

February 9, 2021

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

Attention: Alex Baylor  
alex.baylor@pgcps.org

Subject: Indoor Air Quality Survey  
Greenbelt Middle School  
6301 Breezewood Drive  
Greenbelt, MD 20770

Mr. Baylor:

On January 29, 2021, a Soil and Land Use Technology, Inc. (SaLUT) Industrial Hygienist conducted an indoor air quality (IAQ) evaluation at Greenbelt Middle School, a property maintained by Prince George's County Public Schools (PGCPS) located at 6301 Breezewood Drive, Greenbelt, MD 20770. The inspection was performed in accordance with PGCPS contract number IFB 022-19.

### **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 Greenbelt Middle School, visited on January 29, 2021.

**Table 1-Observations**

Location	Summary of Observations 01-29-2021
Room 1028	2'x4' ceiling tiles and 12" x 12" tile floor; No visual signs of microbial growth; Mild odor; No visible dust on floor/other furniture surfaces; No visible dust around ventilator; Central AC.
Room 1079	2'x4' ceiling tiles and 12"x12" 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.
Room 2016	2' x 4' ceiling tiles and 12" x 12" tile floor; No visual signs of microbial growth; Mild odor; No visible dust on floor/other furniture surfaces; No visible dust around ventilator; Central AC.
Room 2040	2'x4' ceiling tiles and 12"x12" 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.
Room 2065	2'x4' ceiling tiles and 12" x 12" tile floor; No visual signs of microbial growth; Mild odor; No visible dust on floor/other furniture surfaces; No visible dust around ventilator; Central AC.
Gymnasium	Exposed metal ceiling and sealed wood floor; No visual signs of microbial growth; Mild odor; No visible dust on floor/other furniture surfaces; No visible dust around ventilator; Central AC.
Cafeteria	2'x2' ceiling tiles and 12"x12" tile floor; No visual signs of microbial growth; Mild odor; No visible dust on floor/other furniture surfaces; No visible dust around ventilator; Central AC.

Media Room	2'x2' ceiling tiles and 12"x12" tile floor; No visual signs of microbial growth; Mild odor; No visible dust on floor/other furniture surfaces; No visible dust around ventilator; Central AC.
Main Office	2'x 2' ceiling tiles and 12"x12" tile floor; No visual signs of microbial growth; Mild odor; No visible dust on floor/other furniture surfaces; No visible dust around ventilator; Central AC.

### **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 with the exception of some locations.

#### **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 lower than the ASHRAE recommended ranges in the representative areas.

#### **Carbon Dioxide (CO<sub>2</sub>)**

Under conditions of maximum occupancy, ASHRAE Standard 62.1-2010, Appendix C, infers that the acceptable CO<sub>2</sub> upper limit is the prevailing outdoor CO<sub>2</sub> concentration plus 700 parts per million (ppm). On the day of the space evaluation, the outdoor (building exterior) CO<sub>2</sub> concentration was approximately 424 ppm therefore indoor concentrations should not exceed approximately 1,124 ppm (700 + 424). The maximum average interior CO<sub>2</sub> concentration detected was 452 ppm in the Main Office and Room 1079, 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: Greenbelt Middle School-Instrumental Screening Levels  
January 29, 2021 (9:30 AM-11:30 AM)**

Sample Location	Temp °F	RH%	CO ppm	CO <sub>2</sub> ppm
Standards	ASHRAE 68 to 75°F*	ASHRAE <65%	NAAQS 9	ASHRAE 1,124
Room 1028	65.3	23.3	0	444
Room 1079	66.2	17.0	0	452
Room 2065	65.3	23.3	0	444
Room 2016	68.0	17.0	0	416
Room 2040	69.8	14.0	0	441
Gymnasium	68.9	17.8	0	427
Cafeteria	65.3	14.0	0	432
Media Room	66.0	15.0	0	437
Main Office	65.0	15.0	0	452
Outside Exterior EV Sample	41.4	14.0	0	424

PM - Particulate Matter size  
 °F - Degrees Fahrenheit  
 CO - Carbon Monoxide  
 ppm - parts per million

µg/m<sup>3</sup> - micrograms per cubic meter  
 RH% - % Relative Humidity  
 CO<sub>2</sub> - 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:** Summarizes airborne mold spore sampling results and locations. On January 29, 2021, total mold counts in representative samples (spore count/m<sup>3</sup> of air) in all the areas inspected were lower than the outdoor concentrations with the exception of the Cafeteria and Classroom 2040. Laboratory analysis follows this report (see attachment).

