1818 New York Ave. NE, Ste 231, Washington, DC 20002

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

January 14, 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

William Paca Elementary School

200 N. Lakewood Avenue Baltimore, MD 21224

Mr. Baylor:

On December 9, 2020, a Soil and Land Use Technology, Inc. (SaLUT) Industrial Hygienist conducted an indoor air quality (IAQ) evaluation at William Paca Elementary School, a property maintained by Prince George's County Public Schools (PGCPS) located at 200 N. Lakewood Avenue, Baltimore, MD 21224. 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 William Paca Elementary School, visited on December 9, 2020.

**Table 1-Observations** 

Location	Summary of Observations 12-9-2020
Hallway between 10	2'x4' ceiling tiles and 2'x 2' tile floor;
and 103	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.
Hallway between 111	2'x4' ceiling tiles and 2'x 2' tile floor;
and 116	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 between 112	2'x4' ceiling tiles and 2'x 2' tile floor;
and 114	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 301	2'x4' ceiling tiles and 2'x 2' 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.
Cafeteria	2'x4' ceiling tiles and 2'x 2' 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.

#### 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 (CO<sub>2</sub>)

Under conditions of maximum occupancy, ASHRAE Standard 62.1-2010, Appendix C, infers that the acceptable CO<sub>2</sub> upper limit is the prevailing outdoor CO<sub>2</sub> concentration plus 700 parts per million (ppm). On the day of the space evaluation, the outdoor (building exterior) CO<sub>2</sub> concentration was approximately 483 ppm therefore indoor concentrations should not exceed approximately 1,183 ppm (700 + 483). The maximum average interior CO<sub>2</sub> concentration detected was 528 ppm in the Hallway between Classrooms 10 and 103, 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: William Paca Elementary School, Instrumental Screening Levels December 9, 2020 (7:30 AM-9:30 AM)

	Temp		CO	CO <sub>2</sub>
Sample Location	0 <b>F</b>	RH%	ppm	ppm
	ASHRAE	ASHRAE	NAAQS	ASHRAE
Standards	68 to 75°F*	<65%	9	1,183
Hallway between 10 and 103	64.4	30.8	0	528
Hallway between 111 and 116	64.8	28.9	0	447
Hallway between 112 and 114	65.3	27.2	0	470
Hallway next to 301	61.7	31.4	0	481
Cafeteria	64.5	29.5	0	515
Outside Exterior EV Sample	52.0	32.5	0	483

PM - Particulate Matter size

°F – Degrees Fahrenheit

CO - Carbon Monoxide

ppm - parts per million

μg/m³ - micrograms per cubic meter

RH% - % Relative Humidity

CO<sub>2</sub> - 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.

Tables 3 summarizes airborne mold spore sampling results and locations. On December 9, 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: William Paca Elementary School - Measurements of Mold-in-Air Samples December 9, 2020 (7:30 AM-9:30 AM)

Spore Types	Hallway between 103 and 104	Hallway between 111 and 116	Hallway between 112 and 114	Hallway next to 301
Alternaria (Ulocladium)	-	-	-	-
Ascospores	-	-	-	-
Aspergillus/Penicillium	-	80	300	-
Basidiospores	80	100	40	-
Bipolaris++	-	-	-	-
Chaetomium	-	-	-	-
Cladosporium	40	50	-	-
Curvularia	-	-	-	-
Ерісоссит	-	-	-	-
Fusarium	-	-	-	-
Ganoderma	-	-	-	-
Myxomycetes++	40		40	-
Pithomyces++	-	-	-	-
Rust	-	10*	-	10*
Scopulariopsis/Microascus	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-
Unidentifiable Spores	-	-	-	-
Zygomycetes	-	-	-	-
Nigrospora	-	-	-	-
Hyphal Fragment	-	-	-	-
Insect Fragment	10*	-	-	-
Pollen	-	-	-	-
Total Fungi	170	240	380	10

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

<sup>++</sup>Includes other spores with similar morphology.



