



June 25, 2019

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

Attention: Alex Baylor
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Subject: Indoor Air Quality Survey
Fairmont Heights High School
6501 Columbia Park Road
Landover, MD 20785

Mr. Baylor:

On May 15, 2019, a Soil and Land Use Technology, Inc. (SaLUT) Industrial Hygienist conducted an indoor air quality (IAQ) evaluation at Fairmont Heights High School, a property maintained by the Prince George's County Public Schools (PGCPS) located at 6501 Columbia Park 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 3000-photoionization detector (PID) was used to measure total volatile organic compounds (TVOC).

Respirable particulate in air (size classes PM_{2.5}μ 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 Fairmont Heights High School, visited on May 15, 2019.

Table 1-Observations

Location	Summary of Observations 5-15-2019
Classroom A-101	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/Central HVAC system.
Classroom A-111	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/Central HVAC system.
Classroom A-113	2’x4’ ceiling tiles and 6”x6” tile floor; No visual signs of microbial growth, and no odor; No visible dust on floor/other furniture surfaces; Unit ventilator/Central HVAC system.
Classroom A-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/Central HVAC system.
Classroom A-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/Central HVAC system.
Classroom A-127	2’x4’ ceiling tiles and 6”x6” tile floor; No visual signs of microbial growth, and no odor; No visible dust on floor/other furniture surfaces; Unit ventilator/Central HVAC system.
Classroom A-131	2’x4’ ceiling tiles and 6”x6” tile floor; No visual signs of microbial growth, and no odor; No visible dust on floor/other furniture surfaces; Unit ventilator/Central HVAC system.
Classroom A-134	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/Central HVAC system.
Classroom A-211	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/Central HVAC system.

Location	Summary of Observations 5-15-2019
Classroom A-213	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/Central HVAC system.
Classroom B-101 – Teacher workroom	2'x4' ceiling tiles and 6"x6" tile floor; No visual signs of microbial growth, and no odor; No visible dust on floor/other furniture surfaces; Unit ventilator/Central HVAC system.
Classroom B-103	2'x4' ceiling tiles and 6"x6" tile floor; No visual signs of microbial growth, and no odor; No visible dust on floor/other furniture surfaces; Unit ventilator/Central HVAC system.
Classroom B-110 – Art Studio	2'x4' ceiling tiles and 6"x6" tile floor; No visual signs of microbial growth, and no odor; No visible dust on floor/other furniture surfaces; Unit ventilator/Central HVAC system. Missing two ceiling tiles. Stains on ceiling tiles an floor tiles. Excessive dust on vents.
Classroom B-118 - F.O.T	2'x4' ceiling tiles and 6"x6" tile floor; No visual signs of microbial growth, and no odor; No visible dust on floor/other furniture surfaces; Unit ventilator/Central HVAC system.
Classroom B-120	2'x4' ceiling tiles and 6"x6" tile floor; No visual signs of microbial growth, and no odor; No visible dust on floor/other furniture surfaces; Unit ventilator/Central HVAC system.
Classroom B-131 – Media Center	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/Central HVAC system.
Classroom B-209	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/Central HVAC system.
Classroom B-211 Lab	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/Central HVAC system.
Classroom B-216	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/Central HVAC system.
Classroom B-221	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;

Location	Summary of Observations 5-15-2019
	Unit ventilator/Central HVAC system.
Classroom C-101	2'x4' ceiling tiles and 6"x6" tile floor; No visual signs of microbial growth, and no odor; No visible dust on floor/other furniture surfaces; Unit ventilator/Central HVAC system.
Classroom C-103	2'x4' ceiling tiles and 6"x6" tile floor; No visual signs of microbial growth, and no odor; No visible dust on floor/other furniture surfaces; Unit ventilator/Central HVAC system.
Classroom C-145 - Special Ed	2'x4' ceiling tiles and 6"x6" tile floor; No visual signs of microbial growth, and no odor; No visible dust on floor/other furniture surfaces; Unit ventilator/Central HVAC system.
C-165 - Office	2'x4' ceiling tiles and 6"x6" tile floor; No visual signs of microbial growth, and no odor; No visible dust on floor/other furniture surfaces; Unit ventilator/Central HVAC system.
Classroom C-171 - Office	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/Central HVAC system.
Classroom C-201	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/Central HVAC system.
Classroom C-205	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/Central HVAC system.
Classroom C-209	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/Central HVAC system.
Classroom D-104 - A.D. Office	2'x4' ceiling tiles and 6"x6" tile floor; No visual signs of microbial growth, and no odor; No visible dust on floor/other furniture surfaces; Unit ventilator/Central HVAC system.
Classroom D-105 - Health Classroom	2'x4' ceiling tiles and 6"x6" tile floor; No visual signs of microbial growth, and no odor; No visible dust on floor/other furniture surfaces; Unit ventilator/Central HVAC system.

