



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

Telephone: (301) 595-3783  
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June 17, 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](mailto:alex.baylor@pgcps.org)

Subject: Indoor Air Quality Survey  
Kenmoor Elementary School  
3211 82nd Avenue  
Landover, MD 20785

Mr. Baylor:

On May 22, 2019, a Soil and Land Use Technology, Inc. (SaLUT) Industrial Hygienist conducted an indoor air quality (IAQ) evaluation at Kenmoor Elementary School, a property maintained by the Prince George's County Public Schools (PGCPS) located at 3211 82nd Avenue, Landover, MD 20785. 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<sub>2.5</sub>μ and PM<sub>10</sub>μ) 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 Kenmoor Elementary School, visited on May 22, 2019.

**Table 1-Observations**

Location	Summary of Observations 5-22-2019
Classroom 6	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; Unit ventilator.
Classroom 8	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; Unit ventilator/Central HVAC system.
Classroom 13	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; Unit ventilator/Central HVAC system.
Classroom 18	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; Unit ventilator/Central HVAC system.
Multipurpose Room	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; Unit ventilator/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.

**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 with the exception of several localized readings which were lower than the ASHRAE comfort level.

### **Relative Humidity (RH)**

RH is a key factor for mold growth. Mold has the potential of growing on suitable surfaces with humidity levels above 60%. ASHRAE Standard 62.1-2010 *Ventilation for Acceptable Indoor Air Quality* recommends a maximum indoor RH of 65% to preclude the likelihood of condensation on cool surfaces encouraging mold growth. The RH readings were lower than the ASHRAE recommended ranges in the representative areas.

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

Under conditions of maximum occupancy, ASHRAE Standard 62.1-2010, Appendix C, infers that the acceptable CO<sub>2</sub> upper limit is the prevailing outdoor CO<sub>2</sub> concentration plus 700 parts per million (ppm). On the day of the space evaluation, the outdoor (building exterior) CO<sub>2</sub> concentration was approximately 431 ppm therefore indoor concentrations should not exceed approximately 1,131 ppm (700 + 431). The maximum average interior CO<sub>2</sub> concentration detected was 555 ppm in the Classroom 8 area, 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<sub>2.5</sub>, and PM<sub>10</sub>) were below their respective NAAQS levels. On May 22, 2019, the highest average PM<sub>2.5</sub> concentration during the monitoring period was 0.004 mg/m<sup>3</sup> (4 µg/m<sup>3</sup>) in the Multipurpose Room. This is compared to the NAAQS primary standard for PM<sub>2.5</sub> of 12 µg/m<sup>3</sup> annual mean. The highest average PM<sub>10</sub> concentration during the same period was 0.039 mg/m<sup>3</sup> (39 µg/m<sup>3</sup>) in the Multipurpose Room. This is compared to NAAQS standard for PM<sub>10</sub> of 150 µg/m<sup>3</sup> 24 hour average.

**Total Volatile Organic Chemicals (TVOC)**

LEED’s standard of 500 µg/m<sup>3</sup> 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/m<sup>3</sup> 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: Kenmoor Elementary School Instrumental Screening Levels  
May 22, 2019**

Sample Location	Temp °F	RH%	CO ppm	CO <sub>2</sub> ppm	PM 2.5 mg/m <sup>3</sup>	PM 10 mg/m <sup>3</sup>	TVOC ppm
<b>Standards</b>	ASHRAE 73 to 79°F	ASHRAE <65%	NAAQS 9	ASHRAE 1,131	NAAQS 0.012	NAAQS 0.150	1.0
<b>Classroom 6</b>	70.7	42.6	0	473	0.001	0.021	0.1
<b>Classroom 8</b>	68.9	55.3	0	555	0.001	0.018	0.1
<b>Classroom 13</b>	72.5	41.7	0	501	0.001	0.026	0
<b>Classroom 18</b>	71.6	42.5	0	466	0.001	0.016	0
<b>Multipurpose Room</b>	71.6	40.7	0	528	0.004	0.039	0.1
<b>Exterior of the building- Next to the entrance</b>	70.7	43.5	0	431	0.003	0.046	0

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

µg/m<sup>3</sup> - micrograms per cubic meter  
RH% - % Relative Humidity  
CO<sub>2</sub> - Carbon Dioxide  
\* - 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.

Tables 3 summarizes airborne mold spore sampling results and locations. On May 22, 2019, total mold counts in representative samples (spore count/m<sup>3</sup> of air) in all the areas inspected were lower than the outdoor concentrations. Laboratory analysis follows this report (see attachment).

