

January 2, 2021

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

Attention: Alex Baylor
alex.baylor@pgcps.org

Subject: Indoor Air Quality Survey
Judith Hoyer Montessori
929 Hill Road
Landover, MD 20785

Mr. Baylor:

On December 1, 2020, a Soil and Land Use Technology, Inc. (SaLUT) Industrial Hygienist conducted an indoor air quality (IAQ) evaluation at Judith Hoyer Montessori, a property maintained by Prince George's County Public Schools (PGCPS) located at 929 Hill 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.

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 Judith Hoyer Montessori, visited on December 1, 2020.

Table 1-Observations

| Location | Summary of Observations 12-1-2020 |
|---------------------------------|---|
| Hallway next to Classroom 12 | 2'x4' ceiling tiles; No visual signs of microbial growth, and no odor; No visible dust on floor/other furniture surfaces; No visible dust around ventilator; Central AC. |
| Hallway next to Classroom 13 | 2'x4' ceiling tiles; No visual signs of microbial growth, and no odor; No visible dust on floor/other furniture surfaces; No visible dust around ventilator; Central AC. |
| Hallway next to Classroom 20 | 2'x4' ceiling tiles; No visual signs of microbial growth; Mild odor; Stained ceiling tiles; No visible dust on floor/other furniture surfaces; No visible dust around ventilator; Central AC. |
| Cafeteria | 2'x4' ceiling tiles; No visual signs of microbial growth, and no odor; No visible dust on floor/other furniture surfaces; No visible dust around ventilator; Central AC. |
| Hallway next to Kindergarten #1 | 2'x4' ceiling tiles; No visual signs of microbial growth, and no odor; No visible dust on floor/other furniture surfaces; No visible dust around ventilator; Central AC. |
| Outside Exterior EV Sample | Windy |

Measurements of Indoor Environmental Quality Parameters

Table 2 depicts a summary of average measurements of comfort.

Temperature

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

Relative Humidity (RH)

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

Carbon Dioxide (CO₂)

Under conditions of maximum occupancy, ASHRAE Standard 62.1-2010, Appendix C, infers that the acceptable CO₂ upper limit is the prevailing outdoor CO₂ concentration plus 700 parts per million (ppm). On the day of the space evaluation, the outdoor (building exterior) CO₂ concentration was approximately 445 ppm therefore indoor concentrations should not exceed approximately 1,145 ppm (700 + 445). The maximum average interior CO₂ concentration detected was 487 ppm in the Cafeteria, a range within the ASHRAE recommendations, per Table 2 below.

Carbon Monoxide (CO)

CO is a colorless and odorless gas that is produced by the incomplete combustion of carbon containing fuels. Oil, gasoline, diesel fuels, wood, coke, and coal are major sources of CO. All registered CO concentrations were below the EPA National Ambient Air Quality Standard (NAAQS) of 9 ppm, per Table 2 below.

**Table 2: Judith Hoyer Montessori, Instrumental Screening Levels
December 1, 2020 (7:30 AM-9:30 AM)**

| Sample Location | Temp °F | RH% | CO ppm | CO ₂ ppm |
|---------------------------------|-----------------------|----------------|------------|------------------------|
| Standards | ASHRAE 68 to 75°F* | ASHRAE <65% | NAAQS 9 | ASHRAE 1,145 |
| Hallway next to Classroom 12 | 62.5 | 43.9 | 0 | 463 |
| Hallway next to Classroom 13 | 62.6 | 43.8 | 0 | 458 |
| Hallway next to Classroom 20 | 59.0 | 48.4 | 0 | 456 |
| Cafeteria | 68.9 | 37.0 | 0 | 487 |
| Hallway next to Kindergarten #1 | 67.1 | 32.2 | 0 | 473 |
| Outside Exterior EV Sample | 57.2 | 30.1 | 0 | 445 |

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

µg/m³ - micrograms per cubic meter
RH% - % Relative Humidity
CO₂ - Carbon Dioxide
* - Winter Comfort Range

Mold-in-Air Samples

There are no definitive regulations or standardized guidelines for addressing airborne mold in an indoor setting. If building systems (ventilation, envelope) are functioning properly, the indoor population profile should mimic what is encountered outdoors and the concentrations should be below the outdoor (building exterior) environmental sample levels.

