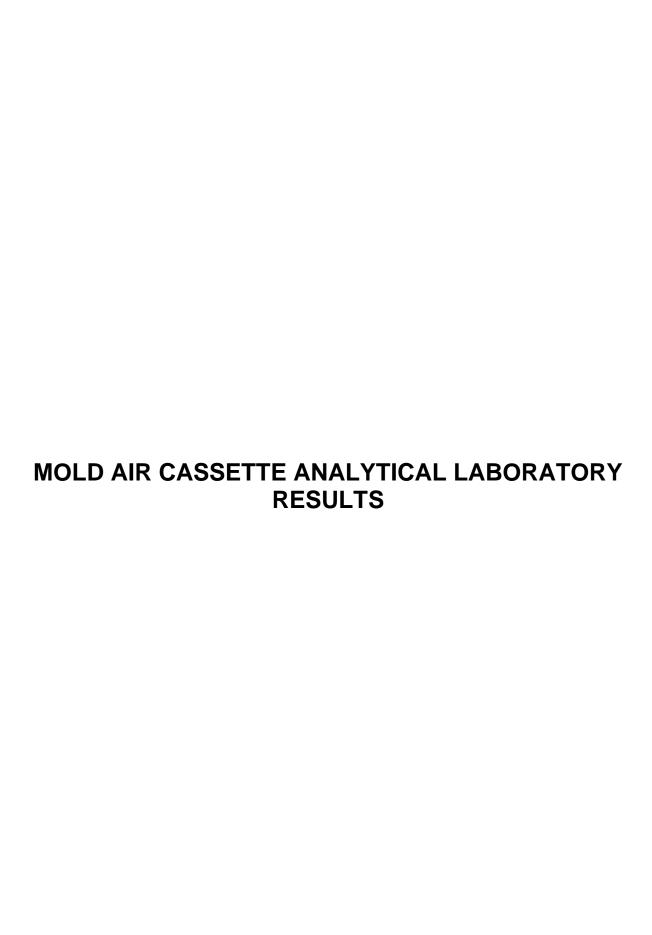
Andrew H. Baird Industrial Hygienist

Robert Worrell Project Manager

Michael E. Leonard Senior Project Manager

Attachments: Mold Air Cassettes Analytical Laboratory Report

Sample Location Drawing Photographs of Site Conditions Fungal Types and Group Chart





13635 GENITO ROAD MIDLOTHIAN, VIRGINIA 23112 TEL: (804) 763-1200 • FAX: (804) 763-1800 Analyzed By:

Justin B. Liverman

AmeriSci Job #: 323111040 FINAL REPORT

Client: France Environmental, Inc.

Address: 7834 Forest Hill Ave

Suite 7

Richmond, VA 23225

Client Job#: FEI-23MI505 Client Job Name: CORPS: Thomas C Boushall Middle

School

Date Received: 11/08/23 Date Reported: 11/10/23

Air Cassette Analytical Report (SOP# 3.24.01)

AmeriSci Number	32	311104	0-01	32	311104	0-02	323	311104	0-03	32	311104	0-04
Sample Number		292264	.0		292266	0		292262	20		292262	.4
Sample Name	Outside	Bldg - I	Pre - Back	1st	FI - D F	Room	1st	FI-SF	Room	1s <sup>-</sup>	t FI - AF	P #1
Analysis Date	•	11/9/20	23	,	1/9/20	23	•	11/9/20	23	,	11/9/20	23
Volume (L)		25			25			25			25	
Limit of Detection (LOD) (Count/M <sup>3</sup> )		40			40			40			40	
Background Density		2			1			1			1	
Other	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count
Pollen	ND	n/a	ND	ND	n/a	ND	ND	n/a	ND	ND	n/a	ND
Fibers	80	n/a	2	40	n/a	1	40	n/a	1	40	n/a	1
Mycelial Fragments	40	n/a	1	ND	n/a	ND	ND	n/a	ND	ND	n/a	ND
Fungal Identification	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count
Alternaria sp.	ND		Raw Count	ND	,-	Raw Count	ND		I Kuw Gount	ND		Naw Count
Ascospores	ND			ND			ND			ND		
Aspergillus/Penicillium	120	17	3	ND			1400	95	35	160	100	4
Basidiospores	40	6	1	ND			ND			ND		
Chaetomium sp.	ND			ND			ND			ND		
Cladosporium sp.	560	78	14	40	100	1	40	3	1	ND		
Curvularia sp.	ND			ND			ND			ND		
Epicoccum sp.	ND			ND			ND			ND		
Myxomycetes/Periconia/Smuts	ND			ND			40	3	1	ND		
Nigrospora sp.	ND			ND			ND			ND		
Pestalotia sp.	ND			ND			ND			ND		
Pithomyces sp.	ND			ND			ND			ND		
Total Fungal Spores	720	100	18	40	100	1	1480	100	37	160	100	4



13635 GENITO ROAD MIDLOTHIAN, VIRGINIA 23112 TEL: (804) 763-1200 • FAX: (804) 763-1800 Analyzed By:

Justin B. Liverman

AmeriSci Job #: **323111040** FINAL REPORT

**Client: France Environmental, Inc.** 

Address: 7834 Forest Hill Ave

Suite 7

Richmond, VA 23225

Client Job#: FEI-23MI505

Client Job Name: CORPS: Thomas C Boushall Middle

School

**Date Received:** 11/08/23 **Date Reported:** 11/10/23

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AmeriSci Number	323	311104	0-01	32	311104	0-02	32	311104	0-03	32	311104	0-04
Sample Number		292264	-0		292266	60		292262	20		292262	4
Sample Name	Outside	Bldg - F	Pre - Back	1st	FI - D F	Room	1st	FI - S F	Room	1s <sup>-</sup>	t FI - AF	P #1
Analysis Date	1	1/9/20	23	,	11/9/20	23	,	11/9/20	23	1	23	
Volume (L)		25			25			25				
Limit of Detection (LOD) (Count/M <sup>3</sup> )		40			40			40				
Background Density		2			1			1			1	
Fungal Identification	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count
Spegazzinia sp.	ND			ND			ND			ND		
Total Fungal Spores	720	100	18	40	100	1	1480	100	37	160	100	4



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Air Cassette Analytical Report (SOP# 3.24.01)

AmeriSci Number	323	311104	0-05	32	311104	0-06	32	311104	0-07	32	311104	0-08
Sample Number		292261	1		292261	6		292260	)5		292260	)1
Sample Name	1st Fl	- Rece	ptionist	1st	FI - N F	Room	1st F	FI - EX	Room	1st FI -	Space	Room #2
Analysis Date	1	1/9/20	23	,	11/9/20	23	•	11/9/20	23	•	11/9/20	23
Volume (L)		25			25			25			25	
Limit of Detection (LOD) (Count/M <sup>3</sup> )		40			40			40			40	
Background Density		1			1			1			1	
Other	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count
Pollen	ND	n/a	ND	ND	n/a	ND	ND	n/a	ND	40	n/a	1
Fibers	40	n/a	1	80	n/a	2	80	n/a	2	40	n/a	1
Mycelial Fragments	ND	n/a	ND	ND	n/a	ND	ND	n/a	ND	<sup>ND</sup> n/a		ND
Fungal Identification	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count
Alternaria sp.	ND			ND			ND			ND		
Ascospores	ND			ND			ND			ND		
Aspergillus/Penicillium	40	33	1	ND			ND			40	50	1
Basidiospores	ND			ND			ND			ND		
Chaetomium sp.	ND			ND			ND			ND		
Cladosporium sp.	80	67	2	80	100	2	120	75	3	40	50	1
Curvularia sp.	ND			ND			ND			ND		
Epicoccum sp.	ND			ND			ND			ND		
Myxomycetes/Periconia/Smuts	ND			ND			40	25	1	ND		
Nigrospora sp.	ND			ND			ND			ND		
Pestalotia sp.	ND			ND			ND			ND		
Pithomyces sp.	ND			ND			ND			ND		
Total Fungal Spores	120	100	3	80	100	2	160	100	4	80	100	2



13635 GENITO ROAD MIDLOTHIAN, VIRGINIA 23112 TEL: (804) 763-1200 • FAX: (804) 763-1800 Analyzed By:

Justin B. Liverman

AmeriSci Job #: 323111040 FINAL REPORT

Client: France Environmental, Inc.

Client Job#: FEI-23MI505

Date Received: 11/08/23 Date Reported: 11/10/23

Suite 7

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Richmond, VA 23225

Client Job Name: CORPS: Thomas C Boushall Middle

School

AmeriSci Number	323	311104	0-05	32	311104	0-06	32	311104	0-07	323	311104	0-08
Sample Number	:	292261	1		292261	6		292260	)5		292260	1
Sample Name	1st Fl	- Rece	ptionist	1st	FI - N F	Room	1st F	-I - EX	Room	1st FI -	Space I	Room #2
Analysis Date	1	1/9/20	23	·	11/9/20	23	,	11/9/20	23	1	1/9/202	23
Volume (L)		25			25			25			25	
Limit of Detection (LOD) (Count/M <sup>3</sup> )		40			40			40			40	
Background Density		1			1			1			1	
Fungal Identification	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count
Spegazzinia sp.	ND			ND			ND			ND		
Total Fungal Spores	120	100	3	80	100	2	160	100	4	80	100	2



13635 GENITO ROAD MIDLOTHIAN, VIRGINIA 23112 TEL: (804) 763-1200 • FAX: (804) 763-1800 Analyzed By:

Justin B. Liverman

AmeriSci Job #: **323111040** FINAL REPORT

Client: France Environmental, Inc.

Address: 7834 Forest Hill Ave

Suite 7

Richmond, VA 23225

Client Job#: FEI-23MI505

Client Job Name: CORPS: Thomas C Boushall Middle

School

Date Received: 11/08/23
Date Reported: 11/10/23

Air Cassette Analytical Report (SOP# 3.24.01)

AmeriSci Number	32	311104	0-09	32	311104	0-10	32	311104	0-11	32	311104	0-12
Sample Number		292273	32		292262	21		292264	l4		292263	3
Sample Name	1s	t FI - O	RM	1st	FI - W F	Room	1s <sup>-</sup>	t FI - AF	P #2	1st F	FI - BS I	Room
Analysis Date	•	11/9/20	23	,	11/9/20	23	•	11/9/20	23	•	11/9/20	23
Volume (L)		25			25			25			25	
Limit of Detection (LOD) (Count/M <sup>3</sup> )		40			40			40			40	
Background Density		1			1			1			1	
Other	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count
Pollen	ND	n/a	ND	ND	n/a	ND	ND	n/a	ND	ND	n/a	ND
Fibers	ND	n/a	ND	80	n/a	2	ND	n/a	ND	40	n/a	1
Mycelial Fragments	ND	n/a	ND	ND	n/a	ND	ND	n/a	ND	ND	n/a	ND
Fungal Identification	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count
Alternaria sp.	ND		Raw Count	ND	, ,	Raw Count	ND		I Kuw Gount	ND		i itaw oount
Ascospores	ND			ND			ND			ND		
Aspergillus/Penicillium	ND			ND			ND			ND		
Basidiospores	ND			40	50	1	ND			40	33	1
Chaetomium sp.	ND			ND			ND			ND		
Cladosporium sp.	40	100	1	40	50	1	40	100	1	80	67	2
Curvularia sp.	ND			ND			ND			ND		
Epicoccum sp.	ND			ND			ND			ND		
Myxomycetes/Periconia/Smuts	ND			ND			ND			ND		
Nigrospora sp.	ND			ND			ND			ND		
Pestalotia sp.	ND			ND			ND			ND		
Pithomyces sp.	ND			ND			ND			ND		
Total Fungal Spores	40	100	1	80	100	2	40	100	1	120	100	3



13635 GENITO ROAD MIDLOTHIAN, VIRGINIA 23112 TEL: (804) 763-1200 • FAX: (804) 763-1800 Analyzed By:

Justin B. Liverman

AmeriSci Job #: 323111040 FINAL REPORT

Client: France Environmental, Inc.

Client Job#: FEI-23MI505

Date Received: 11/08/23 Date Reported: 11/10/23

Suite 7

Address: 7834 Forest Hill Ave

Richmond, VA 23225

Client Job Name: CORPS: Thomas C Boushall Middle

School

AmeriSci Number	323	311104	0-09	32	311104	0-10	32	311104	0-11	323	311104	0-12
Sample Number		292273	32		292262	21		292264	14		292263	3
Sample Name	1s	t FI - O	RM	1st	FI - W I	Room	1s	t FI - AF	P #2	1st F	FI - BS F	Room
Analysis Date	1	11/9/20	23		11/9/20	23		1/9/20	23	1	23	
Volume (L)		25			25			25				
Limit of Detection (LOD) (Count/M <sup>3</sup> )		40			40			40				
Background Density		1			1			1			1	
Fungal Identification	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count
Spegazzinia sp.	ND			ND			ND			ND		
Total Fungal Spores	40	100	1	80	100	2	40	100	1	120	100	3



13635 GENITO ROAD MIDLOTHIAN, VIRGINIA 23112 TEL: (804) 763-1200 • FAX: (804) 763-1800 Analyzed By:

Justin B. Liverman

AmeriSci Job #: **323111040** FINAL REPORT

Client: France Environmental, Inc.

Address: 7834 Forest Hill Ave

Suite 7

Richmond, VA 23225

Client Job#: FEI-23MI505
Client Job Name: CORPS: Thomas C Boushall Middle

School

Date Received: 11/08/23 Date Reported: 11/10/23

Air Cassette Analytical Report (SOP# 3.24.01)

AmeriSci Number	32	311104	0-13	32	311104	0-14	32	311104	0-15	32	311104	0-16
Sample Number		292265	54		292265	2		292264	l8		292262	3
Sample Name	1st	FI - IP F	Room	1st F	I - Conf	Room	1st	FI - G F	Room	1st	FI - C F	Room
Analysis Date	•	11/9/20	23	,	11/9/20	23	•	1/9/20	23	,	11/9/20	23
Volume (L)		25			25			25			25	
Limit of Detection (LOD) (Count/M <sup>3</sup> )		40			40			40			40	
Background Density		1			1			1			2	
Other	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count
Pollen	ND	n/a	ND	ND	n/a	ND	ND	n/a	ND	ND	n/a	ND
Fibers	80	n/a	2	80	n/a	2	120	n/a	3	120	n/a	3
Mycelial Fragments	40	n/a	1	ND	n/a	ND	ND	n/a	ND	ND	n/a	ND
Fungal Identification	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count
Alternaria sp.	ND			ND			ND			ND		
Ascospores	ND			ND			ND			ND		
Aspergillus/Penicillium	ND			ND			200	63	5	80	50	2
Basidiospores	40	50	1	ND			ND			ND		
Chaetomium sp.	ND			ND			ND			ND		
Cladosporium sp.	40	50	1	ND			40	13	1	80	50	2
Curvularia sp.	ND			ND			ND			ND		
Epicoccum sp.	ND			ND			ND			ND		
Myxomycetes/Periconia/Smuts	ND			ND			80	25	2	ND		
Nigrospora sp.	ND			ND			ND			ND		
Pestalotia sp.	ND			ND			ND			ND		
Pithomyces sp.	ND			ND			ND			ND		
Total Fungal Spores	80	100	2	ND	ND	ND	320	100	8	160	100	4



13635 GENITO ROAD MIDLOTHIAN, VIRGINIA 23112 TEL: (804) 763-1200 • FAX: (804) 763-1800 Analyzed By:

Justin B. Liverman

AmeriSci Job #: **323111040** FINAL REPORT

**Client: France Environmental, Inc.** 

Address: 7834 Forest Hill Ave

Suite 7

Richmond, VA 23225

Client Job#: FEI-23MI505

Client Job Name: CORPS: Thomas C Boushall Middle

School

**Date Received:** 11/08/23 **Date Reported:** 11/10/23

7 iii Gaecotte 7 iiiai jii cai 110									_			
AmeriSci Number	323	311104	0-13	32	311104	0-14	32	311104	0-15	323	311104	0-16
Sample Number		292265	54		292265	52		292264	18		292262	3
Sample Name	1st	FI - IP F	Room	1st F	I - Conf	Room	1st	FI - G F	Room	1st	FI - C R	loom
Analysis Date	1	1/9/20	23		11/9/20	23		11/9/20	23	1	1/9/202	23
Volume (L)		25			25			25			25	
Limit of Detection (LOD) (Count/M <sup>3</sup> )		40			40			40				
Background Density		1			1			1			2	
Fungal Identification	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count
Spegazzinia sp.	ND			ND			ND			ND		
Total Fungal Spores	80	100	2	ND	ND	ND	320	100	8	160	100	4



13635 GENITO ROAD MIDLOTHIAN, VIRGINIA 23112 TEL: (804) 763-1200 • FAX: (804) 763-1800 Analyzed By:

Justin B. Liverman

AmeriSci Job #: **323111040** 

FINAL REPORT

Date Received: 11/08/23

Client: France Environmental, Inc.

Address: 7834 Forest Hill Ave

Suite 7

Richmond, VA 23225

Client Job#: FEI-23MI505
Client Job Name: CORPS: Thomas C Boushall Middle

School

e Date Reported: 11/10/23

Air Cassette Analytical Report (SOP# 3.24.01)

AmeriSci Number	32	311104	0-17	32	311104	0-18	32	311104	0-19	32	311104	0-20
Sample Number		292262	8		292264	1		292273	36		292265	9
Sample Name	1st F	FI - GS	Room	1s	t FI - O	RM	1st F	I - CHC	Room	1s	t FI - L-	150
Analysis Date	•	11/9/20	23	,	1/9/20	23	•	1/9/20	23	•	11/9/20	23
Volume (L)		25			25			25			25	
Limit of Detection (LOD) (Count/M <sup>3</sup> )		40			40			40			40	
Background Density		1			1			1			1	
Other	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count
Pollen	ND	n/a	ND	ND	n/a	ND	ND	n/a	ND	ND	n/a	ND
Fibers	40	n/a	1	40	n/a	1	40	n/a	1	40	n/a	1
Mycelial Fragments	ND	n/a	ND	ND	n/a	ND	ND	n/a	ND	ND	n/a	ND
Fungal Identification	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count
Alternaria sp.	ND			ND			ND			ND		
Ascospores	ND			ND			ND			ND		
Aspergillus/Penicillium	ND			40	33	1	80	50	2	ND		
Basidiospores	ND			ND			ND			40	50	1
Chaetomium sp.	ND			ND			ND			ND		
Cladosporium sp.	40	100	1	40	33	1	80	50	2	40	50	1
Curvularia sp.	ND			ND			ND			ND		
Epicoccum sp.	ND			ND			ND			ND		
Myxomycetes/Periconia/Smuts	ND			40	33	1	ND			ND		
Nigrospora sp.	ND			ND			ND			ND		
Pestalotia sp.	ND			ND			ND			ND		
Pithomyces sp.	ND			ND			ND			ND		
Total Fungal Spores	40	100	1	120	100	3	160	100	4	80	100	2



13635 GENITO ROAD MIDLOTHIAN, VIRGINIA 23112 TEL: (804) 763-1200 • FAX: (804) 763-1800 Analyzed By:

AmeriSci Job #: 323111040 FINAL REPORT

Justin B. Liverman

Client: France Environmental, Inc.

Richmond, VA 23225

Client Job#: FEI-23MI505

Client Job Name: CORPS: Thomas C Boushall Middle

Date Received: 11/08/23 Date Reported: 11/10/23

Suite 7

Address: 7834 Forest Hill Ave

School

AmeriSci Number	323	311104	0-17	32	311104	0-18	32	311104	0-19	323	311104	0-20	
Sample Number	:	292262	.8		292264	1		292273	36	:	292265	9	
Sample Name	1st F	-I - GS	Room	15	st FI - O	RM	1st F	I - CHC	Room	1s	t FI - L-	150	
Analysis Date	1	1/9/20	23		11/9/20	23	•	11/9/20	23	1	1/9/202	23	
Volume (L)		25			25			25					
Limit of Detection (LOD) (Count/M <sup>3</sup> )		40			40			40			25 40		
Background Density		1			1			1			1		
Fungal Identification	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	
Spegazzinia sp.	ND			ND			ND			ND			
Total Fungal Spores	40	100	1	120	100	3	160	100	4	80	100	2	



13635 GENITO ROAD MIDLOTHIAN, VIRGINIA 23112 TEL: (804) 763-1200 • FAX: (804) 763-1800 Analyzed By:

Justin B. Liverman

AmeriSci Job #: 323111040 FINAL REPORT

Client: France Environmental, Inc.

