

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

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

June 17, 2019

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

- Attention: Alex Baylor <u>alex.baylor@pgcps.org</u>
- Subject: Indoor Air Quality Survey Excel Academy @ Matthew Henson Elementary School 7910 Scott Road, 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 Excel Academy @ Matthew Henson Elementary School, a property maintained by Prince George's County Public Schools (PGCPS) located at 7910 Scott Road, 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 3000photoionization detector (PID) was used to measure total volatile organic compounds (TVOC).

Respirable particulate in air (size classes PM2.5µ 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 Excel Academy @ Matthew Henson Elementary School, visited on May 22, 2019.

| Location          | Summary of Observations<br>5-22-2019               |
|-------------------|--|
| Classroom 102-103 | 2'x4' ceiling tiles and 1'x1' tile floor;          |
|                   | One stained ceiling tile;                          |
|                   | No visual signs of microbial growth, and no odor;  |
|                   | No visible dust on floor/other furniture surfaces; |
|                   | Unit ventilator.                                   |
| Classroom 105-108 | 2'x4' 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 110     | 2'x4' 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 112     | 2'x4' ceiling tiles and 1'x1' tile floor;          |
|                   | Two stained ceiling tiles;                         |
|                   | No visual signs of microbial growth, and no odor;  |
|                   | No visible dust on floor/other furniture surfaces; |
|                   | Unit ventilator.                                   |
| Classroom 113     | 2'x4' 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 118     | 2'x4' 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 124     | 2'x4' 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.                                   |
| Multipurpose Room | 2'x4' 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.                                   |

**Table 1-Observations** 



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| Location                              | Summary of Observations<br>5-22-2019  |
|---------------------------------------|---|
| Classrooms throughout the<br>Building | No visual signs of microbial growth, and no odor;<br>No visible dust on floor/other furniture surfaces;<br>Unit ventilator. |

#### **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 the 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 within 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  $CO_2$  upper limit is the prevailing outdoor  $CO_2$  concentration plus 700 parts per million (ppm). On the day of the space evaluation, the outdoor (building exterior)  $CO_2$  concentration was approximately 530 ppm therefore indoor concentrations should not exceed approximately 1,230 ppm (700 + 530). The maximum average interior  $CO_2$  concentration detected was 652 ppm in Classroom 118, 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.



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### **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 (PM2.5 and PM10) were below their respective NAAQS levels. On May 22, 2019, the highest average PM2.5 concentration during the monitoring period was 0.002 mg/m<sup>3</sup> (2  $\mu$ g/m<sup>3</sup>) in Classroom 110. This is compared to the NAAQS primary standard for PM2.5 of 12  $\mu$ g/m<sup>3</sup> annual mean. The highest average PM10 concentration during the same period was 0.032 mg/m<sup>3</sup> (32  $\mu$ g/m<sup>3</sup>) in Classroom 110. This is compared to This is compared to NAAQS standard for PM10 of 150  $\mu$ g/m<sup>3</sup> 24 hour average.

### Total Volatile Organic Chemicals (TVOC)

LEED's standard of 500  $\mu$ g/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  $\mu$ g/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.

| May 22, 2019             |                        |                |            |                        |                             |                            |             |  |  |  |
|--------------------------|------------------------|----------------|------------|------------------------|-----------------------------|----------------------------|-------------|--|--|--|
| Sample Location          | Temp<br><sup>0</sup> F | RH%            | CO<br>ppm  | CO <sub>2</sub><br>ppm | PM 2.5<br>mg/m <sup>3</sup> | PM 10<br>mg/m <sup>3</sup> | TVOC<br>ppm |  |  |  |
| Standards                | ASHRAE*<br>73 to 79°F  | ASHRAE<br><65% | NAAQS<br>9 | ASHRAE<br>1,230        | NAAQS<br>0.012              | NAAQS<br>0.150             | 1.0         |  |  |  |
| Classroom 102-103        | 69.8                   | 47.7           | 0          | 585                    | 0.001                       | 0.028                      | 0           |  |  |  |
| Classroom 105-108        | 70.7                   | 47.2           | 0          | 544                    | 0.001                       | 0.021                      | 0           |  |  |  |
| Classroom 110            | 68.0                   | 51.9           | 0          | 610                    | 0.002                       | 0.032                      | 0.1         |  |  |  |
| Classroom 112            | 70.7                   | 47.1           | 0          | 551                    | 0.001                       | 0.031                      | 0.1         |  |  |  |
| Classroom 113            | 70.7                   | 48.2           | 0          | 527                    | 0.001                       | 0.024                      | 0           |  |  |  |
| Classroom 118            | 71.5                   | 45.8           | 0          | 652                    | 0.001                       | 0.031                      | 0           |  |  |  |
| Classroom 124            | 68.9                   | 55.3           | 0          | 579                    | 0.001                       | 0.026                      | 0           |  |  |  |
| Multipurpose Room        | 72.5                   | 42.9           | 0          | 580                    | 0.001                       | 0.021                      | 0           |  |  |  |
| Exterior of the Building |                        |                |            |                        |                             |                            |             |  |  |  |
| -Next to the entrance    | 62.6                   | 56             | 0          | 530                    | 0.004                       | 0.051                      | 0           |  |  |  |