Table 3 summarizes airborne mold spore sampling results and locations. On December 1, 2020, total mold counts in representative samples (spore count/m³ of air) in all the areas inspected were lower than the outdoor concentrations. Laboratory analysis follows this report (see attachment).

**Table 3: Judith Hoyer Montessori - Measurements of Mold-in-Air Samples
December 1, 2020 (7:30 AM-9:30 AM)**

| Spore Types | Hallway next to Classroom 12 | Hallway next to Classroom 13 | Hallway next to Classroom 20 | Cafeteria |
|----------------------------------|------------------------------|------------------------------|------------------------------|-----------|
| <i>Alternaria (Ulocladium)</i> | - | - | - | - |
| <i>Ascospores</i> | - | - | - | - |
| <i>Aspergillus/Penicillium</i> | 100 | 100 | - | - |
| <i>Basidiospores</i> | 100 | 40 | 40 | 80 |
| <i>Bipolaris++</i> | - | - | - | - |
| <i>Chaetomium</i> | - | - | - | - |
| <i>Cladosporium</i> | 10* | - | 100 | - |
| <i>Curvularia</i> | - | - | - | - |
| <i>Epicoccum</i> | - | - | - | - |
| <i>Fusarium</i> | - | - | - | - |
| <i>Ganoderma</i> | - | - | - | - |
| <i>Myxomycetes++</i> | - | - | 10* | 10* |
| <i>Pithomyces++</i> | - | - | - | - |
| <i>Rust</i> | - | - | - | - |
| <i>Scopulariopsis/Microascus</i> | - | - | - | - |
| <i>Stachybotrys/Memnoniella</i> | - | - | - | - |
| <i>Unidentifiable Spores</i> | - | - | - | - |
| <i>Zygomycetes</i> | - | - | - | - |
| <i>Nigrospora</i> | - | - | - | - |
| <i>Hyphal Fragment</i> | - | - | 40 | - |
| <i>Insect Fragment</i> | - | - | - | - |
| <i>Pollen</i> | - | - | 10* | - |
| Total Fungi | 210 | 150 | 150 | 90 |

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

++Includes other spores with similar morphology.

**Table 3: Judith Hoyer Montessori - Measurements of Mold-in-Air Samples continued
December 1, 2020 (7:30 AM-9:30 AM)**

| Spore Types | Hallway next to Kindergarten #1 | Outside Exterior EV Sample | Field Blank |
|----------------------------------|---------------------------------|----------------------------|-----------------|
| <i>Alternaria (Ulocladium)</i> | - | 10* | - |
| <i>Ascospores</i> | 40 | 40 | - |
| <i>Aspergillus/Penicillium</i> | - | - | - |
| <i>Basidiospores</i> | 80 | 840 | - |
| <i>Bipolaris++</i> | - | - | - |
| <i>Chaetomium</i> | - | - | - |
| <i>Cladosporium</i> | - | 3,500 | - |
| <i>Curoularia</i> | - | - | - |
| <i>Epicoccum</i> | 10* | - | - |
| <i>Fusarium</i> | - | - | - |
| <i>Ganoderma</i> | - | - | - |
| <i>Myxomycetes++</i> | - | 40 | - |
| <i>Pithomyces++</i> | - | - | - |
| <i>Rust</i> | 100 | - | - |
| <i>Scopulariopsis/Microascus</i> | - | - | - |
| <i>Stachybotrys/Memnoniella</i> | - | - | - |
| <i>Unidentifiable Spores</i> | - | - | - |
| <i>Zygomycetes</i> | - | - | - |
| <i>Nigrospora</i> | - | - | - |
| <i>Hyphal Fragment</i> | - | 40 | - |
| <i>Insect Fragment</i> | 40 | - | - |
| <i>Pollen</i> | - | - | - |
| Total Fungi | 230 | 4,470 | No Trace |

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

++Includes other spores with similar morphology.