**Table 3: Greenbelt Middle School  
Measurements of Mold-in-Air Samples  
January 29, 2021 (9:30 AM-11:30 AM)**

<b>Spore Types</b>	<b>Room 1028</b>	<b>Room 1079</b>	<b>Room 2065</b>	<b>Room 2016</b>	<b>Room 2040</b>
<i>Alternaria (Ulocladium)</i>	-	-	-	-	-
<i>Ascospores</i>	40	-	-	-	-
<i>Aspergillus/Penicillium</i>	-	-	-	-	-
<i>Basidiospores</i>	-	-	-	40	-
<i>Bipolaris++</i>	-	-	-	-	-
<i>Chaetomium</i>	-	-	-	-	-
<i>Cladosporium</i>	-	10*	-	-	90
<i>Curvularia</i>	-	-	-	-	-
<i>Epicoccum</i>	-	-	-	-	-
<i>Fusarium</i>	-	-	-	-	-
<i>Ganoderma</i>	-	-	-	-	-
<i>Myxomycetes++</i>	-	-	-	-	-
<i>Pithomyces++</i>	-	-	-	-	-
<i>Rust</i>	-	-	-	-	-
<i>Scopulariopsis/Microascus</i>	-	-	-	-	-
<i>Stachybotrys/Memmoniella</i>	-	-	-	-	-
<i>Unidentifiable Spores</i>	-	-	-	-	-
<i>Zygomycetes</i>	-	-	-	-	-
<i>Nigrospora</i>	-	-	-	-	-
<i>Hyphal Fragment</i>	-	-	-	-	10*
<i>Insect Fragment</i>	-	-	-	-	-
<i>Pollen</i>	40	-	40	-	-
<b>Total Fungi</b>	<b>80</b>	<b>10*</b>	<b>40</b>	<b>40</b>	<b>100</b>

\* Spore Counts per cubic meter of air (Counts/m<sup>3</sup>).

++Includes other spores with similar morphology.

**Table 3: Greenbelt Middle School  
Measurements of Mold-in-Air Samples continued  
January 29, 2021 (9:30 AM-11:30 AM)**

Spore Types	Gymnasium	Main Office	Cafeteria	Media Room	Outside Exterior EV Sample	Field Blank
<i>Alternaria (Ulocladium)</i>	-	-	-	-	-	-
<i>Ascospores</i>	-	-	-	-	-	-
<i>Aspergillus/Penicillium</i>	-	-	-	40	-	-
<i>Basidiospores</i>	-	-	40	-	-	-
<i>Bipolaris++</i>	-	-	-	-	-	-
<i>Chaetomium</i>	-	-	-	-	-	-
<i>Cladosporium</i>	-	-	-	40	-	-
<i>Curvularia</i>	-	-	-	-	-	-
<i>Epicoccum</i>	-	-	-	-	-	-
<i>Fusarium</i>	-	-	-	-	-	-
<i>Ganoderma</i>	-	-	-	-	-	-
<i>Myxomycetes++</i>	-	-	-	-	40	-
<i>Pithomyces++</i>	-	-	-	-	-	-
<i>Rust</i>	-	-	-	-	-	-
<i>Scopulariopsis/Microascus</i>	-	-	-	-	-	-
<i>Stachybotrys/Memnoniella</i>	-	-	-	-	-	-
<i>Unidentifiable Spores</i>	-	-	40	-	10*	-
<i>Zygomycetes</i>	-	-	-	-	-	-
<i>Nigrospora</i>	-	-	-	-	-	-
<i>Hyphal Fragment</i>	-	-	40	-	40	-
<i>Insect Fragment</i>	-	-	-	-	-	-
<i>Pollen</i>	-	-	-	-	-	-
<b>Total Fungi</b>	<b>None Detect</b>	<b>None Detect</b>	<b>120</b>	<b>80</b>	<b>90</b>	<b>No Trace</b>

