Soil and Land Use Technology, Inc.
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www.salutinc.com

March 5, 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
Frances Fuchs ECCC
11011 Cherry Hill Road
Beltsville, MD 20705

Mr. Baylor:

On November 30, 2020 and February 28, 2021 a Soil and Land Use Technology, Inc. (SaLUT) Industrial Hygienist conducted an indoor air quality (IAQ) evaluation at Frances Fuchs ECCC, a property maintained by Prince George's County Public Schools (PGCPS) located at 11011 Cherry Hill Road, Beltsville, MD 20705. The inspection was performed in accordance with PGCPS contract number IFB 022-19.

Corrective Measures Implemented by PGPCS

On February 28, 2021, as part of this assessment, SaLUT conducted the IAQ evaluation, including IAQ instrumentation screening, and observations in affected areas. Prior to this assessment, in response to an initial assessment, PGPCS implemented the following corrective measures in the Hallway next to Classroom 20:

1. Identify and clearly assess the affected area;
2. Remove and replace moldy and stained ceiling tiles;
3. Thorough cleanup throughout the affected areas;
4. Operate air scrubbers with HEPA filters in the impacted areas;
5. Monitor and evaluate clean-up operation to determine effectiveness.

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 Frances Fuchs ECCC, visited on November 30, 2020 and February 28, 2021, respectively.

Table 1.1-Observations

Location	Summary of Observations 11-30-2020
Cafeteria	2'x4' ceiling tiles and 1'x1' tile floor; No visual signs of microbial growth, and no odor; One stained ceiling tile; Roof and pipe leaks were repaired; No visible dust on floor/other furniture surfaces; Unit ventilator system.
Hallway next to Janitor room	2'x4' ceiling tiles and 9"x9" tile floor; No visual signs of microbial growth; Mild odor; No visible dust on floor/other furniture surfaces; No visible dust around ventilator; Central AC.
Hallway next to Classroom 5	2'x4' ceiling tiles and 9"x9" tile floor; No visual signs of microbial growth, and no odor; No visible dust on floor/other furniture surfaces; Unit ventilator system and window AC unit.
Hallway next to Classroom 20	2'x4' ceiling tiles and 9"x9" tile floor; No visual signs of microbial growth, and no odor; No visible dust on floor/other furniture surfaces; No visible dust around ventilator; Central AC.

Location	Summary of Observations 11-30-2020
Hallway next to Classroom 22	2'x4' ceiling tiles and 9"x9" tile floor; 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

Table 1.2-Observations

Location	Summary of Observations 02-28-2021
Hallway next to Classroom 20	2'x4' ceiling tiles and 9"x9" tile floor; 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 within the ASHRAE recommended ranges in the representative spaces.

Relative Humidity (RH)

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

Carbon Dioxide (CO_2)

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 November 28, 2021, the outdoor (building exterior) CO_2 concentration was approximately 600 ppm therefore indoor concentrations should not exceed approximately 1,300 ppm (700 + 600). The maximum average interior CO_2 concentration detected was 588 ppm in the Cafeteria, a range within the ASHRAE recommendations, per Table 2.1 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 2.1 below.

Table 2.1: Frances Fuchs ECCC - Instrumental Screening Levels
November 30, 2020 (7:30 AM-9:30 AM)

Sample Location	Temp ^{0}F	RH%	CO ppm	CO_2 ppm
Standards	ASHRAE 68 to 75°F*	ASHRAE <65%	NAAQS 9	ASHRAE 1,300
Cafeteria	68.3	50.9	2	588
Hallway next to Janitor room	72.0	54.0	2	491
Hallway next to Classroom 22	74.3	51.8	2	494
Hallway next to Classroom 20	74.3	55.4	2	490
Hallway next to Classroom 5	74.3	46.5	2	484
Outside Exterior EV Sample	62.6	82.0	2	600

PM – Particulate Matter size
°F – Degrees Fahrenheit
CO – Carbon Monoxide
ppm – parts per million
µg/m^3 – micrograms per cubic meter
RH% - % Relative Humidity
CO_2 – Carbon Dioxide
* - Winter Comfort Range

Table 2.2: Frances Fuchs ECCC - Instrumental Screening Levels
February 28, 2021 (7:30 AM-9:30 AM)

