Soil and Land Use Technology, Inc.
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Telephone: (301) 595-3783
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March 1, 2021

Prince George's County Public School
Environmental Safety Office
13306 Old Marlboro Pike
Upper Marlboro, MD 20772

Attention: Alex Baylor
alex.baylor@pgcps.org

Subject: Indoor Air Quality Survey
Edgar Allen Poe Alternative Middle School
2001 Shadyside Avenue
Hillcrest Heights, MD 20746

Mr. Baylor:

On November 20, 2020 and February 20, 2021 a Soil and Land Use Technology, Inc. (SaLUT) Industrial Hygienist conducted an indoor air quality (IAQ) evaluation at Edgar Allen Poe Alternative Middle School, a property maintained by Prince George's County Public School (PGCPS) located at 2001 Shadyside Avenue, Hillcrest Heights, MD 20746. The inspection was performed in accordance with PGCPS contract number IFB 022-19.

Corrective Measures Implemented by PGPCS

On February 20, 2021, as part of this assessment, SaLUT conducted the IAQ evaluation, including IAQ instrumentation screening, and observations in affected areas. Prior to this assessment, in response to an initial assessment, PGCPS implemented the following corrective measures in Classroom 101:

1. Identify and clearly assess the affected area;
2. Remove and replace moldy and stained ceiling tiles;
3. Thorough cleanup throughout the affected areas;
4. Operate air scrubbers with HEPA filters in the impacted areas;
5. Monitor and evaluate clean-up operation to determine effectiveness.

Methodology

The IAQ evaluation conducted by SaLUT included a visual assessment, IAQ instrumentation screening, and a collection of interior air samples for mold in representative locations throughout the building. Additionally, one building exterior environmental air sample was taken for comparison.

Air-borne fungal spore samples were collected on *Air-O-Cell* cassettes using a Buck BioAire calibrated pump. The air samples were taken between three and five feet from the ground. In tandem with collecting mold samples, real-time readings for carbon dioxide, carbon monoxide, temperature and relative humidity were collected using a Fluke 975 Air Meter in representative areas within the facility.

The fungal spore air samples were delivered to EMSL Analytical, Inc. of Beltsville, Maryland for analysis. Fungal spores and particulates in air samples were analyzed by Optical Microscopy (methods EMSL 05-TP-003 and ASTM D7391). The sample chain-of-custody and laboratory reports are attached.

Observations

The table below summarizes the main observations from the IAQ survey at Edgar Allen Poe Alternative Middle School, visited on November 20, 2020 and February 20, 2021, respectively.

Table 1.1-Observations

Location	Summary of Observations 11-20-2020
Classroom 101	2'x4' ceiling tiles and 1'x 1' tile floor; No visual signs of microbial growth, and no odor; One stained ceiling tile; No visible dust on floor/other furniture surfaces; No visible dust around ventilator; Central AC.
Between Classrooms 108 & 109	2'x4' ceiling tiles and 1'x 1' tile floor; No visual signs of microbial growth, and no odor; No visible dust on floor/other furniture surfaces; No visible dust around ventilator; Central AC.
Multi-Purpose Room	2'x4' ceiling tiles and 1'x 1' tile floor; No visual signs of microbial growth, and no odor; No visible dust on floor/other furniture surfaces; No visible dust around ventilator; Central AC.
Office 202	2'x4' ceiling tiles and 9"x 9" tile floor; No visual signs of microbial growth, and no odor; No visible dust on floor/other furniture surfaces; No visible dust around ventilator; Central AC.
Classroom 203	2'x4' ceiling tiles and 9"x 9" and 1'x1' tile floor; No visual signs of microbial growth, and no odor; No visible dust on floor/other furniture surfaces; No visible dust around ventilator; Central AC.

Location	Summary of Observations 11-20-2020
Outside Exterior EV Sample	Windy

Table 1.2-Observations

Location	Summary of Observations 02-20-2021
Classroom 101	2'x4' ceiling tiles and 1"x1" tile floor; No visual signs of microbial growth, and no odor; Stained ceiling tiles were replaced.
Outside Exterior EV Sample	Sunny, windy, chilly and clear sky

Measurements of Indoor Environmental Quality Parameters

Table 2 depicts a summary of average measurements of comfort.

