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

Carmody Hills Elementary School

401 Jadeleaf Avenue

Capitol Heights, MD 20743

Mr. Baylor:

On December 9, 2020, a Soil and Land Use Technology, Inc. (SaLUT) Industrial Hygienist conducted an indoor air quality (IAQ) evaluation at Carmody Hills Elementary School, a property maintained by Prince George's County Public Schools (PGCPS) located at 401 Jadeleaf Avenue, Capitol Heights, MD 20743. The inspection was performed in accordance with PGCPS contract number IFB 022-19.

#### <u>Methodology</u>

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 Carmody Hills Elementary School, visited on December 9, 2020.

**Table 1-Observations** 

Location	Summary of Observations 12-9-2020
Cafeteria	2'x4' ceiling tiles and 1'x1' tile floor;
	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 120	2'x4' ceiling tiles and 1'x 1' tile floor;
and J-2	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 128	2'x4' ceiling tiles and 1'x 1' tile floor;
and 129	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 140	2'x4' ceiling tiles and 1'x 1' tile floor;
and 141	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 158	2'x4' ceiling tiles and 1'x 1' tile floor;
and 159	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 429 ppm therefore indoor concentrations should not exceed approximately 1,129 ppm (700 + 429). The maximum average interior CO<sub>2</sub> concentration detected was 721 ppm in the Cafeteria, a range within the ASHRAE recommendations, per Table 2 below.

#### Carbon Monoxide (CO)

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

Table 2: Carmody Hills Elementary School, Instrumental Screening Levels December 9, 2020 (7:30 AM-9:30 AM)

Sample Location	Temp <sup>0</sup> F	RH%	CO ppm	CO <sub>2</sub> ppm
Standards	ASHRAE 68 to 75°F*	ASHRAE <65%	NAAQS 9	ASHRAE 1,129
Cafeteria	67.9	25.0	0	721
Hallway Between 120 and J-2	62.6	27.6	0	452
Hallway Between 128 and 129	64.8	31.5	0	603
Hallway Between 140 and 141	60.3	29.5	0	449
Hallway Between 158 and 159	66.2	31.5	0	600
Outside Exterior EV Sample	46.4	39.4	0	429

PM - Particulate Matter size

°F – Degrees Fahrenheit

CO - Carbon Monoxide

ppm - parts per million

μg/m<sup>3</sup> – micrograms per cubic meter

RH% - % Relative Humidity

CO<sub>2</sub> - Carbon Dioxide

\* - 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 with the exception of the cafeteria. Laboratory analysis follows this report (see attachment).

Table 3: Carmody Hills Elementary School - Measurements of Mold-in-Air Samples December 9, 2020 (7:30 AM-9:30 AM)

Spore Types	Cafeteria	Hallway Between 120 and J-2	Hallway Between 128 and 129	Hallway Between 140 and 141
Alternaria (Ulocladium)	-	-	-	-
Ascospores	-	40	-	-
Aspergillus/Penicillium	40	40	-	40
Basidiospores	-	200	100	80
Bipolaris++	-	-	-	-
Chaetomium	-	-	-	-
Cladosporium	14,100	-	-	-
Curvularia	-	-	-	-
Ерісоссит	-	-	-	-
Fusarium	-	-	-	-
Ganoderma	-	-	-	-
Myxomycetes++	-	-	-	-
Pithomyces++	-	-	-	-
Rust	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-
Unidentifiable Spores	-	-	-	-
Zygomycetes	-	-	-	-
Nigrospora	40	-	-	-
Hyphal Fragment	-	-	-	40
Insect Fragment	-	-	-	-
Pollen		-	-	-
Total Fungi	14,180	280	100	120

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

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



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

Spore Types	Hallway Between 158 and 159	Outside EXT EV Sample	Field Blank
Alternaria (Ulocladium)	-	-	-
Ascospores	-	-	-
Aspergillus/Penicillium	-	-	-
Basidiospores	200	300	-
Bipolaris++	-	-	-
Chaetomium	-	-	-
Cladosporium	-	-	-
Curvularia	-	40	-
Ерісоссит	-	40	-
Fusarium	-	-	-
Ganoderma	-	-	-
Myxomycetes++	-	40	-
Pithomyces++	-	-	-
Rust	-	-	-
Scopulariopsis/Microascus	-	-	-
Stachybotrys/Memnoniella	-	-	-
Unidentifiable Spores	-	170	-
Zygomycetes	-	-	-
Nigrospora	-	-	-
Hyphal Fragment	-	10	-
Insect Fragment	-	-	-
Pollen		-	
Total Fungi	200	600	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/m<sup>3</sup> of air) in all the areas inspected were lower than the outdoor concentrations with the exception of the cafeteria, indicating amplified mold growth.