### Table 2: Excel Academy @ Matthew Henson Elementary School InstrumentalScreening Levels

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



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### 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: Excel Academy @ Matthew Henson Elementary School - Measurements ofMold-in-Air Samples

| Spore Types               | Outdoor next to<br>the Building<br>Entrance Area | Classroom 102-103 | Classroom 105-108 | Classroom 110 |
|---------------------------|--|-------------------|-------------------|---------------|
| Alternaria (Ulocladium)   | -  | -                 | -                 | -             |
| Ascospores                | 870  | 400               | -                 | 40            |
| Aspergillus/Penicillium   | 1,200  | 1,200             | 520               | 90            |
| Basidiospores             | 2,900  | 1,500             | 790               | 200           |
| Bipolaris++               | -  | -                 | -                 | -             |
| Chaetomium                | -  | -                 | -                 | -             |
| Cladosporium              | 90   | 90                | 300               | 40            |
| Curvularia                | -  | -                 | -                 | -             |
| Epicoccum                 | -  | -                 | -                 | -             |
| Fusarium                  | -  | -                 | -                 | -             |
| Ganoderma                 | -  | -                 | -                 | -             |
| Myxomycetes++             | 40   | -                 | -                 | -             |
| Pithomyces++              | -  | -                 | -                 | -             |
| Rust                      | -  | -                 | -                 | -             |
| Scopulariopsis/Microascus | -  | -                 | -                 | -             |
| Stachybotrys/Memnoniella  | -  | -                 | -                 | -             |
| Unidentifiable Spores     | -  | -                 | -                 | -             |
| Zygomycetes               | -  | -                 | -                 | -             |
| Oidium                    | 200  | -                 | -                 | -             |
| Polythrincium             | -  | 10*               | -                 | -             |
| Hyphal Fragment           | -  | -                 | -                 | -             |
| Insect Fragment           | -  | -                 | -                 | -             |
| Pollen                    | 300  | 40                | -                 | -             |
| Total Fungi               | 5,300  | 3,200             | 1,610             | 370           |

May 22, 2019

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

++Includes other spores with similar morphology.



### Table 3: Excel Academy @ Matthew Henson Elementary School - Measurements of Mold-in-Air Samples continued

| May 22, 2019              |               |               |               |               |  |  |  |  |
|---------------------------|---------------|---------------|---------------|---------------|--|--|--|--|
| Spore Types               | Classroom 112 | Classroom 113 | Classroom 118 | Classroom 121 |  |  |  |  |
| Alternaria (Ulocladium)   | -             | -             | -             | -             |  |  |  |  |
| Ascospores                | 200           | 300           | 440           | 200           |  |  |  |  |
| Aspergillus/Penicillium   | 520           | 740           | 1,400         | 830           |  |  |  |  |
| Basidiospores             | 200           | 520           | 960           | 440           |  |  |  |  |
| Bipolaris++               | -             | -             | 40            | -             |  |  |  |  |
| Chaetomium                | -             | -             | -             | -             |  |  |  |  |
| Cladosporium              | -             | 40            | -             | -             |  |  |  |  |
| Curvularia                | -             | -             | -             | -             |  |  |  |  |
| Epicoccum                 | -             | -             | -             | -             |  |  |  |  |
| Fusarium                  | -             | -             | -             | -             |  |  |  |  |
| Ganoderma                 | -             | -             | -             | -             |  |  |  |  |
| Myxomycetes++             | 40            | -             | -             | -             |  |  |  |  |
| Pithomyces++              | -             | -             | -             | -             |  |  |  |  |
| Rust                      | -             | -             | 40            | -             |  |  |  |  |
| Scopulariopsis/Microascus | -             | -             | -             | -             |  |  |  |  |
| Stachybotrys/Memnoniella  | 40            | -             | -             | -             |  |  |  |  |
| Unidentifiable Spores     | -             | -             | -             | -             |  |  |  |  |
| Zygomycetes               | -             | -             | -             | -             |  |  |  |  |
| Oidium                    | 40            | -             | -             | -             |  |  |  |  |
| Polythrincium             | -             | -             | -             | -             |  |  |  |  |
| Hyphal Fragment           | 40            | -             | -             | -             |  |  |  |  |
| Insect Fragment           | -             | -             | -             | -             |  |  |  |  |
| Pollen                    | -             | 100           | -             | -             |  |  |  |  |
| Total Fungi               | 1,040         | 1,600         | 2,880         | 1,470         |  |  |  |  |

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

++Includes other spores with similar morphology.