Temperature

The American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) have published recommendations for year round acceptable temperatures in Standard 55-2010 *Thermal Environmental Conditions for Human Occupancy*. The winter comfort range is 20 to 24°C (68 to 75°F) and 23 to 26°C (73 to 79°F) is the summer comfort range. The temperature readings were within the ASHRAE recommended ranges in the representative spaces.

Relative Humidity (RH)

RH is a key factor for mold growth. Mold has the potential of growing on suitable surfaces with humidity levels above 60%. ASHRAE Standard 62.1-2010 *Ventilation for Acceptable Indoor Air Quality* recommends a maximum indoor RH of 65% to preclude the likelihood of condensation on cool surfaces encouraging mold growth. The RH readings were within the ASHRAE recommended ranges in the representative areas.

Carbon Dioxide (CO_2)

Under conditions of maximum occupancy, ASHRAE Standard 62.1-2010, Appendix C, infers that the acceptable CO_2 upper limit is the prevailing outdoor CO_2 concentration plus 700 parts per million (ppm). On November 20, 2020**,** the outdoor (building exterior) CO_2 concentration was approximately 419 ppm therefore indoor concentrations should not exceed approximately 1,119 ppm (700 + 419). The maximum average interior CO_2 concentration detected was 495 ppm in Classroom 101, a range within the ASHRAE recommendations, per Table 2 below.

Carbon Monoxide (CO)

CO is a colorless and odorless gas that is produced by the incomplete combustion of carbon containing fuels. Oil, gasoline, diesel fuels, wood, coke, and coal are major sources of CO. All registered CO concentrations were below the EPA National Ambient Air Quality Standard (NAAQS) of 9 ppm, per Table 2 below.

Table 2.1: Edgar Allen Poe Alternative Middle School
Instrumental Screening Levels
November 20, 2020 (7:30AM-9:30 AM)

Sample Location	Temp °F	RH%	CO ppm	CO_2 ppm
Standards	**ASHRAE 68 to 75°F***	**ASHRAE <65%**	**NAAQS 9**	**ASHRAE 1,119**
Classroom 101	68.5	26.2	0	495
Between Classroom 108 & 109	68.3	26.5	0	487
Office 202	72.0	28.9	0	468
Classroom 203	68.4	25.7	0	48
Multi-Purpose Room	69.1	25.2	0	485
Outside Exterior EV Sample	48.0	39.5	0	419

Table 2.2: Edgar Allen Poe Alternative Middle School
Instrumental Screening Levels
February 20, 2021 (7:30 AM-9:30 AM)

Sample Location Standards	Temp °F	RH%	CO ppm	CO2 ppm
Standards	**ASHRAE 68 to 75°F***	**ASHRAE <65%**	**NAAQS 9**	**ASHRAE 1,127**
Classroom 101	65.3	17.7	0	545
Outside Exterior EV Sample	43.7	29.8	0	490

PM – Particulate Matter size
°F – Degrees Fahrenheit
CO – Carbon Monoxide
ppm – parts per million
$\mu g/m^3$ – micrograms per cubic meter
RH% - % Relative Humidity
CO_2 – Carbon Dioxide
* - Winter Comfort Range

Mold-in-Air Samples

There are no definitive regulations or standardized guidelines for addressing airborne mold in an indoor setting. If building systems (ventilation, envelope) are functioning properly, the indoor population profile should mimic what is encountered outdoors and the concentrations should be below the outdoor (building exterior) environmental sample levels.

Table 3.1: Summarizes airborne mold spore sampling results and locations. On November 20, 2021, total mold counts in representative samples (spore count/m^3 of air) in all the areas inspected were lower than the outdoor concentrations with the exception of Classroom 101 and between Classrooms 108 and 109. Laboratory analysis follows this report (see attachment).

Table 3.2: Summarizes airborne mold spore sampling results and locations. On February 20, 2021, total mold counts in representative samples (spore count/m3 of air) in all the areas inspected were lower than the outdoor concentrations. Laboratory analysis follows this report (see attachment).