\*Spore Counts per cubic meter of air (Counts/m<sup>3</sup>).

++Includes other spores with similar morphology.

**Findings and Conclusions**

The comfort parameters (i.e., temperature, RH, CO<sub>2</sub>, and CO levels) in the representative areas conform to ASHRAE and/or NAAQS guidelines with the exception of the temperature and humidity. On January 29, 2021 total mold counts in representative area samples (spore count/m<sup>3</sup> of air) in all the areas inspected were lower than the outdoor concentrations with the exception of the Cafeteria and Classroom 2040. However, those locations did not indicate amplified mold growth.

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.

200 Route 130 North Cinnaminson, NJ 08077  
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<http://www.EMSL.com> / [cinmicrolab@emsl.com](mailto:cinmicrolab@emsl.com)

**EMSL Order:** 372101509  
**Customer ID:** SALU50  
**Customer PO:**  
**Project ID:**

**Attention:** Indika Jayatilake  
SaLUT  
1818 New York Avenue, NE  
Suite 231  
Washington, DC 20002  
**Project:** PGPCS IAQ Reports 19-035 Greenbelt MS

**Phone:** (301) 595-3783  
**Fax:** (301) 595-3787  
**Collected Date:** 01/29/2021  
**Received Date:** 02/01/2021 09:00 AM  
**Analyzed Date:** 02/03/2021

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

Lab Sample Number:	372101509-0001			372101509-0002			372101509-0003		
Client Sample ID:	31917606			31917667			31917601		
Volume (L):	75			75			75		
Sample Location:	Room 1028			Room 2065			Room 2016		
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	100	-	-	-	-	-	-
Aspergillus/Penicillium	-	-	-	-	-	-	-	-	-
Basidiospores	-	-	-	-	-	-	1	40	100
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	-	-	-	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
<b>Total Fungi</b>	<b>1</b>	<b>40</b>	<b>100</b>	-	<b>None Detect</b>	-	<b>1</b>	<b>40</b>	<b>100</b>
Hyphal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	1	40	-	1	40	-	-	-	-
Analyt. Sensitivity 600x	-	44	-	-	44	-	-	44	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	1	-	-	3	-	-	2	-
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.

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

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ AIHA-LAP, LLC-EMLAP Accredited #100194

Initial report from: 02/04/2021 09:59 AM

For information on the fungi listed in this report, please visit the Resources section at [www.emsl.com](http://www.emsl.com)



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**Analyzed Date:** 02/03/2021

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

Lab Sample Number:	372101509-0004			372101509-0005			372101509-0006		
Client Sample ID:	31917600			31917618			31917597		
Volume (L):	75			75			75		
Sample Location:	Room 2040			Gymnasium			Outside Sample		
Spore Types	Raw Count	Count/M³	% of Total	Raw Count	Count/M³	% of Total	Raw Count	Count/M³	% of Total
Alternaria (Ullocladium)	-	-	-	-	-	-	-	-	-
Ascospores	-	-	-	-	-	-	-	-	-
Aspergillus/Penicillium	-	-	-	-	-	-	-	-	-
Basidiospores	-	-	-	-	-	-	-	-	-
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	2	90	100	-	-	-	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	1	40	80
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	1*	10*	20
Zygomycetes	-	-	-	-	-	-	-	-	-
<b>Total Fungi</b>	<b>2</b>	<b>90</b>	<b>100</b>	-	<b>None Detect</b>	-	<b>2</b>	<b>50</b>	<b>100</b>
Hyphal Fragment	1*	10*	-	-	-	-	1	40	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	44	-	-	44	-	-	44	-
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.