Address: 7834 Forest Hill Ave

Suite 7

Richmond, VA 23225

Client Job#: FEI-23MI505 Client Job Name: CORPS: Thomas C Boushall Middle

School

Date Received: 11/08/23 Date Reported: 11/10/23

Air Cassette Analytical Report (SOP# 3.24.01)

AmeriSci Number	323	311104	0-21	32	311104	0-22	32	311104	0-23	32	311104	0-24
Sample Number		292260	18		292263	9		292261	9		292271	5
Sample Name	1st FI - I	L-150 F	ile Room	1st FI -	L-150 S	Strge Rm	1	lst FI -	TL	1s	t FI - L-	111
Analysis Date	1	11/9/20	23	,	11/9/20	23	,	11/9/20	23	,	11/9/20	23
Volume (L)		25			25			25			25	
Limit of Detection (LOD) (Count/M <sup>3</sup> )		40			40			40			40	
Background Density		1			1			1			1	
												_
Other	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count
Pollen	ND	n/a	ND	ND	n/a	ND	ND	n/a	ND	ND	n/a	ND
Fibers	120	n/a	3	ND	n/a	ND	ND	n/a	ND	40	n/a	1
Mycelial Fragments	ND	n/a	ND	ND	n/a	ND	ND	n/a	ND	ND	n/a	ND
Fungal Identification	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count
Alternaria sp.	ND			ND			ND			ND		
Ascospores	ND			ND			ND			ND		
Aspergillus/Penicillium	ND			ND			ND			ND		
Basidiospores	40	33	1	ND			ND			ND		
Chaetomium sp.	ND			ND			ND			ND		
Cladosporium sp.	80	67	2	ND			40	100	1	40	100	1
Curvularia sp.	ND			ND			ND			ND		
Epicoccum sp.	ND			ND			ND			ND		
Myxomycetes/Periconia/Smuts	ND			ND			ND			ND		
Nigrospora sp.	ND			ND			ND			ND		
Pestalotia sp.	ND			ND			ND			ND		
Pithomyces sp.	ND			ND			ND			ND		
Total Fungal Spores	120	100	3	ND	ND	ND	40	100	1	40	100	1



13635 GENITO ROAD MIDLOTHIAN, VIRGINIA 23112

TEL: (804) 763-1200 • FAX: (804) 763-1800

#### Analyzed By:

Justin B. Liverman

AmeriSci Job #: 323111040 FINAL REPORT

Client: France Environmental, Inc.

Client Job#: FEI-23MI505

Client Job Name: CORPS: Thomas C Boushall Middle

Date Received: 11/08/23

Suite 7

Address: 7834 Forest Hill Ave

Richmond, VA 23225

School

Date Reported: 11/10/23

AmeriSci Number	323	311104	0-21	32	311104	0-22	32	311104	0-23	323	311104	0-24	
Sample Number		292260	)8		292263	39		292261	9		292271	5	
Sample Name	1st FI - I	L-150 F	File Room	1st FI -	L-150 S	Strge Rm	1	st FI -	TL	1s	t FI - L-	111	
Analysis Date	1	1/9/20	23	·	11/9/20	23	,	1/9/20	23	1	1/9/202	23	
Volume (L)		25			25			25			25		
Limit of Detection (LOD) (Count/M <sup>3</sup> )		40			40			40			25 40		
Background Density		1			1			1			1		
Fungal Identification	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	
Spegazzinia sp.	ND			ND			ND			ND			
Total Fungal Spores	120	100	3	ND	ND	ND	40	100	1	40	100	1	



13635 GENITO ROAD MIDLOTHIAN, VIRGINIA 23112

TEL: (804) 763-1200 • FAX: (804) 763-1800

Analyzed By:

Justin B. Liverman

AmeriSci Job #: 323111040 FINAL REPORT

**Client: France Environmental, Inc.** 

Address: 7834 Forest Hill Ave

Suite 7

Richmond, VA 23225

Client Job#: FEI-23MI505

Client Job Name: CORPS: Thomas C Boushall Middle

School

Date Received: 11/08/23 Date Reported: 11/10/23

Air Cassette Analytical Report (SOP# 3.24.01)

AmeriSci Number	323	311104	0-25	32	311104	0-26	32	311104	0-27	32	311104	0-28
Sample Number		292261			292267	0		292266	6		292264	-6
Sample Name	1st F	I - Prep	Room	1s	t FI - L-	106	1s	t FI - L-	155	1s	t FI - L-	156
Analysis Date	1	11/9/20	23	,	11/9/20	23	•	1/9/20	23	,	11/9/20	23
Volume (L)		25			25			25			25	
Limit of Detection (LOD) (Count/M <sup>3</sup> )		40			40			40			40	
Background Density		1			1			1			1	
			_			_						
Other	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count
Pollen	ND	n/a	ND	ND	n/a	ND	ND	n/a	ND	ND	n/a	ND
Fibers	ND	n/a	ND	40	n/a	1	40	n/a	1	80	n/a	2
Mycelial Fragments	ND	<sup>ND</sup> n/a ND		ND	n/a	ND	ND	n/a	ND	ND	n/a	ND
Fungal Identification	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count
Alternaria sp.	ND			ND			ND			ND		
Ascospores	ND			ND			ND			ND		
Aspergillus/Penicillium	ND			ND			40	25	1	ND		
Basidiospores	ND			ND			40	25	1	ND		
Chaetomium sp.	ND			ND			ND			ND		
Cladosporium sp.	ND			40	100	1	80	50	2	80	100	2
Curvularia sp.	ND			ND			ND			ND		
Epicoccum sp.	ND			ND			ND			ND		
Myxomycetes/Periconia/Smuts	ND			ND			ND			ND		
Nigrospora sp.	ND			ND			ND			ND		
Pestalotia sp.	ND			ND			ND			ND		
Pithomyces sp.	ND			ND			ND			ND		
Total Fungal Spores	ND	ND	ND	40	100	1	160	100	4	80	100	2



13635 GENITO ROAD MIDLOTHIAN, VIRGINIA 23112 TEL: (804) 763-1200 • FAX: (804) 763-1800 Analyzed By:

Justin B. Liverman

AmeriSci Job #: **323111040** 

FINAL REPORT

Client: France Environmental, Inc.

Client Job#: FEI-23MI505

Client Job Name: CORPS: Thomas C Boushall Middle

Date Received: 11/08/23 Date Reported: 11/10/23

Suite 7

Address: 7834 Forest Hill Ave

Richmond, VA 23225

School

AmeriSci Number	•	311104		32	311104	0-26	30	311104	0-27	32	311104	0-28
Sample Number		292261	2		292267	0		292266	86		292264	6
Sample Name	1st F	l - Prep	Room	1s	t FI - L-	106	1s	t FI - L-	155	1s	t FI - L-	156
Analysis Date	1	1/9/20	23		11/9/20	23	,	1/9/20	23	1	1/9/202	23
Volume (L)		25			25			25			25	
Limit of Detection (LOD) (Count/M <sup>3</sup> )		40			40			40			40	
Background Density		1			1			1			1	
Fungal Identification	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count
Spegazzinia sp.	ND			ND			ND			ND		
Total Fungal Spores	ND	ND	ND	40	100	1	160	100	4	80	100	2



13635 GENITO ROAD MIDLOTHIAN, VIRGINIA 23112 TEL: (804) 763-1200 • FAX: (804) 763-1800 Analyzed By:

School

Justin B. Liverman

AmeriSci Job #: 323111040 FINAL REPORT

Client: France Environmental, Inc.

Client Job#: FEI-23MI505

Client Job Name: CORPS: Thomas C Boushall Middle

Date Received: 11/08/23 Date Reported: 11/10/23

Suite 7

Address: 7834 Forest Hill Ave

Richmond, VA 23225

Air Cassette Analytical Report (SOP# 3.24.01)

AmeriSci Number	323	311104	0-29	32	311104	0-30	323	311104	0-31	32	311104	0-32
Sample Number		292266	67		292263	8		292273			292276	57
Sample Name	1st Fl - H	Hall Nex	xt To L156	1s	t FI - L-	150	Outside Bl	dg - Mid	d-Day-Front	1s	t FI - L-	192
Analysis Date	1	11/9/20	23	,	11/9/20	23	•	1/9/20	23	,	1/9/20	23
Volume (L)		25			25			25			25	
Limit of Detection (LOD) (Count/M 3)		40			40			40			40	
Background Density		1			1			2			1	
Other	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count
Pollen	40	n/a	1	ND	n/a	ND	40	n/a	1	ND	n/a	ND
Fibers	40	n/a	1	40	n/a	1	80	n/a	2	80	n/a	2
Mycelial Fragments	ND			ND	n/a	ND	40	n/a	1	ND	n/a	ND
Fungal Identification	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count
Alternaria sp.	ND			ND			80	4	2	ND		
Ascospores	ND			ND			40	2	1	ND		
Aspergillus/Penicillium	40	50	1	ND			200	10	5	ND		
Basidiospores	ND			ND			120	6	3	ND		
Chaetomium sp.	ND			ND			ND			ND		
Cladosporium sp.	40	50	1	40	100	1	1240	60	31	40	100	1
Curvularia sp.	ND			ND			ND			ND		
Epicoccum sp.	ND			ND			80	4	2	ND		
Myxomycetes/Periconia/Smuts	ND			ND			320	15	8	ND		
Nigrospora sp.	ND			ND			ND			ND		
Pestalotia sp.	ND			ND			ND			ND		
Pithomyces sp.	ND			ND			ND			ND		
Total Fungal Spores	80	100	2	40	100	1	2080	100	52	40	100	1



13635 GENITO ROAD MIDLOTHIAN, VIRGINIA 23112 TEL: (804) 763-1200 • FAX: (804) 763-1800 Analyzed By: Justin B. Liverman

AmeriSci Job #: 323111040 FINAL REPORT

**Client: France Environmental, Inc.** 

Client Job#: FEI-23MI505

Date Received: 11/08/23 Date Reported: 11/10/23

Suite 7

Client Job Name: CORPS: Thomas C Boushall Middle Address: 7834 Forest Hill Ave

School

Richmond, VA 23225

Air Cassette Analytical Re	port (SOP	# 3.2	4.01)									
AmeriSci Number	32	311104	0-29	32	311104	0-30	32	311104	0-31	32	311104	0-32
Sample Number		292266	67		292263	38		292273	33		292276	7
Sample Name	1st FI - H	Hall Ne	kt To L156	1s	t FI - L-	150	Outside Bl	dg - Mi	d-Day-Front	1s	t FI - L-	192
Analysis Date	•	11/9/20	23		11/9/20	23		11/9/20	23	,	11/9/20	23
Volume (L)		25			25			25			25	
Limit of Detection (LOD) (Count/M <sup>3</sup> )		40			40			40			40	
Background Density		1			1			2			1	
Fungal Identification	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count
Spegazzinia sp.	ND			ND			ND			ND		
Total Fungal Spores	80	100	2	40	100	1	2080	100	52	40	100	1



13635 GENITO ROAD MIDLOTHIAN, VIRGINIA 23112 TEL: (804) 763-1200 • FAX: (804) 763-1800 Analyzed By:

Justin B. Liverman

AmeriSci Job #: **323111040** FINAL REPORT

**Client: France Environmental, Inc.** 

Address: 7834 Forest Hill Ave

Suite 7

Richmond, VA 23225

Client Job#: FEI-23MI505
Client Job Name: CORPS: Thomas C Boushall Middle

School

Date Received: 11/08/23 Date Reported: 11/10/23

Air Cassette Analytical Report (SOP# 3.24.01)

AmeriSci Number	32	311104	0-33	32	311104	0-34	32	311104	0-35	32	311104	0-36
Sample Number		292272	.0		292265	66		292263	37		292277	'3
Sample Name	1s	t FI - L-	187	1	st FI - 1	84	1	st FI - 1	85	1s	t FI - L-	158
Analysis Date	•	11/9/20	23	,	11/9/20	23	•	11/9/20	23	,	11/9/20	23
Volume (L)		25			25			25			25	
Limit of Detection (LOD) (Count/M 3)		40			40			40			40	
Background Density		1			1			1			1	
												_
Other	Count/M <sup>3</sup>	%	Raw Count									
Pollen	ND	n/a	ND									
Fibers	40	n/a	1	ND	n/a	ND	ND	n/a	ND	40	n/a	1
Mycelial Fragments	ND				n/a	ND	ND	n/a	ND	ND	n/a	ND
Fungal Identification	Count/M <sup>3</sup>	%	Raw Count									
Alternaria sp.	ND			ND			ND			ND		
Ascospores	ND			ND			ND			ND		
Aspergillus/Penicillium	ND			ND			ND			ND		
Basidiospores	ND			ND			ND			40	100	1
Chaetomium sp.	ND			ND			ND			ND		
Cladosporium sp.	80	67	2	ND			ND			ND		
Curvularia sp.	ND			ND			ND			ND		
Epicoccum sp.	ND			ND			ND			ND		
Myxomycetes/Periconia/Smuts	40	33	1	ND			ND			ND		
Nigrospora sp.	ND			ND			ND			ND		
Pestalotia sp.	ND			ND			ND			ND		
Pithomyces sp.	ND			ND			ND			ND		
Total Fungal Spores	120	100	3	ND	ND	ND	ND	ND	ND	40	100	1



13635 GENITO ROAD MIDLOTHIAN, VIRGINIA 23112 TEL: (804) 763-1200 • FAX: (804) 763-1800 Analyzed By:

Justin B. Liverman

AmeriSci Job #: **323111040** 

FINAL REPORT

Client: France Environmental, Inc.

Client Job#: FEI-23MI505

Client Job Name: CORPS: Thomas C Boushall Middle

**Date Received:** 11/08/23 **Date Reported:** 11/10/23

Suite 7

Address: 7834 Forest Hill Ave

Richmond, VA 23225

CORPS: I nomas C Bousnall IV

School

A COLUMN TO				22	244404	0.24	20	244404	0.25	22	244404	0.26
AmeriSci Number	32.	311104	0-33	32	311104	0-34	32	311104	0-35	32.	311104	0-36
Sample Number		292272	20		292265	66		292263	37		292277	3
Sample Name	1s	t FI - L-	187	1	st FI - 1	84	1	st FI - 1	85	1s	t FI - L-	158
Analysis Date	1	11/9/20	23		11/9/20	23	,	1/9/20	23	1	1/9/202	23
Volume (L)		25			25			25			25	
Limit of Detection (LOD) (Count/M <sup>3</sup> )		40			40			40			40	
Background Density		1			1			1			1	
Fungal Identification	Count/M <sup>3</sup>	%	Raw Count									
Spegazzinia sp.	ND			ND			ND			ND		
Total Fungal Spores	120	100	3	ND	ND	ND	ND	ND	ND	40	100	1



13635 GENITO ROAD MIDLOTHIAN, VIRGINIA 23112 TEL: (804) 763-1200 • FAX: (804) 763-1800 Analyzed By:

School

Justin B. Liverman

AmeriSci Job #: 323111040

FINAL REPORT

Client: France Environmental, Inc.

Client Job#: FEI-23MI505

Client Job Name: CORPS: Thomas C Boushall Middle

Date Received: 11/08/23 Date Reported: 11/10/23

Suite 7

Address: 7834 Forest Hill Ave

Richmond, VA 23225

Air Cassette Analytical Report (SOP# 3 24 01)

Air Cassette Analytical Re	· ` `			200	244404	0.20	200	244404	0.20	20	244404	0.40
AmeriSci Number		311104			311104			311104			311104	
Sample Number		292272			292276			292274			292263	
Sample Name	1s	it FI - L-	175	1s	t FI - L-	166	1st FI	- L-166	- Office	1st FI - L	-166 - (	Classrm #1
Analysis Date		11/9/20	23	,	11/9/20	23	•	11/9/20	23	,	11/9/20	23
Volume (L)		25			25			25			25	
Limit of Detection (LOD) (Count/M <sup>3</sup> )		40			40			40			40	
Background Density		1			1			1			1	
	0 1712	۵,			0/		0 (0.0.2)	0/		0 (7.7.2	0/	
Other	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count
Pollen	ND	n/a	ND	ND	n/a	ND	ND	n/a	ND	ND	n/a	ND
Fibers	80	n/a	2	40	n/a	1	40	n/a	1	ND	n/a	ND
Mycelial Fragments	ND	<sup>ND</sup> n/a ND		ND	n/a	ND	ND	n/a	ND	ND	n/a	ND
Fungal Identification	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count
Alternaria sp.	ND	,,,	Naw Count	ND	70	Naw Count	ND	,,,	Naw Count	ND	,,,	i Kaw Count
Ascospores	ND			ND			ND			ND		
Aspergillus/Penicillium	40	33	1	ND			80	40	2	ND		
Basidiospores	ND			ND			ND			ND		
Chaetomium sp.	ND			ND			ND			ND		
Cladosporium sp.	40	33	1	40	50	1	80	40	2	ND		
Curvularia sp.	ND			ND			ND			ND		
Epicoccum sp.	ND			ND			ND			ND		
Myxomycetes/Periconia/Smuts	40	33	1	40	50	1	40	20	1	ND		
Nigrospora sp.	ND			ND			ND			ND		
Pestalotia sp.	ND			ND			ND			ND		
Pithomyces sp.	ND			ND			ND			ND		



13635 GENITO ROAD MIDLOTHIAN, VIRGINIA 23112 TEL: (804) 763-1200 • FAX: (804) 763-1800 Analyzed By:

Justin B. Liverman

AmeriSci Job #: 323111040 FINAL REPORT

Client: France Environmental, Inc.