Findings and Conclusions

The comfort parameters (i.e., temperature, RH, CO₂, and CO levels) in the representative areas conform to ASHRAE and/or NAAQS guidelines with the exception of the temperature. On December 1, 2020, total mold counts in representative area samples (spore count/m³ of air) in all the areas inspected were lower than the outdoor concentrations, indicating no amplified mold growth.

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

Sincerely,


Chaminda Jayatilake, PE, CIH, CSP, CHMM
Certified Industrial Hygienist
Soil and Land Use Technology Inc. (SaLUT)

Attachment

Attachment - Mold Spore Sample Analytical Results and Chain-of-Custody Forms

Attachment

Mold Spore Sample Analytical Results and Chain-of-Custody Forms



EMSL Analytical, Inc.

5221 Militia Hill Road Plymouth Meeting, PA 19462
Tel/Fax: (610) 828-3102 / (610) 828-3122
<http://www.EMSL.com> / plymouthmeetinglab@emsl.com

EMSL Order: 182003839
Customer ID: SALU50
Customer PO:
Project ID:

Attention: Indika Jayatilake
SaLUT
1818 New York Avenue, NE
Suite 231
Washington, DC 20002
Project: 19-035 - Judith Hoyer Montessori

Phone: (301) 595-3783
Fax: (301) 595-3787
Collected Date: 12/01/2020
Received Date: 12/01/2020 02:39 PM
Analyzed Date: 12/03/2020

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

| Lab Sample Number: Client Sample ID: Volume (L): Sample Location: | 182003839-0001 S1 75 H/W Next To CR 20 | | | 182003839-0002 S2 75 H/W Next To CR 13 | | | 182003839-0003 S3 75 H/W Next To CR 12 | | | |
|--|---|------------|------------|---|------------|------------|---|------------|------------|------------|
| | Spore Types | Raw Count | Count/M³ | % of Total | Raw Count | Count/M³ | % of Total | Raw Count | Count/M³ | % of Total |
| Alternaria (Ulocladium) | - | - | - | - | - | - | - | - | - | - |
| Ascospores | - | - | - | - | - | - | - | - | - | - |
| Aspergillus/Penicillium | - | - | - | 3 | 100 | 66.7 | 3 | 100 | 47.6 | 47.6 |
| Basidiospores | 1 | 40 | 26.7 | 1 | 40 | 26.7 | 3 | 100 | 47.6 | 47.6 |
| Bipolaris++ | - | - | - | - | - | - | - | - | - | - |
| Chaetomium | - | - | - | - | - | - | - | - | - | - |
| Cladosporium | 3 | 100 | 66.7 | - | - | - | 1* | 10* | 4.8 | 4.8 |
| Curvularia | - | - | - | - | - | - | - | - | - | - |
| Epicoccum | - | - | - | - | - | - | - | - | - | - |
| Fusarium | - | - | - | - | - | - | - | - | - | - |
| Ganoderma | - | - | - | - | - | - | - | - | - | - |
| Myxomycetes++ | 1* | 10* | 6.7 | - | - | - | - | - | - | - |
| Pithomyces++ | - | - | - | - | - | - | - | - | - | - |
| Rust | - | - | - | - | - | - | - | - | - | - |
| Scopulariopsis/Microascus | - | - | - | - | - | - | - | - | - | - |
| Stachybotrys/Memnoniella | - | - | - | - | - | - | - | - | - | - |
| Unidentifiable Spores | - | - | - | - | - | - | - | - | - | - |
| Zygomycetes | - | - | - | - | - | - | - | - | - | - |
| Polythrincium | - | - | - | 1* | 10* | 6.7 | - | - | - | - |
| Torula-like | - | - | - | - | - | - | - | - | - | - |
| Total Fungi | 5 | 150 | 100 | 5 | 150 | 100 | 7 | 210 | 100 | 100 |
| Hyphal Fragment | 1 | 40 | - | - | - | - | - | - | - | - |
| Insect Fragment | - | - | - | - | - | - | - | - | - | - |
| Pollen | 1* | 10* | - | - | - | - | - | - | - | - |
| Analyt. Sensitivity 600x | - | 42 | - | - | 42 | - | - | 42 | - | - |
| Analyt. Sensitivity 300x | - | 13* | - | - | 13* | - | - | 13* | - | - |
| Skin Fragments (1-4) | - | 2 | - | - | 2 | - | - | 2 | - | - |
| Fibrous Particulate (1-4) | - | 1 | - | - | 1 | - | - | 1 | - | - |
| Background (1-5) | - | 1 | - | - | 1 | - | - | 1 | - | - |