**Table 3: Kenmoor Elementary School - Measurements of Mold-in-Air Samples  
May 22, 2019**

<b>Spore Types</b>	<b>Classroom 6</b>	<b>Classroom 8</b>	<b>Classroom 13</b>	<b>Classroom 18</b>
<i>Alternaria (Ulocladium)</i>	-	-	-	-
<i>Ascospores</i>	300	90	40	100
<i>Aspergillus/Penicillium</i>	-	-	40	40
<i>Basidiospores</i>	300	200	200	-
<i>Bipolaris++</i>	-	-	-	-
<i>Chaetomium</i>	-	-	-	-
<i>Cladosporium</i>	300	40	40	200
<i>Curvularia</i>	-	-	-	-
<i>Epicoccum</i>	-	-	-	-
<i>Fusarium</i>	-	-	-	-
<i>Ganoderma</i>	-	-	-	-
<i>Myxomycetes++</i>	-	-	-	-
<i>Pithomyces++</i>	-	-	-	-
<i>Rust</i>	10*	-	-	-
<i>Scopulariopsis/Microascus</i>	-	-	-	-
<i>Stachybotrys/Memnoniella</i>	-	-	-	-
<i>Unidentifiable Spores</i>	-	-	-	-
<i>Zygomycetes</i>	-	-	-	-
<i>Polythrincium</i>	-	-	10*	-
<i>Hyphal Fragment</i>	-	-	-	-
<i>Insect Fragment</i>	-	-	-	-
<i>Pollen</i>	-	-	-	-
<b>Total Fungi</b>	<b>910</b>	<b>330</b>	<b>330</b>	<b>340</b>

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

++Includes other spores with similar morphology.

**Table 3: Kenmoor Elementary School - Measurements of Mold-in-Air Samples continued**

May 22, 2019

Spore Types	Multi-Purpose Room	Outside Exterior	Field Blank
<i>Alternaria (Ulocladium)</i>	-	-	-
<i>Ascospores</i>	400	700	-
<i>Aspergillus/Penicillium</i>	90	90	-
<i>Basidiospores</i>	1,600	1,600	-
<i>Bipolaris++</i>	-	-	-
<i>Chaetomium</i>	-	-	-
<i>Cladosporium</i>	100	-	-
<i>Curvularia</i>	-	-	-
<i>Epicoccum</i>	-	-	-
<i>Fusarium</i>	-	-	-
<i>Ganoderma</i>	40	-	-
<i>Myxomycetes++</i>	-	30*	-
<i>Pithomyces++</i>	-	-	-
<i>Rust</i>	-	-	-
<i>Scopulariopsis/Microascus</i>	-	-	-
<i>Stachybotrys/Memnoniella</i>	-	-	-
<i>Unidentifiable Spores</i>	-	-	-
<i>Zygomycetes</i>	-	-	-
<i>Botrytis</i>	-	-	-
<i>Hyphal Fragment</i>	-	-	-
<i>Insect Fragment</i>	-	-	-
<i>Pollen</i>	-	80*	-
<b>Total Fungi</b>	<b>2,230</b>	<b>2,420</b>	<b>No Trace</b>

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

++Includes other spores with similar morphology.

### **Findings and Conclusions**

The comfort parameters (i.e., temperature, RH, CO<sub>2</sub>, and CO levels) and respirable particulates in the representative areas conform to ASHRAE and/or NAAQS guidelines with the exception of some temperature readings which were lower than the ASHRAE comfort level. On May 22, 2019, total mold counts in representative area samples (spore count/m<sup>3</sup> of air) in all the areas inspected were lower than the outdoor concentrations, indicating no amplified mold growth.

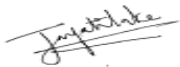
**Recommendations**

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

1. Thoroughly clean air vents in the Multipurpose Room.

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](mailto:carleplacelab@emsl.com)

**EMSL Order:** 061909863  
**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 KENMOOR ES

**Phone:** (301) 595-3783  
**Fax:** (301) 595-3787  
**Collected:** 05/22/2019  
**Received:** 05/22/2019  
**Analyzed:** 05/24/2019

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

Lab Sample Number:	061909863-0001			061909863-0002			061909863-0003		
Client Sample ID:	2839-4345			2839-4339			2839-4342		
Volume (L):	75			75			75		
Sample Location	Room 6			Room 8			Room 13		
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	7	300	33	2	90	27.3	1	40	12.1
Aspergillus/Penicillium	-	-	-	-	-	-	1	40	12.1
Basidiospores	8	300	33	5	200	60.6	4	200	60.6
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	6	300	33	1	40	12.1	1	40	12.1
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	1*	10*	1.1	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Polythrincium	-	-	-	-	-	-	1*	10*	3
<b>Total Fungi</b>	<b>22</b>	<b>910</b>	<b>100</b>	<b>8</b>	<b>330</b>	<b>100</b>	<b>8</b>	<b>330</b>	<b>100</b>
Hyphal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	44	-	-	44	-	-	44	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	2	-	-	2	-	-	1	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	2	-	-	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: 05/26/2019 15:35:29

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



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**Phone:** (301) 595-3783  
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**Collected:** 05/22/2019  
**Received:** 05/22/2019  
**Analyzed:** 05/24/2019