#### Recommendations

Based on the observations, mold spore results, and the results of the indoor air quality parameters tested at Carmody Hills Elementary School, SaLUT recommends the following measures to address the indoor air quality concerns documented:

1. Thoroughly clean dusty air vents in the affected areas.

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- Carmody Hills ES

EMSL Order: 182004012 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 08:00 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):	182004012-0001 \$1 75				82004012-0002 S2 75			82004012-0003 S3 75			
Sample Location:		Cafeteria		HW B	etween 159 and	158	HW B	HW Between 120 and J-2			
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	0.3	-	-	-	1	40	14.3		
Basidiospores	-	-	-	5	200	100	4	200	71.4		
Bipolaris++	-	-	-	-	-	-	-	-	-		
Chaetomium	-	-	-	-	-	-	-	-	-		
Cladosporium	335	14100	99.4	-	-	-	-	-	-		
Curvularia	-	-	-	-	-	-	-	-	-		
Epicoccum	-	-	-	-	-	-	-	-	-		
Fusarium	-	-	-	-	-	-	-	-	-		
Ganoderma	-	-	-	-	-	-	-	-	-		
Myxomycetes++	-	-	-	-	-	-	-	-	-		
Pithomyces++	-	-	-	-	-	-	-	-	-		
Rust	-	-	-	-	-	-	-	-	-		
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-		
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-		
Unidentifiable Spores	-	-	-	-	-	-	-	-	-		
Zygomycetes	-	-	-	-	-	-	-	-	-		
Nigrospora	1	40	0.3	-	-	-	-	-	-		
Torula-like	-	-	-	-	-	-	-	-	-		
Total Fungi	337	14180	100	5	200	100	6	280	100		
Hyphal Fragment	-	-	-	-	-	-	-	-	-		
Insect Fragment	-	-	-	-	-	-	-	-	-		
Pollen	-	-	-	-	-	-	-	-	-		
Analyt. Sensitivity 600x	-	42	-	-	42	-	-	42	-		
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-		
Skin Fragments (1-4)	-	1	-	-	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 12:38 PM



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**EMSL Order:** 182004012 **Customer ID:** SALU50

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**Collected Date: 12/09/2020** 

Received Date: 12/10/2020 08:00 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):	S4 75			182004012-0005 S5 75			18	32004012-0006 S6 75	
Sample Location:	HW B	etween 128 and	129	HW Be	etween 141 and	140		Outside	
Spore Types	Raw Count	Count/M³	% of Total	Raw Count	Count/M³	% of Total	Raw Count	Count/M³	% of Total
Alternaria (Ulocladium)	-	-	<u> </u>	-	-	-	- '	-	-
Ascospores	-	-	-	-	-	-	-	-	-
Aspergillus/Penicillium	-	-	-	1	40	33.3	-	-	-
Basidiospores	3	100	100	2	80	66.7	6	300	50
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	-	-	-	-	-	-
Curvularia	-	-	-	-	-	-	1	40	6.7
Epicoccum	-	-	-	-	-	-	1	40	6.7
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	3*	40*	6.7
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	13*	170*	28.3
Zygomycetes	-	-	-	-	-	-	-	-	-
Nigrospora	-	-	-	-	-	-	-	-	-
Torula-like	-	-	-	-	-	-	1*	10*	1.7
Total Fungi	3	100	100	3	120	100	25	600	100
Hyphal Fragment	-	-	-	1	40	-	1*	10*	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	42	-	-	42	-	-	42	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	1	-	-	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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Collected Date: 12/09/2020

