LIMITED INDOOR AIR ASSESSMENT REPORT

MUSCOGEE COUNTY JAIL

700 E 10TH ST
COLUMBUS, GEORGIA 31901

Prepared For:

VentorLux, LLC
1210 43rd Street
Phenix City, Alabama 36867

Prepared by:

ERRM, LLC
7972 Hampton Cove Drive
Ooltewah, Tennessee 37363

May 14, 2025

TABLE OF CONTENTS

Appendices:

SECTION 1.0 – LIMITED INDOOR AIR ASSESSMENT

1.1 INTRODUCTION

VentorLux LLC contracted ERRM, LLC to collect indoor samples to determine the efficacy of its **Soulis** air sanitizer. This device uses proprietary UV technology and whisper quiet operation to kill bacteria, virus-causing agents, airborne pathogens, and mold. The scope of this Indoor Air Assessment (IAA) was limited to one location within the Muscogee County Jail, that was operational at the time of this assessment. The location was mutually agreed upon by VentorLux company leadership and jail management personnel.

The testing consisted of the use of two (2) Anderson Impinger Microbial Air Samplers that direct air flow over a petri dish one with a Malt Extract Agar (MEA) plate and one with a Tryptic Soy Agar with blood (TSAB) plate. Airborne fungi/bacteria are then trapped on the dishes to be cultured (grown under controlled laboratory conditions) at EMSL, Inc Laboratory facilities. This media allows for the isolation of viable (live) pathogenic fungi (from a wide variety) and bacteria that are identified and counted by EMSL laboratory personnel and reported to ERRM, LLC.

1.2 FIELD ACTIVITIES

PEC Room – Prisoner Intake Area

The room is located centrally on the south side of the jail with a physical address of 700 E 10th Street in Columbus, Georgia. The room is approximately 1200 sq.ft. with attached rooms for storage of prisoner belongings, office, and laundry. There was a water leak in the adjoining storage room that had started reportedly 2 years ago or more. The baseline testing, prior to starting the Soulis unit was conducted on November 12, 2024. The room was very active, therefore the recorded timeline of activity during the testing procedure is presented as follows:

November 12, 2024

9:30-9:35 Baseline air sample collected on MEA and TSAB plates
9:35 SOULIS started up immediately after baseline air samples were completed
9:36 3 prisoners and 2 officers enter
9:37 3 prisoners 1 officer leave
9:40 2 prisoners and 1 officer enter
9:43 all exit 1 employee is present in adjoining office
9:45 2 prisoners and 1 officer enter
9:49 all exit
9:53 1 officer enters
9:54 1 prisoner and 1 officer enter
9:55 2 officers enter in 1 exits within a minute

9:57 2 officers in 2 out within a minute
9:55 1 prisoner enters with 1 officer and then exits within a minute
9:59 2 officers enter 1 prisoner exits with 1 officer 1 officer remains
10:03 officer exits
10:06 officer enters
The traffic was expected to diminish and therefore a sample was collected at approximately 30 minutes into the testing using MEA and TSAB auger plates
10:07 start sample within 20 seconds 6 prisoners and 2 officers enter
10:08 another officer enters
10:10 1 prisoner and 1 officer exit
10:11 1 officer and 1 worker enter and 1 officer out within a minute
10:12 1 officer enters with 5 additional prisoners
10:13 3 prisoners and 1 officer exit
10:15 all exit except for 1 employee and 3 officers
10:16 The officers and employee all exit except 1 officer, leaving only 1 officer present
10:19 1 employee enters 1 using an alternate entrance from the adjoining laundry room
10:21 employee exits back through into laundry room
10:22 employee enters and into adjoining office
10:30 1 officer enters
10:35 1 officer and 1 prisoner enter
10:36 1 officer and 1 prisoner exit
10:38 2 prisoners and 1 officer enter
10:41 prisoners all exit with officer and 1 officer enters
10:42 2 officers enter
10:43 2 officers enter and 3 officers' exit
10:44 all officer exit except for 1 officer remaining
10:49 2 officers enter
Since the unit has been running over an hour and no prisoners have entered in over 10 minutes it was decided to collect another sample.
10:58 start sampling starts and an officer walks by the sampler twice within the first minute and leaves room now 2 officers remain
11:00 1 officer exits
11:02 1 officer enters and the 2 are seated at desks approximately 8 feet away from the samplers