Table 3.1: Edgar Allen Poe Alternative Middle School
Measurements of Mold-in-Air Samples
November 20, 2020 (7:30 AM-9:30 AM)

Spore Types	Multi-Purpose Room	Classroom 101	Between Classrooms 108 & 109	Office 202
Alternaria (Ulocladium)	-	10*	-	-
Ascospores	-	200	100	-
Aspergillus/Penicillium	590	1,700	680	200
Basidiospores	40	3,500	970	400
Bipolaris++	-	-	-	-
Chaetomium	-	-	-	-
Cladosporium	80	720	510	200
Curvularia	-	-	40	-
Epicoccum	-	-	-	-
Fusarium	-	-	-	-
Ganoderma	-	-	40	10*
Myxomycetes++	-	200	40	-
Pithomyces++	-	-	-	-
Rust	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-
Unidentifiable Spores	-	-	-	-
Zygomycetes	-	-	-	-
Nigrospora	-	10*	-	-
Hyphal Fragment	-	100	80	40
Insect Fragment	-	300	80	100
Pollen	10*	-	-	-
Total Fungi	**720**	**6,740**	**2,540**	**950**

* Spore Counts per cubic meter of air (Counts/m^3).
++Includes other spores with similar morphology.

Table 3.1: Edgar Allen Poe Alternative Middle School
Measurements of Mold-in-Air Samples continued
November 20, 2020 (7:30 AM-9:30 AM)

Spore Types	Classroom 203	Outside Exterior EV Sample	Field Blank
Alternaria (Ulocladium)	-	40	-
Ascospores	10*	100	-
Aspergillus/Penicillium	420	-	-
Basidiospores	1,100	1,500	-
Bipolaris++	-	-	-
Chaetomium	-	-	-
Cladosporium	200	40	-
Curvularia	-	-	-
Epicoccum	-	-	-
Fusarium	-	-	-
Ganoderma	-	-	-
Myxomycetes++	10*	300	-
Pithomyces++	10*	-	-
Rust	-	-	-
Scopulariopsis/Microascus	-	-	-
Stachybotrys/Memnoniella	-	-	-
Unidentifiable Spores	-	-	-
Zygomycetes	-	-	-
Nigrospora	-	-	-
Hyphal Fragment	-	80	-
Insect Fragment	40	-	-
Pollen	-	-	-
Total Fungi	**800**	**2,060**	**No Trace**

*Spore Counts per cubic meter of air (Counts/m^3).
++Includes other spores with similar morphology.

Table 3.2: Edgar Allen Poe Alternative Middle School
Measurements of Mold-in-Air Samples
February 20, 2021 (7:30 AM-9:30 AM)

Spore Types	Classroom 101	Outside Exterior EV Sample	Field Blank
Alternaria (Ulocladium)	-	-	-
Ascospores	-	40	-
Aspergillus/Penicillium	40	100	-
Basidiospores	100	200	-
Bipolaris++	-	-	-
Chaetomium	-	-	-
Cladosporium	-	40	-
Curvularia	-	-	-
Epicoccum	-	-	-
Fusarium	-	-	-
Ganoderma	-	-	-
Myxomycetes++	-	-	-
Pithomyces++	-	-	-
Rust	-	-	-
Scopulariopsis/Microascus	-	-	-
Stachybotrys/Memnoniella	-	-	-
Unidentifiable Spores	-	-	-
Zygomycetes	-	-	-
Nigrospora	-	-	-
Hyphal Fragment	80	-	-
Insect Fragment		-	-
Pollen		-	-
Total Fungi	**140**	**380**	**No Trace**

*Spore Counts per cubic meter of air (Counts/m3).
++Includes other spores with similar morphology.

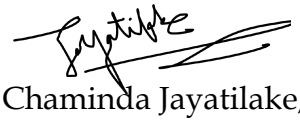
Findings and Conclusions

The comfort parameters (i.e., temperature, RH, CO_2, and CO levels) in the representative areas conform to ASHRAE and/or NAAQS guidelines. On November 20, 2020, total mold counts in representative area samples (spore count/m^3 of air) in all the areas inspected were lower than the outdoor concentrations with the exception of Classroom 101, indicating amplified mold growth.

On February 20, 2021, total mold counts in air samples (spore count/m^3 of air) in Classroom 101 were significantly lower than the outdoor concentrations, indicating no amplified mold growth. Based on the observations, mold spore results, and the results of the indoor air quality parameters tested, the corrective actions implemented were determined to be effective.

Thank you for the opportunity to provide industrial hygiene services for PGCPS. If you have any questions, please contact me at 301.595.3783.

