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February 2, 2021

Prince Georges County Environmental Safety Office 13306 Old Marlboro Pike Upper Marlboro, MD 20772

Attention: Mr. Alex Baylor

RE: Indoor Air Quality Screening Report

Global Project Number: 20-064 School: Avalon Elementary School

Dear Mr. Baylor,

On January 27, 2021, Global Inc.'s (GLOBAL) team of Industrial Hygienists under the supervision of Certified Industrial Hygienist, Dr. Channa Bambaradeniya, conducted an Indoor Air Quality Screening at Avalon Elementary School located at 7302 Webster Ln, Fort Washington, MD 20744.

### Methodology

The IAQ evaluation included a visual assessment, sampling for non-viable mold spores in air, and measurement of comfort parameters (temperature, humidity, carbon dioxide, and carbon monoxide) in randomly selected representative locations within the building. GLOBAL's inspector conducted a walkthrough with Prince Georges County Public School (PGCPS) personnel present. Rooms were selected in a random manner throughout the building so as to prevent sampling bias.

During the visual assessment of representative locations, and when noted, GLOBAL documented those areas with suspected mold growth, water intrusions, and wet conditions that have the potential to lead to mold growth. GLOBAL also noted any unusual odors. At least one microbial air sample was collected for every 10,000 Square Feet (SF) of space in the building and the analytical results for the interior spaces were compared to an outdoor (ambient) sample collected on the same day.

Microbial samples (including a field blank for quality control) were delivered under strict chainof-custody procedures were to Hayes Microbial Consulting - an AIHA EMPAT-certified laboratory in Midlothian, Virginia for analysis by microscopy. The sample chain-of-custody and laboratory report is attached.



### Observations

The general observations in the four indoor locations inspected are summarized in Table 1 below:

### **Table 1: Observations**

| Location          | Observations           |
|-------------------|------------------------|
| Multipurpose room | No issues              |
| Room 175          | No issues              |
| Room 159          | Packed porous material |
| Room 142          | No issues              |

### Comfort Parameter Measurements and Mold-in-Air Sample Results

The comfort parameter measurements and status of fungal ecology is summarized in Table 2.

### **Temperature**

The American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) have published recommendations for year-round acceptable temperatures in Standard 55-2016 (*Thermal Environmental Conditions for Human Occupancy*). The winter comfort range is 68 to 75°F and the summer comfort range is 73 to 79°F. It is important to note that ASHRAE standards are intended as a suggested guideline as opposed to a regulation. The indoor temperature reading of Multipurpose room was below the ASHRAE Standard.

### Relative Humidity (RH)

Relative humidity is a key factor for mold growth. Mold has the potential of growing on suitable surfaces with humidity levels above 60%. ASHRAE standard 62.1-2013 (*Ventilation for Acceptable Indoor Air Quality*) recommends a maximum indoor relative humidity of 65% to preclude the likelihood of condensation on cool surfaces encouraging mold growth. All the indoor relative humidity readings were below the ASHRAE recommended level of 65%.

### Carbon Monoxide

Carbon monoxide (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 the major sources of CO. All registered CO concentrations were below the EPA National Ambient Air Quality Standard (NAAQS) of 9 ppm.

### Carbon Dioxide

Under conditions of maximum occupancy, ASHRAE Standard 62.1-2013, Appendix C, infers that the acceptable carbon dioxide upper limit is the prevailing outdoor carbon dioxide concentration

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plus 700 parts per million (ppm). On January 27, 2021, the outdoor (ambient) carbon dioxide concentration was approximately 410 ppm so indoor concentrations should not exceed approximately 1110 ppm (700 + 410). All indoor carbon dioxide measurements were within the ASHRAE standards.