Client Job#: FEI-23MI505

Client Job Name: CORPS: Thomas C Boushall Middle

Date Received: 11/08/23 Date Reported: 11/10/23

Suite 7

Address: 7834 Forest Hill Ave

Richmond, VA 23225

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AmeriSci Number	32	311104	0-37	32	311104	0-38	32	311104	0-39	32	311104	0-40
Sample Number	:	292272	9		292276	64		292274	14		292263	6
Sample Name	1s	t FI - L-	175	1s	t FI - L-	166	1st Fl	- L-166	- Office	1st FI - L	-166 - C	Classrm #1
Analysis Date	1	11/9/20	23		11/9/20	23		11/9/20	23	,	1/9/202	23
Volume (L)		25			25			25			25	
Limit of Detection (LOD) (Count/M <sup>3</sup> )		40			40			40			40	
Background Density		1			1			1			1	
Fungal Identification	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count
Spegazzinia sp.	ND			ND			ND			ND		
Total Fungal Spores	120	100	3	80	100	2	200	100	5	ND	ND	ND



13635 GENITO ROAD MIDLOTHIAN, VIRGINIA 23112 TEL: (804) 763-1200 • FAX: (804) 763-1800 Analyzed By:

Justin B. Liverman

AmeriSci Job #: **323111040**FINAL REPORT

**Client: France Environmental, Inc.** 

Address: 7834 Forest Hill Ave

Suite 7

Richmond, VA 23225

Client Job#: FEI-23MI505
Client Job Name: CORPS: Thomas C Boushall Middle

CORPS: Thomas C Bousnall IV

School

**Date Received:** 11/08/23 **Date Reported:** 11/10/23

Air Cassette Analytical Report (SOP# 3.24.01)

AmeriSci Number	32	311104	0-41	32	311104	0-42	323	311104	0-43	32	311104	0-44
Sample Number		292271	8		292267	6		292271	3		292266	4
Sample Name	1st FI - L	-166 - C	Classrm #2	1st FI - Ma	aintena	nce - Office	1st FI - Mair	ntenand	e - Break Rm	1st	FI - Kit	chen
Analysis Date	•	11/9/20	23	,	1/9/20	23	1	1/9/20	23	,	11/9/20	23
Volume (L)		25			25			25			25	
Limit of Detection (LOD) (Count/M <sup>3</sup> )		40			40			40			40	
Background Density		1			1			1			1	
Other	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count
Pollen	ND	n/a	ND	ND	n/a	ND	ND	n/a	ND	ND	n/a	ND
Fibers	40	n/a	1	ND	n/a	ND	ND	n/a	ND	ND	n/a	ND
Mycelial Fragments	ND			ND	n/a	ND	ND	n/a	ND	ND	n/a	ND
Fungal Identification	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count
Alternaria sp.	ND			ND			ND			ND		
Ascospores	ND			ND			ND			ND		
Aspergillus/Penicillium	ND			ND			40	33	1	ND		
Basidiospores	ND			ND			40	33	1	ND		
Chaetomium sp.	ND			ND			ND			ND		
Cladosporium sp.	40	50	1	ND			ND			ND		
Curvularia sp.	ND			ND			40	33	1	ND		
Epicoccum sp.	ND			ND			ND			ND		
Myxomycetes/Periconia/Smuts	40	50	1	ND			ND			ND		
Nigrospora sp.	ND			ND			ND			ND		
Pestalotia sp.	ND			ND			ND			ND		
Pithomyces sp.	ND			ND			ND			ND		
Total Fungal Spores	80	100	2	ND	ND	ND	120	100	3	ND	ND	ND



13635 GENITO ROAD MIDLOTHIAN, VIRGINIA 23112 TEL: (804) 763-1200 • FAX: (804) 763-1800 Analyzed By:

Justin B. Liverman

AmeriSci Job #: **323111040** FINAL REPORT

**Client: France Environmental, Inc.** 

Client Job#: FEI-23MI505

Client Job Name: CORPS: Thomas C Boushall Middle

**Date Received:** 11/08/23 **Date Reported:** 11/10/23

Suite 7

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Richmond, VA 23225

Address: 7834 Forest Hill Ave

AmeriSci Number	323	311104	0-41	32	311104	0-42	32	311104	0-43	32	311104	0-44
Sample Number		292271	8		292267	'6		292271	3		292266	4
Sample Name	1st FI - L-	·166 - C	Classrm #2	1st FI - Ma	aintena	nce - Office	1st FI - Mair	ntenand	e - Break Rm	1st	FI - Kit	chen
Analysis Date	1	1/9/20	23		11/9/20	23	,	11/9/20	23	1	1/9/20	23
Volume (L)		25			25			25			25	
Limit of Detection (LOD) (Count/M <sup>3</sup> )		40			40			40			40	
Background Density		1			1			1			1	
Fungal Identification	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count
Spegazzinia sp.	ND			ND			ND			ND		
Total Fungal Spores	80	100	2	ND	ND	ND	120	100	3	ND	ND	ND



13635 GENITO ROAD MIDLOTHIAN, VIRGINIA 23112 TEL: (804) 763-1200 • FAX: (804) 763-1800 Analyzed By:

Justin B. Liverman

AmeriSci Job #: **323111040** FINAL REPORT

Client: France Environmental, Inc.

Address: 7834 Forest Hill Ave

Suite 7

Richmond, VA 23225

Client Job#: FEI-23MI505

Client Job Name: CORPS: Thomas C Boushall Middle

School

Date Received: 11/08/23 Date Reported: 11/10/23

Air Cassette Analytical Report (SOP# 3.24.01)

AmeriSci Number	32	311104	0-45	32	3111 <mark>0</mark> 4	0-46	32	311104	0-47	32	3111 <mark>0</mark> 4	0-48
Sample Number		292264	13		292275	0		292267	7		292276	1
Sample Name	1st F	I - Con	nmons	1st FI	Kitche	n Office	1st FI -	Securi	ty Office	1st FI - M	edia Rr	n Conf Rm
Analysis Date		11/9/20	23	,	1/9/20	23		11/9/20	23		1/9/20	23
Volume (L)		25			25			25			25	
Limit of Detection (LOD) (Count/M <sup>3</sup> )		40			40			40			40	
Background Density		1			1			2			2	
												_
Other	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count
Pollen	ND	n/a	ND	ND	n/a	ND	40	n/a	1	ND	n/a	ND
Fibers	ND	n/a	ND	40	n/a	1	120	n/a	3	40	n/a	1
Mycelial Fragments	ND	<sup>ND</sup> n/a ND		ND	n/a	ND	80	n/a	2	ND	n/a	ND
Funnal Identification	Count/M 2	%	Daw Caunt	Count/M 2	%	Daw Count	Count/M 2	%	Dow Count	Count/M 2	%	Daw Caunt
Fungal Identification	Count/M <sup>3</sup>	76	Raw Count	Count/M <sup>3</sup>	70	Raw Count	Count/M <sup>3</sup>	70	Raw Count	Count/M <sup>3</sup>	70	Raw Count
Alternaria sp.	ND											
Ascospores	ND			ND			40	3	1	ND		
Aspergillus/Penicillium	40	50	1	ND			160	12	4	ND		
Basidiospores	ND			ND			80	6	2	40	17	1
Chaetomium sp.	ND			ND			ND			ND		
Cladosporium sp.	ND			40	100	1	280	21	7	80	33	2
Curvularia sp.	ND			ND			ND			ND		
Epicoccum sp.	ND			ND			ND			ND		
Myxomycetes/Periconia/Smuts	40	50	1	ND			720	55	18	120	50	3
Nigrospora sp.	ND			ND			40	3	1	ND		
Pestalotia sp.	ND			ND			ND			ND		
Pithomyces sp.	ND			ND			ND			ND		
Total Fungal Spores	80	100	2	40	100	1	1320	100	33	240	100	6



13635 GENITO ROAD MIDLOTHIAN, VIRGINIA 23112 TEL: (804) 763-1200 • FAX: (804) 763-1800

Justin B. Liverman

School

AmeriSci Job #: **323111040** 

FINAL REPORT

Client: France Environmental, Inc.

Client Job#: FEI-23MI505

Client Job Name: CORPS: Thomas C Boushall Middle

Analyzed By:

**Date Received:** 11/08/23 **Date Reported:** 11/10/23

Suite 7

Address: 7834 Forest Hill Ave

Richmond, VA 23225

All Gassette Allarytical Re	9011 (001	<i>"</i> O.E	1.01)									
AmeriSci Number	32:	311104	0-45	32	311104	0-46	32	311104	10-47	32	311104	0-48
Sample Number	:	292264	3		292275	50		292267	77		292276	1
Sample Name	1st F	I - Com	nmons	1st FI	- Kitche	n Office	1st FI -	Securi	ity Office	1st FI - M	edia Rr	n Conf Rm
Analysis Date	1	1/9/20	23		11/9/20	23		11/9/20	23	•	1/9/20	23
Volume (L)		25			25			25			25	
Limit of Detection (LOD) (Count/M <sup>3</sup> )		40			40			40			40	
Background Density		1			1			2		_		
									_			
Fungal Identification	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count
Spegazzinia sp.	ND			ND			ND			ND		
Total Fungal Spores	80	100	2	40	100	1	1320	100	33	240	100	6



13635 GENITO ROAD MIDLOTHIAN, VIRGINIA 23112 TEL: (804) 763-1200 • FAX: (804) 763-1800 Analyzed By:

Justin B. Liverman

AmeriSci Job #: 323111040 FINAL REPORT

Client: France Environmental, Inc.

Address: 7834 Forest Hill Ave

Suite 7

Richmond, VA 23225

Client Job#: FEI-23MI505 Client Job Name: CORPS: Thomas C Boushall Middle

School

Date Received: 11/08/23 Date Reported: 11/10/23

Air Cassette Analytical Report (SOP# 3.24.01)

AmeriSci Number	323	0-49	323111040-50			32	311104	0-51	32	311104	0-52	
Sample Number		292265	51	2944066				294407	<b>'</b> 6		294407	'1
Sample Name	1st FI - AV Rm #1			Outside Bldg - Post - Back			2nd Fl - 290			2nd FI - 286		
Analysis Date	11/9/2023			,	11/9/20	23	•	1/9/20	23	11/9/2023		
Volume (L)		25			25			25		25		
Limit of Detection (LOD) (Count/M <sup>3</sup> )		40			40			40			40	
Background Density		1			2			1			2	
			_						_			
Other	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count
Pollen	ND	n/a	ND	ND	n/a	ND	ND	n/a	ND	ND	n/a	ND
Fibers	40	n/a	1	80	n/a	2	40	n/a	1	40	n/a	1
Mycelial Fragments	ND	n/a	ND	80	n/a	2	ND	n/a	ND	ND	n/a	ND
Fungal Identification	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count
Alternaria sp.	ND			40	2	1	ND			ND		
Ascospores	ND			ND			ND			ND		
Aspergillus/Penicillium	ND			400	24	10	40	17	1	80	50	2
Basidiospores	ND			160	10	4	40	17	1	ND		
Chaetomium sp.	ND			ND			ND			ND		
Cladosporium sp.	ND			800	49	20	80	33	2	80	50	2
Curvularia sp.	ND			ND			40	17	1	ND		
Epicoccum sp.	ND			40	2	1	ND			ND		
Myxomycetes/Periconia/Smuts	ND			160	10	4	40	17	1	ND		
Nigrospora sp.	ND			ND			ND			ND		
Pestalotia sp.	ND			40	2	1	ND			ND		
Pithomyces sp.	ND			ND			ND			ND		
	ND	ND	ND	1640	100	41	240	100	6	160	100	4



13635 GENITO ROAD MIDLOTHIAN, VIRGINIA 23112 TEL: (804) 763-1200 • FAX: (804) 763-1800 Analyzed By:

Justin B. Liverman

AmeriSci Job #: **323111040** FINAL REPORT

**Client: France Environmental, Inc.** 

Address: 7834 Forest Hill Ave

Suite 7

Richmond, VA 23225

Client Job#: FEI-23MI505

Client Job Name: CORPS: Thomas C Boushall Middle

School

Date Received: 11/08/23 Date Reported: 11/10/23

AmeriSci Number	323	311104	0-49	32	311104	0-50	32	311104	0-51	323111040-52			
Sample Number		51		66		294407	76		294407	1			
Sample Name	1st F	I - AV I	Rm #1	Outside E	ost - Back	2	nd FI - :	290	21	286			
Analysis Date	1	11/9/20	23		11/9/20	23	•	1/9/20	23	1	23		
Volume (L)		25					25		25				
Limit of Detection (LOD) (Count/M 3)		40			40			40		40			
Background Density		1			2		1						
Fungal Identification	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	
Spegazzinia sp.	ND			ND			ND			ND			
Total Fungal Spores	ND	ND	ND	1640	100	41	240	100	6	160	100	4	



13635 GENITO ROAD MIDLOTHIAN, VIRGINIA 23112 TEL: (804) 763-1200 • FAX: (804) 763-1800 Analyzed By:

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Justin B. Liverman

AmeriSci Job #: 323111040 FINAL REPORT

Client: France Environmental, Inc.

Client Job#: FEI-23MI505

Client Job Name: CORPS: Thomas C Boushall Middle

Date Received: 11/08/23 Date Reported: 11/10/23

Suite 7

Address: 7834 Forest Hill Ave

Richmond, VA 23225

Air Cassette Analytical Report (SOP# 3.24.01)

AmeriSci Number	323	311104	0-53	323111040-54			323	311104	0-55	323	311104	0-56
Sample Number	2944075			2944085			2944086				294409	3
Sample Name	2nd FI - 138			2nd Fl - 267			2nd Fl - 142			2nd Fl - 250		
Analysis Date	11/9/2023			11/9/2023			•	1/9/20	23	11/9/2023		
Volume (L)		25			25			25		25		
Limit of Detection (LOD) (Count/M <sup>3</sup> )		40			40			40		40		
Background Density		1			1			2			1	
Other	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count
Pollen	ND	n/a	ND	ND	n/a	ND	ND	n/a	ND	ND	n/a	ND
Fibers	80	n/a	2	40	n/a	1	120	n/a	3	ND	n/a	ND
Mycelial Fragments	ND	n/a	ND	ND	n/a	ND	ND	n/a	ND	ND	n/a	ND
Fungal Identification	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count
Alternaria sp.	ND			ND			ND			ND		
Ascospores	ND			ND			ND			ND		
Aspergillus/Penicillium	40	50	1	40	50	1	120	30	3	ND		
Basidiospores	ND			ND			40	10	1	ND		
Chaetomium sp.	ND			ND			ND			ND		
Cladosporium sp.	40	50	1	ND			200	50	5	ND		
Curvularia sp.	ND			ND			ND			ND		
Epicoccum sp.	ND			ND			ND			ND		
Myxomycetes/Periconia/Smuts	ND			40	50	1	40	10	1	ND		
Nigrospora sp.	ND			ND			ND			ND		
Pestalotia sp.	ND			ND			ND			ND		
Pithomyces sp.	ND			ND			ND			ND		
Total Fungal Spores	80	100	2	80	100	2	400	100	10	ND	ND	ND



13635 GENITO ROAD MIDLOTHIAN, VIRGINIA 23112 TEL: (804) 763-1200 • FAX: (804) 763-1800 Analyzed By:

Justin B. Liverman

AmeriSci Job #: **323111040** FINAL REPORT

**Client: France Environmental, Inc.** 

Client Job#: FEI-23MI505

Client Job Name: CORPS: Thomas C Boushall Middle

**Date Received:** 11/08/23 **Date Reported:** 11/10/23

Suite 7

Address: 7834 Forest Hill Ave

Richmond, VA 23225

VA 23225

#### Air Cassette Analytical Report (SOP# 3.24.01)

AmeriSci Number	323	0-53	32	0-54	32	311104	0-55	323111040-56				
Sample Number	2944075				35		294408	36	2944093			
Sample Name	21	nd FI - 1	138	2	267	2	nd FI - 1	142	2nd Fl - 250			
Analysis Date	1	1/9/20	23	·	11/9/20:	23	11/9/2023			1	23	
Volume (L)		25					25		25			
Limit of Detection (LOD) (Count/M <sup>3</sup> )		40					40		40			
Background Density		1			1		2			1		
Fungal Identification	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count
Spegazzinia sp.	ND			ND			ND			ND		
Total Fungal Spores	80	100	2	80	100	2	400	100	10	ND	ND	ND

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13635 GENITO ROAD MIDLOTHIAN, VIRGINIA 23112 TEL: (804) 763-1200 • FAX: (804) 763-1800 Analyzed By:

Justin B. Liverman

AmeriSci Job #: **323111040** FINAL REPORT

Client: France Environmental, Inc.

Address: 7834 Forest Hill Ave

Suite 7

Richmond, VA 23225

Client Job#: FEI-23MI505
Client Job Name: CORPS: Thomas C Boushall Middle

CORPS. Thomas C Boush

School

**Date Received:** 11/08/23 **Date Reported:** 11/10/23

Air Cassette Analytical Report (SOP# 3.24.01)

AmeriSci Number	323	0-57	323111040-58			32	311104	0-59	32	311104	0-60	
Sample Number	2944090			2944092			2944089			2944088		
Sample Name	2nd Fl - 141			2nd FI - 7th Grade Counselor			2nd Fl - 241			2nd FI - 235		
Analysis Date	11/9/2023			11/9/2023			,	1/9/20	23	11/9/2023		
Volume (L)		25			25			25		25		
Limit of Detection (LOD) (Count/M <sup>3</sup> )		40			40			40		40		
Background Density		1			2			1			1	
						_						
Other	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count
Pollen	ND	n/a	ND	40	n/a	1	ND	n/a	ND	ND	n/a	ND
Fibers	40	n/a	1	120	n/a	3	40	n/a	1	ND	n/a	ND
Mycelial Fragments	ND	n/a	ND	ND	n/a	ND	ND	n/a	ND	ND	n/a	ND
Fungal Identification	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count
Alternaria sp.	ND			40	8	1	ND			ND		
Ascospores	ND			ND			ND			ND		
Aspergillus/Penicillium	400	71	10	120	25	3	ND			40	50	1
Basidiospores	40	7	1	ND			ND			ND		
Chaetomium sp.	ND			ND			ND			ND		
Cladosporium sp.	80	14	2	160	33	4	40	100	1	40	50	1
Curvularia sp.	ND			40	8	1	ND			ND		
Epicoccum sp.	ND			ND			ND			ND		
Myxomycetes/Periconia/Smuts	40	7	1	120	25	3	ND			ND		
Nigrospora sp.	ND			ND			ND			ND		
Pestalotia sp.	ND			ND			ND			ND		
Pithomyces sp.	ND			ND			ND			ND		
Total Fungal Spores	560	100	14	480	100	12	40	100	1	80	100	2



13635 GENITO ROAD MIDLOTHIAN, VIRGINIA 23112 TEL: (804) 763-1200 • FAX: (804) 763-1800 Analyzed By:

Justin B. Liverman

AmeriSci Job #: **323111040** FINAL REPORT

**Client: France Environmental, Inc.** 

Client Job#: FEI-23MI505

Client Job Name: CORPS: Thomas C Boushall Middle

**Date Received:** 11/08/23 **Date Reported:** 11/10/23

Suite 7

Address: 7834 Forest Hill Ave

Richmond, VA 23225

Air Cassette Analytical Report (SOP# 3.24.01)

All Casselle Allalytical Ne		π J.Z	4.01 <i>)</i>									
AmeriSci Number	32	0-57	32	311104	0-58	32	311104	10-59	323111040-60			
Sample Number		90		92		294408	39	2944088				
Sample Name	2	141	2nd FI - 7t	e Counselor	2	nd FI - :	241	2nd FI - 235				
Analysis Date	•	23		23		11/9/20	23	11/9/2023				
Volume (L)				25			25		25			
Limit of Detection (LOD) (Count/M <sup>3</sup> )		40					40		40			
Background Density		1			2		1				1	
Fungal Identification	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count
Spegazzinia sp.	ND			ND			ND			ND		
Total Fungal Spores	560	100	14	480 100 12			40	100	1	80	100	2

School



13635 GENITO ROAD MIDLOTHIAN, VIRGINIA 23112 TEL: (804) 763-1200 • FAX: (804) 763-1800 Analyzed By:

AmeriSci Job #: 323111040 FINAL REPORT

Justin B. Liverman

Client: France Environmental, Inc.

Client Job#: FEI-23MI505 Address: 7834 Forest Hill Ave

Client Job Name: CORPS: Thomas C Boushall Middle

Date Received: 11/08/23 Date Reported: 11/10/23

School

Suite 7 Richmond, VA 23225

Air Cassette Analytical Report (SOP# 3.24.01)

AmeriSci Number	323	311104	0-61	32	311104	0-62	32	311104	0-63	32	311104	0-64
Sample Number		294407	4		294407	3		294407	'2		294406	57
Sample Name	21	nd FI - 2	266	21	nd FI - 2	284	21	nd FI - 2	234	2	nd FI - 2	231
Analysis Date	1	11/9/20	23	,	1/9/20	23	•	11/9/20	23	•	11/9/20	23
Volume (L)		25			25			25			25	
Limit of Detection (LOD) (Count/M 3)		40			40			40			40	
Background Density		1			1			1			1	
Other	Count/M <sup>3</sup>	%	Raw Count									
Pollen	ND	n/a	ND									
Fibers	80	n/a	2	80	n/a	2	120	n/a	3	80	n/a	2
Mycelial Fragments	ND	n/a	ND									
Fungal Identification	Count/M <sup>3</sup>	%	Raw Count									
Alternaria sp.	ND			ND			ND			ND		
Ascospores	ND			ND			ND			ND		
Aspergillus/Penicillium	40	50	1	ND			ND			40	50	1
Basidiospores	ND			ND			ND			ND		
Chaetomium sp.	ND			ND			ND			ND		
Cladosporium sp.	40	50	1	40	100	1	40	100	1	ND		
Curvularia sp.	ND			ND			ND			ND		
Epicoccum sp.	ND			ND			ND			ND		
Myxomycetes/Periconia/Smuts	ND			ND			ND			40	50	1
Nigrospora sp.	ND			ND			ND			ND		
Pestalotia sp.	ND			ND			ND			ND		
Pithomyces sp.	ND			ND			ND			ND		
Total Fungal Spores	80	100	2	40	100	1	40	100	1	80	100	2



13635 GENITO ROAD MIDLOTHIAN, VIRGINIA 23112 TEL: (804) 763-1200 • FAX: (804) 763-1800 Analyzed By:

Justin B. Liverman

AmeriSci Job #: **323111040** FINAL REPORT

**Client: France Environmental, Inc.** 

Client Job#: FEI-23MI505

Client Job Name: CORPS: Thomas C Boushall Middle

**Date Received:** 11/08/23 **Date Reported:** 11/10/23

Suite 7

Address: 7834 Forest Hill Ave

Richmond, VA 23225

Air Cassette Analytical Report (SOP# 3.24.01)

All Oddscile Allalytical Re		π J.Z	T.U 1)									
AmeriSci Number	32	311104	0-61	32	311104	0-62	32	311104	0-63	32	311104	0-64
Sample Number		294407	'4		294407	73		294407	72		294406	7
Sample Name	21	nd FI - 2	266	2	nd FI - 2	284	2	nd FI - :	234	2	nd FI - 2	231
Analysis Date	1	1/9/20	23		11/9/20	23		11/9/20	23	•	23	
Volume (L)		25			25			25			25	
Limit of Detection (LOD) (Count/M <sup>3</sup> )		40			40			40				
Background Density		1			1			1				
			T									
Fungal Identification	Count/M <sup>3</sup>	%	Raw Count									
Spegazzinia sp.	ND			ND			ND			ND		
Total Fungal Spores	80	100	2	40	100	1	40	100	1	80	100	2

School



13635 GENITO ROAD MIDLOTHIAN, VIRGINIA 23112 TEL: (804) 763-1200 • FAX: (804) 763-1800 Analyzed By:

Justin B. Liverman

AmeriSci Job #: 323111040 FINAL REPORT

Client: France Environmental, Inc.