Location	Summary of Observations 5-15-2019
Classroom D-130 - Auxiliary Gym	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/Central HVAC system.
F-123 – Dance 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/Central HVAC system.
Auditorium	2'x4' ceiling tiles and 6" x 6" tile floor; No visual signs of microbial growth, and no odor; No visible dust on floor/other furniture surfaces; Unit ventilator/Central HVAC system.
Cafeteria	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/Central HVAC system.
Gymnasium	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/Central HVAC system.

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 some readings which were slightly 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 (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 561 ppm therefore indoor concentrations should not exceed approximately 1,261 ppm (700 + 561). The maximum average interior CO₂ concentration detected was 1048 ppm in Classroom B-221, a range within the ASHRAE recommendations, per Table 2 below.

Carbon Monoxide (CO)

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

Respirable Particulates

Direct reading particulate monitoring did not identify a condition of concern. Particulate concentrations for two mass ranges with EPA ambient air quality guidelines (PM_{2.5} and PM₁₀) were below their respective NAAQS levels. On May 15, 2019, the highest average PM_{2.5} concentration during the monitoring period was 0.005 mg/m³ (5 µg/m³) in the Auditorium. This is compared to the NAAQS primary standard for PM_{2.5} of 12 µg/m³ annual mean. The highest average PM₁₀ concentration during the same period was 0.036 mg/m³ (36 µg/m³) in the Auditorium. This is compared to NAAQS standard for PM₁₀ of 150 µg/m³ 24 hour average.

Total Volatile Organic Chemicals (TVOC)

LEED's standard of 500 µg/m³ for TVOC (ANSI/ASHRAE Standard 62.1-2010) concentrations per the instrument's level of detection for a healthy commercial building were used as the standard for TVOCs for this survey. Concentrations below this value can be considered as "background levels" and, at such low concentrations, they are extremely unlikely to cause any adverse health conditions to the occupants. Generally, values below 3000 µg/m³ are unlikely to cause more than mild irritation or headaches, but to date no recognized industry standard has been established for TVOCs. Perfumes, colognes, and air fresheners as well as certain cleaning chemicals can all cause temporary increases in TVOC readings. TVOC readings cannot be used to establish OSHA limits on specific VOCs or be attributed to specific compounds.

**Table 2: Fairmont Heights High School Instrumental Screening Levels
May 15, 2019**

Sample Location	Temp °F	RH%	CO ppm	CO ₂ ppm	PM 2.5 mg/m ³	PM 10 mg/m ³	TVOC ppm
Standards	ASHRAE 73 to 79°F*	ASHRAE <65%	NAAQS 9	ASHRAE 1,261	NAAQS 0.012	NAAQS 0.150	1.0
Classroom A-111	70.5	57.9	0	612	0.004	0.017	0.1
Classroom A-118	68.3	54.3	0	648	0.004	0.013	0.1
Classroom A-124	70.2	51.5	0	549	0.003	0.011	0
Classroom A-211	73.4	54.2	0	585	0.003	0.017	0.1
Classroom A-213	73.4	59.8	0	635	0.004	0.015	0.1
Classroom B-103	73.4	49.2	0	523	0.001	0.016	0.1
Classroom B-110	70.8	49.2	0	549	0.004	0.011	0.1
Classroom B-118	69.2	49.2	0	634	0.002	0.011	0.1
Classroom B-131	70.2	55.1	0	645	0.002	0.014	0
Classroom B-145	71.6	51.5	0	685	0.004	0.012	0.1
Classroom B-171	70.4	58.5	0	542	0.002	0.015	0.1
Classroom B-209	71.6	49.2	0	563	0.002	0.015	0
Classroom B-211 Lab	70.8	58.1	0	541	0.002	0.012	0
Classroom B-216	71.6	54.3	0	579	0.002	0.014	0
Classroom B-221	73.4	56.9	0	1048	0.001	0.016	0
Classroom C-103	69.5	58.5	0	589	0.003	0.011	0.1
Classroom C-120	71.0	54.8	0	587	0.002	0.011	0
Classroom C-165	72.4	48.2	0	521	0.002	0.013	0.1
Classroom C-201	71.0	49.2	0	554	0.004	0.011	0.1
Classroom C-205	73.4	56.3	0	502	0.001	0.011	0
Classroom C-209	69.5	54.1	0	624	0.001	0.017	0
Classroom F-123	71.5	56.2	0	543	0.004	0.012	0
Auditorium	68.3	49.2	0	578	0.005	0.036	0.1
Cafeteria	69.5	58.6	0	563	0.002	0.011	0
Gymnasium	71.2	49.1	0	542	0.001	0.012	0
Exterior of the Building- Next to the Entrance	78.4	58.9	0	561	0.002	0.001	0

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
* - Summer Comfort Range

Mold-in-Air Samples

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

Tables 3 summarizes airborne mold spore sampling results and locations. On May 15, 2019, 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: Fairmont Heights High School - Measurements of Mold-in-Air Samples
May 15, 2019**