### 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 fungal ecology profile should be consistent with what is encountered outdoors and the spore concentrations should be below the ambient levels. The total mold spore count in all indoor air samples were below the ambient levels. Laboratory analytical results are attached at the end of this report.

| Sample Location   | Temp<br><sup>0</sup> F | RH%            | CO<br>ppm   | CO2<br>ppm     | Normal<br>Fungal |
|-------------------|------------------------|----------------|-------------|----------------|------------------|
| Standards         | ASHRAE<br>68 to 75°F   | ASHRAE<br><65% | NAAQS<br><9 | ASHRAE<br>1110 | Ecology?         |
| Ambient           | 45.4                   | 35.8           | 0           | 410            | N/A              |
| Multipurpose room | 66.5                   | 50.7           | 0           | 422            | Yes              |
| Room 175          | 69.4                   | 45.7           | 0           | 411            | Yes              |
| Room 159          | 69.7                   | 34.1           | 0           | 411            | Yes              |
| Room 142          | 69.6                   | 39.2           | 0           | 407            | Yes              |

### Table 2: Air Quality Results

### **Conclusions and Recommendations**

Among the comfort parameters measured, the indoor temperature readin in the Multipurpose room was slightly below the ASHRAE recommended range for winter. No indoor air quality issues related to mold were found during the screening performed on January 27, 2021, and all mold samples were found to have a normal ecology for an indoor environment.

It has been our pleasure to conduct these IAQ Screening services for the Prince George's County Public School system. If you have any questions, please feel free to contact us.



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Regards,

Channa Bambaradeniya, Ph.D., CIH, CSP, CHMM Certified Industrial Hygienist Global, Inc. Mobile: 443-691-0455



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### ATTACHMENT I

Air Sample Analytical Results and Chain-Of-Custody Form



### #21003197

Analysis Report prepared for

# Global, Inc.

1818 New York Ave. Suite 217 Washington, DC, 20002

Phone: (443) 691-0455

**BB203** Indoor Air Quality Assessment PGCPS Avalon Elementary School

Collected: January 27, 2021 Received: January 28, 2021 Reported: January 28, 2021 We would like to thank you for trusting Hayes Microbial for your analytical needs! We received 6 samples by FedEx in good condition for this project on January 28th, 2021.

The results in this analysis pertain only to this job, collected on the stated date, and should not be used in the interpretation of any other job. This report may not be duplicated, except in full, without the written consent of Hayes Microbial Consulting, LLC..

This laboratory bears no responsibility for sample collection activities, analytical method limitations, or your use of the test results. Interpretation and use of test results are your responsibility. Any reference to health effects or interpretation of mold levels is strictly the opinion of Hayes Microbial. In no event, shall Hayes Microbial or any of its employees be liable for lost profits or any special, incidental or consequential damages arising out of the use of these test results.

phen N. Hoyces

Steve Hayes, BSMT(ASCP) Laboratory Director Hayes Microbial Consulting, LLC.



EPA Laboratory ID: VA01419





DPH License: #PH-0198

Lab ID: #188863

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### Shanka Dissanayake Global, Inc.