Sincerely,



Chaminda Jayatilake, PE, CIH, CSP, CHMM
Certified Industrial Hygienist
Soil and Land Use Technology Inc. (SaLUT)

Attachment

Attachment - Mold Spore Sample Analytical Results and Chain-of-Custody Forms

Attachment

Mold Spore Sample Analytical Results and Chain-of-Custody Forms

EMSL Analytical, Inc.

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EMSL Order: 192011580
Customer ID: SALU50
Customer PO:
Project ID:

Attention: Indika Jayatilake
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Project: Edgar Allen Poe/ PG County

Phone: (301) 595-3783
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Collected Date: 11/20/2020
Received Date: 11/20/2020 12:08 PM
Analyzed Date: 11/25/2020

Test Report:Air-O-Cell(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number:	192011580-0001			192011580-0002			192011580-0003		
Client Sample ID:	S1			S2			S3		
Volume (L):	75			75			75		
Sample Location:	Multi purpose room			Classroom 101			Between CR 108 & 109		
Spore Types	**Raw Count**	**Count/M³**	**% of Total**	**Raw Count**	**Count/M³**	**% of Total**	**Raw Count**	**Count/M³**	**% of Total**
Alternaria (Ulocladium)	-	-	-	1*	10*	0.2	-	-	-
Ascospores	-	-	-	5	200	3.1	3	100	4.1
Aspergillus/Penicillium	14	590	83.1	41	1700	26.4	16	680	28.1
Basidiospores	1	40	5.6	84	3500	54.4	23	970	40.1
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	2	80	11.3	17	720	11.2	12	510	21.1
Curvularia	-	-	-	-	-	-	1	40	1.7
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	1	40	1.7
Myxomycetes++	-	-	-	4	200	3.1	1	40	1.7
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Nigrospora	-	-	-	1*	10*	0.2	-	-	-
Polythrincium	-	-	-	1*	10*	0.2	-	-	-
Spadicoides	-	-	-	1	40	0.6	-	-	-
Torula-like	-	-	-	1	40	0.6	1	40	1.7
Total Fungi	**17**	**710**	**100**	**156**	**6430**	**100**	**58**	**2420**	**100**
Hyphal Fragment	-	-	-	3	100	-	2	80	-
Insect Fragment	-	-	-	6	300	-	2	80	-
Pollen	1*	10*	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	42	-	-	42	-	-	42	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	2	-	-	1	-	-	2	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	1	-	-	2	-	-	1	-

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.

Abubakar Barry, Microbiology Laboratory Manager or other Approved Signatory

Initial report from: 11/25/2020 09:20 AM

For information on the fungi listed in this report, please visit the Resources section at www.emsl.com

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http://www.EMSL.com / beltsvillelab@emsl.com

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Collected Date: 11/20/2020
Received Date: 11/20/2020 12:08 PM
Analyzed Date: 11/25/2020

Test Report:Air-O-Cell(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number:	192011580-0004			192011580-0005			192011580-0006		
Client Sample ID:	S4			S5			S6		
Volume (L):	75			75			75		
Sample Location:	Office 202			Classroom 203			Ambient		
Spore Types	**Raw Count**	**Count/M³**	**% of Total**	**Raw Count**	**Count/M³**	**% of Total**	**Raw Count**	**Count/M³**	**% of Total**
Alternaria (Ulocladium)	-	-	-	-	-	-	1	40	2
Ascospores	-	-	-	1*	10*	0.6	3	100	5.1
Aspergillus/Penicillium	4	200	24.7	10	420	24	-	-	-
Basidiospores	9	400	49.4	26	1100	62.9	36	1500	75.8
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	5	200	24.7	5	200	11.4	1	40	2
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	1*	10*	1.2	-	-	-	-	-	-
Myxomycetes++	-	-	-	1*	10*	0.6	6	300	15.2
Pithomyces++	-	-	-	1*	10*	0.6	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Nigrospora	-	-	-	-	-	-	-	-	-
Polythrincium	-	-	-	-	-	-	-	-	-
Spadicoides	-	-	-	-	-	-	-	-	-
Torula-like	-	-	-	-	-	-	-	-	-
Total Fungi	**19**	**810**	**100**	**44**	**1750**	**100**	**47**	**1980**	**100**
Hyphal Fragment	1	40	-	-	-	-	2	80	-
Insect Fragment	3	100	-	1	40	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	42	-	-	42	-	-	42	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	2	-	-	2	-	-	1	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	1	-	-	1	-	-	1	-

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.