Spore Types	Classroom A-101	A-101	Classroom A-111	Classroom A-113
<i>Alternaria (Ulocladium)</i>	-	-	-	-
<i>Ascospores</i>	-	-	-	-
<i>Aspergillus/Penicillium</i>	-	-	300	90
<i>Basidiospores</i>	-	100	40	200
<i>Bipolaris++</i>	-	-	-	-
<i>Chaetomium</i>	-	-	-	-
<i>Cladosporium</i>	-	-	-	-
<i>Curvularia</i>	-	-	-	-
<i>Epicoccum</i>	-	-	-	-
<i>Fusarium</i>	-	-	-	-
<i>Ganoderma</i>	-	-	-	-
<i>Myxomycetes++</i>	-	-	-	-
<i>Pithomyces++</i>	-	-	-	-
<i>Rust</i>	-	-	-	-
<i>Scopulariopsis/Microascus</i>	-	-	-	-
<i>Stachybotrys/Memmoniella</i>	-	-	-	-
<i>Unidentifiable Spores</i>	-	-	-	-
<i>Zygomycetes</i>	-	-	-	-
<i>Hyphal Fragment</i>	-	-	-	-
<i>Insect Fragment</i>	-	-	-	-
<i>Pollen</i>	-	-	-	-
Total Fungi	Not Detected	100	340	290

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

++Includes other spores with similar morphology.

**Table 3: Fairmont Heights High School - Measurements of Mold-in-Air Samples
Continued**

May 15, 2019

Spore Types	Classroom A-118	Classroom A-124	Classroom A-127	Classroom A-131
<i>Alternaria (Ulocladium)</i>	-	-	-	-
<i>Ascospores</i>	-	-	-	-
<i>Aspergillus/Penicillium</i>	-	40	-	-
<i>Basidiospores</i>	40	200	300	-
<i>Bipolaris++</i>	-	-	-	-
<i>Chaetomium</i>	-	-	-	-
<i>Cladosporium</i>	90	-	-	-
<i>Curvularia</i>	-	-	-	-
<i>Epicoccum</i>	-	-	-	-
<i>Fusarium</i>	-	-	-	-
<i>Ganoderma</i>	-	-	-	-
<i>Myxomycetes++</i>	-	-	-	-
<i>Pithomyces++</i>	-	-	-	-
<i>Rust</i>	-	-	-	-
<i>Scopulariopsis/Microascus</i>	-	-	-	-
<i>Stachybotrys/Memnoniella</i>	-	-	-	-
<i>Unidentifiable Spores</i>	-	-	-	-
<i>Zygomycetes</i>	-	-	-	-
<i>Hyphal Fragment</i>	-	-	-	-
<i>Insect Fragment</i>	-	-	-	-
<i>Pollen</i>	-	-	40	-
Total Fungi	130	240	300	Not Detected

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

++Includes other spores with similar morphology.

**Table 3: Fairmont Heights High School - Measurements of Mold-in-Air Samples
Continued**

May 15, 2019

Spore Types	A-134 Conference Room	Classroom A-217	Classroom B-101	Classroom B-103
<i>Alternaria (Ulocladium)</i>	-	-	-	-
<i>Ascospores</i>	-	-	40	-
<i>Aspergillus/Penicillium</i>	-	-	40	-
<i>Basidiospores</i>	90	40	-	40
<i>Bipolaris++</i>	-	-	-	-
<i>Chaetomium</i>	-	-	-	-
<i>Cladosporium</i>	-	90	-	-
<i>Curvularia</i>	-	-	-	-
<i>Epicoccum</i>	-	-	-	-
<i>Fusarium</i>	-	-	-	-
<i>Ganoderma</i>	-	-	-	-
<i>Myxomycetes++</i>	-	-	-	-
<i>Pithomyces++</i>	-	-	-	-
<i>Rust</i>	-	-	-	-
<i>Scopulariopsis/Microascus</i>	-	-	-	-
<i>Stachybotrys/Memnoniella</i>	-	-	-	-
<i>Unidentifiable Spores</i>	-	-	-	-
<i>Zygomycetes</i>	-	-	-	-
<i>Hyphal Fragment</i>	-	-	-	-
<i>Insect Fragment</i>	-	-	-	-
<i>Pollen</i>	-	10*	-	-
Total Fungi	90	130	80	40

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

++Includes other spores with similar morphology.

**Table 3: Fairmont Heights High School - Measurements of Mold-in-Air Samples
Continued**

May 15, 2019

Spore Types	Classroom B-110	Classroom B-118	Classroom B-131	Classroom B-209
<i>Alternaria (Ulocladium)</i>	-	-	-	-
<i>Ascospores</i>	-	-	-	-
<i>Aspergillus/Penicillium</i>	-	-	-	90
<i>Basidiospores</i>	-	-	100	40
<i>Bipolaris++</i>	-	-	-	-
<i>Chaetomium</i>	-	-	-	-
<i>Cladosporium</i>	-	-	-	-
<i>Curvularia</i>	-	-	-	-
<i>Epicoccum</i>	-	-	-	-
<i>Fusarium</i>	-	-	-	-
<i>Ganoderma</i>	-	-	-	-
<i>Myxomycetes++</i>	-	-	-	-
<i>Pithomyces++</i>	-	-	-	-
<i>Rust</i>	-	-	-	-
<i>Scopulariopsis/Microascus</i>	-	-	-	-
<i>Stachybotrys/Memmoniella</i>	-	-	-	-
<i>Unidentifiable Spores</i>	-	-	-	-
<i>Zygomycetes</i>	-	-	-	-
<i>Hyphal Fragment</i>	-	-	-	-
<i>Insect Fragment</i>	-	-	-	-
<i>Pollen</i>	-	-	-	-
Total Fungi	Not Detected	Not Detected	100	130

*Spore Counts per cubic meter of air (Counts/m³).
 ++Includes other spores with similar morphology.