1818 New York Ave. Suite 217 Washington, DC, 20002 (443) 691-0455

### **BB203** Indoor Air Quality Assessment

PGCPS Avalon Elementary School

## Spore Trap, Spore Trap Blank SOP - HMC#101

| Sample Number                          | 1           | 1         AES-0127-01         2         AES-0127-02         3         AES-0127 |                      |             |                                    |                        |             |                          |            |                          |                        |           |  |
|--|-------------|--|----------------------|-------------|------------------------------------|------------------------|-------------|--------------------------|------------|--------------------------|------------------------|-----------|--|
| Sample Name                            |             | Ambient  |                      |             | Multipurpose Room                  |                        |             | Room 175                 |            | room 159                 |                        |           |  |
| Sample Volume                          | 75.00 liter |  |                      | 75.00 liter |                                    |                        | 75.00 liter |                          |            | 75.00 liter              |                        |           |  |
| Reporting Limit                        |             | 13 spores/m <sup>3</sup>   |                      |             | 13 spores/m <sup>3</sup>           |                        |             | 13 spores/m <sup>3</sup> |            | 13 spores/m <sup>3</sup> |                        |           |  |
| Background                             |             | 2  |                      |             | 1                                  |                        |             | 2                        |            | 2                        |                        |           |  |
| Fragments                              | ND          |  | ND                   |             |                                    | ND                     |             |                          | ND         |                          |                        |           |  |
|  |             | Count / m <sup>3</sup>   | 0 f <b>T</b> . h . l |             |                                    |                        |             |                          |            |                          |                        |           |  |
| Organism                               | Raw Count   | Count / m°   | % of Total           | Raw Count   | Count / m <sup>3</sup>             | % of Total             | Raw Count   | Count / m <sup>3</sup>   | % of Total | Raw Count                | Count / m <sup>3</sup> | % of Tota |  |
| Alternaria                             |             | 40   | 75.00                | 1           | 13                                 | 50.0%                  |             | 10                       | 00.00      |                          | 07                     | =         |  |
| Ascospores                             | 3           | 40   | 75.0%                | 1           | 13                                 | 50.0%                  | 1           | 13                       | 33.3%      | 2                        | 27                     | 50.0%     |  |
| spergillus Penicillium                 |             |  |                      |             |                                    |                        |             |                          |            |                          |                        |           |  |
| Basidiospores                          | 1           | 13   | 25.0%                |             |                                    |                        |             |                          |            | 2                        | 27                     | 50.09     |  |
| Bipolaris Drechslera                   |             |  |                      |             |                                    |                        |             |                          |            |                          |                        |           |  |
| Chaetomium                             |             |  |                      |             |                                    |                        |             |                          |            |                          |                        |           |  |
| Cladosporium                           |             |  |                      |             |                                    |                        | 2           | 27                       | 66.7%      |                          |                        |           |  |
| Curvularia                             |             |  |                      |             |                                    |                        |             |                          |            |                          |                        |           |  |
| Epicoccum                              |             |  |                      |             |                                    |                        |             |                          |            |                          |                        |           |  |
| Fusarium                               |             |  |                      |             |                                    |                        |             |                          |            |                          |                        |           |  |
| Memnoniella                            |             |  |                      |             |                                    |                        |             |                          |            |                          |                        |           |  |
| Myxomycetes                            |             |  |                      |             |                                    |                        |             |                          |            |                          |                        |           |  |
| Pithomyces                             |             |  |                      |             |                                    |                        |             |                          |            |                          |                        |           |  |
| Stachybotrys                           |             |  |                      |             |                                    |                        |             |                          |            |                          |                        |           |  |
| Stemphylium                            |             |  |                      |             |                                    |                        |             |                          |            |                          |                        |           |  |
| Torula                                 |             |  |                      |             |                                    |                        |             |                          |            |                          |                        |           |  |
| Ulocladium                             |             |  |                      |             |                                    |                        |             |                          |            |                          |                        |           |  |
| Total                                  | 4           | 53   | 100%                 | 2           | 26                                 | 100%                   | 3           | 40                       | 100%       | 4                        | 54                     | 1009      |  |
| Water Damage Indicator Common Allergen |             | Slightly Higher than Baseline  |                      |             | Significantly Higher than Baseline |                        |             | Ratio Abnormality        |            |                          |                        |           |  |
|  |             | Collected: Jan 2   | 27, 2021             | Rece        | eived: <b>Jan 28, 2</b>            | 021                    | Reported:   | Jan 28, 2021             |            |                          |                        |           |  |
| <b>HAY</b><br>MICROBIAL CO             | ES          | Project Analyst<br>Shareef Abdelga   | - 1                  | 14          | donte                              | Date:<br>01 - 28 - 202 | Reviewe     | ed By:<br>layes, BSMT 🏒  | Honlan 7   | 1 Hours                  | Date:                  | 8 - 2021  |  |

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### Shanka Dissanayake Global, Inc.