Received Date: 12/10/2020 08:00 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	82004012-0007 S7 Field Blank							
Spore Types	Raw Count	Count/M³	% of Total	-	-	-	-	-	-
Alternaria (Ulocladium)	-	-	-	-	-	<b>'</b>	-		-
Ascospores	-	-	-	-			-		
Aspergillus/Penicillium	-	-	-	-			-		
Basidiospores	-	-	-	-			-		
Bipolaris++	-	-	-	-			-		
Chaetomium	-	-	-	-			-		
Cladosporium	-	-	-	-					
Curvularia	-	-	-	-			-		
Epicoccum	-	-	-	-			-		
Fusarium	-	-	-	-			-		
Ganoderma	-	-	-	-			-		
Myxomycetes++	-	-	-	-			-		
Pithomyces++	-	-	-	-			-		
Rust	-	-	-	-			-		
Scopulariopsis/Microascus	-	-	-	-			-		
Stachybotrys/Memnoniella	-	-	-	-			-		
Unidentifiable Spores	-	-	-	-			-		
Zygomycetes	-	-	-	-			-		
Nigrospora	-	-	-	-			-		
Torula-like	-	-	-	-			-		
Total Fungi	-	No Trace	_	-			-		
Hyphal Fragment	-	-	-	-			-		
Insect Fragment	-	-	-	-					
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	0	-	-	-	-	-	-	
Analyt. Sensitivity 300x	-	0*	-	-			-		
Skin Fragments (1-4)	-	-	-	-			-		
Fibrous Particulate (1-4)	-	-	-	-			-		
Background (1-5)	-	-	-	-					

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

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Initial report from: 12/15/2020 12:38 PM

OrderID: 182004012



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

182004012

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

Company Name: Salut inc					EMSL-Bill to: Same Different If Bill to is Different note instructions in Comments					
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City: Washington	s	state/Province: Do	3	Zip/Po	ostal Code:			Country:		
Report To (Name)	; Indika Jayatilak	(e		Telep	hone #:_					
Email Address: ija	yatilake@salutin	c.com		Fax #	:			Purchase Or	der:	
Project Name/Nun	n <b>ber:</b> 19-035- C	armody Hills ES		Pleas	e Provide Re	esults:	☐ Fax [	] Email		
U.S. State Sample			Zip Code: 207						Residential	
		Thiosulfate Prese								
Public \	Water Supply S	amples: 🔲 Note:				<del>-</del>	to DOH if i	required by st	ate.	
	□ C Herm		nd Time (TAT)				6 Hour	☐ 1 Week	2 Week	
☐ 3 Hour	☐ 6 Hour	24 Hour	☐ 48 Hour Microbiolog		72 Hour	<del>y</del>	o nour	☐ i week	☐ 2 <b>VV</b> 00K	
M001 Air-O-Cell	M174 Mc	ldSnan	M012 Pseudor			***)	M115 Sewa	age Screen - Wa	ter (P/A***)	
M030 Micro 5		ergenco-D	M024 Pseudor	nonas ae	eruginosa (MF		M116 Sewa	age Screen - Wa	ter (MPN**)	
M041 Fungal Direct E		<del></del>	M015 Heterotro M017 Total Co			P/A***)	M013 Sewa	age Screen - Sw age Screen - Sw	ab (MFT*)	
M169 Pollen ID & En			M018 Total Co M114 Total Co	liform & /	E. coli (MFT*)		M133 Meth (MRSA)	icillin-resistant S	taph. aureus	
M280 Dust Character M281 Dust Character			(Colilert MPN*	")		auvii	M031 Kapi	d-growing non-T	B Mycobacteria	
M005 Viable Fungi- A	ùr Samples (Genu		M019 Fecal Co M020 Fecal St					Enumeration toxin Analysis		
M006 Viable Fungi- A Aspergillus, Cladospo			M029 Enteroco	occi (MF1	Γ*)				Dog, Cockroach,	
Count)		•	M129 Enteroco			ام	Dust Mite)	Analytical Price	Guide	
M007 Culturable fung Count)	i - Surface Sample	es (Genus ID &		ne qPCR-ERMI 36 Panel Screen -Water (MFT*)  Other See Analytical Price Guide Legionella Analysis Please use EMSL						
M008 Culturable fung				Legionella COC						
Penicillium, Aspergillu Species ID & Count)	is, Cladosporium,	Stachybotrys	**457 ***		TL.:	_				
M009 Bacteria Cultur			*MFT= Membr **MPN= Most I			е				
M010 Bacteria Count M011 Bacteria Count			***P/A= Preser	nce/Abse	nce			_ 1		
Name of Sampler:	shenal Dias	·		Signature of Sampler:						
Name of Sampler:	T SHOHAI DIAS		<u> </u>		ture of Sam otable/				Temperature	
Sample #	Sample Loca	ition/Description	Sample Type	No	nPotable	Test Code	Volume/ Area	Date/Time Collected	(C)	
			1,75	(Only	for Waters)		y Bolista	9/1/13	(Lab Use Only)	
Example A1	Kitchen Sink/T	ар	Water	⊠P	□NP	M017	100 mL	4:00 PM		
S1	Ca	fetaria	Air	□Р	□NP	M001	75ml	12/09/20		
S2	HW betwee	en 159 and 158	n	□Р	□NP		#			
S3	HW betw	een 120 & j-2		□Р	□NP	**	H.	я	10 10 10 10 10 10 10 10 10 10 10 10 10 1	
S4	HW betwee	en 128 & 129	*	□Р	□NP	"	7	•		
<b>\$</b> 5						n	п	#		
Client Sample # (s): - Total # of							Received Chilled? Yes / No o Use Only)			
Client Sample # (s	s): -		Total # of \$	Sample	s: 07		s Receive Lab Use Onl		res / No	
Relinquished (Cli		1 0	Total # of S	Sample:	s: 07				res / No	
Relinguished (Click Received (Lab):	one): y	the grop B	Total # of \$	<del> </del>	s: 07		Lab Use Onl		res / NO	
Relinquished (Cli	one): y	t Drop B	Total # of \$	Date:	s: 07		Lab Use Onl		res / No	
Relinguished (Click Received (Lab):	one): y	t Drop B	Total # of \$	Date:	s: 07		Lab Use Onl			
Relinguished (Click Received (Lab):	one): y	t Drop B	Total # of \$	Date:	s: 07		Lab Use Onl	y)	2020	
Relinquished (Click Received (Lab):	one): y	t Drop B	Total # of \$	Date:	s: 07		Lab Use Onl	y)	EMS	

