

March 4, 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
Croom Vocational High School
9400 Surratts Road #1324
Cheltenham, MD 20623

Mr. Baylor:

On February 3, 2021 and February 24, 2021 a Soil and Land Use Technology, Inc. (SaLUT) Industrial Hygienist conducted an indoor air quality (IAQ) evaluation at Croom Vocational High School, a property maintained by Prince George's County Public Schools (PGCPS) located at 9400 Surratts Road #1324, Cheltenham, MD 20623. The inspection was performed in accordance with PGCPS contract number IFB 022-19.

Corrective Measures Implemented by PGCPS

On February 24, 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, DGS implemented the following corrective measures in all areas:

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 Croom Vocational High School, visited on February 3, 2021 and February 24, 2021, respectively.

Table 1.1-Observations

Location	Summary of Observations 02-3-2021
Main Entrance Lobby	2' x 2' ceiling tiles and 12" x 12" and 9" x 9" tile floor; Visible moldy and stained ceiling tiles; Mild odor; No visible dust on floor/other furniture surfaces; No visible dust around ventilator; Central AC.
Suite A Administration	2'x2' ceiling tiles and 12" x 12" tile floor; Visible moldy and stained ceiling tiles; Mild odor; No visible dust on floor/other furniture surfaces; No visible dust around ventilator; Central AC.
Hallway in front of C-105C	2'x 2' ceiling tiles and 12" x 12" tile floor; Visible moldy and stained ceiling tiles; Mild odor; No visible dust on floor/other furniture surfaces; No visible dust around ventilator; Central AC.
Classroom C-120	2'x4' ceiling tiles and 12" x 12" tile floor; Visible moldy and stained ceiling tiles; Mild odor; No visible dust on floor/other furniture surfaces; No visible dust around ventilator; Central AC.
Hallway in front of C-120	2' x 2' 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;

Location	Summary of Observations 02-3-2021
	Central AC.
Classroom 131	2'x 2' ceiling tiles and 12"x 12" tile floor; Visible moldy and stained ceiling tiles; Mild odor; No visible dust on floor/other furniture surfaces; No visible dust around ventilator; Central AC.
Classroom 132	2'x2' 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.
Hallway in front of Room 132	2'x2' ceiling tiles and 12"x12" tile floor; Visible moldy and stained ceiling tiles; Mild odor; No visible dust on floor/other furniture surfaces; No visible dust around ventilator; Central AC.
Library	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.
Outside Exterior EV Sample	Cloudy, chilly and windy

Table 1.2-Observations

Location	Summary of Observations 02-24-2021
Main Entrance Lobby	2' x 2' ceiling tiles and 12"x 12" and 9"x 9" 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.
Suite A Administration	2'x2' 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.
Hallway in front of C-105C	2'x 2' ceiling tiles and 12"x12" tile floor; No visual signs of microbial growth; Mild odor;

Location	Summary of Observations 02-24-2021
	No visible dust on floor/other furniture surfaces; No visible dust around ventilator; Central AC.
Classroom C-120	2'x4' 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.
Hallway in front of C-120	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.
Classroom 131	2'x 2' 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.
Classroom 132	2'x2' 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.
Hallway in front of Room 132	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.
Library	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.
Outside Exterior EV Sample	Cloudy, chilly and windy

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 higher than 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 (CO₂)

Under conditions of maximum occupancy, ASHRAE Standard 62.1-2010, Appendix C, infers that the acceptable CO₂ upper limit is the prevailing outdoor CO₂ concentration plus 700 parts per million (ppm). On February 3, 2021, the outdoor (building exterior) CO₂ concentration was approximately 431 ppm therefore indoor concentrations should not exceed approximately 1,131 ppm (700 + 431). The maximum average interior CO₂ concentration detected was 513 ppm in Classroom 132, a range within the ASHRAE recommendations, per Table 2.1 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 2.1 below.