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### **BB203**

Indoor Air Quality Assessment PGCPS Avalon Elementary School

### #21003197

# Spore Trap, Spore Trap Blank SOP - HMC#101

| Sample Number           | 5         | AES-01                   | 27-05      | 6                      | F                       | В             |           |                 |               |      |                |      |
|-------------------------|-----------|--------------------------|------------|------------------------|-------------------------|---------------|-----------|-----------------|---------------|------|----------------|------|
| Sample Name             |           | Room 142                 |            |                        | Field Blank             |               |           |                 |               |      |                |      |
| O annu la Maluma a      |           | 75.00 1.4                |            |                        | 0.00 liter              |               |           |                 |               |      |                |      |
| Sample Volume           |           | 75.00 liter              |            |                        | 0.00 liter              |               |           |                 |               |      |                |      |
| Reporting Limit         |           | 13 spores/m <sup>3</sup> |            | 1 spore/m <sup>3</sup> |                         |               |           |                 |               |      |                |      |
| Background              | 1<br>ND   |                          |            |                        | NBD                     |               |           |                 |               |      |                |      |
| Fragments               |           | ND                       |            | ND                     |                         |               |           |                 |               |      |                |      |
|                         |           |                          |            |                        |                         |               |           |                 |               |      |                |      |
| Organism                | Raw Count | Count / m <sup>3</sup>   | % of Total | Raw Count              | Count / m <sup>3</sup>  | % of Total    |           |                 |               |      |                |      |
| Alternaria              |           |                          |            |                        |                         |               |           |                 |               |      |                |      |
| Ascospores              |           |                          |            |                        |                         |               |           |                 |               |      |                |      |
| Aspergillus Penicillium |           |                          |            |                        |                         |               |           |                 |               |      |                |      |
| Basidiospores           |           |                          |            |                        |                         |               |           |                 |               |      |                |      |
| Bipolaris Drechslera    |           |                          |            |                        |                         |               |           |                 |               |      |                |      |
| Chaetomium              |           |                          |            |                        |                         |               |           |                 |               |      |                |      |
| Cladosporium            |           |                          |            |                        |                         |               |           |                 |               |      |                |      |
| Curvularia              |           |                          |            |                        |                         |               |           |                 |               |      |                |      |
| Epicoccum               |           |                          |            |                        |                         |               |           |                 |               |      |                |      |
| Fusarium                |           |                          |            |                        |                         |               |           |                 |               |      |                |      |
| Memnoniella             |           |                          |            |                        |                         |               |           |                 |               |      |                |      |
| Myxomycetes             | 1         | 13                       | 100.0%     |                        |                         |               |           |                 |               |      |                |      |
| Pithomyces              |           |                          |            |                        |                         |               |           |                 |               |      |                |      |
| Stachybotrys            |           |                          |            |                        |                         |               |           |                 |               |      |                |      |
| Stemphylium             |           |                          |            |                        |                         |               |           |                 |               |      |                |      |
| Torula                  |           |                          |            |                        |                         |               |           |                 |               |      |                |      |
| Ulocladium              |           |                          |            |                        |                         |               |           |                 |               |      |                |      |
|                         |           |                          |            |                        |                         |               |           |                 |               |      |                |      |
|                         |           |                          |            |                        |                         |               |           |                 |               |      |                |      |
| Total                   | 1         | 13                       | 100%       | ND                     | ND                      |               |           |                 |               |      |                |      |
| Water Damage Indicato   | r         | Commo                    | n Allergen |                        | Slightly Higher         | than Baseline | Signifi   | cantly Higher 1 | than Baseline |      | Ratio Abnormal | lity |
|                         |           | Collected: Jan 2         | 27, 2021   | Rece                   | eived: <b>Jan 28, 2</b> | 021           | Reported: | Jan 28, 2021    |               |      |                |      |
| ΠΗΛΥ                    |           | Project Analyst:         |            | 0                      |                         | Date:         | Reviewed  | d By:           | 0, 1          | a 11 | Date:          |      |



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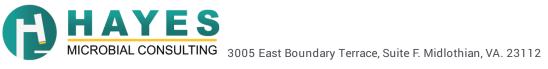
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### **BB203** Indoor Air Quality Assessment PGCPS Avalon Elementary School