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

OrderID: 182004012



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

182004012

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 (Ø) (Leb Lise Conty)
S6	Outside	Air	□ P □NP	M001	75ml	12/09/20	
S7	Field Blank	54	□ P □NP	11	11	"	
			☐P □NP				
			☐ P ☐NP				
			□ P □NP				
			□ P □NP				
			□ P □NP				
			☐ P ☐NP				
			□ P □NP		_		
			□ P □NP				
		······································	□ P □NP				
	·		P DNP				
			P NP	<b> </b>			
			P NP				
			P DNP				
			P DNP				
			P DNP				
				<u> </u>			
			P NP				
			P NP	<del>                                     </del>		,	
			P NP				
			P NP				
			P NP			<u></u>	
Comments/Special	Instructions:	<u> </u>	P NP	<u> </u>		<u> </u>	

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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OrderID: 182004012

EMSL.

### 182004012

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:	EMSL- BELTSV	ILLE		Phone	3019375700			
				Number:	2010275701			
	1			Fax Number:	3019375701			
Relinquished to:	EMSL- PLYMO	UTH MEETI	NG	Phone	8002203675			
				Number:				
				Fax	8567860262			
Does new lab hold eq	l Vivolent er add	itional acco	* Constant	Number:	Myon Dala			
EMSL Customer ID #	uivalent or add	SALU50	editations		Yes No			
(if known):		372030						
Client Name:		SALUT INC	<u> </u>					
Client Project:		19-035 - 0	ARMODY HILL	S ES				
Tests to be Performed	<u> </u>	M001						
Date Received:	· · · · · · · · · · · · · · · · · · ·	12/10/20	····					
		,,						
Date Relinquished:	·	12/10/20						
Date Due:		3 DAYS - D	YS - DUE 12/15/20					
						· · · · · · · · · · · · · · · · · · ·		
Special Instructions:								
(e.g. Work Order # , re qualifications, project	•					i		
procedures/modificati		ļ						
Relinquished by (Signa	<u></u>	Date:	Date:					
	•		Received by		1			
A. Hosworth		12/10/20				12.11.00		
Relinquished by (Signa	ature):	Date:	Received by	(Signature):		Date:		
Customer Agreement-	Please sign for	m and send	(   to the receivi	ng laboratory	. By signing below, vo	ou agree to permit the		
above named receiving	_			-		<del>-</del>		
final report will be issu	ied from the an	alyzing labo	ratory. Ensur	e any require	ments are listed in sp	ecial instructions.		
Name (please print): Signature:			Age	nt of:	Date:			
		[						
If this is a recurring pro	oject or sample	type that m	ay require san	ples to be re	linquished on a regula	or basis, a Standing		
Agreement form must	be completed							

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.

<sup>\*</sup> Receiving and analyzing labs shall be aware of required qualifications of project prior to transfer of samples.