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

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ AIHA-LAP, LLC-EMLAP Accredited #100194

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Lab Sample Number:	372101509-0007			372101509-0008			372101509-0009		
Client Sample ID:	31917609			31917631			31917675		
Volume (L):	75			75			75		
Sample Location:	Cafeteria			Media Room			Main Office		
Spore Types	Raw Count	Count/M³	% of Total	Raw Count	Count/M³	% of Total	Raw Count	Count/M³	% of Total
Alternaria (Ullocladium)	-	-	-	-	-	-	-	-	-
Ascospores	-	-	-	-	-	-	-	-	-
Aspergillus/Penicillium	-	-	-	1	40	50	-	-	-
Basidiospores	1	40	50	-	-	-	-	-	-
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	1	40	50	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	1	40	50	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
<b>Total Fungi</b>	<b>2</b>	<b>80</b>	<b>100</b>	<b>2</b>	<b>80</b>	<b>100</b>	-	<b>None Detect</b>	-
Hyphal Fragment	1	40	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	44	-	-	44	-	-	44	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	1	-	-	1	-	-	2	-
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.

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

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<http://www.EMSL.com / cinmicrolab@emsl.com>

**EMSL Order:** 372101509  
**Customer ID:** SALU50  
**Customer PO:**  
**Project ID:**

**Attention:** Indika Jayatilake  
 SaLUT  
 1818 New York Avenue, NE  
 Suite 231  
 Washington, DC 20002  
**Project:** PGPCS IAQ Reports 19-035 Greenbelt MS

**Phone:** (301) 595-3783  
**Fax:** (301) 595-3787  
**Collected Date:** 01/29/2021  
**Received Date:** 02/01/2021 09:00 AM  
**Analyzed Date:** 02/03/2021

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

Lab Sample Number:	372101509-0010			372101509-0011		
Client Sample ID:	31917621			31886683		
Volume (L):	75			Field Blank		
Sample Location:	Room 1079			Field Blank		
Spore Types	Raw Count	Count/M³	% of Total	Raw Count	Count/M³	% of Total
Alternaria (Ullocladium)	-	-	-	-	-	-
Ascospores	-	-	-	-	-	-
Aspergillus/Penicillium	-	-	-	-	-	-
Basidiospores	-	-	-	-	-	-
Bipolaris++	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-
Cladosporium	1*	10*	100	-	-	-
Curvularia	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-
Rust	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-
<b>Total Fungi</b>	<b>1</b>	<b>10</b>	<b>100</b>	-	<b>No Trace</b>	-
Hyphal Fragment	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-
Pollen	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	44	-	-	0	-
Analyt. Sensitivity 300x	-	13*	-	-	0*	-
Skin Fragments (1-4)	-	1	-	-	-	-
Fibrous Particulate (1-4)	-	1	-	-	-	-
Background (1-5)	-	1	-	-	-	-

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

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

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. High levels of background particulate can obscure spores and other particulates, leading to underestimation. Background levels of 5 indicate an overloading of background particulates, prohibiting accurate detection and quantification. Present = Spores detected on overloaded samples. Results are not blank corrected unless otherwise noted. The detection limit is equal to one fungal spore, structure, pollen, fiber particle or insect fragment. "\*" Denotes particles found at 300X. "-" Denotes not detected. Due to method stopping rules, raw counts in excess of 100 are extrapolated based on the percentage analyzed.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ AIHA-LAP, LLC-EMLAP Accredited #100194

Initial report from: 02/04/2021 09:59 AM

For information on the fungi listed in this report, please visit the Resources section at [www.emsl.com](http://www.emsl.com)



EMSL ANALYTICAL, INC.  
LABORATORY • PRODUCTS • TRAINING

# Microbiology Chain of Custody

## EMSL Order Number (Lab Use Only):

372101509

EMSL Analytical, Inc.  
10768 Baltimore Avenue

Beltsville, MD 20705  
PHONE: (301) 937-5700  
FAX: (301) 937-5701

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EMSL  
CINNAMINSON, N.J.