## Table 3: Excel Academy @ Matthew Henson Elementary School - Measurements of Mold-in-Air Samples continued

| Spore Types               | Multipurpose Room | Outdoor next to the<br>Building Entrance Area | Field Blank |  |
|---------------------------|-------------------|---|-------------|--|
| Alternaria (Ulocladium)   | -                 | -   | -           |  |
| Ascospores                | 40                | 870   | -           |  |
| Aspergillus/Penicillium   | 200               | 1200  | -           |  |
| Basidiospores             | 100               | 2900  | -           |  |
| Bipolaris++               | -                 | -   | -           |  |
| Chaetomium                | -                 | -   | -           |  |
| Cladosporium              | -                 | 90  | -           |  |
| Curvularia                | -                 | -   | -           |  |
| Epicoccum                 | -                 | -   | -           |  |
| Fusarium                  | -                 | -   | -           |  |
| Ganoderma                 | -                 | -   | -           |  |
| Myxomycetes++             | -                 | 40  | -           |  |
| Pithomyces++              | -                 | -   | -           |  |
| Rust                      | -                 | -   | -           |  |
| Scopulariopsis/Microascus | -                 | -   | -           |  |
| Stachybotrys/Memnoniella  | -                 | -   | -           |  |
| Unidentifiable Spores     | -                 | -   | -           |  |
| Zygomycetes               | -                 | -   | -           |  |
| Oidium                    | -                 | 200   | -           |  |
| Polythrincium             | -                 | -   | -           |  |
| Hyphal Fragment           | -                 | -   | -           |  |
| Insect Fragment           | -                 | -   | -           |  |
| Pollen                    | -                 | 300   | -           |  |
| Total Fungi               | 340               | 5300  | No Trace    |  |

May 22, 2019

\*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 the some temperature readings which were slightly 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 of the IAQ survey performed at Excel Academy @ Matthew Henson Elementary School, SaLUT recommends the following measures to address the indoor air quality concerns documented:

- 1. Replace suspect stained ceiling tiles and thoroughly clean vents in Classroom 102-103;
- 2. Thoroughly clean vents in Classroom 118.

Thank you for the opportunity to provide industrial hygiene services for PGCPS. If you have any questions, please contact me at 301.595.3783.

Sincerely,

Frystalake

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



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

| Attn:    | Indika Jayatilake   | Phone:     | (301) 595-3783 |
|----------|---|------------|----------------|
|          | SaLUT   | Fax:       | (301) 595-3787 |
|          | 1818 New York Avenue, NE  | Collected: | 05/22/2019     |
|          | Suite 218A  | Received:  | 05/22/2019     |
|          | Washington, DC 20002  | Analyzed:  | 05/24/2019     |
| Project: | PGCPS IAQ/19-035 Excel Academy @Matthew ES, 7910 Scott Road, Landover | MD 20785   |                |

| Test Repo<br>Lab Sample Number:<br>Client Sample ID:<br>Volume (L):<br>Sample Location | oort: Air-O-Cell(™) Analysis of Fungal Spores &<br>061909872-0001<br>2839-4307<br>75<br>Room 102-103 |                      |            | & Particulates by Optical Microscopy (Methods M<br>061909872-0002<br>2839-4309<br>75<br>Room 105-108 |                      |            | IICRO-SOP-201, ASTM D7391)<br>061909872-0003<br>2839-4326<br>75<br>Room 110 |                      |            |
|--|--|----------------------|------------|--|----------------------|------------|---|----------------------|------------|
| Spore Types  | 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 Total |
| Alternaria (Ulocladium)  | -  | -                    | -          | -  | -                    | -          | -   | -                    | -          |
| Ascospores   | 9  | 400                  | 12.5       | -  | -                    | -          | 1   | 40                   | 10.8       |
| Aspergillus/Penicillium  | 27   | 1200                 | 37.5       | 12   | 520                  | 32.3       | 2   | 90                   | 24.3       |
| Basidiospores  | 34   | 1500                 | 46.9       | 18   | 790                  | 49.1       | 5   | 200                  | 54.1       |
| Bipolaris++  | -  | -                    | -          | -  | -                    | -          | -   | -                    | -          |
| Chaetomium   | -  | -                    | -          | -  | -                    | -          | -   | -                    | -          |
| Cladosporium   | 2  | 90                   | 2.8        | 6  | 300                  | 18.6       | 1   | 40                   | 10.8       |
| Curvularia   | -  | -                    | -          | -  | -                    | -          | -   | -                    | -          |
| Epicoccum  | -  | -                    | -          | -  | -                    | -          | -   | -                    | -          |
| Fusarium   | -  | -                    | -          | -  | -                    | -          | -   | -                    | -          |
| Ganoderma  | -  | -                    | -          | -  | -                    | -          | -   | -                    | -          |
| Myxomycetes++  | -  | -                    | -          | -  | -                    | -          | -   | -                    | -          |
| Pithomyces++   | -  | -                    | -          | -  | -                    | -          | -   | -                    | -          |
| Rust   | -  | -                    | -          | -  | -                    | -          | -   | -                    | -          |
| Scopulariopsis/Microascus  | -  | -                    | -          | -  | -                    | -          | -   | -                    | -          |
| Stachybotrys/Memnoniella   | -  | -                    | -          | -  | -                    | -          | -   | -                    | -          |
| Unidentifiable Spores  | -  | -                    | -          | -  | -                    | -          | -   | -                    | -          |
| Zygomycetes  | -  | -                    | -          | -  | -                    | -          | -   | -                    | -          |
| Oidium   | -  | -                    | -          | -  | -                    | -          | -   | -                    | -          |
| Polythrincium  | 1*   | 10*                  | 0.3        | -  | -                    | -          | -   | -                    | -          |
| Total Fungi  | 73   | 3200                 | 100        | 36   | 1610                 | 100        | 9   | 370                  | 100        |
| Hyphal Fragment  | -  | -                    | -          | -  | -                    | -          | -   | -                    | -          |
| Insect Fragment  | -  | -                    | -          | -  | -                    | -          | -   | -                    | -          |
| Pollen   | 1  | 40                   | -          | -  | -                    | -          | -   | -                    | -          |
| Analyt. Sensitivity 600x   | -  | 44                   | -          | -  | 44                   | -          | -   | 44                   | -          |
| Analyt. Sensitivity 300x   | -  | 13*                  | -          | -  | 13*                  | -          | -   | 13*                  | -          |
| Skin Fragments (1-4)   | -  | 2                    | -          | -  | 1                    | -          | -   | 1                    | -          |
| Fibrous Particulate (1-4)  | -  | - 1                  | -          | -  | 1                    | -          | -   | 1                    | -          |
| Background (1-5)   | -  | 2                    | -          | -  | 2                    | -          | -   | 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 15:33:00

