

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
Tulip Grove Elementary School
2909 Trainor Lane
Bowie, MD 20715

Mr. Baylor:

On January 25, 2021, a Soil and Land Use Technology, Inc. (SaLUT) Industrial Hygienist conducted an indoor air quality (IAQ) evaluation at Tulip Grove Elementary School, a property maintained by Prince George's County Public Schools (PGCPS) located at 2909 Trainor Lane, Bowie, MD 20715. 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 Tulip Grove Elementary School, visited on January 25, 2021.

Table 1-Observations

Location	Summary of Observations 01-25-2021
Reading Room Hallway	2'x4' ceiling tiles and 6" x 6" 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.
Multi-Purpose Room	No ceiling and 1'x4' multicolor tiles; No visual signs of microbial growth; Mild odor; No visible dust on floor/other furniture surfaces; No visible dust around ventilator; Central AC.
Kitchen	2' x 4' ceiling tiles and 6" x 6" 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 158	2'x2' ceiling tiles and 1'x4' multicolor tiles; No visual signs of microbial growth, and no odor; No visible dust on floor/other furniture surfaces; No visible dust around ventilator; Central AC.
Academic Avenue Hallway	2'x4' ceiling tiles and terrazzo 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	Assorted white ceiling tiles 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 Office	2'x2' ceiling tiles and 1'x4' multicolor floor tiles; No visual signs of microbial growth; Mild odor; No visible dust on floor/other furniture surfaces; No visible dust around ventilator; Central AC.

Computer Room	2'x2' ceiling tiles and 1'x4' multicolor floor tiles; 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 in the Multi-Purpose Room and Kitchen.

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 420 ppm therefore indoor concentrations should not exceed approximately 1,120 ppm (700 + 420). The maximum average interior CO₂ concentration detected was 465 ppm in the Kitchen and 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: Tulip Grove Elementary School - Instrumental Screening Levels
January 25, 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 1,120
Reading Room Hallway	68.7	22.1	0	434
Multi-Purpose Room	68.0	19.0	0	425
Kitchen	69.4	19.3	0	465
Classroom 158	68.2	17.6	0	420
Academic Avenue Hallway	69.0	18.4	0	455
Library	68.0	20.5	0	434
Main Office	70.3	22.0	0	465
Computer Room	68.9	18.0	0	452
Outside Exterior EV Sample	39.0	21.8	0	420

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 25, 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: Tulip Grove Elementary School
Measurements of Mold-in-Air Samples
January 25, 2021 (9:30 AM-11:30 AM)**

Spore Types	Reading Room Hallway	Multi-Purpose Room	Kitchen	Classroom 158	Academic Avenue Hallway
<i>Alternaria (Ulocladium)</i>	-	-	-	-	-
<i>Ascospores</i>	-	-	-	-	-
<i>Aspergillus/Penicillium</i>	-	90	40	100	-
<i>Basidiospores</i>	10*	-	40	90	40
<i>Bipolaris++</i>	-	-	-	-	-
<i>Chaetomium</i>	-	-	-	-	-
<i>Cladosporium</i>	40	-	-	-	-
<i>Curvularia</i>	-	-	-	-	-
<i>Epicoccum</i>	-	-	-	40	-
<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	50	90	80	230	40

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

++Includes other spores with similar morphology.

**Table 3: Tulip Grove Elementary School
Measurements of Mold-in-Air Samples continued
January 25, 2021 (9:30 AM-11:30 AM)**

Spore Types	Library	Main Office	Computer Room	Outside Exterior EV Sample	Field Blank
<i>Alternaria (Ulocladium)</i>	-	-	-	40	-
<i>Ascospores</i>	-	-	-	90	-
<i>Aspergillus/Penicillium</i>	90	-	40	400	-
<i>Basidiospores</i>	-	40	40	-	-
<i>Bipolaris++</i>	-	-	-	-	-
<i>Chaetomium</i>	-	-	-	-	-
<i>Cladosporium</i>	-	-	-	100	-
<i>Curoularia</i>	-	-	-	-	-
<i>Epicoccum</i>	-	-	-	10*	-
<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>	-	-	-	-	-
<i>Insect Fragment</i>	-	-	-	-	-
<i>Pollen</i>	-	-	-	-	-
Total Fungi	90	40	80	650	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. On January 25, 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.