**Table 2.1: Croom Vocational High School - Instrumental Screening Levels
February 3, 2021 (9:30 AM-11:30 AM)**

Sample Location	Temp °F	RH%	CO ppm	CO ₂ ppm
Standards	ASHRAE 68 to 75°F*	ASHRAE <65%	NAAQS 9	ASHRAE 1,131
Main Entrance Lobby	77.9	18.4	3	505
Suite A Administration	77.0	19.4	4	496
Hallway in front of C-105C	77.9	18.5	3	457
Classroom C-120	78.8	17.4	4	461
Hallway in front of C-120	75.2	19.1	4	458
Classroom 131	80.6	16.8	4	474
Classroom 132	79.7	17.6	4	513
Hallway in front of Room 132	77.9	17.8	4	466
Library	73.4	20.6	4	453
Outside Exterior EV Sample	60.8	28.2	4	431

**Table 2.2: Croom Vocational High School - Instrumental Screening Levels
February 24, 2021 (9:30 AM-11:30 AM)**

Sample Location	Temp °F	RH%	CO ppm	CO ₂ ppm
Standards	ASHRAE 68 to 75°F*	ASHRAE <65%	NAAQS 9	ASHRAE 1,131
Main Entrance Lobby	64.4			
Suite A Administration	71.6			
Hallway in front of C-105C	64.4			
Classroom C-120	63.5			
Hallway in front of C-120	64.4			
Classroom 131	65.3			
Classroom 132	68.0			
Hallway in front of Room 132	68.0			
Library	71.6			
Outside Exterior EV Sample	65.3			

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

µg/m³ - micrograms per cubic meter
RH% - % Relative Humidity
CO₂ - 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 February 3, 2021, total mold counts in representative samples (spore count/m³ of air) in all the areas inspected were higher than the outdoor concentrations. Laboratory analysis follows this report (see attachment).

Table 3.2: Summarizes airborne mold spore sampling results and locations. On February 24, 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: Croom Vocational High School
Measurements of Mold-in-Air Samples
February 3, 2021 (9:30 AM-11:30 AM)**

Spore Types	Main Entrance Lobby	Suite A Administration	Hallway in front of C-105C	Classroom C-120	Hallway in front of C-120
<i>Alternaria (Ulocladium)</i>	40	-	-	-	-
<i>Ascospores</i>	-	-	-	-	80
<i>Aspergillus/Penicillium</i>	-	40	740	780	-
<i>Basidiospores</i>	-	100	-	-	40
<i>Bipolaris++</i>	-	-	-	-	-
<i>Chaetomium</i>	40	-	-	-	-
<i>Cladosporium</i>	80	100	-	-	-
<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/Memnoniella</i>	-	-	-	-	-
<i>Unidentifiable Spores</i>	-	-	-	-	-
<i>Zygomycetes</i>	-	-	-	-	-
<i>Nigrospora</i>	-	-	-	-	-
<i>Hyphal Fragment</i>	80	-	40	-	-
<i>Insect Fragment</i>	-	-	40	-	-
<i>Pollen</i>	10*	-	-	-	-
Total Fungi	250	240	820	780	120

* Spore Counts per cubic meter of air (Counts/m³).

++Includes other spores with similar morphology.

**Table 3.1: Croom Vocational High School
Measurements of Mold-in-Air Samples continued
February 3, 2021 (9:30 AM-11:30 AM)**

Spore Types	Classroom 131	Classroom 132	Hallway in front of Room 132	Library	Outside Exterior EV Sample	Field Blank
<i>Alternaria (Ulocladium)</i>	-	-	-	-	-	-
<i>Ascospores</i>	40	-	40	-	-	-
<i>Aspergillus/Penicillium</i>	3,400	40	490	40	40	-
<i>Basidiospores</i>	100	-	40	40	-	-
<i>Bipolaris++</i>	40	-	-	-	-	-
<i>Chaetomium</i>	-	-	-	-	-	-
<i>Cladosporium</i>	-	40	-	200	-	-
<i>Curvularia</i>	40	-	-	-	-	-
<i>Epicoccum</i>	10*	-	-	-	-	-
<i>Fusarium</i>	-	-	-	-	-	-
<i>Ganoderma</i>	-	-	-	-	-	-
<i>Myxomycetes++</i>	10*	-	40	-	-	-
<i>Pithomyces++</i>	10*	-	-	-	-	-
<i>Rust</i>	-	-	-	-	-	-
<i>Scopulariopsis/Microascus</i>	-	-	-	-	-	-
<i>Stachybotrys/Memnoniella</i>	-	-	-	-	-	-
<i>Unidentifiable Spores</i>	-	-	40	-	-	-
<i>Zygomycetes</i>	-	-	-	-	-	-
<i>Nigrospora</i>	-	-	-	-	-	-
<i>Hyphal Fragment</i>	40	30*	-	-	40	-
<i>Insect Fragment</i>	-	-	40	-	-	-
<i>Pollen</i>	-	-	-	-	-	-
Total Fungi	3,690	110	690	280	80	No Trace

*Spore Counts per cubic meter of air (Counts/m³).