### Table 3: William Paca Elementary School – Measurements of Mold-in-Air Samples continued December 9, 2020 (7:30 AM-9:30 AM)

Spore Types	Cafeteria	Outside EXT EV sample	Field Blank
Alternaria (Ulocladium)	-	-	-
Ascospores	-	100	-
Aspergillus/Penicillium	40	300	-
Basidiospores	200	590	-
Bipolaris++	-	-	-
Chaetomium	-	-	-
Cladosporium	10*	40	-
Curvularia	-		-
Ерісоссит	-	-	-
Fusarium	-	-	-
Ganoderma	-	-	-
Myxomycetes++	30	-	-
Pithomyces++	-	-	-
Rust	-	40	-
Scopulariopsis/Microascus	-	-	-
Stachybotrys/Memnoniella	-	-	-
Unidentifiable Spores	-	-	-
Zygomycetes	-	-	-
Nigrospora	-	-	-
Hyphal Fragment	-	-	-
Insect Fragment	-	-	-
Pollen	-	-	-
Total Fungi	280	1070	No Trace

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

<sup>++</sup>Includes other spores with similar morphology.



#### **Findings and Conclusions**

The comfort parameters (i.e., temperature, RH, CO<sub>2</sub>, and CO levels) in the representative areas conform to ASHRAE and/or NAAQS guidelines with the exception of the temperature. On December 9, 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

Attention: Indika Jayatilake

**SaLUT** 

1818 New York Avenue, NE

Suite 231

Washington, DC 20002

Project: 19-035- William Paca ES

EMSL Order: 182004011 Customer ID: SALU50

Customer PO: Project ID:

Phone: (301) 595-3783

Fax: (301) 595-3787

Collected Date: 12/09/2020

Received Date: 12/10/2020 07:59 AM

**Analyzed Date:** 12/15/2020

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

Test Report:Air-C		82004011-0001			82004011-0002			82004011-0003	
Client Sample ID:		S1 75			S2 75		\$3 75		
Volume (L): Sample Location:							!		
		etween 103 and			etween 116 and			etween 112 and	
Spore Types	Raw Count	Count/M³	% of Total	Raw Count	Count/M <sup>3</sup>	% of Total	Raw Count	Count/M³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	-	-	-	-	-	-	-	-	-
Aspergillus/Penicillium	-	-	-	2	80	33.3	7	300	78.9
Basidiospores	2	80	47.1	3	100	41.7	1	40	10.5
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	1	40	23.5	4*	50*	20.8	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	1	40	23.5	-	-	-	1	40	10.5
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	1*	10*	4.2	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Pestalotia/Pestalotiopsis	1*	10*	5.9	-	-	-	-	-	-
Total Fungi	5	170	100	10	240	100	9	380	100
Hyphal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	1*	10*	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
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

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Samples analyzed by EMSL Analytical, Inc. Plymouth Meeting, PA AlHA-LAP, LLC-EMLAP Accredited #178659

Initial report from: 12/15/2020 09:54 AM



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EMSL Order: 182004011 Customer ID: SALU50

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**Phone**: (301) 595-3783

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Collected Date: 12/09/2020

Received Date: 12/10/2020 07:59 AM

**Analyzed Date:** 12/15/2020

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):		182004011-0004 182004011-0 S4 S5 75 75			82004011-0005 S5			82004011-0006 S6 75	
Sample Location:	Н	IW Next To 301			Cafeteria		Outside		
Spore Types	Raw Count	Count/M³	% of Total	Raw Count	Count/M³	% of Total	Raw Count	Count/M³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	-	-	-	-	-	-	3	100	9.3
Aspergillus/Penicillium	-	-	-	1	40	14.3	8	300	28
Basidiospores	-	-	-	4	200	71.4	14	590	55.1
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	1*	10*	3.6	1	40	3.7
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	2*	30*	10.7	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	1*	10*	100	-	-	-	1	40	3.7
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Pestalotia/Pestalotiopsis	-	-	-	-	-	-	-	-	-
Total Fungi	1	10	100	8	280	100	27	1070	100
Hyphal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	42	-	-	42	-	-	42	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	2	-	-	2	-	-	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

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Initial report from: 12/15/2020 09:54 AM



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Collected Date: 12/09/2020

Received Date: 12/10/2020 07:59 AM

**Analyzed Date:** 12/15/2020

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:	1	82004011-0007 S7 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	-	-	-	_		-	-		
Pestalotia/Pestalotiopsis	-	-	-	-		-	-		
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.