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



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

| Attn:   | Indika Jayatilake  | Phone:     | (301) 595-3783 |
|---------|--|------------|----------------|
|         | SaLUT  | Fax:       | (301) 595-3787 |
|         | 1818 New York Avenue, NE   | Collected: | 05/22/2019     |
|         | Suite 218A   | Received:  | 05/22/2019     |
|         | Washington, DC 20002   | Analyzed:  | 05/24/2019     |
| Duclost | DCCDS IAQ/10 025 Event Andrew @Motthew ES 7010 Spott Bood Landover | MD 20705   |                |

Project: PGCPS IAQ/19-035 Excel Academy @Matthew ES, 7910 Scott Road, Landover MD 20785

| Test Repo   | ort: Air-O-Cell(™ | ) Analysis of F                               | ungal Spores & | Particulates by | Optical Micros                                | copy (Methods I | MICRO-SOP-201                                 | , ASTM D7391)        |            |
|---|-------------------|---|----------------|-----------------|---|-----------------|---|----------------------|------------|
| Lab Sample Number:<br>Client Sample ID:<br>Volume (L):<br>Sample Location |                   | 061909872-0004<br>2839-4324<br>75<br>Room 112 | l              |                 | 061909872-0009<br>2839-4322<br>75<br>Room 113 | 5               | 061909872-0006<br>2839-4352<br>75<br>Room 118 |                      | 6          |
| Spore Types   | 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 Total |
| Alternaria (Ulocladium)   | -                 | -   | -              | -               | -   | -               | -   | -                    | -          |
| Ascospores  | 4                 | 200   | 19.2           | 7               | 300   | 18.8            | 10  | 440                  | 15.3       |
| Aspergillus/Penicillium   | 12                | 520   | 50             | 17              | 740   | 46.3            | 32  | 1400                 | 48.6       |
| Basidiospores   | 5                 | 200   | 19.2           | 12              | 520   | 32.5            | 22  | 960                  | 33.3       |
| Bipolaris++   | -                 | -   | -              | -               | -   | -               | 1   | 40                   | 1.4        |
| Chaetomium  | -                 | -   | -              | -               | -   | -               | -   | -                    | -          |
| Cladosporium  | -                 | -   | -              | 1               | 40  | 2.5             | -   | -                    | -          |
| Curvularia  | -                 | -   | -              | -               | -   | -               | -   | -                    | -          |
| Epicoccum   | -                 | -   | -              | -               | -   | -               | -   | -                    | -          |
| Fusarium  | -                 | -   | -              | -               | -   | -               | -   | -                    | -          |
| Ganoderma   | -                 | -   | -              | -               | -   | -               | -   | -                    | -          |
| Myxomycetes++   | 1                 | 40  | 3.8            | -               | -   | -               | -   | -                    | -          |
| Pithomyces++  | -                 | -   | -              | -               | -   | -               | -   | -                    | -          |
| Rust  | -                 | -   | -              | -               | -   | -               | 1   | 40                   | 1.4        |
| Scopulariopsis/Microascus   | -                 | -   | -              | -               | -   | -               | -   | -                    | -          |
| Stachybotrys/Memnoniella  | 1                 | 40  | 3.8            | -               | -   | -               | -   | -                    | -          |
| Unidentifiable Spores   | -                 | -   | -              | -               | -   | -               | -   | -                    | -          |
| Zygomycetes   | -                 | -   | -              | -               | -   | -               | -   | -                    | -          |
| Oidium  | 1                 | 40  | 3.8            | -               | -   | -               | -   | -                    | -          |
| Polythrincium   | -                 | -   | -              | -               | -   | -               | -   | -                    | -          |
| Total Fungi   | 24                | 1040  | 100            | 37              | 1600  | 100             | 66  | 2880                 | 100        |
| Hyphal Fragment   | 1                 | 40  | -              | -               | -   | -               | -   | -                    | -          |
| Insect Fragment   | -                 | -   | -              | -               | -   | -               | -   | -                    | -          |
| Pollen  | -                 | -   | -              | 3               | 100   | -               | -   | -                    | -          |
| Analyt. Sensitivity 600x  | -                 | 44  | -              | -               | 44  | -               | -   | 44                   | -          |
| Analyt. Sensitivity 300x  | -                 | 13*   | -              | -               | 13*   | -               | -   | 13*                  | -          |
| Skin Fragments (1-4)  | -                 | 2   | -              | -               | 2   | -               | -   | 2                    | -          |
| Fibrous Particulate (1-4)   | -                 | 1   | -              | -               | 2   | -               | -   | 1                    | -          |
| Background (1-5)  | -                 | 2   | -              | -               | 2   | -               | -   | 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 15:33:00