| Reporting Limit                    | The Reporting Limit is the lowest number of spores that can be detected based on the total volume of the sample collected and the percentage of the slide that is counted. At Hayes Microbial, 100% of the slide is read so the LOD is based solely on the total volume. Raw spore counts that exceed 500 spores will be estimated.  |
|------------------------------------|--|
| Blanks                             | Results have not been corrected for field or laboratory blanks.  |
| Background                         | The Background is the amount of debris that is present in the sample. This debris consists of skin cells, dirt, dust, pollen, drywall dust and other organic and non-organic matter. As the background density increases, the likelihood of spores, especially small spores such as those of Aspergillus and Penicillium mathematics be obscured. The background is rated on a scale of 1 to 5 and each level is determined as follows:  |
|                                    | <ul> <li>NBD: No background detected due to possible pump or cassette malfunction. Recollect sample. (Field Blanks will display NBD)</li> <li>1 : &lt;5% of field occluded. No spores will be uncountable.</li> <li>2 : 5-25% of field occluded.</li> <li>3 : 25-75% of field occluded.</li> <li>4 : 75-90% of field occluded.</li> <li>5 : &gt;90% of field occluded. Suggested recollection of sample.</li> </ul>  |
| Fragments                          | Fragments are small pieces of fungal mycelium or spores. They are not identifiable as to type and when present in very large numbers, may indicate the presence of mold amplification.   |
| Control Comparisons                | There are no national standards for the numbers of fungal spores that may be present in the indoor environment. As a general rule and guideline that is widely accepted in the indoor air quality field, the numbers and types of spores that are present in the indoor environment should not exceed those that are present outdoors at any given time. There will always be some mold spores present in "normal" indoor environments. The purpose of sampling and counting spores is to help determine whether an abnormal condition exists within the indoor environment and if it does, to help pinpoint the area of contamination. Spore counts should not be used as the sole determining factor of mold contamination. There are many factors that can cause anomalies in the comparisor of indoor and outdoor samples due to the dynamic nature of both of those environments. |
| Water Damage Indicator             | Blue: These molds are commonly seen in conditions of prolonged water intrusion and usually indicate a problem.   |
| Common Allergen                    | Green: Although all molds are potential allergens, these are the most common allergens that may be found indoors.  |
| Slightly Higher than Baseline      | Orange: The spore count is slightly higher than the outside count and may or may not indicate a source of contamination.<br>Red: The spore count is significantly higher than the baseline count and probably indicates a source of contamination.   |
| Significantly Higher than Baseline |  |
| Ratio Abnormality                  | Violet: The types of spores found indoors should be similar to the ones that were identified in the baseline sample. Significant increases (more than 25%) in the ratio of a particular spore type may indicate the presence of abnormal levels of mold, even if the total number of spores of that type is lower in the indoor environment than it was outdoors.  |
| Color Coding                       | Fungi that are present in indoor samples at levels lower than 200 per cubic meter are not color coded on the report, unless they are one of the water damag indicators.  |



| Shanka Dissanayake<br>Global, Inc.                                      |          | BB203<br>Indoor Air Quality Assessment  | #21003197                              |  |  |  |
|---|----------|---|--|--|--|--|
| 1818 New York Ave. Suite 217<br>Washington, DC, 20002<br>(443) 691-0455 |          | PGCPS Avalon Elementary School  | Organism Descriptions                  |  |  |  |
| Alternaria  | Habitat: | Commonly found outdoors in soil and decaying plants. Indoors, it is commonly found on window sills a  | nd other horizontal surfaces.          |  |  |  |
|   | Effects: | A common allergen and has been associated with hypersensitivity pneumonitis. Alternaria is capable of may be associated with disease in humans or animals. Occasionally an agent of onychomycosis, ulcerate sinusitis, principally in the immunocompromised patient.  |  |  |  |  |
| Ascospores  | Habitat: | A large group consisting of more than 3000 species of fungi. Common plant pathogens and outdoor nu rain. Most of the genera are indistinguishable by spore trap analysis and are combined on the report.  | mbers become very high following       |  |  |  |
|   | Effects: | Health affects are poorly studied, but many are likely to be allergenic.  |  |  |  |  |
| Basidiospores   | Habitat: | A common group of Fungi that includes the mushrooms and bracket fungi. They are saprophytes and pl<br>can cause structural damage to buildings.   | ant pathogens. In wet conditions they  |  |  |  |
|   | Effects: | Common allergens and are also associated with hypersensitivity pneumonitis.   |  |  |  |  |
| Cladosporium  | Habitat: | One of the most common genera worldwide. Found in soil and plant debris and on the leaf surfaces of li<br>lower in the winter and often relatively high in the summer, especially in high humidity. The outdoor num<br>and evening. Indoors, it can be found growing on textiles, wood, sheetrock, moist window sills and in HV | bers often spike in the late afternoon |  |  |  |
|   | Effects: | A common allergen, producing more than 10 allergenic antigens and a common cause of hypersensitivit   |  |  |  |  |
| Myxomycetes   | Habitat: | Found on decaying plant material and as a plant pathogen.   |  |  |  |  |
| , ,   | Effects: | Some allergenic properties reported, but generally pose no health concerns to humans.   |  |  |  |  |