Address: 7834 Forest Hill Ave

Suite 7

Richmond, VA 23225

Client Job#: FEI-23MI505 Client Job Name: CORPS: Thomas C Boushall Middle

School

Date Received: 11/08/23 Date Reported: 11/10/23

Air Cassette Analytical Report (SOP# 3.24.01)

AmeriSci Number	32	311104	0-65	32	311104	0-66	323	311104	0-67	32	311104	0-68
Sample Number		294406	9		294407	'8		294408	34		294408	1
Sample Name	2	nd FI - 2	227	21	nd FI - 2	210	21	nd FI - 2	205	2	nd FI - 2	226
Analysis Date	,	11/9/20	23	,	11/9/20	23	•	1/9/20	23	,	11/9/20	23
Volume (L)		25			25			25			25	
Limit of Detection (LOD) (Count/M <sup>3</sup> )		40			40			40			40	
Background Density		1			1			1			1	
Other	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count
Pollen	ND	n/a	ND	ND	n/a	ND	ND	n/a	ND	ND	n/a	ND
Fibers	ND	n/a	ND	40	n/a	1	40	n/a	1	40	n/a	1
Mycelial Fragments	ND	n/a	ND	ND	n/a	ND	ND	n/a	ND	ND	n/a	ND
Fungal Identification	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count
Alternaria sp.	ND ND	,,,	i Kaw Count	ND ND	70	Naw Count	ND	70	i kaw count	ND	,,,	ikaw count
Ascospores	ND			ND			ND			ND		
Aspergillus/Penicillium	40	50	1	80	40	2	40	50	1	40	100	1
Basidiospores	ND			ND			ND			ND		
Chaetomium sp.	ND			ND			ND			ND		
Cladosporium sp.	40	50	1	40	20	1	40	50	1	ND		
Curvularia sp.	ND			ND			ND			ND		
Epicoccum sp.	ND			ND			ND			ND		
Myxomycetes/Periconia/Smuts	ND			80	40	2	ND			ND		
Nigrospora sp.	ND			ND			ND			ND		
Pestalotia sp.	ND			ND			ND			ND		
Pithomyces sp.	ND			ND			ND			ND		
Total Fungal Spores	80	100	2	200	100	5	80	100	2	40	100	4



13635 GENITO ROAD MIDLOTHIAN, VIRGINIA 23112 TEL: (804) 763-1200 • FAX: (804) 763-1800 Analyzed By:

Justin B. Liverman

AmeriSci Job #: 323111040 FINAL REPORT

Client: France Environmental, Inc.

Richmond, VA 23225

Client Job#: FEI-23MI505

Client Job Name: CORPS: Thomas C Boushall Middle

Date Received: 11/08/23

Suite 7

Address: 7834 Forest Hill Ave

School

Date Reported: 11/10/23

AmeriSci Number	323	311104	0-65	32	311104	0-66	32	311104	0-67	323	311104	0-68
Sample Number	:	294406	9		294407	<b>'</b> 8		294408	34	:	294408	1
Sample Name	21	nd FI - 2	227	2	nd FI - 2	210	2	nd FI - 2	205	21	nd FI - 2	226
Analysis Date	1	1/9/20	23		11/9/20	23	•	11/9/20	23	1	23	
Volume (L)		25			25			25				
Limit of Detection (LOD) (Count/M <sup>3</sup> )		40			40			40				
Background Density		1			1			1			1	
Fungal Identification	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count
Spegazzinia sp.	ND			ND			ND			ND		
Total Fungal Spores	80	100	2	200	100	5	80	100	2	40	100	1



13635 GENITO ROAD MIDLOTHIAN, VIRGINIA 23112 TEL: (804) 763-1200 • FAX: (804) 763-1800 Analyzed By:

Justin B. Liverman

AmeriSci Job #: **323111040** FINAL REPORT

**Client: France Environmental, Inc.** 

Address: 7834 Forest Hill Ave

Suite 7

Richmond, VA 23225

Client Job#: FEI-23MI505
Client Job Name: CORPS: Thomas C Boushall Middle

orti O. IIIOII

Date Received: 11/08/23 Date Reported: 11/10/23

School

Air Cassette Analytical Report (SOP# 3.24.01)

AmeriSci Number	32	311104	0-69	323	311104	0-70	323	311104	0-71	32	311104	0-72
Sample Number		294408	3		294408	0		294407	'9		294408	2
Sample Name	2	nd FI - 2	230	21	nd FI - 2	280	2nd I	FI - Hall	lway A	2nd l	FI - Hall	way B
Analysis Date		11/9/20	23	,	1/9/20	23	•	11/9/20	23	1	1/10/20	23
Volume (L)		25			25			25			25	
Limit of Detection (LOD) (Count/M 3)		40			40			40			40	
Background Density		1			1			1			2	
Other	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count
Pollen	ND	n/a	ND	ND	n/a	ND	ND	n/a	ND	40	n/a	1
Fibers	ND	n/a	ND	80	n/a	2	40	n/a	1	120	n/a	3
Mycelial Fragments	ND	n/a	ND	ND	n/a	ND	ND	n/a	ND	ND	n/a	ND
Fungal Identification	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count
Alternaria sp.	ND		i itaw oount	ND	,-	nan oount	ND		itaw oount	ND		i itaw oouin
Ascospores	ND			ND			ND			ND		
Aspergillus/Penicillium	ND			40	20	1	ND			80	25	2
Basidiospores	ND			40	20	1	ND			40	13	1
Chaetomium sp.	ND			ND			ND			ND		
Cladosporium sp.	80	100	2	80	40	2	ND			120	38	3
Curvularia sp.	ND			ND			ND			ND		
Epicoccum sp.	ND			ND			ND			ND		
Myxomycetes/Periconia/Smuts	ND			40	20	1	ND			80	25	2
Nigrospora sp.	ND			ND			ND			ND		
Pestalotia sp.	ND			ND			ND			ND		
Pithomyces sp.	ND			ND			ND			ND		
Total Fungal Spores	80	100	2	200	100	5	ND	ND	ND	320	100	8



13635 GENITO ROAD MIDLOTHIAN, VIRGINIA 23112 TEL: (804) 763-1200 • FAX: (804) 763-1800 Analyzed By:

Justin B. Liverman

AmeriSci Job #: **323111040** FINAL REPORT

**Client: France Environmental, Inc.** 

Client Job#: FEI-23MI505

Client Job Name: CORPS: Thomas C Boushall Middle

**Date Received:** 11/08/23 **Date Reported:** 11/10/23

Suite 7

Address: 7834 Forest Hill Ave

Richmond, VA 23225

23225

Air Cassette Analytical Re	port (SOP	# 3.2	4.01)									
AmeriSci Number	32	311104	0-69	32	311104	0-70	32	311104	0-71	32	311104	0-72
Sample Number		294408	3		294408	30		294407	79	:	294408	2
Sample Name	2	nd FI - 2	230	2	nd Fl - :	280	2nd l	FI - Hal	lway A	2nd I	-I - Hall	way B
Analysis Date	•	11/9/20	23		11/9/20	23		11/9/20	23	1	1/10/20	23
Volume (L)	25				25			25			25	
Limit of Detection (LOD) (Count/M <sup>3</sup> )		40			40			40			40	
Background Density		1			1			1			2	
Fungal Identification	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count
Spegazzinia sp.	ND			ND			ND			ND		
Total Fungal Spores	80	100	2	200	100	5	ND	ND	ND	320	100	8

School



13635 GENITO ROAD MIDLOTHIAN, VIRGINIA 23112 TEL: (804) 763-1200 • FAX: (804) 763-1800 Analyzed By:

Justin B. Liverman

AmeriSci Job #: 323111040 FINAL REPORT

Client: France Environmental, Inc.

Address: 7834 Forest Hill Ave

Suite 7

Richmond, VA 23225

Client Job#: FEI-23MI505 Client Job Name: CORPS: Thomas C Boushall Middle

School

Date Received: 11/08/23 Date Reported: 11/10/23

Air Cassette Analytical Report (SOP# 3.24.01)

AmeriSci Number	32	311104	0-73	32	311104	0-74	323	311104	0-75	32	311104	0-76
Sample Number		294406	5		294407	0		294406	64		294406	3
Sample Name	1	st FI - 1	04	1	st FI - 1	05	1st FI	- Media	a Center	1st F	I - WK	Room
Analysis Date	1	1/10/20	23	1	1/10/20	23	1	1/10/20	)23	1	1/10/20	23
Volume (L)		25			25			25			25	
Limit of Detection (LOD) (Count/M <sup>3</sup> )		40			40			40			40	
Background Density		1			1			1			1	
Other	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count
Pollen	ND	n/a	ND	ND	n/a	ND	ND	n/a	ND	ND	n/a	ND
Fibers	ND	n/a	ND	80	n/a	2	40	n/a	1	40	n/a	1
Mycelial Fragments	ND	n/a	ND	ND	n/a	ND	ND	n/a	ND	ND	n/a	ND
Fungal Identification	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count
Alternaria sp.	ND			ND			ND			ND		
Ascospores	ND			ND			ND			ND		
Aspergillus/Penicillium	ND			40	50	1	ND			ND		
Basidiospores	ND			ND			40	100	1	ND		
Chaetomium sp.	ND			ND			ND			ND		
Cladosporium sp.	ND			40	50	1	ND			40	100	1
Curvularia sp.	ND			ND			ND			ND		
Epicoccum sp.	ND			ND			ND			ND		
Myxomycetes/Periconia/Smuts	40	100	1	ND			ND			ND		
Nigrospora sp.	ND			ND			ND			ND		
Pestalotia sp.	ND			ND			ND			ND		
Pithomyces sp.	ND			ND			ND			ND		
Total Fungal Spores	40	100	1	80	100	2	40	100	1	40	100	1



13635 GENITO ROAD MIDLOTHIAN, VIRGINIA 23112 TEL: (804) 763-1200 • FAX: (804) 763-1800 Analyzed By:

Justin B. Liverman

AmeriSci Job #: **323111040** FINAL REPORT

Client: France Environmental, Inc.

Address: 7834 Forest Hill Ave Client Job I

Suite 7

Richmond, VA 23225

Client Job#: FEI-23MI505

Client Job Name: CORPS: Thomas C Boushall Middle

School

Date Received: 11/08/23 Date Reported: 11/10/23

AmeriSci Number	32:	311104	0-73	32	311104	0-74	32	311104	0-75	32	311104	0-76
Sample Number	:	294406	55		294407	<b>'</b> 0		294406	64	:	294406	3
Sample Name	1:	st FI - 1	04	1	st FI - 1	05	1st FI	- Media	a Center	1st F	I - WK	Room
Analysis Date	1	1/10/20	)23	1	1/10/20	)23	1	1/10/20	)23	1	23	
Volume (L)		25			25			25				
Limit of Detection (LOD) (Count/M <sup>3</sup> )		40			40			40				
Background Density		1			1			1			1	
Fungal Identification	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count
Spegazzinia sp.	ND			ND			ND			ND		
Total Fungal Spores	40	100	1	80	100	2	40	100	1	40	100	1



13635 GENITO ROAD MIDLOTHIAN, VIRGINIA 23112

TEL: (804) 763-1200 • FAX: (804) 763-1800

Analyzed By:

Justin B. Liverman

AmeriSci Job #: **323111040** FINAL REPORT

Client: France Environmental, Inc.

Address: 7834 Forest Hill Ave

Suite 7

Richmond, VA 23225

Client Job#: FEI-23MI505

Client Job Name: CORPS: Thomas C Boushall Middle

School

Date Received: 11/08/23
Date Reported: 11/10/23

Air Cassette Analytical Report (SOP# 3.24.01)

AmeriSci Number	32	311104	0-77	32	311104	0-78	323	311104	0-79	32	311104	0-80
Sample Number		294406	2		294406	8		294400	00		294399	3
Sample Name	1st FI	- AV R	oom #3	1st FI	- AV R	oom #2	21	nd FI - 2	288	2	nd FI - 2	287
Analysis Date	1	1/10/20	23	1	1/10/20	)23	1	1/10/20	)23	1	1/10/20	23
Volume (L)		25			25			25			25	
Limit of Detection (LOD) (Count/M <sup>3</sup> )		40			40			40			40	
Background Density		1			1			2			2	
Other	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count
Pollen	ND	n/a	ND	ND	n/a	ND	ND	n/a	ND	ND	n/a	ND
Fibers	80	n/a	2	80	n/a	2	120	n/a	3	80	n/a	2
Mycelial Fragments	ND	n/a	ND	ND	n/a	ND	ND	n/a	ND	ND	n/a	ND
Fungal Identification	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count
Alternaria sp.	ND			ND			ND			ND		
Ascospores	ND			ND			40	10	1	ND		
Aspergillus/Penicillium	40	50	1	ND			80	20	2	40	33	1
Basidiospores	ND			ND			40	10	1	ND		
Chaetomium sp.	ND			ND			ND			ND		
Cladosporium sp.	40	50	1	80	67	2	200	50	5	40	33	1
Curvularia sp.	ND			ND			ND			ND		
Epicoccum sp.	ND			ND			ND			ND		
Myxomycetes/Periconia/Smuts	ND			ND			40	10	1	40	33	1
Nigrospora sp.	ND			ND			ND			ND		
Pestalotia sp.	ND			ND			ND			ND		
Pithomyces sp.	ND			40	33	1	ND			ND		
Total Fungal Spores	80	100	2	120	100	3	400	100	10	120	100	3



13635 GENITO ROAD MIDLOTHIAN, VIRGINIA 23112 TEL: (804) 763-1200 • FAX: (804) 763-1800 Analyzed By:

Justin B. Liverman

AmeriSci Job #: 323111040 FINAL REPORT

Client: France Environmental, Inc.

Client Job#: FEI-23MI505 Client Job Name: CORPS: Thomas C Boushall Middle Date Received: 11/08/23 Date Reported: 11/10/23

Suite 7

Address: 7834 Forest Hill Ave

Richmond, VA 23225

School

AmeriSci Number	323	311104	0-77	32	311104	0-78	32	311104	0-79	32	311104	0-80
Sample Number	:	294406	2		294406	8		294400	00		294399	3
Sample Name	1st FI	- AV R	oom #3	1st Fl	- AV R	oom #2	2	nd FI - :	288	2	nd FI - 2	287
Analysis Date	1	1/10/20	23	1	1/10/20	)23	1	1/10/20	)23	1	1/10/20	23
Volume (L)		25			25			25			25	
Limit of Detection (LOD) (Count/M <sup>3</sup> )		40			40			40				
Background Density		1			1			2			2	
Fungal Identification	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count
Spegazzinia sp.	ND			ND			ND			ND		
Total Fungal Spores	80	100	2	120	100	3	400	100	10	120	100	3



13635 GENITO ROAD MIDLOTHIAN, VIRGINIA 23112 TEL: (804) 763-1200 • FAX: (804) 763-1800 Analyzed By:

Justin B. Liverman

AmeriSci Job #: 323111040 FINAL REPORT

Client: France Environmental, Inc.

Address: 7834 Forest Hill Ave

Suite 7

Richmond, VA 23225

Client Job#: FEI-23MI505 Client Job Name: CORPS: Thomas C Boushall Middle

School

Date Received: 11/08/23 Date Reported: 11/10/23

Air Cassette Analytical Report (SOP# 3.24.01)

AmeriSci Number	32	311104	0-81	32	311104	0-82	323	311104	0-83	32	311104	0-84
Sample Number		294401	2		294400	8		294400	)7		294400	5
Sample Name	2	nd FI - 1	149	21	nd FI - 2	272	21	nd FI - 2	262	2	nd FI - 2	264
Analysis Date	1	1/10/20	23	1	1/10/20	23	1	1/10/20	)23	1	1/10/20	23
Volume (L)		25			25			25			25	
Limit of Detection (LOD) (Count/M 3)		40			40			40			40	
Background Density		3			1			1			1	
												_
Other	Count/M <sup>3</sup>	%	Raw Count									
Pollen	ND	n/a	ND									
Fibers	200	n/a	5	40	n/a	1	40	n/a	1	40	n/a	1
Mycelial Fragments	ND	n/a	ND									
Fungal Identification	Count/M <sup>3</sup>	%	Raw Count									
Alternaria sp.	ND			ND			ND			ND		
Ascospores	40	2	1	ND			ND			ND		
Aspergillus/Penicillium	80	4	2	40	50	1	ND			480	92	12
Basidiospores	120	6	3	ND			ND			ND		
Chaetomium sp.	ND			ND			ND			ND		
Cladosporium sp.	400	20	10	40	50	1	40	50	1	40	8	1
Curvularia sp.	80	4	2	ND			ND			ND		
Epicoccum sp.	ND			ND			ND			ND		
Myxomycetes/Periconia/Smuts	1280	63	32	ND			40	50	1	ND		
Nigrospora sp.	ND			ND			ND			ND		
Pestalotia sp.	ND			ND			ND			ND		
Pithomyces sp.	40	2	1	ND			ND			ND		
	2040	100	51	80	100	2	80	100	2	520	100	13



13635 GENITO ROAD MIDLOTHIAN, VIRGINIA 23112 TEL: (804) 763-1200 • FAX: (804) 763-1800 Analyzed By:

Justin B. Liverman

AmeriSci Job #: **323111040** 

FINAL REPORT

Client: France Environmental, Inc.

Client Job#: FEI-23MI505

Client Job Name: CORPS: Thomas C Boushall Middle

**Date Received:** 11/08/23 **Date Reported:** 11/10/23

Suite 7

Address: 7834 Forest Hill Ave

Richmond, VA 23225

School

301

AmeriSci Number	323	311104	0-81	32	311104	0-82	32	311104	0-83	32	311104	0-84
Sample Number	2	294401	2		294400	)8		294400	)7		294400	5
Sample Name	2r	nd FI - 1	149	2	nd FI - 2	272	2	nd FI - 2	262	21	nd FI - 2	264
Analysis Date	1	1/10/20	23	1	1/10/20	)23	1	1/10/20	)23	1	1/10/20	23
Volume (L)		25			25			25				
Limit of Detection (LOD) (Count/M <sup>3</sup> )		40			40			40				
Background Density		3			1			1				
Fungal Identification	Count/M <sup>3</sup>	%	Raw Count									
Spegazzinia sp.	ND			ND			ND			ND		
Total Fungal Spores	2040	100	51	80	100	2	80	100	2	520	100	13



13635 GENITO ROAD MIDLOTHIAN, VIRGINIA 23112 TEL: (804) 763-1200 • FAX: (804) 763-1800 Analyzed By:

Justin B. Liverman

AmeriSci Job #: **323111040** FINAL REPORT

Client: France Environmental, Inc.