Abubakar Barry, Microbiology Laboratory Manager or other Approved Signatory

Initial report from: 11/25/2020 09:20 AM

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Project: Edgar Allen Poe/ PG County

Phone: (301) 595-3783
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Collected Date: 11/20/2020
Received Date: 11/20/2020 12:08 PM
Analyzed Date: 11/25/2020

Test Report:Air-O-Cell(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number:	**192011580-0007**		
Client Sample ID:	**S7**		
Volume (L):			
Sample Location:	**FB**		
Spore Types	**Raw Count**	**Count/M³**	**% of Total**
Alternaria (Ulocladium)	-	-	-
Ascospores	-	-	-
Aspergillus/Penicillium	-	-	-
Basidiospores	-	-	-
Bipolaris++	-	-	-
Chaetomium	-	-	-
Cladosporium	-	-	-
Curvularia	-	-	-
Epicoccum	-	-	-
Fusarium	-	-	-
Ganoderma	-	-	-
Myxomycetes++	-	-	-
Pithomyces++	-	-	-
Rust	-	-	-
Scopulariopsis/Microascus	-	-	-
Stachybotrys/Memnoniella	-	-	-
Unidentifiable Spores	-	-	-
Nigrospora	-	-	-
Polythrincium	-	-	-
Spadicoides	-	-	-
Torula-like	-	-	-
Total Fungi	**-**	**No Trace**	**-**
Hyphal Fragment	-	-	-
Insect Fragment	-	-	-
Pollen	-	-	-
Analyt. Sensitivity 600x	-	0	-
Analyt. Sensitivity 300x	-	0*	-
Skin Fragments (1-4)	-	-	-
Fibrous Particulate (1-4)	-	-	-
Background (1-5)	-	-	-

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.

Abubakar Barry, Microbiology Laboratory Manager
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Initial report from: 11/25/2020 09:20 AM

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Received Date: 02/22/2021 11:00 AM
Analyzed Date: 02/25/2021

Test Report:Air-O-Cell(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number:	372102612-0001			372102612-0002			372102612-0003		
Client Sample ID:	3019 9820			30199900			30199803		
Volume (L):	75						75		
Sample Location:	Outside Sample			Field Blank			Classroom 101		
Spore Types	**Raw Count**	**Count/M³**	**% of Total**	**Raw Count**	**Count/M³**	**% of Total**	**Raw Count**	**Count/M³**	**% of Total**
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	1	40	10.5	-	-	-	-	-	-
Aspergillus/Penicillium	3	100	26.3	-	-	-	1	40	28.6
Basidiospores	4	200	52.6	-	-	-	3	100	71.4
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	1	40	10.5	-	-	-	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Total Fungi	**9**	**380**	**100**	**-**	**No Trace**	**-**	**4**	**140**	**100**
Hyphal Fragment	-	-	-	-	-	-	2	80	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	41	-	-	0	-	-	41	-
Analyt. Sensitivity 300x	-	13*	-	-	0*	-	-	13*	-
Skin Fragments (1-4)	-	1	-	-	-	-	-	1	-
Fibrous Particulate (1-4)	-	1	-	-	-	-	-	1	-
Background (1-5)	-	1	-	-	-	-	-	1	-

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.

Vincent Iuzzolino

Vincent Iuzzolino, M.S., Laboratory Manager
or other Approved Signatory

Initial report from: 02/25/2021 11:22 AM

For information on the fungi listed in this report, please visit the Resources section at www.emsl.com

OrderID: 192011580

Microbiology Chain of Custody

EMSL Order Number *(Lab Use Only)*: 192011580

EMSL ANALYTICAL, INC.
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077
PHONE: (800) 220-3675
FAX:(856) 786-0262

Company Name: Salut Inc	**EMSL-Bill to:** ☐ Same ☐ Different If Bill to is Different note instructions in Comments
Street: 1818 New York Ave NE Suite 231	*Third Party Billing requires written authorization from third party.*
City: Washington **State/Province:** DC	**Zip/Postal Code:** **Country:**
Report To (Name): Indika Jayatilake	**Telephone #:**
Email Address: ijayatilake@salutinc.com	**Fax #:** **Purchase Order:**
Project Name/Number: Edgar Allen Poe / PG County	**Please Provide Results:** ☐ Fax ☐ Email
U.S. State Samples Taken: PG County **Project Zip Code:** 20746	**Connecticut Samples:** ☐ Commercial ☐ Residential
Sterile, Sodium Thiosulfate Preserved Bottle Used: ☐ **Biocide Used in Source (specify):** ☐	
Public Water Supply Samples: ☐ **Note: All results may automatically be reported to DOH if required by state.**	