++Includes other spores with similar morphology.

**Table 3.2: Croom Vocational High School
Measurements of Mold-in-Air Samples
February 24, 2021 (9:30 AM-11:30 AM)**

Spore Types	Main Entrance Lobby	Suite A Administration	Hallway in front of C-105C	Classroom C-120	Hallway in front of C-120
<i>Alternaria (Ulocladium)</i>	-	-	-	-	-
<i>Ascospores</i>	-	-	-	-	-
<i>Aspergillus/Penicillium</i>	-	-	-	-	-
<i>Basidiospores</i>	80	-	10*	-	-
<i>Bipolaris++</i>	-	-	-	-	-
<i>Chaetomium</i>	-	-	-	-	-
<i>Cladosporium</i>	-	-	-	-	-
<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/Memnoniella</i>	-	-	-	-	-
<i>Unidentifiable Spores</i>	-	-	-	-	-
<i>Zygomycetes</i>	-	-	-	-	-
<i>Nigrospora</i>	-	-	-	-	-
<i>Hyphal Fragment</i>	-	-	-	-	-
<i>Insect Fragment</i>	-	-	-	-	-
<i>Pollen</i>	-	-	-	-	-
Total Fungi	80	No Trace	10*	No Trace	No Trace

**Table 3.2: Croom Vocational High School
Measurements of Mold-in-Air Samples continued
February 24, 2021 (9:30 AM-11:30 AM)**

Spore Types	Classroom 131	Classroom 132	Hallway in front of Room 132	Library	Outside Exterior EV Sample	Field Blank
<i>Alternaria (Ulocladium)</i>	-	-	-	-	-	-
<i>Ascospores</i>	-	-	-	-	80	-
<i>Aspergillus/Penicillium</i>	40	-	-	-	-	-
<i>Basidiospores</i>	40	-	80	-	200	-
<i>Bipolaris++</i>	-	-	-	-	-	-
<i>Chaetomium</i>	-	-	-	-	-	-
<i>Cladosporium</i>	-	-	-	-	-	-
<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/Memnoniella</i>	-	-	-	-	-	-
<i>Unidentifiable Spores</i>	-	-	10*	-	-	-
<i>Zygomycetes</i>	-	-	-	-	-	-
<i>Nigrospora</i>	-	-	-	-	-	-
<i>Hyphal Fragment</i>	-	-	-	-	40	-
<i>Insect Fragment</i>	-	-	-	-	-	-
<i>Pollen</i>	-	-	-	-	-	-
Total Fungi	80	No Trace	90	No Trace	320	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, CO₂, and CO levels) in the representative areas conform to ASHRAE and/or NAAQS guidelines with the exception of the temperature. On February 3, 2021 total mold counts in representative area samples (spore count/m³ of air) in all the areas inspected were higher than the outdoor concentrations, indicating amplified mold growth.

On February 24, 2021, total mold counts in air samples (spore count/m³ of air) in the all areas inspected 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.