**Table 3: Fairmont Heights High School - Measurements of Mold-in-Air Samples
Continued**

May 15, 2019

Spore Types	Lab B-211	Classroom B-211	B-211	Classroom B-216
<i>Alternaria (Ulocladium)</i>	-	-	-	-
<i>Ascospores</i>	-	-	-	-
<i>Aspergillus/Penicillium</i>	40	-	-	40
<i>Basidiospores</i>	-	-	-	40
<i>Bipolaris++</i>	-	-	-	-
<i>Chaetomium</i>	-	-	-	-
<i>Cladosporium</i>	-	-	-	-
<i>Curvularia</i>	-	-	-	-
<i>Epicoccum</i>	-	-	-	-
<i>Fusarium</i>	-	-	-	-
<i>Ganoderma</i>	-	-	-	-
<i>Myxomycetes++</i>	-	-	-	-
<i>Pithomyces++</i>	-	-	-	-
<i>Rust</i>	-	-	-	-
<i>Scopulariopsis/Microascus</i>	-	-	-	-
<i>Stachybotrys/Memmoniella</i>	-	-	-	-
<i>Unidentifiable Spores</i>	40	-	-	-
<i>Zygomycetes</i>	-	-	-	-
<i>Hyphal Fragment</i>	-	-	-	-
<i>Insect Fragment</i>	-	-	-	-
<i>Pollen</i>	-	-	-	-
Total Fungi	80	Not Detected	Not Detected	80

*Spore Counts per cubic meter of air (Counts/m³).
 ++Includes other spores with similar morphology.

**Table 3: Fairmont Heights High School - Measurements of Mold-in-Air Samples
Continued**

May 15, 2019

Spore Types	Classroom C-120	Classroom C-145	Classroom C-165	Classroom C-171
<i>Alternaria (Ulocladium)</i>	-	-	-	-
<i>Ascospores</i>	-	40	-	-
<i>Aspergillus/Penicillium</i>	-	-	-	-
<i>Basidiospores</i>	-	200	100	40
<i>Bipolaris++</i>	-	-	-	-
<i>Chaetomium</i>	-	-	-	-
<i>Cladosporium</i>	-	-	40	-
<i>Curvularia</i>	-	40	-	-
<i>Epicoccum</i>	-	-	-	-
<i>Fusarium</i>	-	-	-	-
<i>Ganoderma</i>	-	-	-	-
<i>Myxomycetes++</i>	-	-	-	-
<i>Pithomyces++</i>	-	-	-	-
<i>Rust</i>	-	-	-	-
<i>Scopulariopsis/Microascus</i>	-	-	-	-
<i>Stachybotrys/Memmoniella</i>	-	-	-	-
<i>Unidentifiable Spores</i>	-	-	-	-
<i>Zygomycetes</i>	-	-	-	-
<i>Hyphal Fragment</i>	-	-	-	-
<i>Insect Fragment</i>	-	-	-	-
<i>Pollen</i>	-	-	-	-
Total Fungi	Not Detected	280	140	40

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

++Includes other spores with similar morphology.

**Table 3: Fairmont Heights High School - Measurements of Mold-in-Air Samples
Continued**

May 15, 2019

Spore Types	Classroom C-171	Classroom C-201	Classroom C-205	Classroom C-209
<i>Alternaria (Ulocladium)</i>	-	-	-	-
<i>Ascospores</i>	-	-	-	-
<i>Aspergillus/Penicillium</i>	-	-	200	40
<i>Basidiospores</i>	-	-	40	-
<i>Bipolaris++</i>	-	-	-	-
<i>Chaetomium</i>	-	-	-	-
<i>Cladosporium</i>	-	-	-	-
<i>Curvularia</i>	-	-	-	-
<i>Epicoccum</i>	-	-	-	-
<i>Fusarium</i>	-	-	-	-
<i>Ganoderma</i>	-	-	-	-
<i>Myxomycetes++</i>	-	-	-	-
<i>Pithomyces++</i>	-	-	-	-
<i>Rust</i>	-	-	-	-
<i>Scopulariopsis/Microascus</i>	-	-	-	-
<i>Stachybotrys/Memmoniella</i>	-	-	-	-
<i>Unidentifiable Spores</i>	-	-	-	-
<i>Zygomycetes</i>	-	-	-	-
<i>Hyphal Fragment</i>	-	-	-	-
<i>Insect Fragment</i>	-	-	-	-
<i>Pollen</i>	-	-	-	-
Total Fungi	Not Detected	Not Detected	240	40

*Spore Counts per cubic meter of air (Counts/m³).
++Includes other spores with similar morphology.