Address: 7834 Forest Hill Ave

Suite 7

Richmond, VA 23225

Client Job#: FEI-23MI505
Client Job Name: CORPS: Thomas C Boushall Middle

Cokro. Hollias C Bo

School

Date Received: 11/08/23 Date Reported: 11/10/23

Air Cassette Analytical Report (SOP# 3.24.01)

Air Cassette Analytical Re	• •										24424	
AmeriSci Number		311104			311104			311104			311104	
Sample Number		294400			294400			294400			294401	
Sample Name	2	nd Fl - :	263	2	nd FI - 2	261	2	nd FI - 2	243	21	nd FI - 2	242
Analysis Date	1	1/10/20	)23	1	1/10/20	)23	1	1/10/20	)23	1	1/10/20	23
Volume (L)		25			25			25			25	
Limit of Detection (LOD) (Count/M <sup>3</sup> )		40			40			40			40	
Background Density		2			1			1			1	
Other	Count/M <sup>3</sup>	%	Raw Count									
Pollen	ND	n/a	ND									
Fibers	80	n/a	2	80	n/a	2	40	n/a	1	120	n/a	3
Mycelial Fragments	ND	n/a	ND									
Fungal Identification	Count/M <sup>3</sup>	%	Raw Count									
Alternaria sp.	ND	/ "	Naw Count	ND	70	Raw Count	ND	70	Naw Count	ND	70	Raw Count
Ascospores	ND			ND			ND			ND		
Aspergillus/Penicillium	40	17	1	80	100	2	ND			ND		
Basidiospores	40	17	1	ND	100		ND			ND		
Chaetomium sp.	ND ND	17	'	ND			ND			ND		
Cladosporium sp.	40	17	1	ND			40	100	1	80	67	2
Curvularia sp.	40	17	1	ND			ND	100	l	ND	07	_
Epicoccum sp.	ND	17	'	ND			ND			ND		
Epiococam op.	80	33	2	ND			ND			40	33	1
Myxomycetes/Periconia/Smuts	1 60				i .				1	ı .~ I	00	
Myxomycetes/Periconia/Smuts Nigrospora sp.	ND ND		_	ND			ND			ND		
Nigrospora sp.			_	ND ND			ND ND			ND ND		
	ND		_									



Suite 7

# AmeriSci Bio-Chem

13635 GENITO ROAD MIDLOTHIAN, VIRGINIA 23112

TEL: (804) 763-1200 • FAX: (804) 763-1800

Analyzed By:

Justin B. Liverman

AmeriSci Job #: 323111040 FINAL REPORT

Client: France Environmental, Inc. Client Job#: FEI-23MI505 Date Received: 11/08/23 Client Job Name: CORPS: Thomas C Boushall Middle Date Reported: 11/10/23 Address: 7834 Forest Hill Ave

School

Air Cassette Analytical Report (SOP# 3.24.01)

Richmond, VA 23225

AmeriSci Number		311104		32	311104	0-86	30	311104	0-87	32	311104	0-88
Sample Number		294400	)4		294400	)2		294400	)3		294401	8
Sample Name	21	nd FI - 2	263	2	nd FI - 2	261	2	nd FI - :	243	21	nd FI - 2	242
Analysis Date	1	1/10/20	)23	1	1/10/20	)23	1	1/10/20	)23	1	1/10/20	23
Volume (L)		25			25			25			25	
Limit of Detection (LOD) (Count/M <sup>3</sup> )		40			40			40			40	
Background Density		2			1			1				
Fungal Identification	Count/M <sup>3</sup>	%	Raw Count									
Spegazzinia sp.	ND			ND			ND			ND		
Total Fungal Spores	240	100	6	80	100	2	40	100	1	120	100	3



13635 GENITO ROAD MIDLOTHIAN, VIRGINIA 23112 TEL: (804) 763-1200 • FAX: (804) 763-1800 Analyzed By:

Justin B. Liverman

AmeriSci Job #: **323111040**FINAL REPORT

**Client: France Environmental, Inc.** 

Address: 7834 Forest Hill Ave

Suite 7

Richmond, VA 23225

Client Job#: FEI-23MI505

Client Job Name: CORPS: Thomas C Boushall Middle

School

Date Received: 11/08/23 Date Reported: 11/10/23

Air Cassette Analytical Report (SOP# 3.24.01)

AmeriSci Number	32	311104	0-89	32	311104	0-90	32	311104	0-91	32	311104	0-92
Sample Number		294399	9		294399	)6		294400	)6		294402	.0
Sample Name	2	nd FI - 2	239	21	nd FI - 2	247	21	nd FI - 2	281	2	nd FI - 2	293
Analysis Date	1	1/10/20	23	1	1/10/20	)23	1	1/10/20	)23	1	1/10/20	23
Volume (L)		25			25			25			25	
Limit of Detection (LOD) (Count/M <sup>3</sup> )		40			40			40			40	
Background Density		1			1			1			1	
						_						
Other	Count/M <sup>3</sup>	%	Raw Count									
Pollen	ND	n/a	ND									
Fibers	40	n/a	1	80	n/a	2	80	n/a	2	40	n/a	1
Mycelial Fragments	ND	n/a	ND	ND	n/a	ND	40	n/a	1	ND	n/a	ND
Fungal Identification	Count/M <sup>3</sup>	%	Raw Count									
Alternaria sp.	ND			ND			ND			ND		
Ascospores	ND			ND			ND			ND		
Aspergillus/Penicillium	40	100	1	80	67	2	40	25	1	40	33	1
Basidiospores	ND			ND			ND			ND		
Chaetomium sp.	ND			ND			ND			ND		
Cladosporium sp.	ND			40	33	1	80	50	2	80	67	2
Curvularia sp.	ND			ND			ND			ND		
Epicoccum sp.	ND			ND			ND			ND		
Myxomycetes/Periconia/Smuts	ND			ND			ND			ND		
Nigrospora sp.	ND			ND			ND			ND		
Pestalotia sp.	ND			ND			ND			ND		
Pithomyces sp.	ND			ND			40	25	1	ND		
Total Fungal Spores	40	100	1	120	100	3	160	100	4	120	100	3



13635 GENITO ROAD MIDLOTHIAN, VIRGINIA 23112

TEL: (804) 763-1200 • FAX: (804) 763-1800

Analyzed By:

Justin B. Liverman

AmeriSci Job #: **323111040** FINAL REPORT

**Client: France Environmental, Inc.** 

Client Job#: FEI-23MI505

Client Job Name: CORPS: Thomas C Boushall Middle

**Date Received:** 11/08/23 **Date Reported:** 11/10/23

Suite 7

Address: 7834 Forest Hill Ave

Richmond, VA 23225

School

AmeriSci Number	323	311104	0-89	32	311104	0-90	32	311104	0-91	323	311104	0-92
Sample Number		294399	9		294399	96		294400	)6		294402	0
Sample Name	21	nd FI - 2	239	2	nd FI - 2	247	2	nd FI - 2	281	21	nd FI - 2	293
Analysis Date	1	1/10/20	)23	1	1/10/20	)23	1	1/10/20	)23	1	1/10/20	23
Volume (L)		25			25			25				
Limit of Detection (LOD) (Count/M 3)		40			40			40			40	
Background Density		1			1			1		·		
Fungal Identification	Count/M <sup>3</sup>	%	Raw Count									
Spegazzinia sp.	ND			ND			ND			ND		
Total Fungal Spores	40	100	1	120	100	3	160	100	4	120	100	3



13635 GENITO ROAD MIDLOTHIAN, VIRGINIA 23112 TEL: (804) 763-1200 • FAX: (804) 763-1800 Analyzed By:

Justin B. Liverman

AmeriSci Job #: **323111040** FINAL REPORT

Client: France Environmental, Inc.

Address: 7834 Forest Hill Ave

Suite 7

Richmond, VA 23225

Client Job#: FEI-23MI505

Client Job Name: CORPS: Thomas C Boushall Middle

School

Date Received: 11/08/23 Date Reported: 11/10/23

Air Cassette Analytical Report (SOP# 3.24.01)

AmeriSci Number	32	311104	0-93	32	311104	0-94	32	311104	0-95	32	311104	0-96
Sample Number		294401	9		294401	6		294401	3		294402	23
Sample Name	2	nd FI - 2	282	21	nd FI - 2	233	2	nd FI - 2	212	2	nd FI - 2	208
Analysis Date	1	1/10/20	23	1	1/10/20	23	1	1/10/20	)23	1	1/10/20	)23
Volume (L)		25			25			25			25	
Limit of Detection (LOD) (Count/M <sup>3</sup> )		40			40			40			40	
Background Density		1			1			1			2	
Other	Count/M <sup>3</sup>	%	Raw Count									
Pollen	ND	n/a	ND									
Fibers	80	n/a	2	40	n/a	1	40	n/a	1	160	n/a	4
Mycelial Fragments	ND	n/a	ND	ND	n/a	ND	ND	n/a	ND	40	n/a	1
Fungal Identification	Count/M <sup>3</sup>	%	Raw Count									
Alternaria sp.	ND			ND			ND			ND		
Ascospores	ND			ND			ND			ND		
Aspergillus/Penicillium	ND			80	50	2	ND			80	20	2
Basidiospores	ND			ND			ND			ND		
Chaetomium sp.	ND			ND			ND			ND		
Cladosporium sp.	40	100	1	40	25	1	40	100	1	80	20	2
Curvularia sp.	ND			ND			ND			ND		
Epicoccum sp.	ND			ND			ND			40	10	1
Myxomycetes/Periconia/Smuts	ND			40	25	1	ND			200	50	5
Nigrospora sp.	ND			ND			ND			ND		
Pestalotia sp.	ND			ND			ND			ND		
Pithomyces sp.	ND			ND			ND			ND		
,												1



13635 GENITO ROAD MIDLOTHIAN, VIRGINIA 23112 TEL: (804) 763-1200 • FAX: (804) 763-1800 Analyzed By:

Justin B. Liverman

AmeriSci Job #: **323111040** FINAL REPORT

Client: France Environmental, Inc.

Client Job#: FEI-23MI505

Client Job Name: CORPS: Thomas C Boushall Middle

**Date Received:** 11/08/23 **Date Reported:** 11/10/23

Suite 7

Address: 7834 Forest Hill Ave

Richmond, VA 23225

School

AmeriSci Number	32:	311104	0-93	32	311104	0-94	32	311104	0-95	32	311104	0-96
Sample Number	:	294401	9		294401	6		294401	13		294402	3
Sample Name	21	nd FI - 2	282	2	nd FI - 2	233	2	nd FI - :	212	2	nd FI - 2	208
Analysis Date	1	1/10/20	23	1	1/10/20	)23	1	1/10/20	)23	1	23	
Volume (L)		25			25			25				
Limit of Detection (LOD) (Count/M <sup>3</sup> )		40			40			40				
Background Density		1			1			1		11/10, 2 4		
Fungal Identification	Count/M <sup>3</sup>	%	Raw Count									
Spegazzinia sp.	ND			ND			ND			ND		
Total Fungal Spores	40	100	1	160	100	4	40	100	1	400	100	10



13635 GENITO ROAD MIDLOTHIAN, VIRGINIA 23112 TEL: (804) 763-1200 • FAX: (804) 763-1800 Analyzed By:

Justin B. Liverman

AmeriSci Job #: 323111040

FINAL REPORT

Client: France Environmental, Inc.

Client Job#: FEI-23MI505

Client Job Name: CORPS: Thomas C Boushall Middle

Date Received: 11/08/23 Date Reported: 11/10/23

Suite 7

Address: 7834 Forest Hill Ave

Richmond, VA 23225

School

Air Cassette Analytical Penort (SOP# 3 24 01)

AmeriSci Number	<u> </u>	311104	4.01) 0-97	_32	311104	0-98	_32	311104	0-99	323	111040	)-100
Sample Number		294401			294401			294401			294399	
Sample Name		29 <del>44</del> 01 nd Fl - :			294401 nd Fl - 2			294401 nd Fl - 2			294398 nd Fl - 2	
Sample Name		iiu Fi - A	207		ilu Fi - 2	290		iiu Fi - A	291	ا کا	iu ri - z	293
Analysis Date	1	1/10/20	)23	1	1/10/20	)23	1	1/10/20	23	1	1/10/20	)23
Volume (L)		25			25			25			25	
Limit of Detection (LOD) (Count/M 3)		40			40			40			40	
Background Density		1			1			1			2	
,												
Other	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count
Pollen	ND	n/a	ND	ND	n/a	ND	ND	n/a	ND	ND	n/a	ND
Fibers	ND	n/a	ND	ND	n/a	ND	40	n/a	1	200	n/a	5
Mycelial Fragments	ND	n/a	ND	ND	n/a	ND	ND	n/a	ND	40	n/a	1
Fungal Identification	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count
Alternaria sp.	ND			ND			ND			ND		
Ascospores	ND			ND			ND			ND		
Aspergillus/Penicillium	ND			ND			ND			40	14	1
Basidiospores	ND			ND			ND			40	14	1
Chaetomium sp.	ND			ND			ND			ND		
Cladosporium sp.	ND			40	50	1	80	50	2	120	43	3
Curvularia sp.	ND			ND			ND			ND		
Epicoccum sp.	ND			ND			ND			ND		
Myxomycetes/Periconia/Smuts	ND			40	50	1	80	50	2	40	14	1
Nigrospora sp.	ND			ND			ND			ND		
Pestalotia sp.	ND			ND			ND			ND		
Pithomyces sp.	ND			ND			ND			ND		
Total Fungal Spores	ND	ND	ND	80	100	2	160	100	4	280	100	7



13635 GENITO ROAD MIDLOTHIAN, VIRGINIA 23112 TEL: (804) 763-1200 • FAX: (804) 763-1800 Analyzed By:

Justin B. Liverman

AmeriSci Job #: 323111040

FINAL REPORT

Client: France Environmental, Inc.

Client Job#: FEI-23MI505

Date Received: 11/08/23 Date Reported: 11/10/23

Address: 7834 Forest Hill Ave Suite 7

Richmond, VA 23225

Client Job Name: CORPS: Thomas C Boushall Middle School

All Gassette Allarytical Re	3011 (001	,, O.E	T.0 1)									
AmeriSci Number	323	311104	0-97	32	311104	0-98	32	311104	0-99	323	111040	-100
Sample Number	:	294401	4		294401	5		294401	17		294399	5
Sample Name	21	nd FI - 2	207	2	nd FI - 2	298	2	nd FI - :	297	2	nd FI - 2	295
Analysis Date	1	1/10/20	23	1	1/10/20	)23	1	1/10/20	)23	1	1/10/20	23
Volume (L)		25			25			25				
Limit of Detection (LOD) (Count/M <sup>3</sup> )		40			40			40		11/10/2 25 40 2		
Background Density		1			1			1			2	
Fungal Identification	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count
Spegazzinia sp.	ND			ND			ND			40	14	1
Total Fungal Spores	ND	ND	ND	80	100	2	160	100	4	280	100	7



13635 GENITO ROAD MIDLOTHIAN, VIRGINIA 23112 TEL: (804) 763-1200 • FAX: (804) 763-1800 Analyzed By:

Justin B. Liverman

AmeriSci Job #: **323111040** FINAL REPORT

**Client: France Environmental, Inc.** 

Address: 7834 Forest Hill Ave

Suite 7

Richmond, VA 23225

Client Job#: FEI-23MI505

Client Job Name: CORPS: Thomas C Boushall Middle

School

Date Received: 11/08/23 Date Reported: 11/10/23

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Air Cassette Analytical Report (SOP# 3.24.01)

AmeriSci Number	323	111040	0-101	323	111040	)-102	323	111040	0-103	323	111040	-104
Sample Number		294399	92		294400	9		294402	21		294402	7
Sample Name	2nd FI -	Rm Be	eside 295	2	nd FI - 2	292	21	nd FI -	140	21	nd FI - 2	236
Analysis Date	1	1/10/20	)23	1	1/10/20	23	1	1/10/20	23	1	1/10/20	23
Volume (L)		25			25			25			25	
Limit of Detection (LOD) (Count/M 3)		40			40			40			40	
Background Density		1			2			2			1	
Other	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count
Pollen	ND	n/a	ND	ND	n/a	ND	40	n/a	1	ND	n/a	ND
Fibers	80	n/a	2	80	n/a	2	120	n/a	3	80	n/a	2
Mycelial Fragments	ND	n/a	ND	ND	n/a	ND	40	n/a	1	ND	n/a	ND
Fungal Identification	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count
Alternaria sp.	ND			ND			ND			ND		
Ascospores	ND			ND			ND			ND		
Aspergillus/Penicillium	40	33	1	80	17	2	160	19	4	40	50	1
Basidiospores	ND			40	8	1	40	5	1	ND		
Chaetomium sp.	ND			ND			ND			ND		
Cladosporium sp.	40	33	1	240	50	6	400	48	10	40	50	1
Curvularia sp.	ND			ND			ND			ND		
Epicoccum sp.	ND			ND			ND			ND		
Myxomycetes/Periconia/Smuts	40	33	1	120	25	3	240	29	6	ND		
Nigrospora sp.	ND			ND			ND			ND		
Pestalotia sp.	ND			ND			ND			ND		
Pithomyces sp.	ND			ND			ND			ND		
Total Fungal Spores	120	100	3	480	100	12	840	100	21	80	100	2



13635 GENITO ROAD MIDLOTHIAN, VIRGINIA 23112 TEL: (804) 763-1200 • FAX: (804) 763-1800 Analyzed By:

AmeriSci Job #: **323111040** FINAL REPORT

Justin B. Liverman

Client: France Environmental, Inc.

Client Job#: FEI-23MI505

Client Job Name: CORPS: Thomas C Boushall Middle

**Date Received:** 11/08/23 **Date Reported:** 11/10/23

Suite 7

Address: 7834 Forest Hill Ave

Richmond, VA 23225

School

AmeriSci Number	323	111040	)-101	323	3111040	0-102	323	111040	0-103	323	111040	-104
Sample Number		294399	2		294400	)9		294402	21		294402	7
Sample Name	2nd Fl -	Rm Be	eside 295	2	nd FI - 2	292	2	nd FI -	140	21	nd FI - 2	236
Analysis Date	1	1/10/20	23	1	1/10/20	)23	1	1/10/20	)23	1	1/10/20	23
Volume (L)		25			25			25				
Limit of Detection (LOD) (Count/M 3)		40			40			40			40	
Background Density		1			2			2		11/1		
Fungal Identification	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count
Spegazzinia sp.	ND			ND			ND			ND		
Total Fungal Spores	120	100	3	480	100	12	840	100	21	80	100	2



13635 GENITO ROAD MIDLOTHIAN, VIRGINIA 23112 TEL: (804) 763-1200 • FAX: (804) 763-1800 Analyzed By:

Justin B. Liverman

AmeriSci Job #: 323111040

FINAL REPORT

Client: France Environmental, Inc.

Client Job#: FEI-23MI505

Client Job Name: CORPS: Thomas C Boushall Middle

Date Received: 11/08/23

Suite 7

Address: 7834 Forest Hill Ave

School

Date Reported: 11/10/23

Richmond, VA 23225

Air Cassette Analytical Report (SOP# 3.24.01)

AmeriSci Number	323	111040	)-105	323	111040	0-106	323	111040	0-107	323	111040	)-108
Sample Number		294402	.4		294402	22		294402	28		294403	32
Sample Name	2	nd FI - 2	237	2	nd FI - 2	249	15	st FI - G	Sym	1st FI -	Girls Lo	ocker Rm
Analysis Date	1	1/10/20	23	1	1/10/20	)23	1	1/10/20	)23	1	1/10/20	23
Volume (L)		25			25			25			25	
Limit of Detection (LOD) (Count/M <sup>3</sup> )		40			40			40			40	
Background Density		1			1			1			2	
Other	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count
Pollen	ND	n/a	ND	ND	n/a	ND	ND	n/a	ND	ND	n/a	ND
Fibers	80	n/a	2	40	n/a	1	ND	n/a	ND	80	n/a	2
Mycelial Fragments	ND	n/a	ND	ND	n/a	ND	ND	n/a	ND	40	n/a	1
Fungal Identification	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count
Alternaria sp.	ND			ND			ND			ND		
Ascospores	ND			ND			ND			ND		
Aspergillus/Penicillium	40	50	1	ND			ND			680	61	17
Basidiospores	ND			ND			ND			40	4	1
Chaetomium sp.	ND			ND			ND			ND		
Cladosporium sp.	40	50	1	ND			40	100	1	320	29	8
Curvularia sp.	ND			ND			ND			ND		
Epicoccum sp.	ND			ND			ND			ND		
Myxomycetes/Periconia/Smuts	ND			ND			ND			80	7	2
Nigrospora sp.	ND			ND			ND			ND		
Pestalotia sp.	ND			ND			ND			ND		
Pithomyces sp.	ND			ND			ND			ND		
Total Fungal Spores	80	100	2	ND	ND	ND	40	100	1	1120	100	28



13635 GENITO ROAD MIDLOTHIAN, VIRGINIA 23112 TEL: (804) 763-1200 • FAX: (804) 763-1800 Analyzed By: Justin B. Liverman

AmeriSci Job #: 323111040

FINAL REPORT

Client: France Environmental, Inc.