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



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

| Attn:     | Indika Jayatilake   | Phone:     | (301) 595-3783 |
|-----------|---|------------|----------------|
|           | SaLUT   | Fax:       | (301) 595-3787 |
|           | 1818 New York Avenue, NE  | Collected: | 05/22/2019     |
|           | Suite 218A  | Received:  | 05/22/2019     |
|           | Washington, DC 20002  | Analyzed:  | 05/24/2019     |
| Duele etc | DCCDC IAO/10 025 Event Andrew @Matthew EC. 7010 Cont Dood Landove |            |                |

Project: PGCPS IAQ/19-035 Excel Academy @Matthew ES, 7910 Scott Road, Landover MD 20785

| Test Report: Air-O-Cell(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391) |   |                      |            |   |                      |            |           |   |            |  |
|---|---|----------------------|------------|---|----------------------|------------|-----------|---|------------|--|
| Lab Sample Number:<br>Client Sample ID:<br>Volume (L):<br>Sample Location   | 061909872-0007<br>2839-4310<br>75<br>Room 121 |                      |            | 061909872-0008<br>2839-4348<br>75<br>Multi Purpose Room |                      |            |           | 061909872-0009<br>2839-4325<br>75<br>Outside Exterior EV Sample |            |  |
| Spore Types   | 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 Total |  |
| Alternaria (Ulocladium)   | - '   | -                    | -          | -   | -                    | -          | -         | -   | -          |  |
| Ascospores  | 5   | 200                  | 13.6       | 1   | 40                   | 11.8       | 20        | 870   | 16.4       |  |
| Aspergillus/Penicillium   | 19  | 830                  | 56.5       | 4   | 200                  | 58.8       | 27        | 1200  | 22.6       |  |
| Basidiospores   | 10  | 440                  | 29.9       | 3   | 100                  | 29.4       | 67        | 2900  | 54.7       |  |
| Bipolaris++   | -   | -                    | -          | -   | -                    | -          | -         | -   | -          |  |
| Chaetomium  | -   | -                    | -          | -   | -                    | -          | -         | -   | -          |  |
| Cladosporium  | -   | -                    | -          | -   | -                    | -          | 2         | 90  | 1.7        |  |
| Curvularia  | -   | -                    | -          | -   | -                    | -          | -         | -   | -          |  |
| Epicoccum   | -   | -                    | -          | -   | -                    | -          | -         | -   | -          |  |
| Fusarium  | -   | -                    | -          | -   | -                    | -          | -         | -   | -          |  |
| Ganoderma   | -   | -                    | -          | -   | -                    | -          | -         | -   | -          |  |
| Myxomycetes++   | -   | -                    | -          | -   | -                    | -          | 1         | 40  | 0.8        |  |
| Pithomyces++  | -   | -                    | -          | -   | -                    | -          | -         | -   | -          |  |
| Rust  | -   | -                    | -          | -   | -                    | -          | -         | -   | -          |  |
| Scopulariopsis/Microascus   | -   | -                    | -          | -   | -                    | -          | -         | -   | -          |  |
| Stachybotrys/Memnoniella  | -   | -                    | -          | -   | -                    | -          | -         | -   | -          |  |
| Unidentifiable Spores   | -   | -                    | -          | -   | -                    | -          | -         | -   | -          |  |
| Zygomycetes   | -   | -                    | -          | -   | -                    | -          | -         | -   | -          |  |
| Oidium  | -   | -                    | -          | -   | -                    | -          | 5         | 200   | 3.8        |  |
| Polythrincium   | -   | -                    | -          | -   | -                    | -          | -         | -   | -          |  |
| Total Fungi   | 34  | 1470                 | 100        | 8   | 340                  | 100        | 122       | 5300  | 100        |  |
| Hyphal Fragment   | -   | -                    | -          | -   | -                    | -          | -         | -   | -          |  |
| Insect Fragment   | -   | -                    | -          | -   | -                    | -          | -         | -   | -          |  |
| Pollen  | -   | -                    | -          | -   | -                    | -          | 6         | 300   | -          |  |
| 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                    | -          | -   | 2                    | -          | -         | 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 15:33:00