**Table 3: Fairmont Heights High School - Measurements of Mold-in-Air Samples
Continued**

May 15, 2019

Spore Types	Classroom D-104	Classroom D-105	Classroom D-126	Classroom F-123
<i>Alternaria (Ulocladium)</i>	-	-	-	-
<i>Ascospores</i>	90	-	-	-
<i>Aspergillus/Penicillium</i>	40	-	-	-
<i>Basidiospores</i>	-	-	10*	-
<i>Bipolaris++</i>	-	-	-	-
<i>Chaetomium</i>	-	-	-	-
<i>Cladosporium</i>	40	-	40	-
<i>Curvularia</i>	-	-	-	-
<i>Epicoccum</i>	-	-	-	-
<i>Fusarium</i>	-	-	-	-
<i>Ganoderma</i>	-	-	-	-
<i>Myxomycetes++</i>	-	-	-	-
<i>Pithomyces++</i>	-	-	-	-
<i>Rust</i>	-	-	-	-
<i>Scopulariopsis/Microascus</i>	-	-	-	-
<i>Stachybotrys/Memmoniella</i>	-	-	-	-
<i>Unidentifiable Spores</i>	-	-	-	-
<i>Zygomycetes</i>	-	-	-	-
<i>Hyphal Fragment</i>	-	-	40	-
<i>Insect Fragment</i>	-	-	-	-
<i>Pollen</i>	-	-	-	-
Total Fungi	170	Not Detected	50	Not Detected

*Spore Counts per cubic meter of air (Counts/m³).
 ++Includes other spores with similar morphology.

Table 3: Fairmont Heights High School - Measurements of Mold-in-Air Samples Continued

May 15, 2019

Spore Types	Cafeteria	Auditorium	Gymnasium
<i>Alternaria (Ulocladium)</i>	-	-	-
<i>Ascospores</i>	-	90	-
<i>Aspergillus/Penicillium</i>	-	-	-
<i>Basidiospores</i>	300	300	100
<i>Bipolaris++</i>	-	-	-
<i>Chaetomium</i>	-	-	-
<i>Cladosporium</i>	-	-	-
<i>Curvularia</i>	-	-	-
<i>Epicoccum</i>	-	-	-
<i>Fusarium</i>	-	-	-
<i>Ganoderma</i>	-	-	-
<i>Myxomycetes++</i>	-	-	-
<i>Pithomyces++</i>	-	-	-
<i>Rust</i>	-	-	-
<i>Scopulariopsis/Microascus</i>	-	-	-
<i>Stachybotrys/Memnoniella</i>	-	-	-
<i>Unidentifiable Spores</i>	-	-	-
<i>Zygomycetes</i>	-	-	-
<i>Hyphal Fragment</i>	-	-	-
<i>Insect Fragment</i>	-	-	-
<i>Pollen</i>	-	-	-
Total Fungi	300	390	100

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

++Includes other spores with similar morphology.

Table 3: Fairmont Heights High School - Measurements of Mold-in-Air Samples Continued

May 15, 2019

Spore Types	Outside Exterior EV Sample	Field Blank	Field Blank	Field Blank
<i>Alternaria (Ulocladium)</i>	90	-	-	-
<i>Ascospores</i>	5,760	-	-	-
<i>Aspergillus/Penicillium</i>	960	-	-	-
<i>Basidiospores</i>	16,100	-	-	-
<i>Bipolaris++</i>	-	-	-	-
<i>Chaetomium</i>	-	-	-	-
<i>Cladosporium</i>	2,100	-	-	-
<i>Curvularia</i>	-	-	-	-
<i>Epicoccum</i>	40	-	-	-
<i>Fusarium</i>	-	-	-	-
<i>Ganoderma</i>	40	-	-	-
<i>Myxomycetes++</i>	-	-	-	-
<i>Pithomyces++</i>	-	-	-	-
<i>Rust</i>	-	-	-	-
<i>Scopulariopsis/Microascus</i>	-	-	-	-
<i>Stachybotrys/Memmoniella</i>	-	-	-	-
<i>Unidentifiable Spores</i>	40	-	-	-
<i>Zygomycetes</i>	-	-	-	-
<i>Hyphal Fragment</i>	-	-	-	-
<i>Insect Fragment</i>	90	-	-	-
<i>Pollen</i>	300	-	-	-
Total Fungi	25,130	Not Detected	Not Detected	Not Detected

*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) and respirable particulates in the representative areas conform to ASHRAE and/or NAAQS guidelines with the exception of some temperature readings which were slightly lower than the ASHRAE comfort level. On May 15, 2019, 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.

Recommendations

Based on the observations, mold spore results, and the results of the indoor air quality parameters tested, we have no recommendations at this time.



Page 18 of 18

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,

A handwritten signature in black ink, appearing to read 'Jayatilake', written over a horizontal line.

