

February 10, 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
Gwynn Park High School
13800 Brandywine Road
Brandywine, MD 20613

Mr. Baylor:

On January 28, 2021, a Soil and Land Use Technology, Inc. (SaLUT) Industrial Hygienist conducted an indoor air quality (IAQ) evaluation at Gwynn Park High School, a property maintained by Prince George's County Public Schools (PGCPS) located at 13800 Brandywine Road, Brandywine, MD 20613. 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 Gwynn Park High School, visited on January 28, 2021.

Table 1-Observations

Location	Summary of Observations 01-28-2021
Main Office	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.
Media Center	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 130	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.
Room 138	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.
2nd Floor Room 216	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.
2nd Floor Room 226	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.
Cafeteria	2'x4' ceiling tiles; No visual signs of microbial growth; Mild odor; No visible dust on floor/other furniture surfaces; No visible dust around ventilator; Central AC.

Main Gym	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.
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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.

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 the day of the space evaluation, the outdoor (building exterior) CO₂ concentration was approximately 392 ppm therefore indoor concentrations should not exceed approximately 1,092 ppm (700 + 392). The maximum average interior CO₂ concentration detected was 475 ppm in the Main Office, 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: Gwynn Park High School - Instrumental Screening Levels
January 28, 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 1,092
Main Office	68.5	22.7	0	475
Media Center	68.2	19.0	0	473
Room 130	72.5	16.5	0	435
Room 138	71.6	19.4	0	447
2nd Floor Room 216	74.2	15.6	0	445
2nd Floor Room 226	73.3	15.7	0	450
Cafeteria	71.6	19.0	0	425
Main Gym	68.4	25.5	0	419
Outside Exterior EV Sample	43.7	28.2	0	392

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: Summarizes airborne mold spore sampling results and locations. On January 28, 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: Gwynn Park High School
Measurements of Mold-in-Air Samples
January 28, 2021 (9:30 AM-11:30 AM)**

Spore Types	Room 130	Room 138	2nd Floor Room 216	2nd Floor Room 226	Cafeteria
<i>Alternaria (Ulocladium)</i>	-	-	-	-	-
<i>Ascospores</i>	-	-	-	-	-
<i>Aspergillus/Penicillium</i>	200	-	-	-	-
<i>Basidiospores</i>	-	-	-	-	-
<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	200	None Detect	None Detect	None Detect	None Detect

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

++Includes other spores with similar morphology.

**Table 3: Gwynn Park High School
Measurements of Mold-in-Air Samples continued
January 28, 2021 (9:30 AM-11:30 AM)**

Spore Types	Main Office	Media Center	Main Gym	Outside Exterior EV Sample	Field Blank
<i>Alternaria (Ulocladium)</i>	-	-	-	-	-
<i>Ascospores</i>	40	-	-	40	-
<i>Aspergillus/Penicillium</i>	-	-	-	-	-
<i>Basidiospores</i>	40	-	-	-	-
<i>Bipolaris++</i>	-	-	-	-	-
<i>Chaetomium</i>	-	-	-	-	-
<i>Cladosporium</i>	40	-	-	200	-
<i>Curoularia</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>	10*	-	-	-	-
<i>Pollen</i>	-	-	-	-	-
Total Fungi	130	None Detect	None Detect	240	None Detect

*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. On January 28, 2021 total mold counts in representative area samples (spore count/m³ of air) in all the areas inspected were lower than the outdoor concentrations.

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

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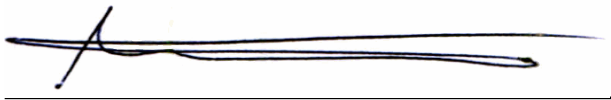
EMSL Order: 192100820
Customer ID: SALU50
Customer PO:
Project ID:

Attention: Indika Jayatilake SaLUT 1818 New York Avenue, NE Suite 231 Washington, DC 20002	Phone: (301) 595-3783 Fax: (301) 595-3787 Collected Date: 01/28/2021 Received Date: 01/28/2021 12:26 PM Analyzed Date: 01/29/2021
Project: 19-035 PGPCS IAQ Services Gwynn Park HS	

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

Lab Sample Number:	192100820-0001			192100820-0002			192100820-0003		
Client Sample ID:	3191 6773			3191 6763			3191 6783		
Volume (L):	75			75			75		
Sample Location:	Main Office			Media Center			2nd Fl Rm 216		
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	33.3	-	-	-	-	-	-
Aspergillus/Penicillium	-	-	-	-	-	-	-	-	-
Basidiospores	1	40	33.3	-	-	-	-	-	-
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	1	40	33.3	-	-	-	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Arthrotrichum	-	-	-	-	-	-	-	-	-
Total Fungi	3	120	100	-	No Trace	-	-	None Detect	-
Hyphal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	1*	10*	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	44	-	-	44	-	-	44	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	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.