10768 Baltimore Avenue Beltsville, MD 20705

Tel/Fax: (301) 937-5700 / (301) 937-5701

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

EMSL Order: 192101019

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 CROOM HIGH SCHOOL @ RICA

Phone: (301) 595-3783

Fax: (301) 595-3787

Collected Date: 02/03/2021

Received Date: 02/04/2021 08:30 AM

Analyzed Date: 02/08/2021

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

Lab Sample Number: Client Sample ID: Volume (L): Sample Location:	192101019-0001 31885817 75 MAIN ENTRANCE LOBBY			192101019-0002 31885811 75 SUITE - A - ADMINISTRATION			192101019-0003 31885789 75 CLASSRM 131			
	Spore Types	Raw Count	Count/M ³	% of Total	Raw Count	Count/M ³	% of Total	Raw Count	Count/M ³	% of Total
Alternaria (Ulocladium)	1	40	25	-	-	-	-	-	-	-
Ascospores	-	-	-	-	-	-	1	40	1.1	-
Aspergillus/Penicillium	-	-	-	1	40	16.7	84	3400	93.2	-
Basidiospores	-	-	-	3	100	41.7	3	100	2.7	-
Bipolaris++	-	-	-	-	-	-	1	40	1.1	-
Chaetomium	1	40	25	-	-	-	-	-	-	-
Cladosporium	2	80	50	3	100	41.7	-	-	-	-
Curvularia	-	-	-	-	-	-	1	40	1.1	-
Epicoccum	-	-	-	-	-	-	1*	10*	0.3	-
Fusarium	-	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	1*	10*	0.3	-
Pithomyces++	-	-	-	-	-	-	1*	10*	0.3	-
Rust	-	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-	-
Total Fungi	4	160	100	7	240	100	93	3650	100	
Hyphal Fragment	2	80	-	-	-	-	1	40	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-	-
Pollen	1*	10*	-	-	-	-	1	40	-	-
Analyt. Sensitivity 600x	-	41	-	-	41	-	-	41	-	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-	-
Skin Fragments (1-4)	-	1	-	-	2	-	-	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.

Abubakar Barry, Microbiology 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: 02/08/2021 04:17 PM

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



EMSL Analytical, Inc.

10768 Baltimore Avenue Beltsville, MD 20705

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Collected Date: 02/03/2021

Received Date: 02/04/2021 08:30 AM

Analyzed Date: 02/08/2021

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

Lab Sample Number: Client Sample ID: Volume (L): Sample Location:	192101019-0004 31885819 75 CLASSRM 132			192101019-0005 31885816 75 HALLWAY INFRONT OF RM 132			192101019-0006 31885821 75 LIBRARY			
	Spore Types	Raw Count	Count/M ³	% of Total	Raw Count	Count/M ³	% of Total	Raw Count	Count/M ³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-	-
Ascospores	-	-	-	1	40	6.2	-	-	-	-
Aspergillus/Penicillium	1	40	50	12	490	75.4	1	40	14.3	
Basidiospores	-	-	-	1	40	6.2	1	40	14.3	
Bipolaris++	-	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-	-
Cladosporium	1	40	50	-	-	-	6	200	71.4	
Curvularia	-	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	1	40	6.2	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	1	40	6.2	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-	-
Total Fungi	2	80	100	16	650	100	8	280	100	
Hyphal Fragment	2*	30*	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	1	40	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	41	-	-	41	-	-	41	-	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-	-
Skin Fragments (1-4)	-	2	-	-	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.

Abubakar Barry, Microbiology 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: 02/08/2021 04:17 PM

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Project: PGPCS IAQ REPORTS 19-035 CROOM HIGH SCHOOL @ RICA

Phone: (301) 595-3783

Fax: (301) 595-3787

Collected Date: 02/03/2021

Received Date: 02/04/2021 08:30 AM

Analyzed Date: 02/08/2021

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

Lab Sample Number: Client Sample ID: Volume (L): Sample Location:	192101019-0007 31886281 75 HALLWAY INFRONT OF C-120			192101019-0008 31886391 75 CLASSRM C-120			192101019-0009 31886261 75 HALLWAY INFRONT OF C-105C			
	Spore Types	Raw Count	Count/M ³	% of Total	Raw Count	Count/M ³	% of Total	Raw Count	Count/M ³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-	-
Ascospores	2	80	66.7	-	-	-	-	-	-	-
Aspergillus/Penicillium	-	-	-	19	780	100	18	740	100	-
Basidiospores	1	40	33.3	-	-	-	-	-	-	-
Bipolaris++	-	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	-	-	-	-	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-	-
Total Fungi	3	120	100	19	780	100	18	740	100	100
Hyphal Fragment	-	-	-	-	-	-	1	40	-	-
Insect Fragment	-	-	-	-	-	-	1	40	-	-
Pollen	-	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	41	-	-	41	-	-	41	-	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-	-
Skin Fragments (1-4)	-	2	-	-	1	-	-	3	-	-
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