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



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Collected: 05/15/2019
Received: 05/21/2019
Analyzed: 05/24/2019
Project: PGCPs IAQ/19-035 Fairmont Height HS, 6501 Columbia Park Road Land over MD 20785

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

Lab Sample Number:	061909876-0001			061909876-0002			061909876-0003		
Client Sample ID:	28394056			27953711			28344050		
Volume (L):	75			75			75		
Sample Location	A-134 Conference Room			Classroom A101			D-105		
Spore Types	Raw Count	Count/m ³	% of Total	Raw Count	Count/m ³	% of Total	Raw Count	Count/m ³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	-	-	-	-	-	-	-	-	-
Aspergillus/Penicillium	-	-	-	-	-	-	-	-	-
Basidiospores	2	90	100	-	-	-	-	-	-
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	-	-	-	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Total Fungi	2	90	100	-	None Detect	-	-	None Detect	-
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.


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.

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Received: 05/21/2019
Analyzed: 05/24/2019

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

Lab Sample Number:	061909876-0004			061909876-0005			061909876-0006		
Client Sample ID:	28394049			28394043			27953671		
Volume (L):	75			75			75		
Sample Location	A-131			A-124			B-211 Lab		
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	-	-	-	1	40	16.7	1	40	50
Basidiospores	-	-	-	5	200	83.3	-	-	-
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	-	-	-	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	1	40	50
Zygomycetes	-	-	-	-	-	-	-	-	-
Total Fungi	-	None Detect	-	6	240	100	2	80	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.


Jeffrey Lau, Microbiology Laboratory Manager
or other approved signatory

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Collected: 05/15/2019
Received: 05/21/2019
Analyzed: 05/24/2019

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

Lab Sample Number:	061909876-0007			061909876-0008			061909876-0009		
Client Sample ID:	28394066			28394079			28394046		
Volume (L):	75			75			75		
Sample Location	D-126			D-104			F-123		
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	-	-	-	2	90	52.9	-	-	-
Aspergillus/Penicillium	-	-	-	1	40	23.5	-	-	-
Basidiospores	1*	10*	20	-	-	-	-	-	-
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	1	40	80	1	40	23.5	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Total Fungi	2	50	100	4	170	100	-	None Detect	-
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	-

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


Jeffrey Lau, Microbiology Laboratory Manager
or other approved signatory

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Phone: (301) 595-3783
Fax: (301) 595-3787
Collected: 05/15/2019
Received: 05/21/2019
Analyzed: 05/24/2019

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

Lab Sample Number:	061909876-0010			061909876-0011			061909876-0012		
Client Sample ID:	28394041			28394073			28394045		
Volume (L):	75			75			75		
Sample Location	C-171			C-171			A-113		
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	-	-	-	-	-	-	2	90	31
Basidiospores	1	40	100	-	-	-	4	200	69
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	-	-	-	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Total Fungi	1	40	100	-	None Detect	-	6	290	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.


Jeffrey Lau, Microbiology Laboratory Manager
or other approved signatory

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Phone: (301) 595-3783
Fax: (301) 595-3787
Collected: 05/15/2019
Received: 05/21/2019
Analyzed: 05/24/2019

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

Lab Sample Number:	061909876-0013			061909876-0014			061909876-0015		
Client Sample ID:	27953635			28394069			28394056		
Volume (L):	75			75			75		
Sample Location	B-211			Auditorium			A-118		
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	-	-	-	2	90	23.1	-	-	-
Aspergillus/Penicillium	-	-	-	-	-	-	-	-	-
Basidiospores	-	-	-	8	300	76.9	1	40	30.8
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	-	-	-	2	90	69.2
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Total Fungi	-	None Detect	-	10	390	100	3	130	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.


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Phone: (301) 595-3783
Fax: (301) 595-3787
Collected: 05/15/2019
Received: 05/21/2019
Analyzed: 05/24/2019

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

Lab Sample Number:	061909876-0016			061909876-0017			061909876-0018		
Client Sample ID:	28394063			28394111			27953682		
Volume (L):	75			75			75		
Sample Location	C-120			Cafeteria			209		
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	-	-	-	-	-	-	1	40	100
Basidiospores	-	-	-	8	300	100	-	-	-
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	-	-	-	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Total Fungi	-	None Detect	-	8	300	100	1	40	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.


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Fax: (301) 595-3787
Collected: 05/15/2019
Received: 05/21/2019
Analyzed: 05/24/2019

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

Lab Sample Number:	061909876-0019			061909876-0020			061909876-0021		
Client Sample ID:	27953715			27953644			28394052		
Volume (L):	75			75			75		
Sample Location	C-201			A-111			B-103		
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	-	-	-	7	300	88.2	-	-	-
Basidiospores	-	-	-	1	40	11.8	1	40	100
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	-	-	-	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Total Fungi	-	None Detect	-	8	340	100	1	40	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.