Sample Location	Temp ^{0}F	RH%	CO ppm	CO_2 ppm
Standards	ASHRAE 68 to 75°F*	ASHRAE <65%	NAAQS 9	ASHRAE 1,300
Hallway next to Classroom 20	74.3	55.4	2	490
Outside Exterior EV Sample	62.6	82.0	2	600

PM – Particulate Matter size
°F – Degrees Fahrenheit
CO – Carbon Monoxide
ppm – parts per million
µg/m^3 – micrograms per cubic meter
RH% - % Relative Humidity
CO_2 – 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 3.1: Summarizes airborne mold spore sampling results and locations. On November 30, 2020, total mold counts in representative samples (spore count/m^3 of air) in all the areas inspected were equal than the outdoor concentrations with the exception of the Hallway next to Classroom 20. Laboratory analysis follows this report (see attachment).

Table 3.2: Summarizes airborne mold spore sampling results and locations. On February 28, 2021, total mold counts in representative samples (spore count/m^3 of air) in all the areas inspected were lower than the outdoor concentrations. Laboratory analysis follows this report (see attachment).

Table 3.1: Frances Fuchs ECCC - Measurements of Mold-in-Air Samples November 30, 2020 (7:30 AM-9:30 AM)

Spore Types	Cafeteria	Hallway next to Janitor room	Hallway next to Classroom 22	Hallway next to Classroom 20
Alternaria (Ulocladium)	-	-	10*	-
Ascospores	440	1,700	2,600	2,500
Aspergillus/Penicillium	3,500	870	90	440
Basidiospores	7,380	54,600	68,100	168,000
Bipolaris++				
Chaetomium				
Cladosporium	1,500			300
Curvularia				
Epicoccum				
Fusarium				
Ganoderma				
Myxomycetes++		10*	30*	200
Pithomyces++				
Rust				
Scopulariopsis/Microascus				
Stachybotrys/Memnoniella				
Unidentifiable Spores				
Zygomycetes				
Nigrospora				
Hyphal Fragment			40	
Insect Fragment				
Pollen				
Total Fungi	**12,820**	**57,180**	**70,870**	**171,440**

* Spore Counts per cubic meter of air (Counts/m^3).
++Includes other spores with similar morphology.

Table 3.1: Frances Fuchs ECCC - Measurements of Mold-in-Air Samples continued November 30 2020 (7:30 AM-9:30 AM)

Spore Types	Hallway next to Classroom 5	Outside Exterior EV Sample	Field Blank
Alternaria (Ulocladium)	10*	-	-
Ascospores	200	9950	-
Aspergillus/Penicillium	50*		-
Basidiospores	48,000	137,000	-
Bipolaris++			-
Chaetomium			-
Cladosporium		100	-
Curvularia			-
Epicoccum			-
Fusarium			-
Ganoderma			-
Myxomycetes++		100	-
Pithomyces++			-
Rust			-
Scopulariopsis/Microascus			-
Stachybotrys/Memnoniella			-
Unidentifiable Spores			-
Zygomycetes			-
Nigrospora			-
Hyphal Fragment			-
Insect Fragment			-
Pollen			-
Total Fungi	**48,260**	**147,150**	**No Trace**

*Spore Counts per cubic meter of air (Counts/m^3).
++Includes other spores with similar morphology.

Table 3.2: Frances Fuchs ECCC - Measurements of Mold-in-Air Samples continued February 28, 2021 (7:30 AM-9:30 AM)

Spore Types	Hallway next to Classroom 20	Outside Exterior EV Sample	Field Blank
Alternaria (Ulocladium)	-	-	-
Ascospores	200	300	-
Aspergillus/Penicillium	40	-	-
Basidiospores	2,300	2,700	-
Bipolaris++	-	-	-
Chaetomium	-	-	-
Cladosporium	-	-	-
Curvularia	-	-	-
Epicoccum	-	-	-
Fusarium	-	-	-
Ganoderma	-	-	-
Myxomycetes++	-	-	-
Pithomyces++	-	-	-
Rust	-	-	-
Scopulariopsis/Microascus	--	-	-
Stachybotrys/Memnoniella	-	-	-
Unidentifiable Spores	-	-	-
Zygomycetes	-	-	-
Nigrospora	-	-	-
Hyphal Fragment	10*	-	-
Insect Fragment	-	-	-
Pollen	-	-	-
Total Fungi	**2,550**	**3,000**	**No Trace**

*Spore Counts per cubic meter of air (Counts/m^3).
++Includes other spores with similar morphology.