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

Lab Sample Number:	061909863-0004			061909863-0005			061909863-0006		
Client Sample ID:	2839-4315			2839-4353			839-4351		
Volume (L):	75			75			75		
Sample Location	Room 18			Outside Exterior EV Sample			Multi Purpose Room		
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	3	100	29.4	16	700	28.9	9	400	17.9
Aspergillus/Penicillium	1	40	11.8	2	90	3.7	2	90	4
Basidiospores	-	-	-	36	1600	66.1	37	1600	71.7
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	4	200	58.8	-	-	-	3	100	4.5
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	1	40	1.8
Myxomycetes++	-	-	-	2*	30*	1.2	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Polythrincium	-	-	-	-	-	-	-	-	-
<b>Total Fungi</b>	<b>8</b>	<b>340</b>	<b>100</b>	<b>56</b>	<b>2420</b>	<b>100</b>	<b>52</b>	<b>2230</b>	<b>100</b>
Hyphal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	6*	80*	-	-	-	-
Analyt. Sensitivity 600x	-	44	-	-	44	-	-	44	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	2	-	-	2	-	-	1	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	2	-	-	3	-	-	3	-

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

<b>Lab Sample Number:</b>	061909863-0007				
<b>Client Sample ID:</b>	2839-4350				
<b>Volume (L):</b>					
<b>Sample Location</b>	Field Blank				
<b>Spore Types</b>	<b>Raw Count</b>	<b>Count/m³</b>	<b>% of Total</b>		
Alternaria (Ulocladium)	-	-	-		
Ascospores	-	-	-		
Aspergillus/Penicillium	-	-	-		
Basidiospores	-	-	-		
Bipolaris++	-	-	-		
Chaetomium	-	-	-		
Cladosporium	-	-	-		
Curvularia	-	-	-		
Epicoccum	-	-	-		
Fusarium	-	-	-		
Ganoderma	-	-	-		
Myxomycetes++	-	-	-		
Pithomyces++	-	-	-		
Rust	-	-	-		
Scopulariopsis/Microascus	-	-	-		
Stachybotrys/Memnoniella	-	-	-		
Unidentifiable Spores	-	-	-		
Zygomycetes	-	-	-		
Polythrincium	-	-	-		
<b>Total Fungi</b>	-	<b>No Trace</b>	-		
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.

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



EMSL ANALYTICAL, INC.  
LABORATORY PRODUCTS - TRAINING

# Microbiology Chain of Custody

EMSL Order Number (Lab Use Only):

061909863

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 Jayatillake		Telephone #: 301-595-3783	
Email Address: ijayatillake@salutinc.com		Fax #:	Purchase Order:
Project Number/Location: PGCP5 IAQ19-035 KENMOOR ES		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email	

Location Address: 3211, 82 ND AVENUE, LANDOVER, MD 20715 Connecticut Samples:  Commercial  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:  Biocide Used in Source (specify):

Public Water Supply Samples:  Note: All results may automatically be reported to DOH if required by state.

Turnaround Time (TAT) Options \* - Please Check

3 Hour  6 Hour  24 Hour  48 Hour  72 Hour  96 Hour  1 Week  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			
M011 Bacteria Count & ID - 5 Most Prominent			
M012 Pseudomonas aeruginosa (P/A***)			

\*MFT= Membrane Filtration Technique  
\*\*MPN= Most Probable Number  
\*\*\*P/A= Presence/Absence

Name of Sampler: \_\_\_\_\_ 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)
2839 - 4345	Room 6	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	M001	75L	5/22/2019	
2839 - 4339	Room 8	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	M001	75L	5/22/2019	
2839 - 4342	Room 13	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	M001	75L	5/22/2019	
2839 - 4315	Room 18	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	M001	75L	5/22/2019	
2839 - 4353	Outside Exterior EV Sample	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	M001	75L	5/22/2019	
839 - 4351	Multi Purpose Room	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	M001	75L	5/22/2019	

Client Sample # (s): \_\_\_\_\_ Total # of Samples: 7 Samples Received Chilled? Yes / No

Relinquished (Client): \_\_\_\_\_ Date: 5/22/19 Time: \_\_\_\_\_  
 Received (Lab): *Thomas Dalkin* Date: 5/22/19 Time: 4:40

Comments/Special Instructions:

MAY 23 2019  
 9:39 AM  
 SALES  
 INC.

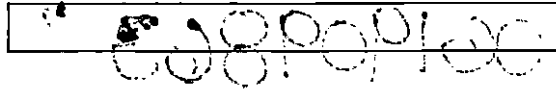
*RCVD 5/24/19 @ 9:39 AM*

*E. Dalkin*  
5/24/19



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Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Location/Description	Sample Type	Potable/ NonPotable	Test Code	Volume/ Area	Date/Time Collected	Temperature (°C) (Lab Use Only)
2839 - 4350	Field Blank	N/A	<input type="checkbox"/> P <input type="checkbox"/> NP	N/A	N/A	5/22/2019	
			<input type="checkbox"/> P <input type="checkbox"/> NP	(Signature)			
			<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				
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			<input type="checkbox"/> P <input type="checkbox"/> NP				
Comments/Special Instructions: <div style="float: right; text-align: right; margin-right: 20px;">                     19 MAY 2019 AM 9:39                      EMILIA LAOZ-MYERS                 </div>							