Company: Global Inc

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Washington DC 20002



# 8160 4410 5597



| Job Number: BB203     Job Name: Indoor Air Quality Assessmer<br>AVALON ELEMENTARY SC       Date Collected: 01/27/21     Analysis Description       Xnalysis Type     S     Identification & Enumeration of Fungal Spores       Spore Trap     S     Identification & Enumeration of Fungal Spores       Direct ID     D     ID & Semi-Quantative Enumeration of spores and mycelium       Direct ID     D     ID & Semi-Quantative Enumeration of Mold only       Culture     C1     Identification & Enumeration of Mold only       Culture     C1     Identification & Enumeration of Mold and Bacteria       Culture     C3     Identification & Enumeration of Mold and Bacteria       Parti     C5     Coliform Screen for Sewage Bacteria       Parti     Total Particulate Analysis, ID & Count (Does Not Include Mold)       #     Number     Sample       1     AES-0127-01     AMBIENT       2     AES-0127-02     MULTIPUPOSE ROOM       3     AES-0127-05     ROOM 175       4     AES-0127-05     ROOM 159       5     AES-0127-05     ROOM 142       6     FB     FIELD BLANK       7      FIELD BLANK       7      FIELD BLANK       7      FIELD BLANK       7      FIELD BLANK       7 <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>.003197</th> |                                     |     |            |  |                               |                 | .003197      |
|--|-------------------------------------|-----|------------|--|-------------------------------|-----------------|--------------|
| Date Collected: 01/27/21Analysis TypeAnalysis TypeAnalysis TypeSpore TrapSIdentification & Enumeration of Fungal SporesDirect IDDID & Semi-Quantative Enumeration of spores and myceliumDirect IDDID & Semi-Quantative Enumeration of Mold onlyCultureC1Identification & Enumeration of Mold onlyCultureC2Identification & Enumeration of Mold and BacteriaColspan="2">C5Coliform Screen for Sewage BacteriaParticleTotal Particulate Analysis, ID & Count (Does Not Include Mold)#NumberSample1AES-0127-01AMBIENT2AES-0127-02MULTIPUPOSE ROOM3AES-0127-05ROOM 1754AES-0127-05ROOM 1595AES-0127-05ROOM 1426FBFIELD BLANK7  |                                     |     |            |  | 1 =                           |                 |              |
| Analysis TypeAnalysis DescriptionSpore TrapSIdentification & Enumeration of Fungal SporesDirect TapS+Spore Trap Analysis with Dander, Fiber, and Pollen countsDirect IDDID & Semi-Quantative Enumeration of spores and myceliumCultureD+Direct Analysis with Fully Quantitative spore countCultureC1Identification & Enumeration of Mold onlyC2Identification & Enumeration of Bacteria onlyC3Identification & Enumeration of Mold and BacteriaParticeTPATotal Particulate Analysis, ID & Count (Does Not Include Mold)#NumberSample1AES-0127-01AMBIENT2AES-0127-02MULTIPUPOSE ROOM3AES-0127-05ROOM 1754AES-0127-05ROOM 1695AES-0127-05ROOM 1426FBFIELD BLANK7   |                                     |     |            | Mobile: 443-691-0455 Em<br>Note:       |                               |                 | alincusa.net |
| Spore TrapSIdentification & Enumeration of Fungal SporesSiteSpore Trap Analysis with Dander, Fiber, and Pollen countsDirect IDDID & Semi-Quantative Enumeration of spores and myceliumCultureD+Direct Analysis with Fully Quantitative spore countCultureC1Identification & Enumeration of Mold onlyC2Identification & Enumeration of Mold and BacteriaC3Identification & Enumeration of Mold and BacteriaParticleC5Coliform Screen for Sewage BacteriaParticleTPATotal Particulate Analysis, ID & Count (Does Not Include Mold)#NumberSample1AES-0127-01AMBIENT2AES-0127-02MULTIPUPOSE ROOM3AES-0127-03ROOM 1754AES-0127-05ROOM 1426FBFIELD BLANK7  | · Beacher and and a second strategy |     |            |  |                               |                 |              |
| S+     Spore Trap Analysis with Dander, Fiber, and Pollen counts       Direct ID     D     ID & Semi-Quantative Enumeration of spores and mycelium       Dt+     Direct Analysis with Fully Quantitative spore count       Culture     C1     Identification & Enumeration of Mold only       Culture     C1     Identification & Enumeration of Mold and Bacteria       C2     Identification & Enumeration of Mold and Bacteria       C3     Identification & Enumeration of Mold and Bacteria       Particle     TPA     Total Particulate Analysis, ID & Count (Does Not Include Mold)       #     Number     Sample       1     AES-0127-01     AMBIENT       2     AES-0127-02     MULTIPUPOSE ROOM       3     AES-0127-03     ROOM 175       4     AES-0127-04     ROOM 159       5     AES-0127-05     ROOM 142       6     FB     FIELD BLANK       7  |                                     |     | Turnaround | Accepted Media Types                   |                               |                 |              |