Findings and Conclusions

The comfort parameters (i.e., temperature, RH, CO_2, and CO levels) in the representative areas conform to ASHRAE and/or NAAQS guidelines. On November 30, 2020, total mold counts in representative area samples (spore count/m^3 of air) in all the areas inspected were lower than the outdoor concentrations, with the exception of the Hallway next to Classroom 20.

On February 28, 2021, total mold counts in air samples (spore count/m^3 of air) in the Hallway next to Classroom 20 were significantly lower than the outdoor concentrations, indicating no amplified mold growth. Based on the observations, mold spore results, and the results of the indoor air quality parameters tested, the corrective actions implemented were determined to be effective.

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.

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EMSL Order: 192011812
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Project ID:

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Collected Date: 11/30/2020
Received Date: 11/30/2020 02:30 PM
Analyzed Date: 12/02/2020

Project: FRANCES R FUCHS ECCC/PGCPS IAQ - 11011 CHERRY HILL RD, BELTSVILLE, MD 20705

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

Lab Sample Number:	192011812-0001			192011812-0002			192011812-0003		
Client Sample ID:	01			02			03		
Volume (L):	75			75			75		
Sample Location:	CAFETERIA			HW NEXT TO JANITOR RM			HW NEXT TO RM 22		
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
Ascospores	10	440	3.4	39	1700	3	59	2600	3.7
Aspergillus/Penicillium	81	3500	27.3	20	870	1.5	2	90	0.1
Basidiospores	169	7380	57.6	1250	54600	95.4	1560	68100	96.1
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	34	1500	11.7	-	-	-	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	1*	10*	0	2*	30*	0
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Chaetoconis	-	-	-	1	40	0.1	1*	10*	0
Total Fungi	**294**	**12820**	**100**	**1311**	**57220**	**100**	**1625**	**70840**	**100**
Hyphal Fragment	-	-	-	-	-	-	1	40	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	44	-	-	44	-	-	44	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	1	-	-	1	-	-	1	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	1	-	-	1	-	-	1	-

192011812-0001 - Aspergillus conidiophores present in sample.

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

Abubakar Barry, Microbiology Laboratory Manager or other Approved Signatory

Initial report from: 12/03/2020 09:12 AM

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

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Analyzed Date: 12/02/2020

Project: FRANCES R FUCHS ECCC/PGCPS IAQ - 11011 CHERRY HILL RD, BELTSVILLE, MD 20705

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

Lab Sample Number:	192011812-0004			192011812-0005			192011812-0006		
Client Sample ID:	04			05			06		
Volume (L):	75			75			75		
Sample Location:	HW NEXT TO RM 20			HW NEXT TO RM 5			OUTSIDE EXT EV SAMPLE		
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	-	-	-
Ascospores	57	2500	1.5	4	200	0.4	228	9950	6.8
Aspergillus/Penicillium	10	440	0.3	4*	50*	0.1	-	-	-
Basidiospores	3840	168000	98	1100	48000	99.5	3140	137000	93.1
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	6	300	0.2	-	-	-	3	100	0.1
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	5	200	0.1	-	-	-	3	100	0.1
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Chaetoconis	1*	10*	0	-	-	-	-	-	-
Total Fungi	**3919**	**171450**	**100**	**1109**	**48260**	**100**	**3374**	**147150**	**100**
Hyphal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	44	-	-	44	-	-	44	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	1	-	-	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.

Abubakar Barry, Microbiology Laboratory Manager
or other Approved Signatory

Initial report from: 12/03/2020 09:12 AM

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Project: FRANCES R FUCHS ECCC/PGCPS IAQ - 11011 CHERRY HILL RD, BELTSVILLE, MD 20705

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

Lab Sample Number:	192011812-0007		
Client Sample ID:	07		
Volume (L):			
Sample Location:	FIELD BLANK		
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	-	-	-
Chaetoconis	-	-	-
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.