The sampling referenced in the timeline was completed by ERRM, LLC using two (2) rotary vane pumps field calibrated on November 12, 2024, to 28.3 liters per minute (LPM) for MEA and TSAB Agar plates. The technician collected six (6) separate five-minute samples over the course of 1.5 hours.

1. Before evaluating the Soulis air sanitizer device technicians collected a five-minute sample using the Anderson Impinger to collect the requisite air volume to establish a baseline reading of the MEA and TSAB Agar plates' airborne bacteria and pathogenic fungi.
2. With the baseline sample completed, the Soulis air sanitizer was then engaged. Subsequently, samples were collected with the Anderson Impinger (each sample was a five-minute collection period) that occurred after approximately 30- and 180-minute times following the Soulis startup. The prisoner intake area was allowed to operate without interruption.

On April 16, 2025, ERRM, LLC arrived to collect a follow-up sample of air within the PEC room. The Soulis unit had reportedly remained in operation within this room running 24 hours per day and 7 days per week.

The sampling was again completed by ERRM, LLC using two (2) rotary vane pumps field calibrated on April 16, 2025, to 28.3 liters per minute (LPM) for MEA and TSAB Agar plates using Anderson samplers. The sampling began at 10:26 am and completed at 10:31 am. During this tie two inmates were present with one utilizing the phone next to the Anderson samplers during the sample interval. Additionally, the room had five (5) officers present and three (3) others that passed through into and out of the storage room as well as ERRM, three Ventorlux personnel and two (2) health department officials AnQuavis Simpson and Brandi Nelson.

During the sampling it was agreed with AnQuavis and Brandi to collect a sample from the adjoining laundry room that operates with its doors normally closed and did not have a Soulis unit operational with the room. The sampling was conducted in the same manner as the PEC room, however only Ventorlux, Health Department and ERRM were present during the sampling (7 people total). The samples were collected from 10:49-10:31 am.

2.0 RESULTS

PEC Room – Prisoner Intake Area

DAY 1

The Soulis air sanitizer proved effective at cleaning the air within the prisoner intake area. The unit eliminated two species completely and reduced the total bacteria (that included Staph) by approximately 90%, doing so with all the activity detailed above.

DAY 155

The Soulis air sanitizer continued to prove effective at cleaning the air within the prisoner intake area. When compared to the background sample collected prior to the Soulis unit being started the unit eliminated 100% of the mold and bacteria species identified during in the background sample.

The charts shown below include all species in all samples. The results are very impressive given that the room was occupied with personnel and inmates moving around and passing by the samplers during sample collection. Ignoring background species and including all species identified these charts show that the Soulis unit provides a minimum of a 90% kill rate, given the mold present in the adjacent open room and the number of people moving through the room constantly hour after hour non-stop (as relayed by officers) this one unit is performing beyond expectation.

Laundry Room

The sample results from the laundry room identified Arthrinium sp., Cladosporium sp., Periconia sp., Rhinocladiella sp., and Sterile(white) mold species and Microbacterium sp., Micrococcus sp., and Rhodococcus sp. bacteria.

It is important to note that with the same personnel and more importantly ERRM, LLC performing the sample collection and handling the species in the Laundry Room were not identified in the PEC room sample collected approximately 30 minutes prior, substantiating that the sample results in the PEC room were likely due to the inmate using the phone next to the sampler.

These results reveal that the Soulis creates and maintains a safe environment well below regulatory recommendations for a safe living/work environment for workers and prisoners.