2021 FEB - 1 A 11:24

Company Name: SaLUT		EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> 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 <b>Greenbelt MS</b>		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email					
U.S. State Samples Taken: MD		Project Zip Code: Connecticut Samples: <input type="checkbox"/> Commercial <input type="checkbox"/> Residential					
Sterile, Sodium Thiosulfate Preserved Bottle Used: <input type="checkbox"/> Biocide Used in Source (specify): <input type="checkbox"/>							
Public Water Supply Samples: <input type="checkbox"/> Note: All results may automatically be reported to DOH if required by state.							
Turnaround Time (TAT) Options - Please Check							
<input type="checkbox"/> 3 Hour	<input checked="" type="checkbox"/> 6 Hour	<input type="checkbox"/> 24 Hour	<input type="checkbox"/> 48 Hour <input checked="" type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week				
<b>Microbiology Test Codes</b>							
M001 Air-O-Cell M030 Micro 5 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 <i>Penicillium</i> , <i>Aspergillus</i> , <i>Cladosporium</i> , <i>Stachybotrys</i> Species ID & Count) M007 Culturable fungi - Surface Samples (Genus ID & Count) M008 Culturable fungi - Surface Samples (Includes <i>Penicillium</i> , <i>Aspergillus</i> , <i>Cladosporium</i> , <i>Stachybotrys</i> Species ID & Count) M009 Bacteria Culture Gram Stain & Count M010 Bacteria Count & ID - 3 Most Prominent M011 Bacteria Count & ID - 5 Most Prominent	M174 MoldSnap M032 Allergenco-D M012 <i>Pseudomonas aeruginosa</i> (P/A***) M024 <i>Pseudomonas aeruginosa</i> (MFT*) M015 Heterotrophic Plate Count M017 Total Coliform & <i>E. coli</i> (Colilert P/A***) M018 Total Coliform & <i>E. coli</i> (MFT*) M114 Total Coliform & <i>E. coli</i> Enumeration (Colilert MPN**) M019 Fecal Coliform (MFT*) M020 Fecal <i>Streptococcus</i> (MFT*) M029 <i>Enterococci</i> (MFT*) M129 <i>Enterococci</i> (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 <i>Methicillin-resistant Staph. aureus</i> (MRSA) M031 Rapid-growing non-TB <i>Mycobacteria</i> Detection & Enumeration M014 Endotoxin Analysis M044 Group Allergen (Cat, Dog, Cockroach, Dust Mite) Other See Analytical Price Guide <i>Legionella</i> Analysis Please use EMSL <i>Legionella</i> COC					
Name of Sampler: <b>Jay Nchong</b>		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	<input checked="" type="checkbox"/> P <input type="checkbox"/> NP	M017	100 mL	9/1/13 4:00 PM	
			<input type="checkbox"/> P <input type="checkbox"/> NP				
			<input type="checkbox"/> P <input type="checkbox"/> NP				
			<input type="checkbox"/> P <input type="checkbox"/> NP				
			<input type="checkbox"/> P <input type="checkbox"/> NP				
Client Sample # (s):		Total # of Samples: <b>11</b>	Samples Received Chilled? Yes / No (Lab Use Only)				
Relinquished (Client): <b>Jay Nchong</b>		Date: <b>1/29/21</b>	Time: <b>13:45</b>				
Received (Lab): <b>Chelun FX</b>		Date: <b>2/1/21</b>	Time: <b>9:00</b>				
Comments/Special Instructions:							

EMSL Analytical, Inc.'s Laboratory Terms and Conditions are incorporated into this chain of custody by reference in their entirety. Submission of samples to EMSL Analytical, Inc. constitutes acceptance and acknowledgment of all terms and conditions by Customer.