Abubakar Barry, Microbiology Laboratory Manager
or other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Beltsville, MD AIHA-LAP, LLC-EMLAP Accredited #102891

Initial report from: 02/02/2021 10:12 AM

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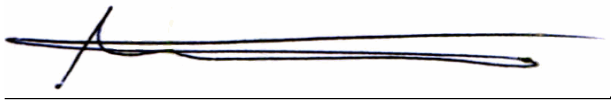
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Project: 19-035 PGPCS IAQ Services Gwynn Park HS	

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:	192100820-0004 3191 6784 75 2nd Fl Rm 226			192100820-0005 3191 6756 75 Cafeteria			192100820-0006 3191 6753 75 Main Gym			
	Spore Types	Raw Count	Count/M³	% of Total	Raw Count	Count/M³	% of Total	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	-	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-	-
Arthrotrichum	-	-	-	-	-	-	-	-	-	-
Total Fungi	-	None Detect	-	-	None Detect	-	-	None Detect	-	-
Hyphal Fragment	-	-	-	-	-	-	-	1*	10*	-
Insect Fragment	-	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	44	-	-	44	-	-	44	-	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-	-
Skin Fragments (1-4)	-	1	-	-	1	-	-	1	-	-
Fibrous Particulate (1-4)	-	-	-	-	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. Beltsville, MD AIHA-LAP, LLC-EMLAP Accredited #102891

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Attention: Indika Jayatilake

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Suite 231

Washington, DC 20002

Project: 19-035 PGPCS IAQ Services Gwynn Park HS

Phone: (301) 595-3783

Fax: (301) 595-3787

Collected Date: 01/28/2021

Received Date: 01/28/2021 12:26 PM

Analyzed Date: 01/29/2021

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

Lab Sample Number:	192100820-0007			192100820-0008			192100820-0009		
Client Sample ID:	3191 6761			3191 6737			3191 6757		
Volume (L):	75			75			75		
Sample Location:	Room 138			Room 130			Outside Sample		
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	16
Aspergillus/Penicillium	-	-	-	4	200	100	-	-	-
Basidiospores	-	-	-	-	-	-	-	-	-
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	-	-	-	4	200	80
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Arthrotrichum	-	-	-	-	-	-	1*	10*	4
Total Fungi	-	No Trace	-	4	200	100	6	250	100
Hyphal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	44	-	-	44	-	-	44	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	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.

Abubakar Barry, Microbiology Laboratory Manager
or other Approved Signatory

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Analyzed Date: 01/29/2021

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

Lab Sample Number:	192100820-0010		
Client Sample ID:	3191 6741		
Volume (L):			
Sample Location:	Field Blank		
Spore Types	Raw Count	Count/M³	% of Total
Alternaria (Ullocladium)	-	-	-
Ascospores	-	-	-
Aspergillus/Penicillium	-	-	-
Basidiospores	-	-	-
Bipolaris++	-	-	-
Chaetomium	-	-	-
Cladosporium	-	-	-
Curvularia	-	-	-
Epicoccum	-	-	-
Fusarium	-	-	-
Ganoderma	-	-	-
Myxomycetes++	-	-	-
Pithomyces++	-	-	-
Rust	-	-	-
Scopulariopsis/Microascus	-	-	-
Stachybotrys/Memnoniella	-	-	-
Unidentifiable Spores	-	-	-
Zygomycetes	-	-	-
Arthrotrichum	-	-	-
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
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. Beltsville, MD AIHA-LAP, LLC-EMLAP Accredited #102891

Initial report from: 02/02/2021 10:12 AM

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):

192100820

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: 19-035 PGPCS IAQ Services <i>Cywnn Park HS</i>		Please Provide Results: <input type="checkbox"/> Fax <input 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 (ColiAlert 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 (ColiAlert 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 A 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 (EnterAlert 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: *Jay Nchang* **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	100mL	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				
			<input type="checkbox"/> P <input type="checkbox"/> NP				

Client Sample # (s): - **Total # of Samples:** 10 **Samples Received/Chilled? Yes/No (Lab Use Only)**

Relinquished (Client): *Jay Nchang* **Date:** 1/29/2021 **Time:** 12:30

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

Comments/Special Instructions:

2021 JAN 28 P 12:26
BELTSVILLE, MD
EMSL ANALYTICAL, INC.

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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LABORATORY • PRODUCTS • TRAINING

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

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)
31916773	Main Office	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	M001	75L	1/28/21 10:15	
31916763	Media Center	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	M001	75L	1/28/21 10:17	
31916783	2nd Fl RM 216	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	M001	75L	1/28/21 10:25	
31916784	2nd Fl RM 226	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	M001	75L	1/28/21 10:28	
31916756	Cafeteria	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	M001	75L	1/28/21 10:37	
31916753	Main Gym	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	M001	75L	1/28/21 10:45	
31916761	Room 138	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	M001	75L	1/28/21 11:00	
31916737	Room 130	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	M001	75L	1/28/21 11:03	
31916757	Outside Sample	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	M001	75L	1/28/21 11:20	
31916741	Field Blank	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	M001	—	1/28/21 11:20	
			<input type="checkbox"/> P <input type="checkbox"/> NP				
			<input type="checkbox"/> P <input type="checkbox"/> NP				
			<input type="checkbox"/> P <input type="checkbox"/> NP				
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			<input type="checkbox"/> P <input type="checkbox"/> NP				
			<input type="checkbox"/> P <input type="checkbox"/> NP				

Comments/Special Instructions:

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