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Initial report from: 12/15/2020 09:54 AM

OrderID: 182004011



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

182004011

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

MARGRATORY - PRODUCTE	TRAMES	, -	_ • • •			-	AX:(000) / 00-	-0202			
Company Name:	Salut inc			EMSL-Bill to: Same Different if Bill to is Different note instructions in Comments							
Street: 1818 New		NE		Third Party Billing requires written authorization from third party.							
City: Washington	Zip/Postal Code:			Country:							
Report To (Name)	: Indika Jayatila	ke		Telephone #:							
Email Address: ija	ayatilake@salutir	nc.com		Fax #:			Purchase 0	rder:			
Project Name/Num	nber: 19-035- V	/illiam Paca Es	····	Please Provide R	esults:	☐ Fax [	] Email				
U.S. State Sample	s Taken: MD	Project	Zip Code: 207	785 Conne	ecticut Sa	mples: 🗌	Commercial	☐ Residential			
				ed: 🗌 Biocide Use							
Public \	Water Supply S			y automatically be		to DOH if	required by st	tate			
	f			Options - Please C							
☐ 3 Hour	☐ 6 Hour	24 Hour	48 Hour	72 Hour	] [] 9	6 Hour	1 Week	2 Week			
				y Test Codes	***\	M44E Cour	age Screen - Wa	stor (D/A***)			
M001 Air-O-Cell M030 Micro 5	M174 M	oldSnap lergenco-D		monas aeruginosa (Pre monas aeruginosa (MF		M116 Sew	age Screen - Wa	ater (MPN**)			
M041 Fungal Direct E		leigenco-b		ophic Plate Count oliform & <i>E. coli</i> (Coliler	+ D/A***)		age Screen - Sw age Screen - Sw				
M169 Pollen ID & En				oliform & E. coli (MFT*)			age Screen - Sw nicillin-resistant S				
M280 Dust Character	rization Level-1			diform & <i>E. coli</i> Enume	ration	(MRSA)	d graving non T	B Mwohactaria			
M281 Dust Character		ID & C	(Colilert MPN* M019 Fecal Co				a-growing non-i k Enumeration	B Mycobacteria			
M005 Viable Fungi- A M006 Viable Fungi- A				treptococcus (MFT*)			otoxin Analysis				
Aspergillus, Cladospo			M029 Enteroc	<i>occi</i> (MFT*) occi (Enterolert P/A***)		M044 Grou Dust Mite)	p Allergen (Cat,	Dog, Cockroach,			
Count) M007 Culturable fung	ii - Surface Sampl	es (Genus ID &	M180 Real Tin	ne qPCR-ERMI 36 Par	nel	Other See	Analytical Price				
Count)			M025 Sewage	M025 Sewage Screen –Water (MFT*)  Legionella Analysis Please use EMSL Legionella COC							
M008 Culturable fung Penicillium, Aspergillu						209.01.0110					
Species ID & Count)			*MFT= Membr	*MFT= Membrane Filtration Technique							
M009 Bacteria Culture M010 Bacteria Count			**MPN= Most	Probable Number							
M011 Bacteria Count			***P/A= Prese	nce/Absence							
Name of Sampler:	shenal Dias	3		Signature of Sam	pler:	5					
1	1		Sample	Potable/	Test	Volume/	Date/Time	Temperature			
Sample #	Sample Loc	ation/Description	Туре	NonPotable (Only for Waters)	Code	Area	Collected	(°C) (Lab Use Only)			
		· · · · · · · · · · · · · · · · · · ·	<b>†</b>				9/1/13				
Example A1	Kitchen Sink/		Water	⊠ P □NP	M017	100 mL	4:00 PM	* * * * * * * * * * * * * * * * * * *			
<u>\$1</u>	<del> </del>	een 103 & 104	Air	☐P □NP	M001	75ml	12/09/20				
S2	I HW between			l — —							
S3		een 116 & 111	ļ ·-	□ P □NP	-	и					
	HW betwe	een 112 & 114	11	☐ P □NP	H	n	*				
S4	HW betwee	een 112 & 114 ext to 301	11	☐ P ☐NP	N N	п	М				
	HW betwee	een 112 & 114	11	☐ P □NP	H H	11	N N				
S4	HW between HW r	een 112 & 114 ext to 301	11	☐ P ☐NP	" " " Sample	п	" d Chilled?	Yes / No			
\$4 \$5	HW between HW r	een 112 & 114 ext to 301	11	☐ P ☐ NP ☐ P ☐ NP ☐ P ☐ NP	" " " Sample	" " es Receive	" d Chilled?	Yes / No			
S4 S5 Client Sample # (s Relinquished (Clie Received (Lab):	HW between HW r Ca	een 112 & 114 eext to 301 afeteria	11	P NP P NP P NP Samples: 07	" " " Sample	" es Receive	" d Chilled?	Yes / No			
S4 S5 Client Sample # (s	HW between HW r Ca	een 112 & 114 eext to 301 afeteria	11	P NP P NP P NP Samples: 07	" " " Sample	" " es Receive Lab Use On	" d Chilled?	Yes / No			
S4 S5 Client Sample # (s Relinquished (Clie Received (Lab):	HW between HW r Ca	een 112 & 114 eext to 301 afeteria	11	P NP P NP P NP Samples: 07	" " " Sample	" " es Receive Lab Use On	" d Chilled?	- M			
S4 S5 Client Sample # (s Relinquished (Clie Received (Lab):	HW between HW r Ca	een 112 & 114 eext to 301 afeteria	11	P NP P NP P NP Samples: 07	" " " Sample	" " es Receive Lab Use On	" d Chilled?	2029			
S4 S5 Client Sample # (s Relinquished (Clie Received (Lab):	HW between HW r Ca	een 112 & 114 eext to 301 afeteria	" " Total # of 3	P NP P NP P NP Samples: 07 Date:	" " " Sample	" " es Receive Lab Use On	" d Chilled?	EMS E 2029			
S4 S5 Client Sample # (s Relinquished (Clie Received (Lab): Comments/Specia	HW between HW r Case:  Case:	een 112 & 114 next to 301 afeteria	Total # of 9	P NP P NP P NP Samples: 07 Date:	Sample	" es Receive Lab Use Onl Time:	d Chilled?	EMSL ANJ BELTS 2029 DEC			