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

Kevin Ream, Laboratory Manager
or other Approved Signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. High levels of background particulate can obscure spores and other particulates, leading to underestimation. Background levels of 5 indicate an overloading of background particulates, prohibiting accurate detection and quantification. Present = Spores detected on overloaded samples. Results are not blank corrected unless otherwise noted. The detection limit is equal to one fungal spore, structure, pollen, fiber particle or insect fragment. "*" Denotes particles found at 300X. "-" Denotes not detected. Due to method stopping rules, raw counts in excess of 100 are extrapolated based on the percentage analyzed.
Samples analyzed by EMSL Analytical, Inc. Plymouth Meeting, PA AIHA-LAP, LLC-EMLAP Accredited #178659

Initial report from: 12/04/2020 10:23 AM

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



EMSL Analytical, Inc.

5221 Militia Hill Road Plymouth Meeting, PA 19462
Tel/Fax: (610) 828-3102 / (610) 828-3122
<http://www.EMSL.com> / plymouthmeetinglab@emsl.com

EMSL Order: 182003839
Customer ID: SALU50
Customer PO:
Project ID:

Attention: Indika Jayatilake
SaLUT
1818 New York Avenue, NE
Suite 231
Washington, DC 20002
Project: 19-035 - Judith Hoyer Montessori

Phone: (301) 595-3783
Fax: (301) 595-3787
Collected Date: 12/01/2020
Received Date: 12/01/2020 02:39 PM
Analyzed Date: 12/03/2020

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

| Lab Sample Number: Client Sample ID: Volume (L): Sample Location: | 182003839-0004 | | | 182003839-0005 | | | 182003839-0006 | | |
|--|----------------|-----------|------------|-----------------------------|------------|------------|----------------|-------------|------------|
| | S4 | S5 | S6 | H/W Next To Kindergarten #1 | | | Outside | | |
| Spore Types | Raw Count | Count/M³ | % of Total | Raw Count | Count/M³ | % of Total | Raw Count | Count/M³ | % of Total |
| Alternaria (Ulocladium) | - | - | - | - | - | - | 1* | 10* | 0.2 |
| Ascospores | - | - | - | 1 | 40 | 17.4 | 1 | 40 | 0.9 |
| Aspergillus/Penicillium | - | - | - | - | - | - | - | - | - |
| Basidiospores | 2 | 80 | 88.9 | 2 | 80 | 34.8 | 20 | 840 | 18.8 |
| Bipolaris++ | - | - | - | - | - | - | - | - | - |
| Chaetomium | - | - | - | - | - | - | - | - | - |
| Cladosporium | - | - | - | - | - | - | 83 | 3500 | 78.3 |
| Curvularia | - | - | - | - | - | - | - | - | - |
| Epicoccum | - | - | - | 1* | 10* | 4.3 | - | - | - |
| Fusarium | - | - | - | - | - | - | - | - | - |
| Ganoderma | - | - | - | - | - | - | - | - | - |
| Myxomycetes++ | 1* | 10* | 11.1 | - | - | - | 1 | 40 | 0.9 |
| Pithomyces++ | - | - | - | - | - | - | - | - | - |
| Rust | - | - | - | 3 | 100 | 43.5 | - | - | - |
| Scopulariopsis/Microascus | - | - | - | - | - | - | - | - | - |
| Stachybotrys/Memnoniella | - | - | - | - | - | - | - | - | - |
| Unidentifiable Spores | - | - | - | - | - | - | - | - | - |
| Zygomycetes | - | - | - | - | - | - | - | - | - |
| Polythrincium | - | - | - | - | - | - | - | - | - |
| Torula-like | - | - | - | - | - | - | 1 | 40 | 0.9 |
| Total Fungi | 3 | 90 | 100 | 7 | 230 | 100 | 107 | 4470 | 100 |
| Hyphal Fragment | - | - | - | - | - | - | 1 | 40 | - |
| Insect Fragment | - | - | - | 1 | 40 | - | - | - | - |
| Pollen | - | - | - | - | - | - | - | - | - |
| Analyt. Sensitivity 600x | - | 42 | - | - | 42 | - | - | 42 | - |
| Analyt. Sensitivity 300x | - | 13* | - | - | 13* | - | - | 13* | - |
| Skin Fragments (1-4) | - | 2 | - | - | 1 | - | - | 1 | - |
| Fibrous Particulate (1-4) | - | 1 | - | - | 1 | - | - | 1 | - |
| Background (1-5) | - | 1 | - | - | 1 | - | - | 1 | - |