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

Initial report from: 02/08/2021 04:17 PM

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Project: PGPCS IAQ REPORTS 19-035 CROOM HIGH SCHOOL @ RICA

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Fax: (301) 595-3787

Collected Date: 02/03/2021

Received Date: 02/04/2021 08:30 AM

Analyzed Date: 02/08/2021

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

Lab Sample Number:	192101019-0010			192101019-0011		
Client Sample ID:	31886258			31885793		
Volume (L):	75					
Sample Location:	OUTSIDE SAMPLE			FIELD BLANK		
Spore Types	Raw Count	Count/M ³	% of Total	Raw Count	Count/M ³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-
Ascospores	-	-	-	-	-	-
Aspergillus/Penicillium	-	-	-	-	-	-
Basidiospores	1	40	100	-	-	-
Bipolaris++	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-
Cladosporium	-	-	-	-	-	-
Curvularia	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-
Rust	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-
Total Fungi	1	40	100	-	No Trace	-
Hyphal Fragment	1	40	-	-	-	-
Insect Fragment	-	-	-	-	-	-
Pollen	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	41	-	-	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.

Abubakar Barry, Microbiology Laboratory Manager
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Collected Date: 02/24/2021

Received Date: 02/24/2021 03:34 PM

Analyzed Date: 03/01/2021

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

Lab Sample Number:	192101659-0001			192101659-0002			192101659-0003		
Client Sample ID:	1 C			9 C			8 C		
Volume (L):	75			75			75		
Sample Location:	Main Entrance Lobby			Suite A Administration			Hallway in front of C-105C		
Spore Types	Raw Count	Count/M ³	% of Total	Raw Count	Count/M ³	% of Total	Raw Count	Count/M ³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	-	-	-	-	-	-	-	-	-
Aspergillus/Penicillium	-	-	-	-	-	-	-	-	-
Basidiospores	2	80	100	-	-	-	1*	10*	100
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	-	-	-	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Total Fungi	2	80	100	-	None Detect	-	1	10	100
Hyphal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	42	-	-	42	-	-	42	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	1	-	-	1	-	-	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

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Samples analyzed by EMSL Analytical, Inc. Plymouth Meeting, PA AIHA-LAP, LLC-EMLAP Accredited #178659

Initial report from: 03/01/2021 02:19 PM

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Collected Date: 02/24/2021

Received Date: 02/24/2021 03:34 PM

Analyzed Date: 03/01/2021

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

Lab Sample Number: Client Sample ID: Volume (L): Sample Location:	192101659-0004			192101659-0005			192101659-0006		
	Raw Count	Count/M ³	% of Total	Raw Count	Count/M ³	% of Total	Raw Count	Count/M ³	% of Total
7 C 75 Classroom C-120	6 C 75 Hallway in front of C-120	2 C 75 Classroom 131							
Spore Types									
Alternaria (Ullocladium)	-	-	-	-	-	-	-	-	-
Ascospores	-	-	-	-	-	-	-	-	-
Aspergillus/Penicillium	-	-	-	-	-	-	1	40	50
Basidiospores	-	-	-	-	-	-	1	40	50
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	-	-	-	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Total Fungi	-	None Detect	-	-	None Detect	-	2	80	100
Hyphal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	42	-	-	42	-	-	42	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	1	-	-	1	-	-	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

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Initial report from: 03/01/2021 02:19 PM

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Collected Date: 02/24/2021

Received Date: 02/24/2021 03:34 PM

Analyzed Date: 03/01/2021

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

Lab Sample Number: Client Sample ID: Volume (L): Sample Location:	192101659-0007			192101659-0008			192101659-0009		
	Raw Count	Count/M ³	% of Total	Raw Count	Count/M ³	% of Total	Raw Count	Count/M ³	% of Total
3 C				4 C			5 C		
75				75			75		
Classroom 132				Hallway in front of Room 132			Library		
Spore Types									
Alternaria (Ullocladium)	-	-	-	-	-	-	-	-	-
Ascospores	-	-	-	-	-	-	-	-	-
Aspergillus/Penicillium	-	-	-	-	-	-	-	-	-
Basidiospores	-	-	-	2	80	88.9	-	-	-
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	-	-	-	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	1*	10*	11.1	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Total Fungi	-	None Detect	-	3	90	100	-	None Detect	-
Hyphal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	42	-	-	42	-	-	42	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	1	-	-	1	-	-	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.