Abubakar Barry, Microbiology Laboratory Manager or other Approved Signatory

Initial report from: 12/03/2020 09:12 AM

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Received Date: 03/03/2021 10:55 AM
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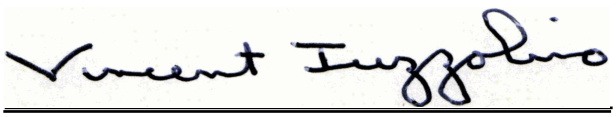
Project: Frances R Fuchs ECC / PGCPS IAQ / 11011 Cherry Hill Rd, Beltsville MD 20705

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

Lab Sample Number:	372103038-0001			372103038-0002			372103038-0003		
Client Sample ID:	1F			2F			3F		
Volume (L):	75			75					
Sample Location:	H/W Next To Room 20			Outside Exterior EV Sample			Field Blank		
Spore Types	**Raw Count**	**Count/M³**	**% of Total**	**Raw Count**	**Count/M³**	**% of Total**	**Raw Count**	**Count/M³**	**% of Total**
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	4	200	7.9	8	300	10	-	-	-
Aspergillus/Penicillium	1	40	1.6	-	-	-	-	-	-
Basidiospores	55	2300	90.6	65	2700	90	-	-	-
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	-	-	-	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Total Fungi	**60**	**2540**	**100**	**73**	**3000**	**100**	**-**	**No Trace**	**-**
Hyphal Fragment	1*	10*	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	41	-	-	41	-	-	0	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	0*	-
Skin Fragments (1-4)	-	2	-	-	1	-	-	-	-
Fibrous Particulate (1-4)	-	3	-	-	1	-	-	-	-
Background (1-5)	-	1	-	-	1	-	-	-	-

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



Vincent Iuzzolino, M.S., Laboratory Manager
or other Approved Signatory

Initial report from: 03/04/2021 08:58 AM

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

OrderID: 192011812

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Microbiology Chain of Custody

EMSL Order Number (Lab Use Only)

192011812

PHONE.
FAX

Company Name: SaLUT Inc		**EMSL-Bill to:** ☒ Same ☐ Different If Bill to is Different note instructions in Comments**	
Street: 1818 New York Ave NE Suite 231		*Third Party Billing requires written authorization from third party*	
City: Washington	**State/Province:** DC	**Zip/Postal Code:** 20002	**Country:** USA
Report To (Name): Indika Jayatilake		**Telephone #:** 301-595-3783	
Email Address: ijayatilake@salutinc.com		**Fax #:**	**Purchase Order:**
Project Number/Location: Frances R Fuchs E.C C / PGCPS IAQ		**Please Provide Results:** ☐ Fax ☒ Email	
Location Address: 11011 Cherry Hill Rd, Beltsville, MD 20705		**Connecticut Samples:** ☐ Commercial ☐ Residential	

**Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide. TATs are subject to methodology requirements*

Sterile, Sodium Thiosulfate Preserved Bottle Used: ☐ **Biocide Used in Source (specify):** _____ ☐

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

Turnaround Time (TAT) Options * - Please Check

☐ 3 Hour	☐ 6 Hour	☐ 24 Hour	☐ 48 Hour	☒ 72 Hour	☐ 96 Hour	☐ 1 Week	☐ 2 Week

Microbiology Test Codes

M001 Air-O-Cell
M174 MoldSnap
M030 Micro 5
M032 Allergenco-D
M041 Fungal Direct Examination
M169 Pollen ID & Enumeration
M280 Dust Characterization Level-1
M281 Dust Characterization Level-2
M005 Viable Fungi- Air Samples (Genus ID & Count)
M006 Viable Fungi- Air Samples (Includes *Penicillium, Aspergillus, Cladosporium, Stachybotrys* Species ID & Count)
M007 Culturable fungi - Surface Samples (Genus ID & Count)
M008 Culturable fungi - Surface Samples (Includes *Penicillium, Aspergillus, Cladosporium, Stachybotrys* Species ID & Count)
M009 Bacteria Culture Gram Stain & Count
M010 Bacteria Count & ID - 3 Most Prominent
M011 Bacteria Count & ID - 5 Most Prominent
M012 Pseudomonas aeruginosa (P/A***)

M024 Pseudomonas aeruginosa (MFT*)
M015 Heterotrophic Plate Count
M017 Total Coliform & E coli (Colilert P/A***)
M018 Total Coliform & E. coli (MFT*)
M114 Total Coliform & E. coli Enumeration (Colilert MPN**)
M019 Fecal Coliform (MFT*)
M020 Fecal Streptococcus (MFT*)
M029 Enterococci (MFT*)
M129 Enterococci (Enterolert P/A***)
M180 Real Time qPCR-ERMI 36 Panel
M025 Sewage Screen –Water (MFT*)