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

Kevin Ream, Laboratory Manager
or other Approved Signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. High levels of background particulate can obscure spores and other particulates, leading to underestimation. Background levels of 5 indicate an overloading of background particulates, prohibiting accurate detection and quantification. Present = Spores detected on overloaded samples. Results are not blank corrected unless otherwise noted. The detection limit is equal to one fungal spore, structure, pollen, fiber particle or insect fragment. "*" Denotes particles found at 300X. "-" Denotes not detected. Due to method stopping rules, raw counts in excess of 100 are extrapolated based on the percentage analyzed.
Samples analyzed by EMSL Analytical, Inc. Plymouth Meeting, PA AIHA-LAP, LLC-EMLAP Accredited #178659

Initial report from: 12/04/2020 10:23 AM

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



EMSL Analytical, Inc.

5221 Militia Hill Road Plymouth Meeting, PA 19462
Tel/Fax: (610) 828-3102 / (610) 828-3122
<http://www.EMSL.com> / plymouthmeetinglab@emsl.com

EMSL Order: 182003839
Customer ID: SALU50
Customer PO:
Project ID:

Attention: Indika Jayatilake
SaLUT
1818 New York Avenue, NE
Suite 231
Washington, DC 20002
Project: 19-035 - Judith Hoyer Montessori

Phone: (301) 595-3783
Fax: (301) 595-3787
Collected Date: 12/01/2020
Received Date: 12/01/2020 02:39 PM
Analyzed Date: 12/03/2020

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

| | | | |
|---------------------------|------------------|-----------------|-------------------|
| Lab Sample Number: | 182003839-0007 | | |
| Client Sample ID: | S7 | | |
| Volume (L): | | | |
| Sample Location: | F/B | | |
| Spore Types | Raw Count | Count/M³ | % 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 | - | - | - |
| Polythrincium | - | - | - |
| Torula-like | - | - | - |
| 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.

Kevin Ream, Laboratory Manager
or other Approved Signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. High levels of background particulate can obscure spores and other particulates, leading to underestimation. Background levels of 5 indicate an overloading of background particulates, prohibiting accurate detection and quantification. Present = Spores detected on overloaded samples. Results are not blank corrected unless otherwise noted. The detection limit is equal to one fungal spore, structure, pollen, fiber particle or insect fragment. "*" Denotes particles found at 300X. "-" Denotes not detected. Due to method stopping rules, raw counts in excess of 100 are extrapolated based on the percentage analyzed.
Samples analyzed by EMSL Analytical, Inc. Plymouth Meeting, PA AIHA-LAP, LLC-EMLAP Accredited #178659