FIGURE. Soulis Performance Charts –ALL IDENTIFIED Culturable Air Bacteria, November 12, 2024, and April 16, 2025:

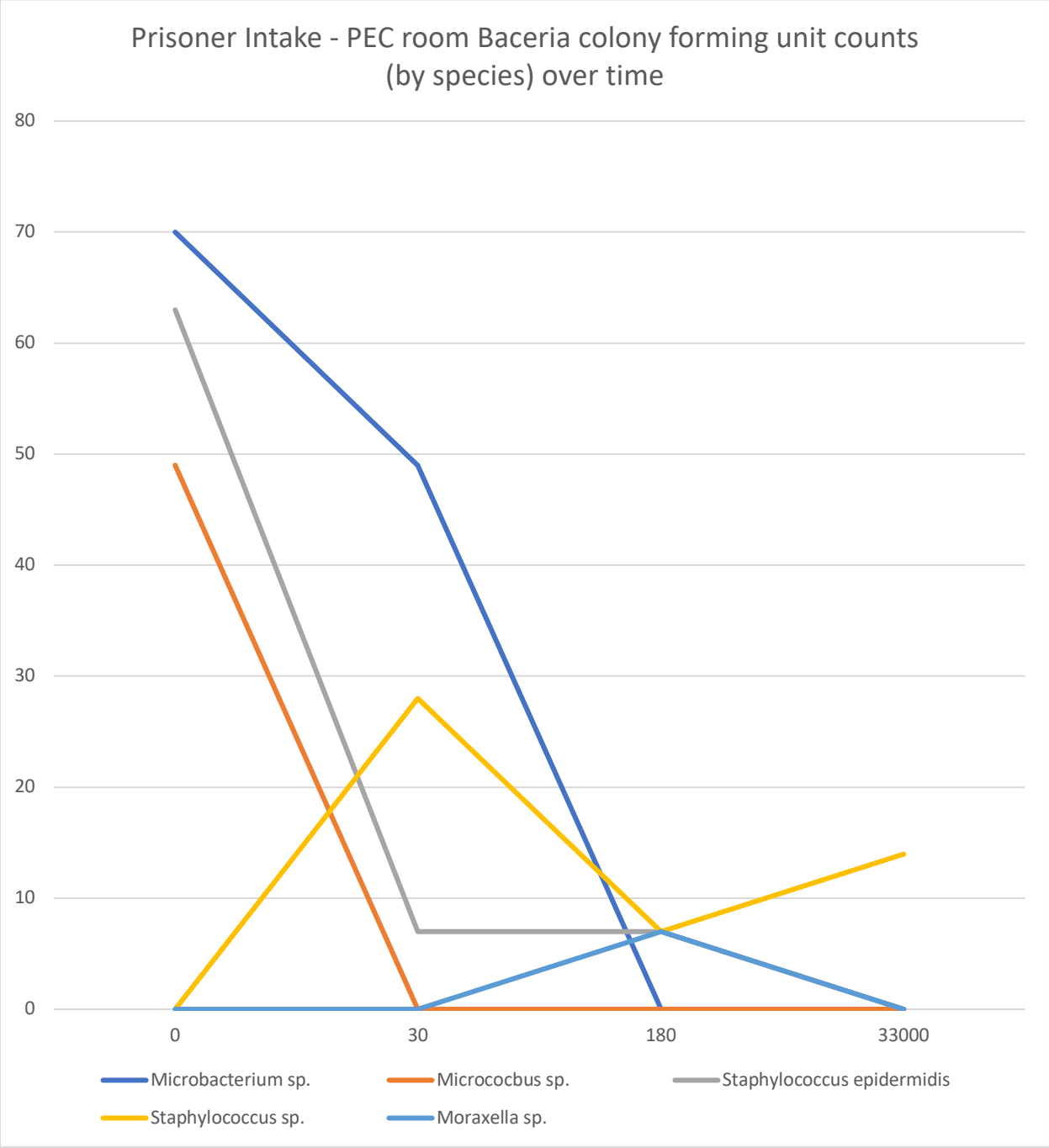
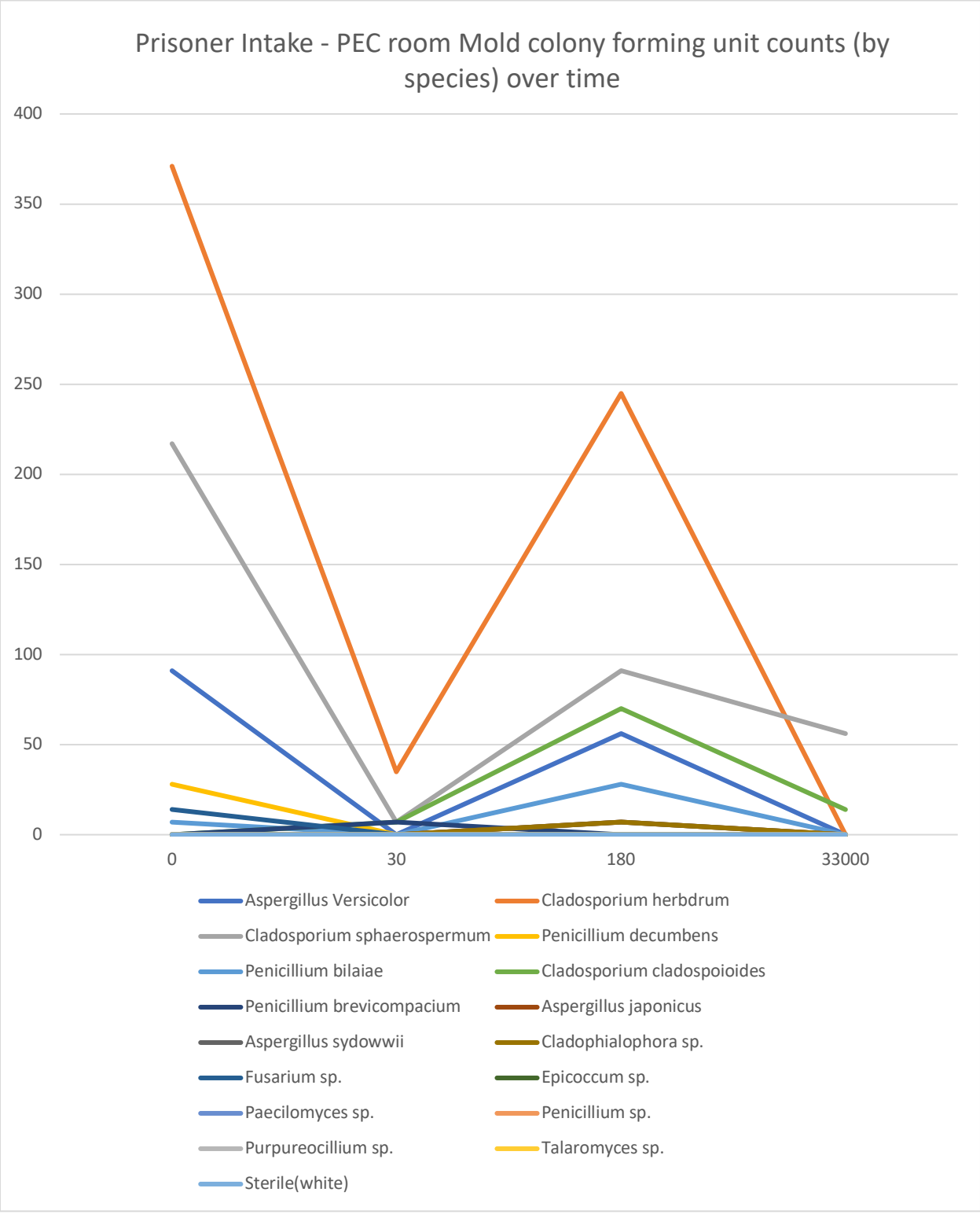