Richmond, VA 23225

Client Job#: FEI-23MI505

Client Job Name: CORPS: Thomas C Boushall Middle

Date Received: 11/08/23 Date Reported: 11/10/23

Suite 7

Address: 7834 Forest Hill Ave

School

All Gassette Allarytical Re	3011 (001	<i>"</i> O.E	1.01)									
AmeriSci Number	323	111040	)-105	323	111040	D-106	323	111040	0-107	323	111040	-108
Sample Number		294402	.4		294402	22		294402	28		294403	2
Sample Name	21	nd FI - 2	237	2	nd FI - 2	249	15	st FI - G	Sym	1st FI -	Girls Lo	ocker Rm
Analysis Date	1	1/10/20	23	1	1/10/20	)23	1	1/10/20	)23	1	1/10/20	23
Volume (L)		25			25			25				
Limit of Detection (LOD) (Count/M <sup>3</sup> )		40			40			40			40	
Background Density		1			1			1			2	
Fungal Identification	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count
Spegazzinia sp.	ND			ND			ND			ND		
Total Fungal Spores	80	100	2	ND	ND	ND	40	100	1	1120	100	28



Suite 7

# AmeriSci Bio-Chem

13635 GENITO ROAD MIDLOTHIAN, VIRGINIA 23112 TEL: (804) 763-1200 • FAX: (804) 763-1800 Analyzed By:

Justin B. Liverman

AmeriSci Job #: 323111040 FINAL REPORT

Client: France Environmental, Inc. Client Job#: FEI-23MI505 Date Received: 11/08/23 Client Job Name: CORPS: Thomas C Boushall Middle Address: 7834 Forest Hill Ave

School

Date Reported: 11/10/23

Air Cassette Analytical Report (SOP# 3.24.01)

Richmond, VA 23225

AmeriSci Number	323	111040	)-109	323	111040	)-110	323	111040	0-111	323	111040	)-112
Sample Number		294399	4		294399	7		294401	0		294402	
Sample Name	1st FI	- Coacl	n Office	1st FI - I	Boys Lo	ocker Rm	1st FI	- Coacl	h Office	1st FI - C	Office 14	14 In Gym
Analysis Date	1	1/10/20	23	1	1/10/20	23	1	1/10/20	)23	1	1/10/20	23
Volume (L)		25			25			25			25	
Limit of Detection (LOD) (Count/M <sup>3</sup> )		40			40			40			40	
Background Density		1			1			2			2	
									ı			
Other	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count
Pollen	ND	n/a	ND	ND	n/a	ND	ND	n/a	ND	ND	n/a	ND
Fibers	80	n/a	2	40	n/a	1	120	n/a	3	80	n/a	2
Mycelial Fragments	ND	n/a	ND	ND	n/a	ND	40	n/a	1	ND	n/a	ND
Fungal Identification	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count
Alternaria sp.	ND			ND			ND			ND		
Ascospores	ND			ND			ND			ND		
Aspergillus/Penicillium	ND			ND			40	3	1	40	6	1
Basidiospores	ND			ND			40	3	1	40	6	1
Chaetomium sp.	ND			ND			40	3	1	ND		
Cladosporium sp.	80	50	2	ND			520	39	13	160	24	4
Curvularia sp.	ND			ND			ND			ND		
Epicoccum sp.	ND			ND			ND			ND		
Myxomycetes/Periconia/Smuts	80	50	2	ND			680	52	17	440	65	11
Nigrospora sp.	ND			ND			ND			ND		
Pestalotia sp.	ND			ND			ND			ND		
Pithomyces sp.	ND			ND			ND			ND		
Total Fungal Spores	160	100	4	ND	ND	ND	1320	100	33	680	100	17



13635 GENITO ROAD MIDLOTHIAN, VIRGINIA 23112 TEL: (804) 763-1200 • FAX: (804) 763-1800 Analyzed By:

Justin B. Liverman

AmeriSci Job #: **323111040** FINAL REPORT

Client: France Environmental, Inc.

Client Job#: FEI-23MI505

Client Job Name: CORPS: Thomas C Boushall Middle

**Date Received:** 11/08/23 **Date Reported:** 11/10/23

Suite 7

Address: 7834 Forest Hill Ave

Richmond, VA 23225

School

AmeriSci Number	323	111040	)-109	323	111040	D-110	323	111040	D-111	323	111040	-112
Sample Number	:	294399	14		294399	)7		294401	0	:	294402	6
Sample Name	1st FI	- Coacl	n Office	1st FI -	Boys Lo	ocker Rm	1st FI	- Coac	h Office	1st FI - C	Office 14	14 In Gym
Analysis Date	1	1/10/20	23	1	1/10/20	)23	1	1/10/20	)23	1	1/10/20	23
Volume (L)		25			25			25			25	
Limit of Detection (LOD) (Count/M <sup>3</sup> )		40			40			40			40	
Background Density		1			1			2			2	
Fungal Identification	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count
Spegazzinia sp.	ND			ND			ND			ND		
Total Fungal Spores	160	100	4	ND	ND	ND	1320	100	33	680	100	17



13635 GENITO ROAD MIDLOTHIAN, VIRGINIA 23112 TEL: (804) 763-1200 • FAX: (804) 763-1800 Analyzed By:

Justin B. Liverman

AmeriSci Job #: 323111040 FINAL REPORT

Client: France Environmental, Inc.

Address: 7834 Forest Hill Ave

Suite 7

Richmond, VA 23225

Client Job#: FEI-23MI505 Client Job Name: CORPS: Thomas C Boushall Middle

School

Date Received: 11/08/23 Date Reported: 11/10/23

Air Cassette Analytical Report (SOP# 3.24.01)

AmeriSci Number	323	111040	D-113	323	111040	)-114						
Sample Number		294403	33		292262	29						
Sample Name	1st FI	- Danc	e Class	1st	FI - R F	Room						
Analysis Date	1	1/10/20	)23	1	1/10/20	)23						
Volume (L)		25			25							
Limit of Detection (LOD) (Count/M <sup>3</sup> )		40			40							
Background Density		1			1							
Other	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count
Pollen	ND	n/a	ND	ND	n/a	ND						
Fibers	ND	n/a	ND	ND	n/a	ND						
Mycelial Fragments	ND	n/a	ND	ND	n/a	ND						
Fungal Identification	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count
Alternaria sp.	ND			ND								
Ascospores	ND			ND								
Aspergillus/Penicillium	ND			ND								
Basidiospores	ND			ND								
Chaetomium sp.	ND			ND								
Cladosporium sp.	ND			40	100	1						
Curvularia sp.	ND			ND								
Epicoccum sp.	ND			ND								
Myxomycetes/Periconia/Smuts	ND			ND								
Nigrospora sp.	ND			ND								
Pestalotia sp.	ND			ND								
Pithomyces sp.	ND			ND								
Total Fungal Spores	ND	ND	ND	40	100	1						



13635 GENITO ROAD MIDLOTHIAN, VIRGINIA 23112

TEL: (804) 763-1200 • FAX: (804) 763-1800

#### Analyzed By:

Justin B. Liverman

AmeriSci Job #: 323111040 FINAL REPORT

Client: France Environmental, Inc.

Address: 7834 Forest Hill Ave

Suite 7

Richmond, VA 23225

Client Job#: FEI-23MI505

Client Job Name: CORPS: Thomas C Boushall Middle

School

Date Received: 11/08/23 Date Reported: 11/10/23

Air Cassette Analytical Report (SOP# 3.24.01)

All bassette Allalytical Re	90.1 (00.	<i></i> 0.1	,									
AmeriSci Number	323	111040	)-113	323	111040	)-114						
Sample Number	:	294403	3		292262	<u>.</u> 9						
Sample Name	1st FI	- Danc	e Class	1st	FI - R F	Room						
Analysis Date	1	1/10/20	23	1	1/10/20	23						
Volume (L)		25			25							
Limit of Detection (LOD) (Count/M <sup>3</sup> )		40			40							
Background Density		1			1							
Fungal Identification	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count	Count/M <sup>3</sup>	%	Raw Count
Spegazzinia sp.	ND			ND								
Total Fungal Spores	ND	ND	ND	40	100	1						

ND = None Detected

Results relate only to the items tested and are reported mathematically to significant figures.

Name/Title: Justin B. Liverman / Analyst

Date: 11/10/23

Name/Title: Justin B. Liverman / Analyst

Reviewed By: South Friend

Date: 11/10/23

Page 58 of 58



323-11 - 1040 Requested Services (X Boxes)
Non-Viable Culturable

BIO-	(804) 763-1200 Chem Aiha	ACCREDIT	•	IOOO I GA				ore ap	Tape Bulk	Ande	rsen,	Swab	, Bulk
		ntact Informa	ition								E	-	ω
Company: <b>Franc</b>	e Environmental, Inc.			PO#:				len,	e e		3raı	Advance	Advance
Address7834 Fo	rest Hill Avenue, Suite 7, Ric	hmond VA.	23225				₽	pol It	Qualitative	8	<b>&amp;</b>	dva	β
Results To: Jose	ph France	Fax Results?	Y/N	Fax: (804) 918-7	'098		No ID	Ö. Ö	∫ual	<u>  S</u>	tion	in A	
Phone: <b>(804) 716</b> -		Email Y/N: J	France@Fr	anceEnv.com				nus ent o	0	eur	jera	eq	Pal
<u>,,</u>	Project Information	·		Turnaround Tim	ne Codes		ဝ်	Ge	tion	<u>e</u> 0	Ę,	履	edu
Project #: FEI-23	BMI505		1	ndard: 2 Days (Non-\ Hours (Non-viable)	viable)		Count	· Count and Genus ID, pollen, mycelial fragment count	ntifica	ntal Fungal G Enumeration	sterial El	- Scheduled	- Scheduled i Only
Project: Name CORI	PS: Thomas C. Boushall Middle	School		hours (Non-viable)			ore (	on Joy	lde	late In	Sce	6	ioi
Invoice To: Jose		<u> </u>		nds: Scheduled by			Fungal Spore Count Only	Fungal Spore C	Fungal Genus Identification	Environmental Fungal Genus ID Enumeration	Environmental Bacterial Enumeration & Gram Stain ID	Speciation	Bacterial speciation
Sampling Date(s): 11-7-23				ceived after 5pm, on we ered received the next		irop-box,	Fun	Sal S fibe	ıngal	Envi	ronme	Fungal S	terial
Sample ID	Description	Sample Type (Below)	TAT (Above)	Total Volume/Area (as applicable)	Note (Time, Ten			Ē			Envi	Fu	Вас
2922640	Outside Bldg. – Pre-	ST		25 LTRS				X					
000000	Back D.	ST	STD	25 LTRS				X		-			+
2922660	1st Fl. – D Room	ST	STD	25 LTRS				X	_			-	
2922620	1st Fl. – S Room	ST	STD	25 LTRS				X	-	<del></del>		+	
2922624	1 <sup>st</sup> Fl. – AP #1	ST	STD	25 LTRS				X				-	
2922611	1 <sup>st</sup> Fl Receptionist	ST	STD	25 LTRS				X	ļ <u>.</u>	-		<del> </del>	-
2922616	1 <sup>st</sup> Fl. – N Room		STD		· · · · · · · · · · · · · · · · · · ·			X				<del> </del>	
2922605	1st Fl. – EX Room	ST	STD	25 LTRS					-	ļ		<u> </u>	
2922601	1 <sup>st</sup> Fl. – Space Room #2	ST	STD	25 LTRS				X	<u> </u>	<u> </u>			
2922732	1 <sup>st</sup> Fl ORM	ST	STD	25 LTRS				X					-
2922621	1st Fl. – W Room	ST	STD	25 LTRS				X		ļ		<u> </u>	
2922644	1 <sup>st</sup> FI. – AP #2	ST	STD	25 LTRS				X				<u></u>	
2922633	1st Fl. – BS Room	ST	STD	25 LTRS		,	<del> </del>	X	<u> </u>			<u></u>	
Sa	ample Type Codes			uished By		Date & Tim	e	·	Recei	ved B			Date & Time
AP – Andersen Plate SW - Swab	T - Tape ST - Spore Trap: Zefon, Micro5,		Andre	v Baild		11-8-23					NOV	eceive	
<b>B</b> - Bulk	Cyclex-d, etc.											ĂW	<b>T</b> ,

Notes:

(Time, Temp, Etc.)



Results To: Joseph France

Phone: (804) 716-0560

Project:

Sampling

Date(s): 11-7-23

Sample ID

2922654

2922652

2922648

2922623

2922628

2922641

2922736

2922659

2922608

2922639

2922619

2922715

AP - Andersen

SW - Swab

B - Bulk

Plate

Name

Project #: FEI-23MI505

Invoice To: Joseph France

Company: France Environmental, Inc.

Address 7834 Forest Hill Avenue, Suite 7, Richmond VA. 23225

**Project Information** 

CORPS: Thomas C. Boushall Middle School

Description

1st Fl. - IP Room

1st Fl. - G Room

1st Fl. - C Room

1st Fl. - ORM

1<sup>st</sup> FI. -- L-150

1st Fl. - L-111

1st Fl. - TL

**Sample Type Codes** 

Cyclex-d, etc.

T - Tape

1<sup>st</sup> Fl. – GS Room

1<sup>st</sup> Fl. – CHC Room

1st Fl. - L-150 File Room

1<sup>st</sup> Fl. – L-150 Strge Rm

ST - Spore Trap: Zefon, Micro5.

1<sup>st</sup> Fl. – Conf. Room

#### 13635 Genito Road Midlothian, VA 23112 (804) 763-1200 Phone / (804) 763-1800 Fax **AIHA ACCREDITED 175122**

Fax Results? Y/N

Sample

Type

(Below)

ST

PO#:

STD - Standard: 2 Days (Non-viable) 24 - 24: 24 Hours (Non-viable)

**R** – Rush: 6 hours (Non-viable)

C - Culture: 7-14 Days

Email Y/N: JFrance@FranceEnv.com

TAT

(Above)

STD

Relinquished By

Andrew Baird

Fax: (804) 918-7098

**Turnaround Time Codes** 

**W** – Weekends: Scheduled by noon ET Friday Only \*\*\*Samples received after 5pm, on weekends or in drop-box,

will be considered received the next business day.

Total

Volume/Area (as

applicable)

25 LTRS

**25 LTRS** 

**25 LTRS** 

**25 LTRS** 

**25 LTRS** 

**25 LTRS** 

25 LTRS

**25 LTRS** 

**25 LTRS** 

25 LTRS

**25 LTRS** 

25 LTRS

Contact Information

, <b></b>		Domi	20424	Cond	200 /Y	Da-	(ac)
-	No	<b>Requ</b> on-Vial		Servi	Cultui		(45)
	Sp	ore ap	Tape Bulk	Ande	rsen, S		, Bulk
ay Only drop-box,	Fungal Spore Count Only - No ID	Fungal Spore Count and Genus ID, pollen, fiber & mycelial fragment count	Fungal Genus Identification – Qualitative	Environmental Fungal Genus ID & Enumeration	Environmental Bacterial Enumeration & Gram Stain ID	Fungal Speciation - Scheduled in Advance	Bacterial speciation – Scheduled in Advance Only
		X					
		X					
		х					
		X					
		X					
+		Х					
		Х					
		Х					
-		Х					
		х					
		X					
		X					
Date & Time	е	F	Receiv	ved By	*	eceiv	Date &
11-8-23					NOV		2023



**Requested Services (X Boxes)** Non-Viable Culturable

AMERISCI BIO-	, , ,	ACCREDIT	•	1800 Fax 🔑				ore ap	Tape Bulk	Ande	rsen, :	Swal	o, Buik
	Co	ntact Informa	ition					-			E		Φ
Company: Franc	e Environmental, Inc.			PO#:				en,	, Ve		Gram	nce	) and
Address <b>7834 Fo</b>	rest Hill Avenue, Suite 7, Ric	hmond VA.	23225				₽	po F	Qualitative	<u>ಹ</u>	8 (	Advance	Advance
Results To: <b>Jose</b>	ph France	Fax Results?	Y/N	Fax: (804) 918-7	098		No ID	Ö, ĭĭ	λual	]] s	tion	пA	_
Phone: (804) 716-	0560	Email Y/N: J	France@Fr	anceEnv.com				nus ent c	<u> </u>	eun	iera	ed i	<u> </u>
	Project Information			Turnaround Tim	e Codes		Only	Gel Green	tion	E G	ב ה	l Ing	edu
Project #: FEI-23	MI505			ndard: 2 Days (Non-v Hours (Non-viable)	viable)		Count	Count and Genus ID, pollen, mycelial fragment count	ntifica	Funga merati	rial Er tain ID	- Scheduled in	Only - Scheduled i Only
Project: Name CORF	PS: Thomas C. Boushall Middle	School	<b>R</b> – Rush: 6	hours (Non-viable)			ore	Sour Your	ep!	intal Enu	acte	ioi	tion
Invoice To: Jose				e: 7-14 Days ends: Scheduled by received after 5pm, on w			Fungal Spore	Fungal Spore (	Fungal Genus Identification	Environmental Fungal Genus ID Enumeration	Environmental Bacterial Enumeration & Stain ID	Speciation	speciation
Sampling Date(s): 11-7-23			will be consid	ered received the next	business day.	JIOP-DOX,	Fu	gals	ngal	Env	- Luo	gal	Sacterial
Sample ID	Description	Sample Type (Below)	TAT (Above)	Total Volume/Area (as applicable)	Note (Time, Ten			Fun	Ē		Envir	Fungal	Bact
2922612	1st Fl. – Prep Room	ST	STD	25 LTRS				X					
2922670	1 <sup>st</sup> FI. – L-106	ST	STD	25 LTRS				Х					
2922666	1st Fl L-155	ST	STD	25 LTRS				Х					
2922646	1st Fl. – L-156	ST	STD	25 LTRS				X					
2922667	1 <sup>st</sup> Fl. – Hall Next to L156	ST	STD	25 LTRS				X					
2922638	1 <sup>st</sup> Fl. – L-150	ST	STD	25 LTRS				Х					
2922733	Outside Bldg.–Mid-Day-Front	ST	STD	25 LTRS				Х					
2922767	1st Fl. – L-192	ST	STD	25 LTRS				х					
2922720	1 <sup>st</sup> Fl. – L-187	ST	STD	25 LTRS				Х					
2922656	1 <sup>st</sup> Fl 184	ST	STD	25 LTRS				Х					
2922637	1 <sup>st</sup> Fl 185	ST	STD	25 LTRS				Х					
2922773	1 <sup>st</sup> Fl. – L-158	ST	STD	25 LTRS				X					
	Imple Type Codes		Relinq	uished By		Date & Time	₽	1	Recei	ved B	y	B	Date & ecdivere
AP – Andersen	T - Tape		Made	w Baird		11-8-23	1			<del>-</del>			
Plate SW - Swab B - Bulk	ST - Spore Trap: Zefon, Micro5, Cyclex-d, etc.											IOV /	0 9 202



323-11-1040

Requested Services (X Boxes) Non-Viable Culturable Spore Tape Andersen, Swab, Bulk