M115 Sewage Screen - Water (P/A***)
M116 Sewage Screen - Water (MPN**)
M117 Sewage Screen - Swab (P/A***)
M013 Sewage Screen - Swab (MFT*)
M133 Methicillin-resistant Staph aureus (MRSA)
M031 Rapid-growing non-TB Mycobacteria Detection & Enumeration
M014 Endotoxin Analysis
M044 Group Allergen (Cat, Dog, Cockroach, Dust Mite)
Other See Analytical Price Guide
Legionella Analysis Please use EMSL Legionella COC

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

Name of Sampler: Jude Fonseka

Signature of Sampler:

Sample #	Sample Location/Description	Sample Type	Potable/ NonPotable (only for waters)	Test Code	Volume/ Area	Date/Time Collected	Temperature (°C) (Lab Use Only)
01	Cafeteria	Air		M001	75L	11/30/2020	
02	H/W next to Janitor room	Air		M001	75L	11/30/2020	
03	H/W next to room 22	Air		M001	75L	11/30/2020	
04	H/W next to room 20	Air		M001	75L	11/30/2020	
05	H/W next to room 5	Air		M001	75L	11/30/2020	
06	Outside Exterior EV Sample	Air		M001	75L	11/30/2020	

Client Sample # (s): -

Total # of Samples: 07

Samples Received Chilled? Yes / No

Relinquished (Client): _____ **Date:** _____ **Time:** _____

Received (Lab): Ground dropbox **Date:** _____ **Time:** _____

Comments/Special Instructions:

RECEIVED
EMSL ANALYTICAL, INC.
BELTSVILLE, MD
2020 DEC 10 P 2:30

OrderID: 192011812

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Microbiology Chain of Custody

EMSL Order Number *(Lab Use Only)*:

PHONE
FAX:

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

Sample #	Sample Location/Description	Sample Type	Potable/ NonPotable	Test Code	Volume/ Area	Date/Time Collected	Temperature (°C) (Lab Use Only)
07	Field Blank	Air		N/A	N/A	11/30/2020	

Comments/Special Instructions:

Page 2 of _____

OrderID: 372103038

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Microbiology Chain of Custody

EMSL Order Number (*Lab Use Only*): 372103038

PHONE:
FAX:

Company Name: SaLUT Inc.		**EMSL-Bill to:** ☒ Same ☐ Different If Bill to is Different note instructions in Comments** *Third Party Billing requires written authorization from third party*	
Street: 1818 New York Ave NE Suite 231			
City: Washington	**State/Province:** DC	**Zip/Postal Code:** 20002	**Country:** USA
Report To (Name): Indika Jayatilake		**Telephone #:** 301-595-3783	
Email Address: ijayatilake@salutinc.com		**Fax #:**	**Purchase Order:**
Project Number/Location: Frances R Fuchs E.C.C / PGCPS IAQ		**Please Provide Results:** ☐ Fax ☒ Email	
Location Address: 11011 Cherry Hill Rd, Beltsville, MD 20705		**Connecticut Samples:** ☐ Commercial ☐ Residential	

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Legionella Analysis Please use EMSL Legionella COC

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

RECEIVED EMSL CINNAMINSON, NJ 2021 MAR -3 AM 10:51

Name of Sampler: Jude Fonseka **Signature of Sampler:**

Sample #	Sample Location/Description	Sample Type	Potable/ NonPotable (only for waters)	Test Code	Volume/ Area	Date/Time Collected	Temperature (°C) (Lab Use Only)
1 F	H/W next to room 20	Air		M001	75L	2/28/2021	
2 F	Outside Exterior EV Sample	Air		M001	75L	2/28/2021	
3 F	Field Blank	Air		N/A	N/A	2/28/2021	

Client Sample # (s): -

Total # of Samples: 03

Samples Received Chilled? Yes / No

Relinquished (Client): **Date:** **Time:**

Received (Lab): L. Foxworth, Mail Box **Date:** 3/3/21 **Time:** 10:55

Comments/Special Instructions:

RECEIVED EMSL ANALYTICAL, INC. BELTSVILLE, MD 2021 FEB 26 A 6:21