Turnaround Time (TAT) Options - Please Check

☐ 3 Hour	☐ 6 Hour	☐ 24 Hour	☐ 48 Hour	☑ 72 Hour	☐ 96 Hour	☐ 1 Week	☐ 2 Week

Microbiology Test Codes

M001 Air-O-Cell
M174 MoldSnap
M030 Micro 5
M032 Allergenco-D
M041 Fungal Direct Examination
M169 Pollen ID & Enumeration
M280 Dust Characterization Level-1
M281 Dust Characterization Level-2
M005 Viable Fungi- Air Samples (Genus ID & Count)
M006 Viable Fungi- Air Samples (Includes *Penicillium, Aspergillus, Cladosporium, Stachybotrys* Species ID & Count)
M007 Culturable fungi - Surface Samples (Genus ID & Count)
M008 Culturable fungi - Surface Samples (Includes *Penicillium, Aspergillus, Cladosporium, Stachybotrys* Species ID & Count)
M009 Bacteria Culture Gram Stain & Count
M010 Bacteria Count & ID - 3 Most Prominent
M011 Bacteria Count & ID - 5 Most Prominent

M012 *Pseudomonas aeruginosa* (P/A***)
M024 *Pseudomonas aeruginosa* (MFT*)
M015 Heterotrophic Plate Count
M017 Total Coliform & *E. coli* (Colilert P/A***)
M018 Total Coliform & *E. coli* (MFT*)
M114 Total Coliform & *E. coli* Enumeration (Colilert MPN**)
M019 Fecal Coliform (MFT*)
M020 Fecal *Streptococcus* (MFT*)
M029 *Enterococci* (MFT*)
M129 *Enterococci* (Enterolert P/A***)
M180 Real Time qPCR-ERMI 36 Panel
M025 Sewage Screen –Water (MFT*)

M115 Sewage Screen - Water (P/A***)
M116 Sewage Screen - Water (MPN**)
M117 Sewage Screen - Swab (P/A***)
M013 Sewage Screen - Swab (MFT*)
M133 *Methicillin-resistant Staph. aureus* (MRSA)
M031 Rapid-growing non-TB *Mycobacteria* Detection & Enumeration
M014 Endotoxin Analysis
M044 Group Allergen (Cat, Dog, Cockroach, Dust Mite)
Other See Analytical Price Guide
***Legionella* Analysis Please use EMSL *Legionella* COC

*MFT= Membrane Filtration Technique
**MPN= Most Probable Number
***P/A= Presence/Absence

Name of Sampler: shenal Dias **Signature of Sampler:**

Sample #	Sample Location/Description	Sample Type	Potable/ NonPotable (Only for Waters)	Test Code	Volume/ Area	Date/Time Collected	Temperature (°C) (Lab Use Only)
Example A1	Kitchen Sink/Tap	Water	☒ P ☐ NP	M017	100 mL	9/1/13 4:00 PM	
S1	Multi purpose room	Air	☐ P ☐ NP	M001	75	11/20/24	
S2	classroom 101	"	☐ P ☐ NP	"	"	"	
S3	Between CR 108 & 109	"	☐ P ☐ NP	"	"	"	
S4	office 202	"	☐ P ☐ NP	"	"	"	
S5	Classroom 203	"	☐ P ☐ NP	"	"	"	

Client Sample # (s): - **Total # of Samples:** 7 **Samples Received Chilled?** Yes / No (Lab Use Only)

Relinquished (Client): **Date:** **Time:**

Received (Lab): **Date:** **Time:**

Comments/Special Instructions:

RECEIVED
EMSL ANALYTICAL INC.
BELTSVILLE, MD
2024 NOV 20 P 12:08

OrderID: 192011580

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Microbiology Chain of Custody

EMSL Order Number *(Lab Use Only)*:

192011580

EMSL ANALYTICAL, INC.
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077
PHONE: (800) 220-3675
FAX:(856) 786-0262

Additional pages of the chain of custody are only necessary if needed for additional sample information.