Bio-C	HEM AIHA	ACCREDIT	ED 175122			1	rap	Bulk	Ande	rsen,	owab	, bulk
	Cor	ntact Informa	ition							٦		0
Company: France	e Environmental, Inc.			PO#:			en,	\ e		3rar	nce	ance
Address7834 For	est Hill Avenue, Suite 7, Ric	hmond VA.	23225				<b>E</b> +	Qualitative	<b>જ</b>	<u>ಷ</u>	dva	Adva
Results To: <b>Josep</b>	oh France	Fax Results?		Fax: (804) 918-7	<b>'098</b>	Q 9 °		Sual	ls II	tion	in A	in /
Phone: <b>(804) 716-</b> 0	)560	Email Y/N: J	France@Fr	anceEnv.com			nus ant	1	enr	era	eq	per
	Project Information		-	Turnaround Tin	ne Codes	ნ	Ge Ge	ţi		Ę,	npe	edu
Project #: FEI-23	MI505		I	ndard: 2 Days (Non-	viable)	onut	and I fra	tifica	ung	ial E	- Scheduled in Advance	- Scheduled in Advance Only
Project:				Hours (Non-viable)		O e	u tr	den	al F Pun	Ster		
Name CORP	S: Thomas C. Boushall Middle	School	1	6 hours (Non-viable) e: 7-14 Days		poo	.   S E	) sn	  -  E	Ва	atio	iatic
Invoice To: <b>Jose</b>	oh France		W - Weeke	ends: Scheduled by	noon ET Friday Only		ore &	Seni	onn	ntal	)eci	bec
Sampling Date(s): 11-7-23				eceived after 5pm, on v lered received the next	veekends or in drop-box business day.	Fungal Spore Count Only	Fungal Spore Count and Genus ID, pollen, fiber & mycelial fragment count	Fungal Genus Identification	Environmental Fungal Genus ID & Enumeration	Environmental Bacterial Enumeration & Gram Stain ID	Fungal Speciation	Bacterial speciation
Sample ID	Description	Sample Type (Below)	TAT (Above)	Total Volume/Area (as applicable)	Notes: (Time, Temp, Etc.)		Fun	3		Envir	Fun	Bact
2922729	1 <sup>st</sup> Fl. – L-175	ST	STD	25 LTRS			X					
2922764	1 <sup>st</sup> Fl. – L-166	ST	STD	25 LTRS			X					
2922744	1 <sup>st</sup> FI. – L-166 - Office	ST	STD	25 LTRS			X					
2922636	1st Fl L-166 - Classrm #1	ST	STD	25 LTRS			X			_		
2922718	1 <sup>st</sup> FI L-166 - Classrm #2	ST	STD	25 LTRS			X			<u> </u>		
2922676	1 <sup>st</sup> Fl. – Maintenance - Office	ST	STD	25 LTRS		_	X					
2922713	1st Fl Maintenance - Break Rm	ST	STD	25 LTRS			X					
2922664	1 <sup>st</sup> Fl Kitchen	ST	STD	25 LTRS			X					
2922643	1 <sup>st</sup> Fl Commons	ST	STD	25 LTRS			X					
2922750	1 <sup>st</sup> FI. – Kitchen Office	ST	STD	25 LTRS			X				ļ	
2922677	1 <sup>st</sup> Fl. – Security Office	ST	STD	25 LTRS			X					
2922761	1 <sup>st</sup> Fl. – Media Rm Conf Rm	ST	STD	25 LTRS			X		<u></u>		<u> </u>	<u></u>
Sa	mple Type Codes			uished By	Date &	k Time		Recei	ved B	_		Date 8
AP – Andersen Plate SW - Swab	T - Tape ST - Spore Trap: Zefon, Micro5,		Andre	w Baurd	11-8-2	3					eceiv	
<b>B</b> - Bulk	Cyclex-d, etc.										MW	V 49



Requested Services (X Boxes)

Non-Viable Culturable

Spore Tape Trap Bulk

Andersen, Swab, Bulk

	Co	ntact Informa	ition	,							E		o l
Company: Franc	e Environmental, Inc.			PO#:				en,	Š.		Gal	20	au
Address <b>7834 Fo</b> i	rest Hill Avenue, Suite 7, Ric	hmond VA.	23225		<u> </u>		₽	를 는	Qualitative	<u>ಹ</u>	એ એ	Advance	Scheduled in Advance
Results To: <b>Jose</b>	oh France	Fax Results?		Fax: (804) 918-7	098		- No ID	<u>0</u> 8	Sual	]] ]]	tion	Ā	j.
Phone: <b>(804) 716</b> -	0560	Email Y/N: J	France@Fr	anceEnv.com			<u>- Y</u>	nus ent (	<u> </u>	enc	iera Iera	Scheduled in	led
	Project Information			Turnaround Tim	e Codes		ō	Ge	텵	a S n	<u>F</u>	npe	edu
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Invoice To: Jose	PS: Thomas C. Boushall Middle	School	R – Rush: 6 C – Culture W – Weeke	Hours (Non-viable) 5 hours (Non-viable) 6: 7-14 Days 6: Scheduled by received after 5pm, on w	noon ET Friceekends or in	lay Only drop-box,	Fungal Spore Count Only	Fungal Spore Count and Genus ID, pollen, fiber & mycelial fragment count	Fungal Genus Identification	Environmental Fungal Genus ID & Enumeration	Environmental Bacterial Enumeration & Gram Stain ID	Fungal Speciation – 9	Bacterial speciation –
Sampling Date(s): 11-7-23			will be consid	ered received the next I	business day.		교	igai fit	nga	En	uuo	gal	eria
Sample ID	Description	Sample Type (Below)	TAT (Above)	Total Volume/Area (as applicable)		tes: emp, Etc.)		TuT.	Ţ		Envir	Fu	Bact
2922651	1st Fl. – AV Rm #1	ST	STD	25 LTRS				Х					
2944066	Outside Bldg. – Post - Back	ST	STD	25 LTRS				X					
2944076	2nd Fl 290	ST	STD	25 LTRS				X					
2944071	2nd Fl 286	ST	STD	25 LTRS				X					
2944075	2nd Fl 138	ST	STD	25 LTRS				X					
2944085	2nd Fl 267	ST	STD	25 LTRS				X					
2944086	2nd Fl 142	ST	STD	25 LTRS				X					
2944093	2nd Fl 250	ST	STD	25 LTRS				Х					
2944090	2nd Fl 141	ST	STD	25 LTRS				X					
2944092	2nd Fl. – 7th Grade Counselor	ST	STD	25 LTRS				X					
2944089	2nd Fl 241	ST	STD	25 LTRS				X					
2944088	2nd Fl. – 235	ST	STD	25 LTRS				X					
Sa	mple Type Codes			uished By		Date & Tin	ne	F	Recei	ved B	y		Date & Time
<b>AP</b> – Andersen Plate	Т - Таре		Andre	w Baird		11-8-23					F	Receiv	
SW - Swab B - Bulk	ST - Spore Trap: Zefon, Micro5, Cyclex-d, etc.										NOV	09	2023



323-11-1040

Requested Services (X Boxes)

Non-Viable Culturable

Spore Tape Trap Bulk

Andersen, Swab, Bulk

	Co	ntact Informa	ition								L		0
Company: Franc	e Environmental, Inc.			PO#:				en,	ē		3rar	JCe	
Address <b>7834 Fo</b>	rest Hill Avenue, Suite 7, Ric	chmond VA.	23225				₽	pollen, nt	Qualitative	જ •	જ	Scheduled in Advance	Scheduled in Advance
Results To: Jose	ph France	Fax Results?	Y/N	Fax: (804) 918-7	098		2	Ö, ≌	Jual	ıs IC	ţi	li A	ii /
Phone: (804) 716-	0560	Email Y/N: J	France@Fr	anceEnv.com			<u>^</u>	nus ent o	1	eun	Jera	eq	<u> </u>
	Project Information			Turnaround Tim	ne Codes		ő	Ge	tion	를 ion	Ę,	l Di	edr
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Project:	PS: Thomas C. Boushall Middle	School	1	Hours (Non-viable) hours (Non-viable)			Fungal Spore Count Only - No ID	al Spore Count and Genus ID, pout the second fiber second	Fungal Genus Identification	Environmental Fungal Genus ID Enumeration	Environmental Bacterial Enumeration & Gram Stain ID	۱۲	l O
		3011001	C – Culture	: 7-14 Days			Sp	e E	SUL	l ae l	ä	iati	cia
Invoice To: <b>Jose</b>	pii rialice			nds: Scheduled by a eceived after 5pm, on w			gal	Spor	Ger	ion	ents	bec	sbe
Sampling Date(s): 11-7-23				ered received the next		drop-box,	Fun	Fungal Spore fiber & r	ngal	Envi	muo.	Fungal Speciation	Bacterial speciation
Sample ID	Description	Sample Type (Below)	TAT (Above)	Total Volume/Area (as applicable)	<b>Not</b> (Time, Te			Fun	교		Envir	Fun	Bact
2944074	2nd Fl 266	ST	STD	25 LTRS				X					
2944073	2nd Fl 284	ST	STD	25 LTRS				X					
2944072	2nd Fl 234	ST	STD	25 LTRS				X					
2944067	2nd Fl 231	ST	STD	25 LTRS				X					
2944069	2nd Fl 227	ST	STD	25 LTRS				X					
2944078	2nd Fl. – 210	ST	STD	25 LTRS				X					
2944084	2nd Fl 205	ST	STD	25 LTRS				X					
2944081	2nd Fl 226	ST	STD	25 LTRS				X					
2944083	2nd Fl 230	ST	STD	25 LTRS				X				ļ <u>.</u>	
2944080	2nd Fl 280	ST	STD	25 LTRS				X					
2944079	2nd Fl Hallway A	ST	STD	25 LTRS				X					
2944082	2nd Fl Hallway B	ST	STD	25 LTRS				X					
Sa	ample Type Codes			uished By		Date & Tim	е	R	lecei	ved B	y		Date & Time
AP – Andersen Plate	T - Tape ST - Spore Trap: Zefon, Micro5,		Andre	w Baurh		11-8-23		······································				eceive	d
SW - Swab B - Bulk	Cyclex-d, etc.										NOV	(1X) 0 8 5	1



323-10-1040

Requested Services (X Boxes)

Non-Viable Culturable

Spore Tape Trap Bulk

Andersen, Swab, Bulk

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Company: Franc	e Environmental, Inc.			PO#:			en,	l e		<u> </u>	nce	ance
Address <b>7834 Fo</b>	rest Hill Avenue, Suite 7, Ri	chmond VA.	23225					Qualitative	8	∞ ∞	dva	) Adva
Results To: <b>Jose</b>	ph France	Fax Results?	Y/N	Fax: (804) 918-7	<b>'098</b>	2	: \ <u>`</u> ``	] Taal	IS IE	tion	n A	_i=
Phone: (804) 716-	0560	Email Y/N: J	France@Fr	anceEnv.com		<u>'</u>	nus ent c	١	enu	era	eq	Pel
	Project Information			Turnaround Tim	ne Codes		Ge	ţio	a G io	קם <b>(</b>	ln pe	edu
Project #: FEI-23	MI505			ndard: 2 Days (Non-	viable)		t and	ıtifica	-ung	ial El ain IC	- Sche	<ul><li>Scheduled in Advance</li><li>Only</li></ul>
Project: Name CORF	PS: Thomas C. Boushall Middle	e School	<b>R</b> – Rush: 6	Hours (Non-viable) hours (Non-viable)		only box,	al Spore Count and Genus ID, pollen, fiher & mycelial fragment count	Fungal Genus Identification	Environmental Fungal Genus ID Enumeration	Environmental Bacterial Enumeration & Gram Stain ID	Fungal Speciation – Scheduled in Advance	
Invoice To: <b>Jose</b>	ph France		C - Culture W - Weeke	ends: Scheduled by a eceived after 5pm, on w	noon ET Friday O	nly a	Spore	Genu	ironm	ental	Specia	Bacterial speciation
Sampling Date(s): 11-7-23				ered received the next		, <u> </u>	Fungal (	ngal	En.	шuo	gal	erial
Sample ID	Description	Sample Type (Below)	TAT (Above)	Total Volume/Area (as applicable)	Notes: (Time, Temp, E	tc.)	Fun	T		Envir	Fun	Bact
2944065	1st Fl 104	ST	STD	25 LTRS			X					
2944070	1 <sup>st</sup> Fl 105	ST	STD	25 LTRS			X					
2944064	1st Fl. – Media Center	ST	STD	25 LTRS			X					
2944063	1st Fl. – WK Room	ST	STD	25 LTRS			X					
2944062	1st Fl. – AV Room #3	ST	STD	25 LTRS			X					
2944068	1st Fl. – AV Room #2	ST	STD	25 LTRS			X					
2944000	2nd Fl 288	ST	STD	25 LTRS			X					
2943993	2nd Fl 287	ST	STD	25 LTRS			X					
2944012	2nd Fl 149	ST	STD	25 LTRS			X					
2944008	2nd Fl 272	ST	STD	25 LTRS			X					
2944007	2nd Fl 262	ST	STD	25 LTRS			X					
2944005	2nd Fl. – 264	ST	STD	25 LTRS			X					
Sa	ample Type Codes		-	uished By	Dat	e & Time		Recei	ved B	y.		Date & Time
AP – Andersen Plate SW - Swab	T - Tape ST - Spore Trap: Zefon, Micro5,		Andre	w Burd	11-	8-23				NOV	eceiv	
<b>B</b> - Bulk	Cyclex-d, etc.									NU V	AU	



323-11-1040

Non-Viable Culturable

Spore Tape
Trap Bulk Andersen, Swab, Buik

Requested Services (X Boxes)

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Company: Franc	e Environmental, Inc.			PO#:				len,	e K		Gram		<u>8</u>
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Results To: <b>Jose</b>	ph France	Fax Results?		Fax: (804) 918-7	7098		- No D	Ğ <u>⊖</u>	Jua	II sr	tior	in A	<u>.</u> ⊆
Phone: <b>(804) 716</b> -		Email Y/N: J	France@Fr	anceEnv.com			<u>-</u>	nus	) - (	jen	nera	eq	Per
	Project Information		'	Turnaround Tim	ne Codes		ŏ	S E	tio		٦	edu	) jed
Project #: FEI-23	3MI505			ndard: 2 Days (Non-	•		ng	and I fra	iji H	ung	terial En Stain ID	- Scheduled in Advance	Scheduled in Advance Only
	PS: Thomas C. Boushall Middle	School	1	Hours (Non-viable) hours (Non-viable) T-14 Days			Fungal Spore Count Only	Fungal Spore Count and Genus ID, pollen, fiber & mycelial fragment count	Fungal Genus Identification	Environmental Fungal Genus ID & Enumeration	Environmental Bacterial Enumeration & Stain ID	Fungal Speciation –	Bacterial speciation –
Invoice To: Jose	ph France		W - Weeke	ends: Scheduled by eceived after 5pm, on w	noon ET Frida	ay Only	gal	pore sr	Gen	ron	enta	pec	sbec
Sampling Date(s): 11-7-23			will be consid	ered received the next	business day.	Jrop-box,	F	gal S fibe	ngal	Envi	Ŭ UC	galS	eria
Sample ID	Description	Sample Type (Below)	TAT (Above)	Total Volume/Area (as applicable)	Note (Time, Ten			Fun	ΞŪ		Envir	Fun	Bacte
2944004	2nd Fl 263	ST	STD	25 LTRS				X					
2944002	2nd Fl 261	ST	STD	25 LTRS				X					
2944003	2nd Fl 243	ST	STD	25 LTRS				X					
2944018	2nd Fl 242	ST	STD	25 LTRS	_			X					
2943999	2nd Fl 239	ST	STD	25 LTRS				X					
2943996	2nd Fl 247	ST	STD	25 LTRS				X					
2944006	2nd Fl 281	ST	STD	25 LTRS				X					
2944020	2nd Fl 293	ST	STD	25 LTRS				X					
2944019	2nd Fl 282	ST	STD	25 LTRS				X					
2944016	2nd Fl 233	ST	STD	25 LTRS				X					
2944013	2nd Fl 212	ST	STD	25 LTRS				X					
2944023	2nd Fl. – 208	ST	STD	25 LTRS				X				<u> </u>	
Sa	ample Type Codes			uished By		Date & Time		F	Recei	ved B	y		Date & Time
AP – Andersen Plate	T - Tape ST - Spore Trap: Zefon, Micro5,		Andre	w Baird		11-8-23					Rec	eived	
SW - Swab B - Bulk	Cyclex-d, etc.								-		107,0	9 2	<del></del>



# 13635 Genito Road Midlothian, VA 23112 (804) 763-1200 Phone / (804) 763-1800 Fax 323-11 -1040 **AIHA ACCREDITED 175122**

Non-Viable Culturable Spore Trap Tape Bulk Andersen, Swab, Bulk

Requested Services (X Boxes)

CHEM	AINA ACCREDITED 173122						ар	Bulk	7,1100			
	ntact Informa	tion					_			Ε	•	<b>စ္</b>
e Environmental, Inc.	PO#:					len,	ě.	,	g G	Juce	Advance	
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1700dile 10: 0000pit i faiito							Ö, 9	Sua	]] Sr	tio	i	.⊑
-0560	Email Y/N: J	France@Fr				1	nus ent	1	en	lera	<u>e</u>	Scheduled nly
Project Information			Turnaround Tim	e Codes		ō	g g	fion	al G ion	III C	edu	)ed
Project #: FEI-23MI505  Project: Name CORPS: Thomas C. Boushall Middle School			STD – Standard: 2 Days (Non-viable) 24 – 24: 24 Hours (Non-viable) R – Rush: 6 hours (Non-viable)					us Identifica	iental Fung Enumeral	Bacterial E Stain II		speciation – Sch Only
Invoice To: <b>Joseph France</b> Sampling Date(s): 11-7-23			W – Weekends: Scheduled by noon ET Friday Only  ***Samples received after 5pm, on weekends or in drop-box, will be considered received the next business day.				gal Spore fiber &	ngal Genu	Environm	onmental	gal Specia	erial spec
Description	Sample Type (Below)	TAT (Above)	Total Volume/Area (as applicable)					Fur		Envir	Fung	Bacterial
2nd Fl 207	ST	STD	25 LTRS									
2nd Fl 298	ST	STD	25 LTRS									
2nd Fl 297	ST	STD	25 LTRS				X					
2nd Fl 295	ST	STD	25 LTRS				X		<u> </u>		<u> </u>	
2nd Fl Rm Beside 295	ST	STD	25 LTRS				X					
2nd Fl 292	ST	STD	25 LTRS				X					
2nd Fl 140	ST	STD	25 LTRS				X					
2nd Fl 236	ST	STD	25 LTRS				X					
2nd Fl 237	ST	STD	25 LTRS				X					
2nd Fl 249	ST	STD	25 LTRS				X					
1st Fl Gym	ST	STD	25 LTRS				X					
1st Fl. – Girls Locker Rm	ST	STD	25 LTRS				X					
2944032 1st Fl. – Girls Locker Rm Sample Type Codes					Date & Time	3	Received By					Date & Time
T - Tape ST - Spore Trap: Zefon, Micro5,		Modrew Baird 11-8-23			11-8-23							
SW - Swab B - Bulk SI - Spore Trap: Zefon, Micros, Cyclex-d, etc.							· · · · · ·		Nı	DV D	9 202	23
	core Environmental, Inc. rest Hill Avenue, Suite 7, Riciph France -0560 Project Information BMI505  PS: Thomas C. Boushall Middle ph France  Description  2nd Fl 207 2nd Fl 298 2nd Fl 295 2nd Fl 295 2nd Fl 295 2nd Fl 292 2nd Fl 140 2nd Fl 236 2nd Fl 237 2nd Fl 249 1st Fl Gym 1st Fl Girls Locker Rm ample Type Codes  T - Tape ST - Spore Trap: Zefon, Micro5,	Contact Information   Fax Results?	Contact Information   Fax Results?   Y/N   Contact Information   Contact Information	Contact Information   Po#:	Contact Information   PO#:     PO#:       PO#:	Contact Information   PO#:	Contact information   PO#:     PO#:       PO#:       PO#:       PO#:       PO#:       PO#:     PO#:     PO#:     PO#:     PO#:     PO#:     PO#:     PO#:     PO#:     PO#:     PO#:   Post   Post   Prance   Fax Results?   Y/N   Fax: (804) 918-7098   Project Information   Fax Results?   Y/N   Fax: (804) 918-7098   Project Information   Project Information   Turnaround Time Codes   Project Information   Turnaround Time Codes   Project Information   SMI505   STD - Standard: 2 Days (Non-viable)   Project Information   Project	Contact Information   PO#:     PO#:	Contact Information   PO#:   PO#:	Contact Information   PO#:   PO#:     PO#:       PO#:	Contact Information   PO#:   PO#:	Contact Information   PO#:   PO#:



# 13635 Genito Road Midlothian, VA 23112 (804) 763-1200 Phone / (804) 763-1800 Fax

323-11-1040

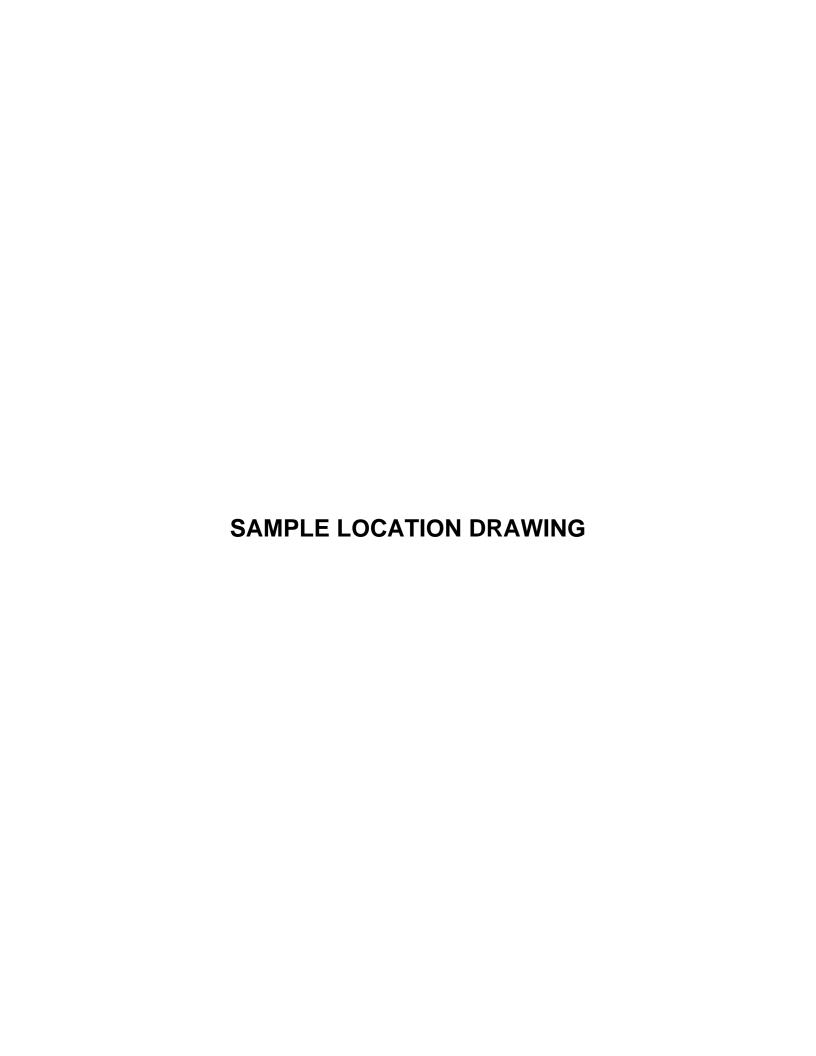
Non-Viable Culturable

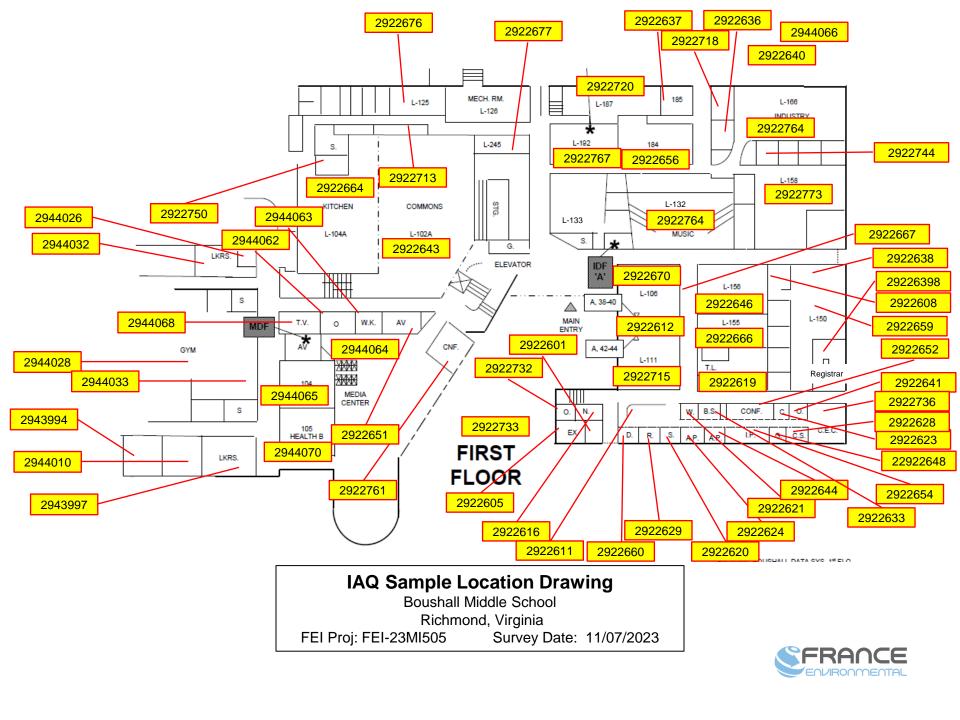
Spore Tape Bulk

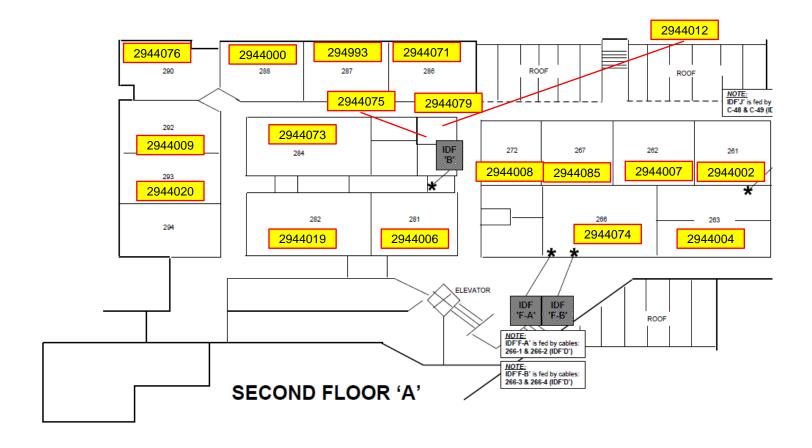
Andersen, Swab, Bulk

Requested Services (X Boxes)

B10-	CHEM AIHA	ACCREDITED 175122					Trap		Bulk	Andersen, Swab, Bulk				
	Cor	ntact Informa	tion								Ε	4.	Φ	
Company: France Environmental, Inc. PO#:								len,	<u>.</u>		Grai	Scheduled in Advance	in Advance	
Address <b>7834 Fo</b>	rest Hill Avenue, Suite 7, Ric	hmond VA.	23225				₽	pol nt	Qualitative	8	<u>ھ</u>	dva	Adv	
Results To: <b>Joseph France</b> Fax Results?						- No ID	Gou	Jua	]  sr	atio.	in A	ïË		
			France@FranceEnv.com					ent	<u> </u>	en	nera	eq	Scheduled nly	
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Name CORF	PS: Thomas C. Boushall Middle	School		6 hours (Non-viable)			pod	ပ္သည္ဆို	l sn	lent Ei	Ba	atio	iatic	
Invoice To: <b>Joseph France</b> Sampling Date(s): 11-7-23			C – Culture: 7-14 Days W – Weekends: Scheduled by noon ET Friday Only					pore r	Seni	onn	ntal	Deci	beds	
			***Samples received after 5pm, on weekends or in drop-box, will be considered received the next business day.				Fungal Spore Count Only	Fungal Spore Count and Genus ID, pollen, fiber & mycelial fragment count	Fungal Genus Identification	Environmental Fungal Genus ID &	Environmental Bacterial Enumeration & Gram Stain ID	Fungal Speciation -	Bacterial speciation	
Sample ID	Description	Sample Type (Below)	TAT (Above)	Total Volume/Area (as applicable)	<b>Not</b> (Time, Te		Fur				Envii	Ē	Bac	
2943994	1st Fl. – Coach Office	ST	STD	25 LTRS				X						
2943997	1st Fl. – Boys Locker Rm	ST	STD	25 LTRS				X						
2944010	1st Fl. – Coach Office	ST	STD	25 LTRS				X						
2944026	1st Fl. – Office 144 in Gym	ST	STD	25 LTRS				X		<u></u>			-	
2944033	1st Fl. – Dance Class	ST	STD	25 LTRS				×			ļ			
2922629	1st Fl. – R Room	ST	STD	25 LTRS				×		-				
								-			ļ			
												ļ .	-	
			-						-	-		-	-	
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Sample Type Codes					Date & Tim	е	Received By					Date & Time		
AP – Andersen			Andrew Bard 11-8-23			11-8-23								
Plate <b>SW</b> - Swab	T - Tape ST - Spore Trap: Zefon, Micro5,										Rec	beviec		
<b>B</b> – Bulk	Cyclex-d, etc.									- N	OV O	10a 2N	रेव	





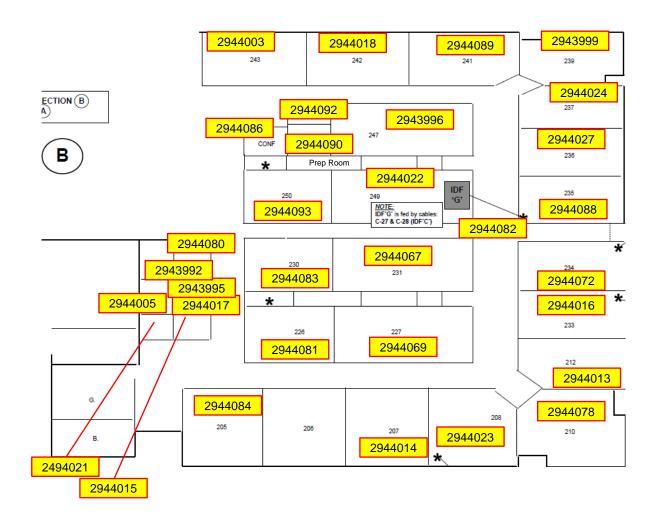


### **IAQ Sample Location Drawing**

Boushall Middle School Richmond, Virginia

FEI Proj: FEI-23MI505 Survey Date: 11/07/2023



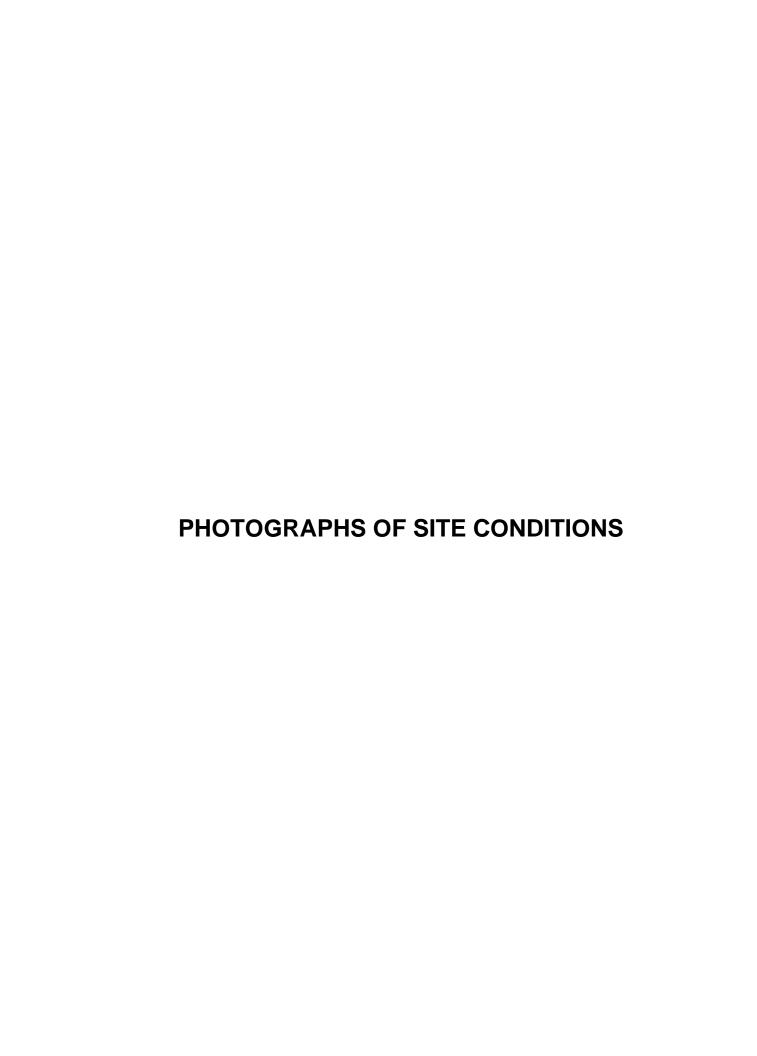


## **IAQ Sample Location Drawing**

Boushall Middle School Richmond, Virginia

FEI Proj: FEI-23MI505 Survey Date: 11/07/2023







<u>Photograph No. 1</u> Showing Typical Dust Loading on Ceiling Diffusers - Prep Room



Photograph No. 2
Showing Typical Dust Loading on Ceiling Diffusers and Ceiling Tile with Stained Ceiling Tile - L155

Survey Date: 11/07/2023 FEI Project: FEI-23MI505



<u>Photograph No. 3</u> Showing Multiple Stained Lay-in Ceiling Tiles - Classroom 227



<u>Photograph No. 4</u> Showing Visible Mold Growth on Ceiling Tile in Classroom 284

# CHART 1 FUNGAL TYPES AND GROUPS

### Chart 1 **Fungal Types and Groups**

#### These are brief descriptions for general informational purposes:

Alternaria (all-tur-nair-ee-uh)

common allergen/contaminant/opportunistic pathogen, one of the most common molds found worldwide in soil and on plants and can commonly be found indoors (frequently appearing black on window frames). It is an important airborne allergen and common agent for hay fever, asthma, and other allergy related symptoms.

Ascospores (ass-co-spores)

a large category of spores (produced in a sac-like structure) that are found everywhere in nature and include more than 3,000 genera. Most Ascospores of health or IAQ importance are identified separately by their genus (e.g. Chaetomium) when possible on a IAQ report, and the Ascospore category is used primarily on these reports for a large group of less important spore types often found in quantity on outdoor air samples. On tape samples, Ascospore is sometimes also used as a general morphological identification (i.e., the ascus or sac structure is present) for certain samples in those cases when the spores do not appear to represent any of the IAQ significant genera.

Aspergillus (as-per-jill-us)

allergen/contaminant/opportunistic pathogen, commonly found in the environment around the world. It comprises approximately 200 species and can appear almost any color. Though commonly found on cultures, tape-lifts, and air samples, its spores are indistinguishable from Penicillium on non-cultured samples (like tape-lifts and air-o-cells) unless the conidiophore is present. Health effects vary by species, but many species are reported to be allergenic. Some species produce toxins that might have significant health effects in humans. Aspergillus is one of the most infectious of molds, but infections are not common in normal immune systems. In immuno-compromised individuals, however, the disease Aspergillosis is a very significant and potentially deadly health concern.

Basidiospores (bah-sid-ee-oh-spores)allergen/contaminant, a general class of spore formed on a structure known as a basidium, characteristic of the Basidiomycete class (that includes rusts, smuts and mushrooms). This category is commonly found in outdoor air samples. Many species are reported to be allergenic and some species are associated with dry rot in wood. Elevated airborne concentrations indoors might be indicative of water damage or too high of humidity.

Chaetomium (k-toe-me-um)

contaminant, rarely involved in systemic and cutaneous disease and sometimes reported to be allergenic. Some species can produce toxins, and there is some research interest on whether these toxins can cause cancer. Primary IAQ importance is currently related to that it will grow in the same conditions as Stachybotrys (wet cellulose) and amplified amounts in indoor air could be a warning that conditions do exist for Stachybotrys growth. Many times on damp sheetrock paper, colonies of Chaetomium and Stachybotrys will be growing on top of one another or side by side (this can also be an important consideration when doing tape lifts of sheetrock because most of the time the colonies are not distinguishable by the naked eve-the small area that is sampled might be a pure colony of just Chaetomium even though numerous colonies of Stachybotrys might exist).

Cladosporium (clad-oh-spore-ee-um) common allergen/contaminant/very rarely pathogenic, found everywhere, many times the most common and numerous mold found in outdoor air. Indoor concentrations are usually not as high, but it is an important airborne allergen and common agent for hay fever, asthma, and other allergy related symptoms. It can thrive in various indoor environments, appearing light green to black (the black mold on air vent grills is usually Cladosporioum).

Curvularia (curve-you-lair-ee-uh)

contaminant/opportunistic pathogen, found in air, soil and textiles. Reported to be allergenic. Rare infections of corneas, nails, and sinuses, primarily in immunocompromised individuals.

Epicoccum (epp-ee-cock-um)

contaminant/opportunistic pathogen, found in soil, air, water and rotting vegetation and can be commonly found in outdoor air. It is a common allergen and rarely can it cause an infection in the skin.

Mycelial Fragments (my-sill-e-ul)

a mass of hyphae; not in the form of large spore producing parts. Hyphae are an individual fungal thread or filament of connected cells. The thread that represents the individual parts of the fungal body.

Myxomycetes (mix-oh'-my-seat)

general category for commonly found genera usually associated with living and decaying plants as well as decaying wood. Sometimes can be found indoors. Some allergenic properties reported, but generally pose no health concerns to humans or animals.

# Chart 1 (Continued) Fungal Types and Groups

#### These are brief descriptions for general informational purposes:

Penicillium (pen-uh-sill-ee-um)

contaminant/opportunistic pathogen, one of the most common genera found worldwide in soil and decaying vegetation and indoors in dust, food and various building materials. Common bread mold is a species of *Penicillium*. Spores usually cannot be distinguished from *Aspergillus* on non-cultured samples (like tape-lifts and air-o-cells). It is reported to be allergenic, to cause certain infections in compromised individuals, and some species do produce toxins unhealthy to humans.

Periconia (per-ee-cone-e-uh)

ubiquitous cosmopolitan. Mostly found in soil, blackened and dead herbaceous stems and leaf spots, grasses, rushes and sedges. Almost always associated with other fungi. Rare case of mycotic keratitis reported. Allergen not studied.

Nigrospora (nie-grow-spore-uh)

ubiquitous cosmopolitan. Especially abundant in warm climates. Mostly found in decaying plant material and soil. Very rare reports of human infection. Rarely found growing indoors. Type I allergies (hay fever, asthma).

Pestalotia (pess-ta-low-tee-uh)

pestalotia is primarily a secondary pathogen. It is saprophytic on dead and dying tissues and is weakly parasitic infecting wounds under moist conditions. Plant pathogen. Allergen not studied.

Pithomyces (pith-oh-my-sees)

contaminant, found on decaying plants, especially leaves and grasses. Rarely found indoors, but it can grow on paper. No reports of allergies or infections, but some species produce a toxin that causes facial eczema in sheep.

Pollen (pol-uhn)

Pollen is a fine powder produced by certain plants when they reproduce. During the spring, summer, and fall seasons, it's released into the air and picked up by the wind, which brings it to other plants to fertilize them. Inside of these pollen grains are proteins that commonly cause allergic reactions (such as sneezing, runny nose, and itchy eyes) when breathed in. The pollen that's most often responsible for causing allergies comes from grasses, trees, and weeds. Many people with asthma are allergic to pollen. When they breathe it in, it can trigger their asthma symptoms.

Smuts/Rusts

general category for commonly found genera usually associated with living and decaying plants as well as decaying wood. Sometimes can be found indoors. Some allergenic properties reported, but generally pose no health concerns to humans or animals.

Spegazzinia (spe-guh-zen-ee-uh)

spegazzinia species comprise a very small proportion of the fungal biota. This genus is somewhat related to other lobed or ornamented genera such as *Candelabrum*. No information is available regarding health effects or toxicity. Allergenicity has not been studied. Usually identified on spore trap samples where it is seen every few weeks. (Spores have very distinctive morphology.) May also be found in air by culturable (Andersen) samples if a long enough incubation period is provided so that sporulation occurs. Our laboratory has never found this organism growing on indoor environmental surfaces. Natural habitat includes soil and many kinds of trees and plants.