Initial report from: 12/04/2020 10:23 AM

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):

EMSL ANALYTICAL, INC.
 200 ROUTE 130 NORTH
 CINNAMINSON, NJ 08077
 PHONE: (800) 220-3675
 FAX: (856) 786-0262

EMSL ANALYTICAL, INC.
 LABORATORY - PRECISION - INTEGRITY

| | | | |
|--|----------------------------------|--|---|
| Company Name: Salut Inc | | EMSL-Bill to: <input type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments | |
| Street: 1818 New York Ave NE Suite 231 | | Third Party Billing requires written authorization from third party | |
| City: Washington | State/Province: DC | Zip/Postal Code: | Country: |
| Report To (Name): <i>Indika Jayatilake</i> | | Telephone #: | |
| Email Address: <i>ijayatilake@salutinc.com</i> | | Fax #: | Purchase Order: |
| Project Name/Number: <i>19-035 - Judith Hoyer Monticcom</i> | | Please Provide Results: <input type="checkbox"/> Fax <input type="checkbox"/> Email | |
| U.S. State Samples Taken: <i>MD</i> | | Project Zip Code: <i>20785</i> | Connecticut Samples: <input type="checkbox"/> Commercial <input type="checkbox"/> Residential |
| Sterile, Sodium Thiosulfate Preserved Bottle Used: <input type="checkbox"/> Biocide Used in Source (specify): <input type="checkbox"/> | | | |
| Public Water Supply Samples: <input type="checkbox"/> Note: All results may automatically be reported to DOH if required by state. | | | |
| Turnaround Time (TAT) Options - Please Check | | | |
| <input type="checkbox"/> 3 Hour | <input type="checkbox"/> 6 Hour | <input type="checkbox"/> 24 Hour | <input checked="" type="checkbox"/> 48 Hour |
| <input type="checkbox"/> 72 Hour | <input type="checkbox"/> 96 Hour | <input type="checkbox"/> 1 Week | <input type="checkbox"/> 2 Week |

| Microbiology Test Codes | | | |
|--|-------------------|--|--|
| M001 Air-O-Cell | M174 MoldSnap | M012 Pseudomonas aeruginosa (P/A***) | M115 Sewage Screen - Water (P/A***) |
| M030 Micro 5 | M032 Allergenco-D | M024 Pseudomonas aeruginosa (MFT*) | M116 Sewage Screen - Water (MPN**) |
| M041 Fungal Direct Examination | | M015 Heterotrophic Plate Count | M117 Sewage Screen - Swab (P/A***) |
| M169 Pollen ID & Enumeration | | M017 Total Coliform & E. coli (Colilert P/A***) | M013 Sewage Screen - Swab (MFT*) |
| M280 Dust Characterization Level-1 | | M018 Total Coliform & E. coli (MFT*) | M133 Methicillin-resistant Staph. aureus (MRSA) |
| M281 Dust Characterization Level-2 | | M114 Total Coliform & E. coli Enumeration (Colilert MPN**) | M031 Rapid-growing non-TB Mycobacteria Detection & Enumeration |
| M005 Viable Fungi- Air Samples (Genus ID & Count) | | M019 Fecal Coliform (MFT*) | M014 Endotoxin Analysis |
| M006 Viable Fungi- Air Samples (Includes Penicillium, Aspergillus, Cladosporium, Stachybotrys Species ID & Count) | | M020 Fecal Streptococcus (MFT*) | M044 Group Allergen (Cat, Dog, Cockroach, Dust Mite) |
| M007 Culturable fungi - Surface Samples (Genus ID & Count) | | M029 Enterococci (MFT*) | Other See Analytical Price Guide |
| M008 Culturable fungi - Surface Samples (Includes Penicillium, Aspergillus, Cladosporium, Stachybotrys Species ID & Count) | | M129 Enterococci (Enterolert P/A***) | Legionella Analysis Please use EMSL Legionella COC |
| M009 Bacteria Culture Gram Stain & Count | | M180 Real Time qPCR-ERMI 36 Panel | |
| M010 Bacteria Count & ID - 3 Most Prominent | | M025 Sewage Screen -Water (MFT*) | |
| M011 Bacteria Count & ID - 5 Most Prominent | | | |