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

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

| Attn:    | Indika Jayatilake   | Phone:      | (301) 595-3783 |
|----------|---|-------------|----------------|
|          | SaLUT   | Fax:        | (301) 595-3787 |
|          | 1818 New York Avenue, NE  | Collected:  | 05/22/2019     |
|          | Suite 218A  | Received:   | 05/22/2019     |
|          | Washington, DC 20002  | Analyzed:   | 05/24/2019     |
| Project: | PGCPS IAQ/19-035 Excel Academy @Matthew ES, 7910 Scott Road, Landov | er MD 20785 |                |

| Lab Sample Number:<br>Client Sample ID:<br>Volume (L):<br>Sample Location | 061909872-0010<br>2839-4331<br>Field Blank |                      |            |   |   |   |   |   |   |
|---|--|----------------------|------------|---|---|---|---|---|---|
| Spore Types   | Raw Count                                  | Count/m <sup>3</sup> | % of Total | - |   | - | - | - | - |
| Alternaria (Ulocladium)   | -  | -                    | -          | - |   | - | - | - |   |
| Ascospores  | -  | -                    | -          |   |   | - |   |   |   |
| Aspergillus/Penicillium   | -  | -                    | -          |   |   | - |   |   |   |
| Basidiospores   | -  | -                    | -          |   |   | - |   |   |   |
| Bipolaris++   | -  | -                    | -          |   |   | - |   |   |   |
| Chaetomium  | -  | -                    | -          |   |   | - |   |   |   |
| Cladosporium  | -  | -                    | -          |   |   | - |   |   |   |
| Curvularia  | -  | -                    | -          |   |   | - |   |   |   |
| Epicoccum   | -  | -                    | -          |   |   | - |   |   |   |
| Fusarium  | -  | -                    | -          |   |   | - |   |   |   |
| Ganoderma   | -  | -                    | -          |   |   | - |   |   |   |
| Myxomycetes++   | -  | -                    | -          |   |   | - |   |   |   |
| Pithomyces++  | -  | -                    | -          |   |   | - |   |   |   |
| Rust  | -  | -                    | -          |   |   | - |   |   |   |
| Scopulariopsis/Microascus   | -  | -                    | -          |   |   | - |   |   |   |
| Stachybotrys/Memnoniella  | -  | -                    | -          |   |   | - |   |   |   |
| Unidentifiable Spores   | -  | -                    | -          |   |   | - |   |   |   |
| Zygomycetes   | -  | -                    | -          |   |   | - |   |   |   |
| Oidium  | -  | -                    | -          |   |   | - |   |   |   |
| Polythrincium   | -  | -                    | -          |   |   | - |   |   |   |
| Total Fungi   | -  | No Trace             | -          |   |   | - |   |   |   |
| Hyphal Fragment   | -  | -                    | -          |   |   | - |   |   |   |
| Insect Fragment   | -  | -                    | -          |   |   | - |   |   |   |
| Pollen  | -  | -                    | -          | - | - | - | - | - | - |
| Analyt. Sensitivity 600x  | -  | 0                    | -          | - |   | - | _ | - | - |
| Analyt. Sensitivity 300x  | -  | 0*                   | -          |   |   | - |   |   |   |
| Skin Fragments (1-4)  | -  | -                    | -          |   |   |   |   |   |   |
| Fibrous Particulate (1-4)   | -  | -                    | -          |   |   | - |   |   |   |
| Background (1-5)  | -  | -                    | -          |   |   |   |   |   |   |

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

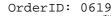
Jeffrey Lau, Microbiology Laboratory Manager or other approved signatory

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 othewise noted.