Sample #	Sample Location/Description	Sample Type	Potable/ NonPotable (Only for Waters)	Test Code	Volume/ Area	Date/Time Collected	Temperature (°C) (Lab Use Only)
S6	Ambient	Air	☐P ☐NP	M001	75	11/20/20	
S7	FB [field blank]	"	☐P ☐NP	M001	75	"	
			☐P ☐NP				
			☐P ☐NP				
			☐P ☐NP				
			☐P ☐NP				
			☐P ☐NP				
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			☐P ☐NP				
			☐P ☐NP				

Comments/Special Instructions:

OrderID: 372102612

Microbiology Chain of Custody

EMSL Order Number (*Lab Use Only*): 372102612

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

EMSL Analytical, Inc.
10768 Baltimore Avenue
Beltsville, MD 20705
PHONE: (301) 937-5700
FAX: (301) 937-5701

Company Name: SaLUT

EMSL-Bill to: ☑ Same ☐ Different
If 'Bill To' is different, note instructions in Comments
Third Party Billing requires written authorization from third party.

Street: 1818 New York Avenue, NE Suite 231

City: Washington **State/Province:** DC **Zip/Postal Code:** 20002 **Country:** US

Report To (Name): Indika Jayatilake **Telephone #:** 301-595-3783

Email Address: ijayatilake@salutinc.com **Fax #:** 301-595-3787 **Purchase Order:**

Project Name/Number: PGPCS IAQ Reports 19-035 Edgar Allan Poe **Please Provide Results:** ☐ Fax ☒ Email

U.S. State Samples Taken: MD **Project Zip Code:** **Connecticut Samples:** ☐ Commercial ☐ Residential

Sterile, Sodium Thiosulfate Preserved Bottle Used: ☐ **Biocide Used in Source (specify):** ☐

Public Water Supply Samples: ☐ **Note: All results may automatically be reported to DOH if required by state.**

Turnaround Time (TAT) Options - Please Check

☐ 3 Hour ☐ 6 Hour ☐ 24 Hour ☐ 48 Hour ■ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week

Microbiology Test Codes

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M174 MoldSnap
M030 Micro 5
M032 Allergenco-D
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M005 Viable Fungi- Air Samples (Genus ID & Count)
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M007 Culturable fungi - Surface Samples (Genus ID & Count)
M008 Culturable fungi - Surface Samples (Includes *Penicillium, Aspergillus, Cladosporium, Stachybotrys* Species ID & Count)
M009 Bacteria Culture Gram Stain & Count
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M012 *Pseudomonas aeruginosa* (P/A***)
M024 *Pseudomonas aeruginosa* (MFT*)
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M014 Endotoxin Analysis
M044 Group Allergen (Cat, Dog, Cockroach, Dust Mite)
Other See Analytical Price Guide
***Legionella* Analysis** Please use EMSL *Legionella* COC

*MFT= Membrane Filtration Technique
**MPN= Most Probable Number
***P/A= Presence/Absence

RECEIVED EMSL CINNAMINSON, NJ 2021 FEB 24 AM 11:15

Name of Sampler: Jay Nchang **Signature of Sampler:** [signature]

Sample #	Sample Location/Description	Sample Type	Potable/ NonPotable (Only for Waters)	Test Code	Volume/ Area	Date/Time Collected	Temperature (°C) (Lab Use Only)
Example A1	Kitchen Sink/Tap	Water	☒ P ☐ NP	M017	100 mL	9/1/13 4:00 PM	
3019 9820	Outside Sample	Air	☐ P ☐ NP	M001	75 L	2/21/21	
3019 9900	Field Blank	Air	☐ P ☐ NP	M001		2/21/21	
3019 9803	Class Room 101	Air	☐ P ☐ NP	M001	75 L	2/21/21	
			☐ P ☐ NP				
			☐ P ☐ NP				

Client Sample # (s): 3 **Total # of Samples:** 3 **Samples Received Chilled?** Yes / No (Lab Use Only)

Relinquished (Client): Jay Nchang **Date:** 2/21/21 **Time:** 14:00

Received (Lab): L. Foxworth Drop Box **Date:** **Time:**

Comments/Special Instructions:

Edgar Allan Poe Academy ARN 2240 1175

RECEIVED EMSL ANALYTICAL, INC. BELTSVILLE, MD 2021 FEB 22 A 6:23