| Direct ID     D     ID & Semi-Quantative Enumeration of spores and mycelium       Direct ID     D+     Direct Analysis with Fully Quantitative spore count       Culture     C1     Identification & Enumeration of Mold only       Culture     C1     Identification & Enumeration of Bacteria only       C2     Identification & Enumeration of Mold and Bacteria       C3     Identification & Enumeration of Mold and Bacteria       Partice     C5     Coliform Screen for Sewage Bacteria       Partice     TPA     Total Particulate Analysis, ID & Count (Does Not Include Mold)       #     Number     Sample       1     AES-0127-01     AMBIENT       2     AES-0127-02     MULTIPUPOSE ROOM       3     AES-0127-03     ROOM 175       4     AES-0127-04     ROOM 159       5     AES-0127-05     ROOM 142       6     FB     FIELD BLANK       7  |                                     |     | 4 Hour     |  | ttes, Impact S                |                 |              |
| D+     Direct Analysis with Fully Quantitative Endmeration of spores and mycelium       Culture     C1     Identification & Enumeration of Mold only       C2     Identification & Enumeration of Bacteria only       C3     Identification & Enumeration of Mold and Bacteria       C3     Identification & Enumeration of Mold and Bacteria       C5     Coliform Screen for Sewage Bacteria       Particle     TPA     Total Particulate Analysis, ID & Count (Does Not Include Mold)       #     Number     Sample       1     AES-0127-01     AMBIENT       2     AES-0127-02     MULTIPUPOSE ROOM       3     AES-0127-03     ROOM 175       4     AES-0127-04     ROOM 159       5     AES-0127-05     ROOM 142       6     FB     FIELD BLANK       7  |                                     |     | 4 Hour     |  | tes, Impact S                 |                 |              |
| Culture     C1     Identification & Enumeration of Mold only       Culture     C1     Identification & Enumeration of Mold only       C2     Identification & Enumeration of Mold and Bacteria       C3     Identification & Enumeration of Mold and Bacteria       C5     Coliform Screen for Sewage Bacteria       Partice     TPA     Total Particulate Analysis, ID & Count (Does Not Include Mold)       #     Number     Sample       1     AES-0127-01     AMBIENT       2     AES-0127-02     MULTIPUPOSE ROOM       3     AES-0127-03     ROOM 175       4     AES-0127-04     ROOM 159       5     AES-0127-05     ROOM 142       6     FB     FIELD BLANK       7   |                                     |     | 4 Hour     | Bio-Tape, Tape, Swab, Bulk, Agar Plate |                               |                 |              |
| Instruction of Linumeration of Mold only           C2         Identification & Enumeration of Bacteria only           C3         Identification & Enumeration of Mold and Bacteria           C3         Identification & Enumeration of Mold and Bacteria           Particle         C5         Coliform Screen for Sewage Bacteria           Particle         TPA         Total Particulate Analysis, ID & Count (Does Not Include Mold)           #         Number         Sample           1         AES-0127-01         AMBIENT           2         AES-0127-02         MULTIPUPOSE ROOM           3         AES-0127-03         ROOM 175           4         AES-0127-04         ROOM 159           5         AES-0127-05         ROOM 142           6         FB         FIELD BLANK           7   |                                     |     | 4 Hour     | Bio-Tape,                              | Tape, Swab, B                 | ulk, Agar Plate |              |
| C3Identification & Enumeration of Mold and BacteriaC5Coliform Screen for Sewage BacteriaParticleTPATotal Particulate Analysis, ID & Count (Does Not Include Mold)#NumberSample1AES-0127-01AMBIENT2AES-0127-02MULTIPUPOSE ROOM3AES-0127-03ROOM 1754AES-0127-04ROOM 1595AES-0127-05ROOM 1426FBFIELD BLANK7   |                                     | 7   | Day        | Air Plate, A                           | Agar Plate, Sw                | vab, Bulk       |              |
| C5Coliform Screen for Sewage BacteriaParticleTPATotal Particulate Analysis, ID & Count (Does Not Include Mold)#NumberSample1 $AES-0127-01$ $AMBIENT$ 2 $AES-0127-02$ $MULTIPUPOSE ROOM$ 3 $AES-0127-03$ $ROOM 175$ 4 $AES-0127-05$ $ROOM 159$ 5 $AES-0127-05$ $ROOM 142$ 6 $FB$ $FIELD BLANK$ 7  |                                     |     |            |  | Plate, Agar Plate, Swab, Bulk |                 |              |