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EMSL Order: 372101218
Customer ID: SALU50
Customer PO:
Project ID:

Attention: Indika Jayatilake
SaLUT
1818 New York Avenue, NE
Suite 231
Washington, DC 20002
Project: 19-035 PGPCS IAQ Services Tulip Grove ES

Phone: (301) 595-3783
Fax: (301) 595-3787
Collected Date: 01/25/2021
Received Date: 01/27/2021 10:20 AM
Analyzed Date: 01/28/2021

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

Lab Sample Number:	372101218-0001			372101218-0002			372101218-0003		
Client Sample ID:	31625930			31625953			31625914		
Volume (L):				75			75		
Sample Location:	Field Blank			Outside Sample			Hallway (Reading Rm)		
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	5.8	-	-	-
Ascospores	-	-	-	2	90	13	-	-	-
Aspergillus/Penicillium	-	-	-	9	400	58	-	-	-
Basidiospores	-	-	-	-	-	-	1*	10*	20
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	3	100	14.5	1	40	80
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	1*	10*	1.4	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	1*	10*	1.4	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Spegazzinia	-	-	-	1	40	5.8	-	-	-
Total Fungi	-	No Trace	-	18	690	100	2	50	100
Hyphal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	0	-	-	44	-	-	44	-
Analyt. Sensitivity 300x	-	0*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	-	-	-	1	-	-	2	-
Fibrous Particulate (1-4)	-	-	-	-	1	-	-	1	-
Background (1-5)	-	-	-	-	1	-	-	1	-

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

Vincent Iuzzolino, 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: 01/28/2021 10:33 AM

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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:	372101218-0004 31625923 75 Multipurpose Rm			372101218-0005 31625920 75 Kitchen			372101218-0006 31625302 75 Class Rm 158			
	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	2	90	100	1	40	50	3	100	43.5	
Basidiospores	-	-	-	1	40	50	2	90	39.1	
Bipolaris++	-	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	-	-	-	-	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	1	40	17.4	
Fusarium	-	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-	-
Spegazzinia	-	-	-	-	-	-	-	-	-	-
Total Fungi	2	90	100	2	80	100	6	230	100	
Hyphal Fragment	-	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	44	-	-	44	-	-	44	-	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-	-
Skin Fragments (1-4)	-	1	-	-	2	-	-	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.

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: Client Sample ID: Volume (L): Sample Location:	372101218-0007 31625944 75 Hallway Academic Avenue			372101218-0008 31625929 75 Library			372101218-0009 31625949 75 Office (Main)			
	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	-	-	-	2	90	100	-	-	-	-
Basidiospores	1	40	100	-	-	-	1	40	100	-
Bipolaris++	-	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	-	-	-	-	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-	-
Spegazzinia	-	-	-	-	-	-	-	-	-	-
Total Fungi	1	40	100	2	90	100	1	40	100	100
Hyphal Fragment	-	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	44	-	-	44	-	-	44	-	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-	-
Skin Fragments (1-4)	-	2	-	-	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.

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

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Analyzed Date: 01/28/2021

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

Lab Sample Number:	372101218-0010		
Client Sample ID:	31625927		
Volume (L):	75		
Sample Location:	Computer Rm		
Spore Types	Raw Count	Count/M³	% of Total
Alternaria (Ulocladium)	-	-	-
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	-	-	-
Spegazzinia	-	-	-
Total Fungi	2	80	100
Hyphal Fragment	-	-	-
Insect Fragment	-	-	-
Pollen	-	-	-
Analyt. Sensitivity 600x	-	44	-
Analyt. Sensitivity 300x	-	13*	-
Skin Fragments (1-4)	-	2	-
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: 01/28/2021 10:33 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):

372101218

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 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: 19-035 PGPCS IAQ Services TULIP GROVE ES		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***)	RECEIVED EMSL JAYATILAKE, INDIA JAN 27 AM 10:28 BELTSVILLE, MD			
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 (Collert 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 (Collert 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							
Name of Sampler: Jay Nchang		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	
			<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				
3162-5953	Outside Sample	Air	<input type="checkbox"/> P <input type="checkbox"/> NP		75 L	01/25/2021 8:46 AM	
Client Sample # (s): 10		Total # of Samples: 10		Samples Received Chilled? Yes/No (Lab Use Only)			
Relinquished (Client): Jay Nchang		Date: 1/25/21		Time: 6:00 PM			
Received (Lab): J. Jayatilake Drop Box		Date:		Time:			
Comments/Special Instructions: EW							

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