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Received: 05/21/2019
Analyzed: 05/24/2019

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

Lab Sample Number:	061909876-0022			061909876-0023			061909876-0024		
Client Sample ID:	27953657			28394059			28394065		
Volume (L):	75			75			75		
Sample Location	B-209			B-131			C-165		
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	2	90	69.2	-	-	-	-	-	-
Basidiospores	1	40	30.8	3	100	100	3	100	71.4
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	-	-	-	1	40	28.6
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Total Fungi	3	130	100	3	100	100	4	140	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	-	-	2	-

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


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Collected: 05/15/2019
Received: 05/21/2019
Analyzed: 05/24/2019

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

Lab Sample Number:	061909876-0025			061909876-0026			061909876-0027		
Client Sample ID:	27953711			27953820			27953700		
Volume (L):	75			75			75		
Sample Location	A-101			C-205			B-211		
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	-	-	-	4	200	83.3	-	-	-
Basidiospores	3	100	100	1	40	16.7	-	-	-
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	-	-	-	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Total Fungi	3	100	100	5	240	100	-	None Detect	-
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	-

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

Lab Sample Number:	061909876-0028			061909876-0029			061909876-0030		
Client Sample ID:	28394068			28394047			27953852		
Volume (L):	75			75			75		
Sample Location	Gymnasium			A-127			A-217		
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	-	-	-	-	-	-	-	-	-
Basidiospores	3	100	100	6	300	100	1	40	30.8
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	-	-	-	2	90	69.2
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Total Fungi	3	100	100	6	300	100	3	130	100
Hyphal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	1	40	-	1*	10*	-
Analyt. Sensitivity 600x	-	44	-	-	44	-	-	44	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	1	-	-	1	-	-	2	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	2	-
Background (1-5)	-	1	-	-	1	-	-	2	-

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

Lab Sample Number:	061909876-0031			061909876-0032			061909876-0033		
Client Sample ID:	28394035			27953684			28394044		
Volume (L):	75			75			75		
Sample Location	C-145			B-216			B-110		
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	1	40	14.3	-	-	-	-	-	-
Aspergillus/Penicillium	-	-	-	1	40	50	-	-	-
Basidiospores	4	200	71.4	1	40	50	-	-	-
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	1	40	14.3	-	-	-	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Total Fungi	6	280	100	2	80	100	-	None Detect	-
Hyphal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	44	-	-	44	-	-	44	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	1	-	-	1	-	-	3	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	2	-
Background (1-5)	-	1	-	-	1	-	-	2	-

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


Jeffrey Lau, Microbiology Laboratory Manager
or other approved signatory

High levels of background particulate can obscure spores and other particulates leading to underestimation. Background levels of 5 indicate an overloading of background particulates, prohibiting accurate detection and quantification. Present = Spores detected on overloaded samples. Results are not blank corrected unless otherwise noted. The detection limit is equal to one fungal spore, structure, pollen, fiber particle or insect fragment. *** Denotes particles found at 300X. "-" Denotes not detected. Due to method stopping rules, raw counts in excess of 100 are extrapolated based on the percentage analyzed. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples received in good condition unless otherwise noted.

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

Initial report from: 05/26/2019 15:28:08

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



EMSL Analytical, Inc.

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

EMSL Order: 061909876
Customer ID: SALU50
Customer PO:
Project ID:

Attn: Indika Jayatilake
SaLUT
1818 New York Avenue, NE
Suite 218A
Washington, DC 20002
Project: PGCPs IAQ/19-035 Fairmont Height HS, 6501 Columbia Park Road Land over MD 20785

Phone: (301) 595-3783
Fax: (301) 595-3787
Collected: 05/15/2019
Received: 05/21/2019
Analyzed: 05/24/2019

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

Lab Sample Number:	061909876-0034			061909876-0035			061909876-0036		
Client Sample ID:	28394042			28394296			28394072		
Volume (L):	75			75			75		
Sample Location	B-118			B-101			Outside Exterior EV Sample		
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	2	90	0.4
Ascospores	-	-	-	1	40	50	132	5760	22.9
Aspergillus/Penicillium	-	-	-	1	40	50	22	960	3.8
Basidiospores	-	-	-	-	-	-	369	16100	64.1
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	-	-	-	48	2100	8.4
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	1	40	0.2
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	1	40	0.2
Myxomycetes++	-	-	-	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	1	40	0.2
Zygomycetes	-	-	-	-	-	-	-	-	-
Total Fungi	-	None Detect	-	2	80	100	576	25130	100
Hyphal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	2	90	-
Pollen	-	-	-	-	-	-	8	300	-
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.


