



Soil and Land Use Technology, Inc.
1818 New York Ave. NE, Ste 231, Washington, DC 20002

Telephone: (301) 595-3783
www.salutinc.com

June 18, 2019

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

Attention: Alex Baylor
alex.baylor@pgcps.org

Subject: Indoor Air Quality Survey
James Ryder Randall Elementary School
5410 Kirby Road
Clinton, MD 20735

Mr. Baylor:

On May 31, 2019, a Soil and Land Use Technology, Inc. (SaLUT) Industrial Hygienist conducted an indoor air quality (IAQ) evaluation at James Ryder Randall Elementary School, a property maintained by the Prince George's County Public Schools (PGCPS) located at 5410 Kirby Road, Clinton, MD 20735. 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. A MiniRAE 3000-photoionization detector (PID) was used to measure total volatile organic compounds (TVOC).

Respirable particulate in air (size classes PM_{2.5}μ and PM₁₀μ) was measured using the Particles Plus 8306 Handheld Particle Counter which was calibrated prior to sampling. 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 James Ryder Randall Elementary School, visited on May 31, 2019.

Table 1-Observations

Location	Summary of Observations 5-31-2019
Classroom 103	2’x2’ ceiling tiles and 1’x1’ tile floor; Visual signs of microbial growth on ceiling tiles, and no odor; No visible dust on floor/other furniture surfaces; Central HVAC system.
Classroom 107	2’x2’ ceiling tiles and 1’x1’ tile floor; No visual signs of microbial growth, and no odor; No visible dust on floor/other furniture surfaces; Central HVAC system.
Classroom 113	2’x2’ ceiling tiles and 1’x1’ tile floor; No visual signs of microbial growth, and no odor; No visible dust on floor/other furniture surfaces; Central HVAC system.
Gymnasium	2’x2’ ceiling tiles and concrete floor; Dusty air vents and stained ceiling tiles; No visible dust on floor/other furniture surfaces; Central HVAC system.
Classroom M 3	2’x2’ ceiling tiles and 1’x1’ tile floor; No visual signs of microbial growth, and no odor; No visible dust on floor/other furniture surfaces; Central HVAC system.
Physical Therapy Gymnasium	2’x2’ ceiling tiles and 1’x1’ tile floor; No visual signs of microbial growth, and no odor; No visible dust on floor/other furniture surfaces; Dusty air vents and stained ceiling tiles; Central HVAC system.
Majority of Classrooms throughout the School	No visual signs of microbial growth, and no odor; No visible dust on floor/other furniture surfaces; Central HVAC system.

Measurements of Indoor Environmental Quality Parameters

Table 2 depicts a summary of average measurements of comfort parameters and respirable particulates.

Temperature

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

Relative Humidity (RH)

RH is a key factor for mold growth. Mold has the potential of growing on suitable surfaces with humidity levels above 60%. ASHRAE Standard 62.1-2010 *Ventilation for Acceptable Indoor Air Quality* recommends a maximum indoor RH of 65% to preclude the likelihood of condensation on cool surfaces encouraging mold growth. The RH readings were lower than 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 503 ppm therefore indoor concentrations should not exceed approximately 1,203 ppm (700 + 503). The maximum average interior CO₂ concentration detected was 679 ppm in the Gymnasium, 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.

Respirable Particulates

Direct reading particulate monitoring did not identify a condition of concern. Particulate concentrations for two mass ranges with EPA ambient air quality guidelines (PM_{2.5} and PM₁₀) were below their respective NAAQS levels. On May 31, 2019, the highest average PM_{2.5} concentration during the monitoring period was 0.003 mg/m³ (3 µg/m³) in the

Gymnasium. This is compared to the NAAQS primary standard for PM_{2.5} of 12 µg/m³ annual mean. The highest average PM₁₀ concentration during the same period was 0.042 mg/m³ (42 µg/m³) in the Gymnasium. This is compared to NAAQS standard for PM₁₀ of 150 µg/m³ 24 hour average.

Total Volatile Organic Chemicals (TVOC)

LEED’s standard of 500 µg/m³ for TVOC (ANSI/ASHRAE Standard 62.1-2010) concentrations per the instrument’s level of detection for a healthy commercial building were used as the standard for TVOCs for this survey. Concentrations below this value can be considered as “background levels” and, at such low concentrations, they are extremely unlikely to cause any adverse health conditions to the occupants. Generally, values below 3000 µg/m³ are unlikely to cause more than mild irritation or headaches, but to date no recognized industry standard has been established for TVOCs. Perfumes, colognes, and air fresheners as well as certain cleaning chemicals can all cause temporary increases in TVOC readings. TVOC readings cannot be used to establish OSHA limits on specific VOCs or be attributed to specific compounds.