FIGURE. Soulis Performance Charts –ALL IDENTIFIED mold species, November 12, 2024, and April 16, 2025:



3.0 CONCLUSIONS

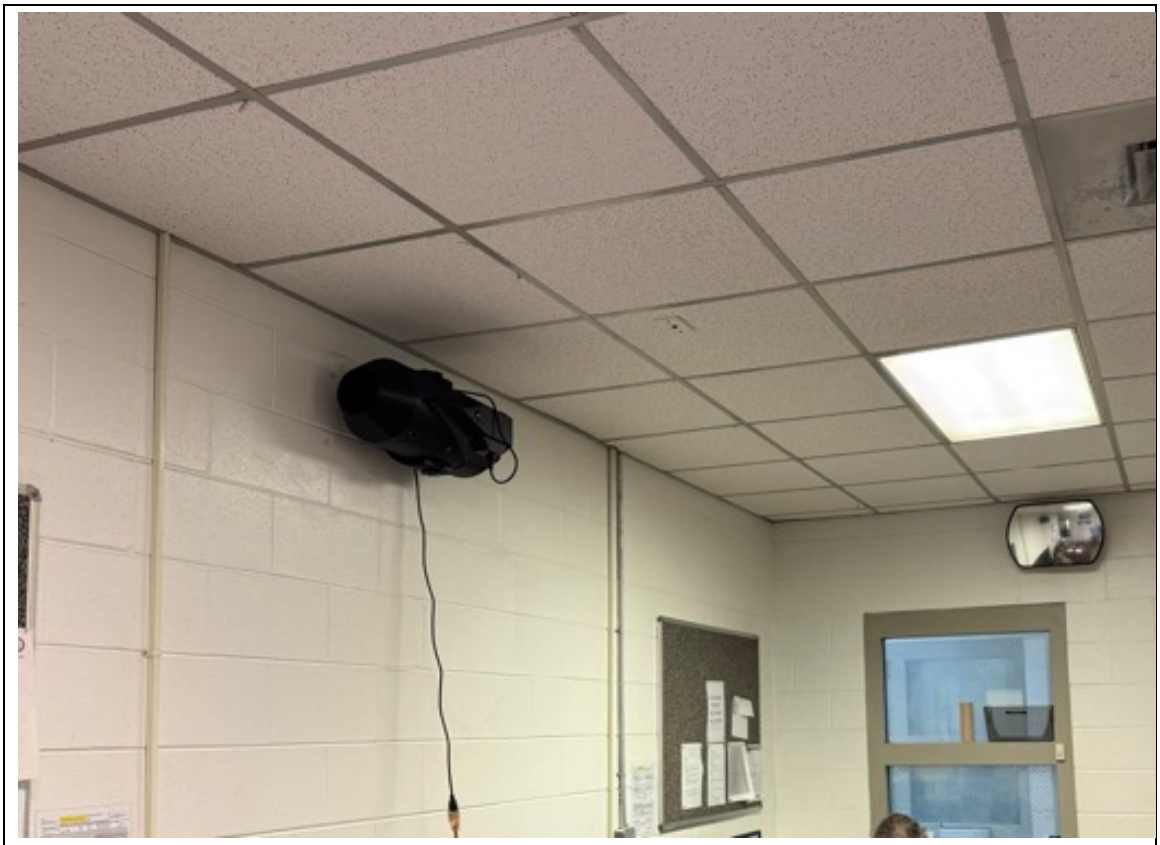
The data collected shows that in varying environments, presented above, the Soulis unit is highly effective in killing mold and bacteria. Eradication is found, even with the facilities in operation and uncontrolled conditions described above. The efficacy is 100% and over 90% when all species are shown in the graphs.