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Analyzed Date: 03/01/2021

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

Lab Sample Number: Client Sample ID: Volume (L): Sample Location:	192101659-0010 10 C 75 Outside Exterior EV Sample			192101659-0011 11 C Field Blank						
	Spore Types	Raw Count	Count/M ³	% of Total	Raw Count	Count/M ³	% of Total			
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-	-
Ascospores	2	80	28.6	-	-	-	-	-	-	-
Aspergillus/Penicillium	-	-	-	-	-	-	-	-	-	-
Basidiospores	5	200	71.4	-	-	-	-	-	-	-
Bipolaris++	-	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	-	-	-	-	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-	-
Total Fungi	7	280	100	-	No Trace	-	-	-	-	-
Hyphal Fragment	1	40	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	42	-	-	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.

Abubakar Barry, Microbiology 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. Plymouth Meeting, PA AIHA-LAP, LLC-EMLAP Accredited #178659

Initial report from: 03/01/2021 02:19 PM

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



EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS TRAINING

Microbiology Chain of Custody

EMSL Order Number (Lab Use Only):

192101019

EMSL Analytical, Inc.
10768 Baltimore Avenue

Beltsville, MD 20705

PHONE: (301) 937-5700

FAX: (301) 937-5701

Company Name: SaLUT			EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different If 'Bill To' is different, note instructions in Comments <i>Third-Party Billing requires written authorization from third party.</i>				
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 <i>Croom High School @ RICA</i>			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 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	
Microbiology Test Codes							
M001 Air-O-Cell	M174 MoldSnap	M012 Pseudomonas aeruginosa (P/A***)	M115 Sewage Screen - Water (P/A***)				
M030 Micro 5	M032 Allergenco-D	M024 Pseudomonas aeruginosa (MFT*)	M116 Sewage Screen - Water (MPN**)				
M041 Fungal Direct Examination		M015 Heterotrophic Plate Count	M117 Sewage Screen - Swab (P/A***)				
M169 Pollen ID & Enumeration		M017 Total Coliform & E. coli (Colilert P/A***)	M013 Sewage Screen - Swab (MFT*)				
M280 Dust Characterization Level-1		M018 Total Coliform & E. coli (MFT*)	M133 Methicillin-resistant Staph. aureus (MRSA)				
M281 Dust Characterization Level-2		M114 Total Coliform & E. coli Enumeration (Colilert MPN**)	M031 Rapid-growing non-TB Mycobacteria Detection & Enumeration				
M005 Viable Fungi- Air Samples (Genus ID & Count)		M019 Fecal Coliform (MFT*)	M014 Endotoxin Analysis				
M006 Viable Fungi- Air Samples (Includes Penicillium, Aspergillus, Cladosporium, Stachybotrys Species ID & Count)		M020 Fecal Streptococcus (MFT*)	M044 Group Allergen (Cat, Dog, Cockroach, Dust Mite)				
M007 Culturable fungi - Surface Samples (Genus ID & Count)		M029 Enterococci (MFT*)	Other See Analytical Price Guide				
M008 Culturable fungi - Surface Samples (Includes Penicillium, Aspergillus, Cladosporium, Stachybotrys Species ID & Count)		M129 Enterococci (Enterolert P/A***)	Legionella Analysis Please use EMSL Legionella COC				
M009 Bacteria Culture Gram Stain & Count		M180 Real Time qPCR-ERMI 36 Panel					
M010 Bacteria Count & ID - 3 Most Prominent		M025 Sewage Screen -Water (MFT*)					
M011 Bacteria Count & ID - 5 Most Prominent							
*MFT= Membrane Filtration Technique **MPN= Most Probable Number ***P/A= Presence/Absence							
Name of Sampler: <i>Rahul Ekanayake</i>			Signature of Sampler: <i>[Signature]</i>				
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	
3188 5817	Main Entrance lobby	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	M001	75L	02/03/21 3:12 P.M	
3188 5811	Suit-A-Administration	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	M001	75L	02/03/21 3:18 P.M	
3188 5789	Classroom 131	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	M001	75L	02/03/21 3:25 P.M	
3188 5819	Classroom 132	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	M001	75L	02/03/21 3:32 P.M	
3188 5816	Hallway <i>in front of Room 132</i>	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	M001	75L	02/03/21 3:37 P.M	
Client Sample # (s): <i>11</i>		Total # of Samples: <i>11</i>		Samples Received Chilled? <i>Yes/No</i> (Lab Use Only)			
Relinquished (Client): <i>Rahul Ekanayake</i>			Date: <i>02/03/21</i>	Time: <i>6:30 P.M</i>			
Received (Lab): <i>Moran Tytes DB</i>			Date:	Time:			
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.