**Table 2: James Ryder Randall Elementary School Instrumental Screening Levels
May 31, 2019**

Sample Location	Temp °F	RH%	CO ppm	CO ₂ ppm	PM 2.5 mg/m ³	PM 10 mg/m ³	TVOC ppm
Standards	ASHRAE 73 to 79°F*	ASHRAE <65%	NAAQS 9	ASHRAE 1,203	NAAQS 0.012	NAAQS 0.150	1.0
Classroom 103	74.7	49.8	0	623	0.001	0.021	0.1
Classroom 107	74.3	55.6	0	551	0.001	0.019	0
Classroom 113	74.3	48.8	0	629	0.001	0.018	0
Gymnasium	77.9	64.4	0	679	0.003	0.042	0
Classroom M 3	74.3	58.9	0	660	0.002	0.029	0.1
Physical Therapy Gymnasium	73.2	59.3	0	526	0.002	0.025	0
Exterior of the Building- Next to the Entrance	77.9	56.6	0	503	0.002	0.032	0

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
 * - Summer 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 May 31, 2019, 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: James Ryder Randall Elementary School - Measurements of Mold-in-Air Samples

May 31, 2019

Spore Types	Classroom 103	Classroom 107	Classroom 113	Gymnasium
<i>Alternaria (Ulocladium)</i>	-	-	-	-
<i>Ascospores</i>	1,100	200	1,100	1,100
<i>Aspergillus/Penicillium</i>	440	300	-	-
<i>Basidiospores</i>	4,890	1,800	2,300	16,100
<i>Bipolaris++</i>	-	-	-	-
<i>Chaetomium</i>	-	-	-	-
<i>Cladosporium</i>	40	200	300	300
<i>Curvularia</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>	-	-	-	-
<i>Zygomycetes</i>	-	-	-	-
<i>Hyphal Fragment</i>	-	-	-	-
<i>Insect Fragment</i>	-	-	-	-
<i>Pollen</i>	10*	30*	70*	-
Total Fungi	6,470	2,500	3,710	17,500

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

++Includes other spores with similar morphology.

Table 3: James Ryder Randall Elementary School - Measurements of Mold-in-Air Samples continued

May 31, 2019

Spore Types	Classroom M 3	Physical Therapy Gymnasium	Outside Exterior	Field Blank
<i>Alternaria (Ulocladium)</i>	-	-	40	-
<i>Ascospores</i>	90	660	7,460	-
<i>Aspergillus/Penicillium</i>	-	90	-	-
<i>Basidiospores</i>	520	3,200	12,100	-
<i>Bipolaris++</i>	-	-	-	-
<i>Chaetomium</i>	-	-	-	-
<i>Cladosporium</i>	-	100	1,200	-
<i>Curvularia</i>	-	-	-	-
<i>Epicoccum</i>	-	-	-	-
<i>Fusarium</i>	-	-	-	-
<i>Ganoderma</i>	-	-	-	-
<i>Myxomycetes++</i>	-	-	10*	-
<i>Pithomyces++</i>	-	-	-	-
<i>Rust</i>	-	-	-	-
<i>Scopulariopsis/Microascus</i>	-	-	-	-
<i>Stachybotrys/Memnoniella</i>	-	-	-	-
<i>Unidentifiable Spores</i>	-	-	-	-
<i>Zygomycetes</i>	-	-	-	-
<i>Hyphal Fragment</i>	-	-	-	-
<i>Insect Fragment</i>	-	-	-	-
<i>Pollen</i>	-	-	10*	-
Total Fungi	610	4,050	20,810	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) and respirable particulates in the representative areas conform to ASHRAE and/or NAAQS guidelines. On May 31, 2019, total mold counts in representative area samples (spore count/m³ of air) in all the areas inspected were lower than the outdoor concentrations, indicating no amplified mold growth.

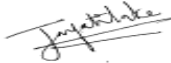
Recommendations

Based on the observations, mold spore results, and the results of the indoor air quality parameters tested at James Ryder Randall Elementary School, SaLUT recommends the following measures to address the indoor air quality concerns documented:

1. Thoroughly clean air vents and replace suspect stained ceiling tiles in Classroom 103, Gymnasium, and Physical Therapy Gymnasium.

Thank you for the opportunity to provide industrial hygiene services for the 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.

528 Mineola Avenue Carle Place, NY 11514
Tel/Fax: (516) 997-7251 / (516) 997-7528
<http://www.EMSL.com> / carleplacelab@emsl.com

EMSL Order: 061910931
Customer ID: SALU50
Customer PO:
Project ID:

Attn: Indika Jayatilake
SaLUT
1818 New York Avenue, NE
Suite 218A
Washington, DC 20002
Project: PGCPs IAQ/19-035 James Ryder Randall ES

Phone: (301) 595-3783
Fax: (301) 595-3787
Collected: 05/31/2019
Received: 06/03/2019
Analyzed: 06/06/2019