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

Initial report from: 05/26/2019 15:33:00

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





Microbiology Chain of Custody EMSL Order Number (Lab Use Only):

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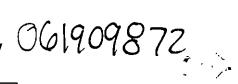
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| LABORATORY-PRODUCTS-TRAINING  |                          |  |                                    |   |                                    |  |  |                     |  |  |  |
|---|--------------------------|--|------------------------------------|---|------------------------------------|--|--|---------------------|--|--|--|
| Company Name: S   | aLUT Inc.                |  |                                    | EMSL-Bill to: Same Different  |                                    |  |  |                     |  |  |  |
| Street: 1818 New York Ave NE Suite 231  |                          |  |                                    | Third Party Billing requires written authorization from third party |                                    |  |  |                     |  |  |  |
| City: Washington  | s                        | itate/Province: DC                         |                                    | Zip/Postal Co   | de: 20002                          | Country: USA   |  |                     |  |  |  |
| Report To (Name):   | Indika Jayatilla         | ke   |                                    | Telephone #:  |                                    |  |  |                     |  |  |  |
| Email Address: <sup>ijay</sup>  | atillake@saluti          | nc.com                                     |                                    | Fax #:  |                                    |  | Purchase Ord                                     | der:                |  |  |  |
| Project Number/Loca   | tion: PGCPS (AQ/19-035 E | xcel Academy @Maithew Henson ES            |                                    | Please Provid   | le Results:                        | 🗌 Fax  | 🔳 Email  |                     |  |  |  |
|   |                          | d, Landover MD 207                         |                                    |   |                                    |  | Commercial 🔲                                     |                     |  |  |  |
|   |                          | EMSL's Terms and Co                        |                                    |   |                                    |  | ject to methodolo                                | gy requirements     |  |  |  |
|   |                          | Ifate Preserved Bott<br>amples: 🗌 Note: Al |                                    |   |                                    |  | required by etc                                  |                     |  |  |  |
|   | rater Supply S           |  | -                                  | ptions * - Pleas  | -                                  |  |  | ile.                |  |  |  |
| 🗌 3 Hour  | 🗌 6 Hour                 | 24 Hour                                    | 48 Hour                            | 72 Hour   |                                    | Hour   | 1 Week   | 2 Week              |  |  |  |
|   |                          |  | licrobiology                       |   |                                    | , nour   |  |                     |  |  |  |
| M001 Air-O-Cell   | M174 Mo                  |  | M024 Pseudor                       | nonas aeruginosa  | (MFT*)                             |  | ewage Screen - Water (P/A***)                    |                     |  |  |  |
| M030 Micro 5  | M032 Aile                | ergenco-D                                  |                                    | ophic Plate Count<br>Inform & E. coli (Co                           |                                    | M116 Sewage Screen - Water (MPN**)<br>M117 Sewage Screen - Swab (P/A***) |  |                     |  |  |  |
| M041 Fungal Direct Ex   |                          |  | P/A***)                            | ·   | M013 Sewage Screen -               |  |  | Swab (MFT*)         |  |  |  |
| M169 Pollen ID & Enui<br>M280 Dust Characteriz  |                          |  |                                    | oliform & E. coli (M<br>Aliform & E. coli En                        |                                    | M133 Methicillin-resistant Staph, aureus<br>(MRSA)                       |  |                     |  |  |  |
| M281 Dust Characteriz   |                          |  | (Colilert MPN*                     |   |                                    | M031 Rapi  | oid-growing non-TB Mycobacteria<br>& Enumeration |                     |  |  |  |
| M005 Viable Fungi- Air<br>M006 Viable Fungi- Air  |                          |  | M019 Fecal C<br>M020 Fecal Si      | reptococcus (MFT  | ·*)                                |  | otoxin Analysis                                  |                     |  |  |  |
| Aspergillus, Cladospor  | ium, Stachybotry         | s Species ID & Count)                      | M029 Enteroc                       | occi (MFT*)<br>occi (Enterolert P//                                 | ۵***)                              | M044 Grou<br>Dust Mite)  | up Allergen (Cat, I                              | og, Cockroach,      |  |  |  |
| M007 Culturable fungi<br>M008 Culturable fungi  |                          |  | M180 Real Tin                      | ne qPCR-ERMI 36   | 6 Other See Analytical Price Guide |  |  |                     |  |  |  |
| Penicillium, Aspergillus  |                          |  | Panel<br>M025 Sewage               | Screen –Water (N  | a Analysis Please<br>COC           | use EMSL   |  |                     |  |  |  |
| ID & Count)<br>M009 Bacteria Culture  | Gram Stain & Co          | ount                                       |                                    |   |                                    |  |  |                     |  |  |  |
| M010 Bacteria Count &<br>M011 Bacteria Count &  |                          |  |                                    | *MFT= Membrane Filtration Technique<br>**MPN= Most Probable Number  |                                    |  |  |                     |  |  |  |
| M012 Pseudomonas a  |                          |  | ***P/A= Prese                      | P/A= Presence/Absence   |                                    |  |  |                     |  |  |  |
| Name of Sampler:  |                          |  |                                    | Signature of S  | Sampler:                           |  |  |                     |  |  |  |
| {   |                          |  | Sample                             | Potable/<br>NonPotable Test   |                                    | Volume/  | Date/Time  | Temperature<br>('C) |  |  |  |
| Sample #  | Sample Loc               | ation/Description                          | Туре                               | (only for   | Code                               | Area   | Collected  | (Lab Úse            |  |  |  |
|   |                          |  |                                    | waters)   |                                    |  | l ,  | Only)               |  |  |  |
| 0000 4007   |                          | 400.400                                    |                                    |   |                                    |  |  |                     |  |  |  |
| 2839 - 4307   |                          | m 102-103                                  | Air                                |   | M001()                             |  | 5/22/2019  |                     |  |  |  |
| 2839 - 4309   |                          | n 105 - 108                                | Air                                |   | M001                               | 75L  | 5/22/2019  | <b>_</b>            |  |  |  |
| 2839 - 4326   |                          | 200m 110                                   | Air                                |   | M001                               | 75L  | 5/22/2019  |                     |  |  |  |
| 2839 - 4324<br>2839 - 4322  |                          | bom 112                                    | Air                                |   | M001                               | 75L  | 5/22/2019  |                     |  |  |  |
| 2839 - 4352   |                          | oom 113<br>oom 118                         | Air                                |   | M001                               | 75L  | 5/22/2019  | -                   |  |  |  |
| 2039 - 4332   |                          |  | Air                                | LP LNP  | M001                               | 75L  | 5/22/2019  | <u> </u>            |  |  |  |
| Client Sample # (s)   | otal # of Sam            | · · · ·                                    | Samples Received Chilled? Yes / No |   |                                    |  |  |                     |  |  |  |
| Relinquished (Clier   | C Dat                    | 5 Date: 5/22 19 Time:                      |                                    |   | himan                              | >  |  |                     |  |  |  |
| Received (Lab): Thomas 1 alken Date: 5/22/19 Time: 1410-  |                          |  |                                    |   |                                    |  |  |                     |  |  |  |
| Comments/Special Instructions:  |                          |  |                                    |   |                                    |  |  |                     |  |  |  |
|   |                          |  |                                    |   |                                    |  |  |                     |  |  |  |
|   |                          |  |                                    | -   |                                    |  |  | •                   |  |  |  |
| IT do   |                          |  | Page <u>1</u> of                   |   |                                    |  |  |                     |  |  |  |
| Topholied Document - CC   | 1                        | /2017                                      | J                                  | (   | Lar                                | n sk   | 511/19 (U  | 1) 9:38AM           |  |  |  |
| Jat S/24/19         Page 1 or           Controlled Document - COC-34 Micro R7.2 8/23/2017         Page 1 or |                          |  |                                    |   |                                    |  |  |                     |  |  |  |