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

Name of Sampler: *Anton Adikari* Signature of Sampler: *[Signature]*

| Sample # | Sample Location/Description | Sample Type | Potable/NonPotable (Only for Waters) | Test Code | Volume/Area | Date/Time Collected |
|----------|-----------------------------|-------------|--|-----------|-------------|---------------------|
| S1 | H/w next to CR # 20 | Air | <input type="checkbox"/> P <input type="checkbox"/> NP | M054 | 75 ml | 2020/12/1 |
| S2 | H/w next to CR 13 | " | <input type="checkbox"/> P <input type="checkbox"/> NP | " | " | " |
| S3 | H/w in front of CR 12 | " | <input type="checkbox"/> P <input type="checkbox"/> NP | " | " | " |
| S4 | Cafeteria | " | <input type="checkbox"/> P <input type="checkbox"/> NP | " | " | " |
| S5 | H/w next to Kindergarten #1 | " | <input type="checkbox"/> P <input type="checkbox"/> NP | " | " | " |

Client Sample # (s): - Total # of Samples: *07*

Relinquished (Client): *[Signature]* Date: Time: *12:39*

Received (Lab): *[Signature]* Date: Time: *12:39*

Comments/Special Instructions:

RECEIVED
 EMSL ANALYTICAL, INC.
 BELTSVILLE, MD
 2020 DEC - 1 12:39

EMSL Analytical, Inc.'s Laboratory Terms and Conditions are incorporated into this chain of custody by reference in their entirety. Submission of samples to EMSL Analytical, Inc. constitutes acceptance and acknowledgment of all terms and conditions by Customer.



EMSL Analytical, Inc.

Sample Transfer Form

| | | | |
|--|----------------------------------|---------------------------------|---|
| Receiving Lab: | EMSL-BELLEVILLE | Phone Number: | 3019375700 |
| | | Fax Number: | 3019375701 |
| Relinquished to: | EMSL - Plymouth, MA | Phone Number: | 8002203675 |
| | | Fax Number: | 8567860262 |
| Does new lab hold equivalent or additional accreditation? * | | | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| EMSL Customer ID # (if known): | SALU50 | | |
| Client Name: | SALUT INC | | |
| Client Project: | 19-035 - JUDITH HOYER MONTESSORI | | |
| Tests to be Performed: | M001 | | |
| Date Received: | 12/1/20 | | |
| Date Relinquished: | 12/2/20 | | |
| Date Due: | 3 DAYS - 12/4/20 @ 2:39 PM | | |
| Special Instructions: (e.g. Work Order # , required qualifications, project specific procedures/modifications) | | | |
| Relinquished by (Signature): | Date: | Received by (Signature): | Date: |
| <i>[Signature]</i> | 12/2/20 | <i>[Signature]</i> | 12-3-20 |
| Relinquished by (Signature): | Date: | Received by (Signature): | Date: |
| | | | |
| Customer Agreement - Please sign form and send to the receiving laboratory. By signing below, you agree to permit the above named receiving lab to transfer samples to a separate EMSL lab with equivalent qualifications* for analysis. The final report will be issued from the analyzing laboratory. Ensure any requirements are listed in special instructions. | | | |
| Name (please print): | Signature: | Agent of: | Date: |
| | | | |
| <i>If this is a recurring project or sample type that may require samples to be relinquished on a regular basis, a Standing Agreement form must be completed.</i> | | | |

* Receiving and analyzing labs shall be aware of required qualifications of project prior to transfer of samples.
 Note: If customer has been notified and approved this transfer verbally or by e-mail, the receiving lab must sign for the customer above. EMSL employee filling out form on behalf of customer shall print name of person to whom they spoke, date agreement was received, and then sign under Signature.