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

Lab Sample Number:	061910931-0001			061910931-0002			061910931-0003		
Client Sample ID:	28458333			28458323			28458330		
Volume (L):	75			75			75		
Sample Location	Classroom M 3			Classroom 0107			Physical Therapy Gymnasium		
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	2	90	14.8	4	200	8	15	660	16.3
Aspergillus/Penicillium	-	-	-	8	300	12	2	90	2.2
Basidiospores	12	520	85.2	41	1800	72	74	3200	79
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	4	200	8	3	100	2.5
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Total Fungi	14	610	100	57	2500	100	94	4050	100
Hyphal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	2*	30*	-	-	-	-
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	-	-	2	-

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


Jeffrey Lau, Microbiology Laboratory Manager
or other approved signatory

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. EMSL maintains liability limited to cost of analysis. 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. Interpretation and use of test results are the responsibility of the client. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. Carle Place, NY AIHA-LAP, LLC--EMLAP Accredited #102344

Initial report from: 06/09/2019 10:39:38

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



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Collected: 05/31/2019
Received: 06/03/2019
Analyzed: 06/06/2019

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	061910931-0004 28458696 75 Classroom 103			061910931-0005 28458610 75 Classroom113			061910931-0006 28458352 75 Gymnasium		
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	26	1100	17	25	1100	29.6	25	1100	6.3
Aspergillus/Penicillium	10	440	6.8	-	-	-	-	-	-
Basidiospores	112	4890	75.6	53	2300	62	370	16100	92
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	1	40	0.6	8	300	8.1	6	300	1.7
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	1*	10*	0.3	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Total Fungi	149	6470	100	87	3710	100	401	17500	100
Hyphal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	1*	10*	-	5*	70*	-	-	-	-
Analyt. Sensitivity 600x	-	44	-	-	44	-	-	44	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	2	-	-	3	-	-	2	-
Fibrous Particulate (1-4)	-	2	-	-	1	-	-	2	-
Background (1-5)	-	2	-	-	3	-	-	1	-

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


Jeffrey Lau, Microbiology Laboratory Manager
or other approved signatory

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Analyzed: 06/06/2019

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

Lab Sample Number:	061910931-0007			061910931-0008			
Client Sample ID:	28458363			28458342			
Volume (L):	75			Field Blank			
Sample Location	Outside Exterior EV Sample			Field Blank			
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	
Alternaria (Ulocladium)	1	40	0.2	-	-	-	
Ascospores	171	7460	35.8	-	-	-	
Aspergillus/Penicillium	-	-	-	-	-	-	
Basidiospores	278	12100	58.1	-	-	-	
Bipolaris++	-	-	-	-	-	-	
Chaetomium	-	-	-	-	-	-	
Cladosporium	28	1200	5.8	-	-	-	
Curvularia	-	-	-	-	-	-	
Epicoccum	-	-	-	-	-	-	
Fusarium	-	-	-	-	-	-	
Ganoderma	-	-	-	-	-	-	
Myxomycetes++	1*	10*	0	-	-	-	
Pithomyces++	-	-	-	-	-	-	
Rust	-	-	-	-	-	-	
Scopulariopsis/Microascus	-	-	-	-	-	-	
Stachybotrys/Memnoniella	-	-	-	-	-	-	
Unidentifiable Spores	-	-	-	-	-	-	
Zygomycetes	-	-	-	-	-	-	
Total Fungi	479	20810	100	-	No Trace	-	
Hyphal Fragment	-	-	-	-	-	-	
Insect Fragment	-	-	-	-	-	-	
Pollen	1*	10*	-	-	-	-	
Analyt. Sensitivity 600x	-	44	-	-	0	-	
Analyt. Sensitivity 300x	-	13*	-	-	0*	-	
Skin Fragments (1-4)	-	2	-	-	-	-	
Fibrous Particulate (1-4)	-	2	-	-	-	-	
Background (1-5)	-	2	-	-	-	-	

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


Jeffrey Lau, Microbiology Laboratory Manager
or other approved signatory

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EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS • TRADING

Microbiology Chain of Custody

EMSL Order-Number (Lab Use Only):

061910931

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: PGCPS IAQ/19-035 James Ryder Randall ES		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email					
Location Address: 5410, Kirby Road, Clinton MD 201735		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 type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input checked="" 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 Fonseca		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)
28458333	Classroom M 3	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	M001	75L	5/31/2019	
28458323	Classroom 0107	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	M001	75L	5/31/2019	
28458330	Physical Therapy Gymnasium	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	M001	75L	5/31/2019	
28458696	Classroom 103	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	M001	75L	5/31/2019	
28458610	Classroom 113	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	M001	75L	5/31/2019	
28458352	Gymnasium	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	M001	75L	5/31/2019	
Client Sample # (s): -		Total # of Samples: 8		Samples Received Chilled? Yes / No			
Relinquished (Client):		Date:		Time:			
Received (Lab): Haum Kamara		Date: 6/3/2019		Time: 11:23			
Comments/Special Instructions: Walk-In							

6/6/19