# Microbiology Chain of Custody EMSL Order Number (Lab Use Only):

1.



PHONE: FAX:

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

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| Sample #    | Sample Location/Description | Sample<br>Type | Potable/<br>NonPotable | Test<br>Code | Volume/<br>Area | Date/Time<br>Collected | Temperature<br>(°C)<br>(Lab Use Only) |
|-------------|-----------------------------|----------------|------------------------|--------------|-----------------|------------------------|---------------------------------------|
| 2839 - 4310 | Room 121                    | Air            | □ P □NP                | M001         | 75L             | 5/22/2019              |                                       |
| 2839 - 4348 | Multi Purpose Room          | Air            |                        | M001         | 75L             | 5/22/2019              |                                       |
| 2839 -4325  | Outside Exterior EV Sample  | Air            | P NP                   | M001         | 75L             | 5/22/2019              |                                       |
| 2839 - 4331 | Field Blank                 | Air            |                        | N/A          | N/A             | 5/22/2019              |                                       |
|             |                             |                |                        |              |                 |                        |                                       |
|             |                             |                |                        |              |                 | ·                      | •                                     |
|             |                             |                |                        |              |                 |                        |                                       |
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|             |                             |                |                        |              |                 |                        |                                       |
|             |                             |                |                        |              |                 |                        |                                       |
|             |                             |                |                        |              |                 |                        |                                       |
|             |                             |                |                        |              |                 |                        |                                       |
|             |                             |                |                        |              |                 |                        |                                       |
|             |                             |                |                        |              |                 |                        |                                       |
|             |                             |                |                        |              |                 |                        | ···                                   |
|             |                             |                | □ P □NP                |              |                 |                        |                                       |
|             |                             |                |                        |              |                 |                        |                                       |
|             |                             |                | □ P □NP                |              |                 |                        |                                       |
|             |                             |                | □ P □NP                |              |                 |                        |                                       |
| Comments/   | Special Instructions:       |                | □ P □NP                |              |                 |                        |                                       |
|             |                             |                |                        |              |                 |                        |                                       |

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