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to EMSL Analytical, Inc. constitutes acceptance and acknowledgment of all terms and conditions by Customer.

OrderID: 182004011



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

182004011

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

Additional pages of the chain of custody are only necessary if needed for additional sample information.

Sample #	Sample Location/Description	Sample Type	Potable/ NonPotable (Only for Waters)	Test Code	Volume/ Area	Date/Time Collected	Temperature (°C) (Lab Use Only)
S6	Outside	Air	□ P □NP	M001	75ml	12/09/20	2000年度中央中央中央中央中央中央中央中央中央中央中央中央中央中央中央中央中央中央中央
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Comments/Special	Instructions:						

Page \_\_\_\_\_ of \_\_\_\_ of \_\_\_\_ 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.

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182004011

GEN-FM-10-1: Sample Transfer-One Time

Revision 4.2

Revision Date: 1/05/2016 Effective Date: 1/05/2016



## EMSL Analytical, Inc. Sample Transfer Form

Receiving Lab:	1			Phone Number:	3019375700	
				Fax	3019375701	
Relinquished to:	EMSL- PLYMOUTH MEETING			Number: Phone	8002203675	
•				Number:		
				Fax Number:	8567860262	,
Does new lab hold eq	uivalent or add	itional accre	ditation? *	100000	Yes No	
EMSL Customer ID # (if known):		SALU50				
Client Name:		SALUT INC				
Client Project:		19-035 - W	/ILLIAM PACA	ES		
Tests to be Performed	i:	M001				
Date Received:		12/10/20		·· - <u> </u>		3.1
Date Relinquished:	12/10/20					
Date Due:	3 DAYS - DUE 12/15/20					
Special Instructions:		<u> </u>	<u> </u>			
(e.g. Work Order # , re	•					
qualifications, project procedures/modification						
Religquished by (Sign		Date:	Received by	(Signature):		Date:
L. Gomenth		12/10/20			12-18-20	
Rélihquished by (Sign	ature):	Date: Received by (Signature):				Date:
above named receiving	g lab to transfei	r samples to	a separate EN	/ISL lab with e	equivalent qualifi	w, you agree to permit the cations* for analysis. The
Name (please print):	ied from the an	Signature:			ments are listed	in special instructions.  Date:
Name (please print):		Signature.		Age	int of:	Date.
If this is a recurring pro	•	type that m	ay require san	nples to be re	linquished on a r	egular basis, a Standing

\* 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.

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