Jeffrey Lau, Microbiology Laboratory Manager
or other approved signatory

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

Initial report from: 05/26/2019 15:28:08

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Project: PGCPs IAQ/19-035 Fairmont Height HS, 6501 Columbia Park Road Land over MD 20785

Phone: (301) 595-3783
Fax: (301) 595-3787
Collected: 05/15/2019
Received: 05/21/2019
Analyzed: 05/24/2019

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

Lab Sample Number: Client Sample ID: Volume (L): Sample Location	061909876-0037 28394329 Field Blank			061909876-0038 28394330 Field Blank			061909876-0039 28394340 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	-	-	-	-	-	-	-	-	-
Aspergillus/Penicillium	-	-	-	-	-	-	-	-	-
Basidiospores	-	-	-	-	-	-	-	-	-
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	-	-	-	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Total Fungi	-	No Trace	-	-	No Trace	-	-	No Trace	-
Hyphal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	0	-	-	0	-	-	0	-
Analyt. Sensitivity 300x	-	0*	-	-	0*	-	-	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

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

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EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS TRAINING

Microbiology Chain of Custody

EMSL Order Number (Lab Use Only):

061909876

PHONE:

FAX:

Company Name: SaLUT Inc.		EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments**	
Street: 1818 New York Ave NE Suite 231		Third Party Billing requires written authorization from third party	
City: Washington	State/Province: DC	Zip/Postal Code: 20002	Country: USA
Report To (Name): Indika Jayatillake		Telephone #: 301-595-3783	
Email Address: ijayatillake@salutinc.com		Fax #:	Purchase Order:
Project Number/Location: PGCPS IAQ/19-035 Fairmont Height HS		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email	
Location Address: 6501 Columbia Park Road Land over MD 20785		Connecticut Samples: <input type="checkbox"/> Commercial <input type="checkbox"/> 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: <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 type="checkbox"/> 48 Hour <input type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input checked="" type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week

Microbiology Test Codes

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

Name of Sampler: Indika Jayatillake 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)
28394056	A-134 Conference Room	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	M001	75L	5/15/2019	
27953711	Classroom A101	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	M001	75L	5/15/2019	
28344050	D-105	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	M001	75L	5/15/2019	
28394049	A-131	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	M001	75L	5/15/2019	
28394043	A-124	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	M001	75L	5/15/2019	
27953671	B- 211 lab	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	M001	75L	5/15/2019	

Client Sample # (s): -	Total # of Samples: 39	Samples Received Chilled? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Relinquished (Client):	Date:	Time:
Received (Lab):	Date:	Time:

Comments/Special Instructions:

5/15/2019 9:39 AM

[Signature] 5/24/19

061909876



EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS TRAINING

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

278P0110X

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)
28394066	D-126	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	M001	75L	5/15/2019	
28394079	D-104	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	M001	75L	5/15/2019	
28394046	F-123	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	M001	75L	5/15/2019	
28394041	C-171	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	M001	75L	5/15/2019	
28394073	C-171	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	M001	75L	5/15/2019	
28394045	A-113	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	M001	75L	5/15/2019	
27953635	B-211	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	M001	75L	5/15/2019	
28394069	Auditorium	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	M001	75L	5/15/2019	
28394056	A-118	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	M001	75L	5/15/2019	
28394063	C-120	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	M001	75L	5/15/2019	
28394111	Cafeteria	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	M001	75L	5/15/2019	
27953682	209	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	M001	75L	5/15/2019	
27953715	C-201	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	M001	75L	5/15/2019	
27953644	A-111	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	M001	75L	5/15/2019	
28394052	B-103	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	M001	75L	5/15/2019	
27953657	B-209	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	M001	75L	5/15/2019	
28394059	B-131	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	M001	75L	5/15/2019	
28394065	C-165	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	M001	75L	5/15/2019	
27953711	A-101	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	M001	75L	5/15/2019	
27953820	C-205	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	M001	75L	5/15/2019	
27953700	B-211	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	M001	75L	5/15/2019	
28394068	Gymnasium	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	M001	75L	5/15/2019	
28394047	A-127	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	M001	75L	5/15/2019	
27953852	A-217	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	M001	75L	5/15/2019	

Comments/Special Instructions:

Handwritten signature 5/24/19



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

061909876

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)
28394035	C-145	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	M001	75L	5/15/2019	
27953684	B-216	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	M001	75L	5/15/2019	
28394044	B-110	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	M001	75L	5/15/2019	
28394042	B-118	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	M001	75L	5/15/2019	
28394296	B-101	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	M001	75L	5/15/2019	
28394072	Outside Exterior EV Sample	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	M001	75L	5/15/2019	
28394329	Field Blank	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	N/A	N/A		
28394330	Field Blank	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	N/A	N/A		
28394340	Field Blank	Air	<input type="checkbox"/> P <input type="checkbox"/> NP	N/A	N/A		
			<input type="checkbox"/> P <input type="checkbox"/> NP				
			<input type="checkbox"/> P <input type="checkbox"/> NP				
			<input type="checkbox"/> P <input type="checkbox"/> NP				
			<input type="checkbox"/> P <input type="checkbox"/> NP				
			<input type="checkbox"/> P <input type="checkbox"/> NP				
			<input type="checkbox"/> P <input type="checkbox"/> NP				
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			<input type="checkbox"/> P <input type="checkbox"/> NP				
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			<input type="checkbox"/> P <input type="checkbox"/> NP				
			<input type="checkbox"/> P <input type="checkbox"/> NP				
Comments/Special Instructions:							19 MAY 24 AM 9:39 EMSL Analytical, Inc.