| Particle         TPA         Total Particulate Analysis, ID & Count (Does Not Include Mold)           #         Number         Sample           1         AES-0127-01         AMBIENT           2         AES-0127-02         MULTIPUPOSE ROOM           3         AES-0127-03         ROOM 175           4         AES-0127-04         ROOM 159           5         AES-0127-05         ROOM 142           6         FB         FIELD BLANK           7   |                                     | 7   | Day        | Air Plate, Agar Plate, Swab, Bulk      |                               |                 |              |
| #         Number         Sample           1         AES-0127-01         AMBIENT           2         AES-0127-02         MULTIPUPOSE ROOM           3         AES-0127-03         ROOM 175           4         AES-0127-04         ROOM 159           5         AES-0127-05         ROOM 142           6         FB         FIELD BLANK           7         1         1           10         11         11           11         11         11   |                                     | 2   | Day        | Agar Plate                             | , Swab, Bulk                  |                 |              |
| Image: Notified in the stample         Sample           1         AES-0127-01         AMBIENT           2         AES-0127-02         MULTIPUPOSE ROOM           3         AES-0127-03         ROOM 175           4         AES-0127-04         ROOM 159           5         AES-0127-05         ROOM 142           6         FB         FIELD BLANK           7   |                                     | 24  | 1 Hour     | Air Cassettes, Impact Slides, Bio-Tape |                               |                 |              |
| ALEGOIZAGI         AMBIENT           2         AES-0127-02         MULTIPUPOSE ROOM           3         AES-0127-03         ROOM 175           4         AES-0127-04         ROOM 159           5         AES-0127-05         ROOM 142           6         FB         FIELD BLANK           7  | Analy                               | sis | Volume     |  |                               | Notes           |              |
| 3     AES-0127-03     ROOM 175       4     AES-0127-04     ROOM 159       5     AES-0127-05     ROOM 142       6     FB     FIELD BLANK       7  | S                                   |     | 75L        |  |                               |                 |              |
| AES 0127-04         ROOM 175           4         AES-0127-04         ROOM 159           5         AES-0127-05         ROOM 142           6         FB         FIELD BLANK           7  | S                                   |     | 75L        |  |                               |                 |              |
| 5         AES-0127-05         ROOM 142           6         FB         FIELD BLANK           7  | S                                   |     | 75L        |  |                               |                 |              |
| 6         FB         FIELD BLANK           7   | S                                   |     | 75L        |  |                               |                 |              |
| 7     FIELD BLANK       7  | S                                   |     | 75L        |  |                               |                 |              |
| 8  | S                                   |     |            |  |                               |                 |              |
| 9  |                                     |     |            |  |                               |                 |              |
| 10   |                                     |     |            |  |                               |                 |              |
| 11       12       13   |                                     |     |            |  |                               |                 |              |
| 12 13 13 14 14 14 14 14 14 14 14 14 14 14 14 14  |                                     |     |            |  |                               |                 |              |
| 13   |                                     |     |            |  |                               |                 |              |
|  |                                     |     |            |  |                               |                 |              |
| 14   |                                     |     |            |  |                               |                 |              |
|  |                                     |     |            |  |                               |                 |              |
| 15   |                                     |     |            |  |                               |                 |              |
| 16   |                                     |     |            |  |                               |                 |              |
| Released by: Date: Beceiv  | /ed By:                             |     |            | L                                      | /                             | Date:           | 2001         |

Form #20, Rev.3, March 23, 2019 Chain of Custody