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Microbiology Chain of Custody

EMSL Order Number (Lab Use Only):

192101659

PHONE:

FAX:

Company Name: SaLUT Inc.			EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> 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: 20002		Country: USA	
Report To (Name): Indika Jayatilake			Telephone #: 301-595-3783				
Email Address: ijayatilake@salutinc.com			Fax #:		Purchase Order:		
Project Number/Location: Croom Vocational High School/ PGCPs IAQ			Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email				
Location Address: 9400 Surratts Road #1324, Cheltenham, MD 20623			Connecticut Samples: <input type="checkbox"/> Commercial <input type="checkbox"/> Residential				
*Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide. TATs are subject to methodology requirements							
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 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
Microbiology Test Codes							
M001 Air-O-Cell		M174 MoldSnap		M024 Pseudomonas aeruginosa (MFT*)		M115 Sewage Screen - Water (P/A**)	
M030 Micro 5		M032 Allergenco-D		M015 Heterotrophic Plate Count		M116 Sewage Screen - Water (MPN**)	
M041 Fungal Direct Examination				M017 Total Coliform & E. coli (Colilert P/A***)		M117 Sewage Screen - Swab (P/A**)	
M169 Pollen ID & Enumeration				M018 Total Coliform & E. coli (MFT*)		M013 Sewage Screen - Swab (MFT*)	
M280 Dust Characterization Level-1				M114 Total Coliform & E. coli Enumeration (Colilert MPN**)		M133 Methicillin-resistant Staph. aureus (MRSA)	
M281 Dust Characterization Level-2				M019 Fecal Coliform (MFT*)		M031 Rapid-growing non-TB Mycobacteria Detection & Enumeration	
M005 Viable Fungi- Air Samples (Genus ID & Count)				M020 Fecal Streptococcus (MFT*)		M014 Endotoxin Analysis	
M006 Viable Fungi- Air Samples (Includes Penicillium, Aspergillus, Cladosporium, Stachybotrys Species ID & Count)				M029 Enterococci (MFT*)		M044 Group Allergen (Cat, Dog, Cockroach, Dust Mite)	
M007 Culturable fungi - Surface Samples (Genus ID & Count)				M129 Enterococci (Enterolert P/A***)		Other See Analytical Price Guide	
M008 Culturable fungi - Surface Samples (Includes Penicillium, Aspergillus, Cladosporium, Stachybotrys Species ID & Count)				M180 Real Time qPCR-ERMI 36 Panel		Legionella Analysis Please use EMSL Legionella COC	
M009 Bacteria Culture Gram Stain & Count				M025 Sewage Screen -Water (MFT*)			
M010 Bacteria Count & ID - 3 Most Prominent				*MFT= Membrane Filtration Technique			
M011 Bacteria Count & ID - 5 Most Prominent				**MPN= Most Probable Number			
M012 Pseudomonas aeruginosa (P/A**)				***P/A= Presence/Absence			
Name of Sampler: Jude Fonseka			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)
1 C	Main Entrance Lobby	Air		M001	75L	02/24/2021	
9 C	Suite A Administration	Air		M001	75L	02/24/2021	
8 C	Hallway in front of C-105C	Air		M001	75L	02/24/2021	
7 C	Classroom C-120	Air		M001	75L	02/24/2021	
6 C	Hallway in front of Room C-120	Air		M001	75L	02/24/2021	
2 C	Classroom 131	Air		M001	75L	02/24/2021	
Client Sample # (s): -		Total # of Samples: 11		Samples Received Chilled? Yes / No			
Relinquished (Client):			Date:		Time:		
Received (Lab):			Date:		Time:		
Comments/Special Instructions:							

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