With the Soulis results against the various Culturable Air fungi and bacteria, it would be logical to conclude this air sanitizing device would be highly effective against active mold growth and the spread of bacteria and diseases in similar structures that included newer and aging infrastructure with mold present due to broken or sub-optimal air handling systems. It would also be reasonable to conclude that this device would be effective in a remediation role, responding to inadequate or deteriorated utility systems.

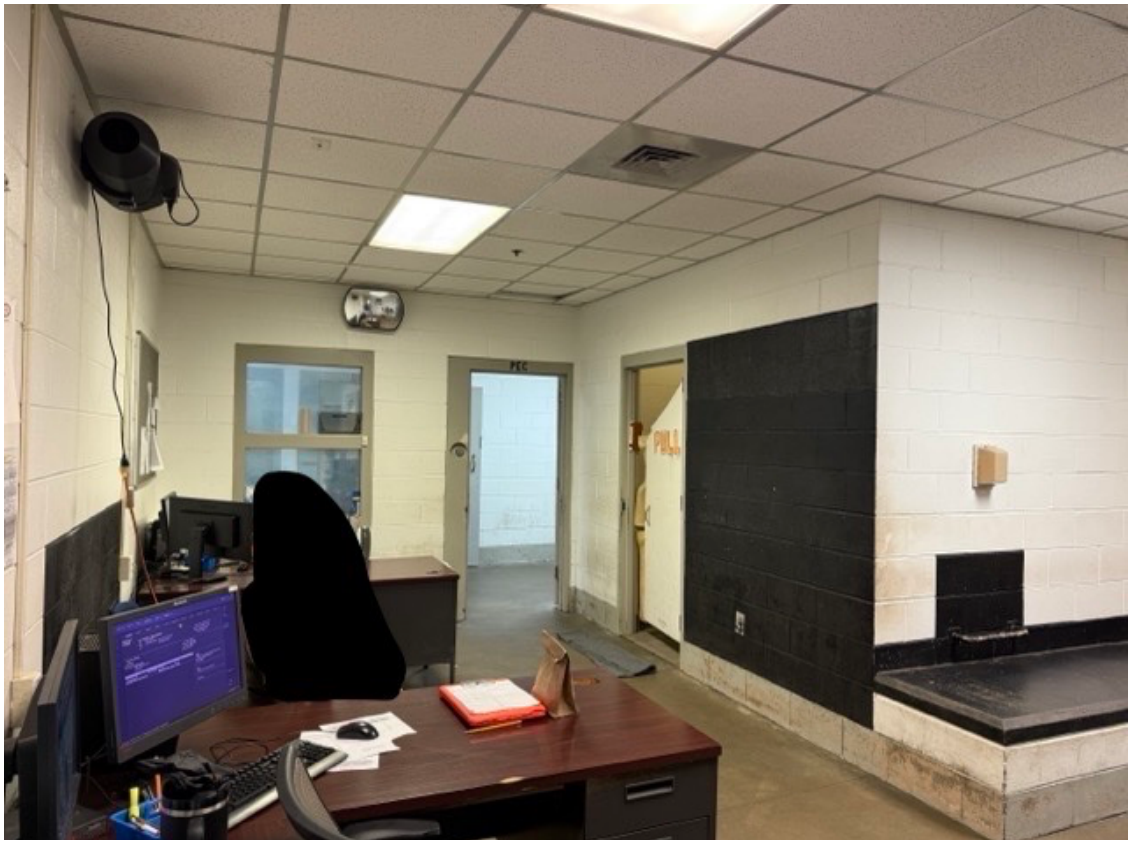
The bacterial killing aspect of the Soulis unit is beyond words as the implication of human safety from unknown bacterial diseases and viruses/infections, human transmission, etc. could be nearly eradicated if the units are deployed systematically throughout the building(s).

APPENDIX A

PHOTO LOG



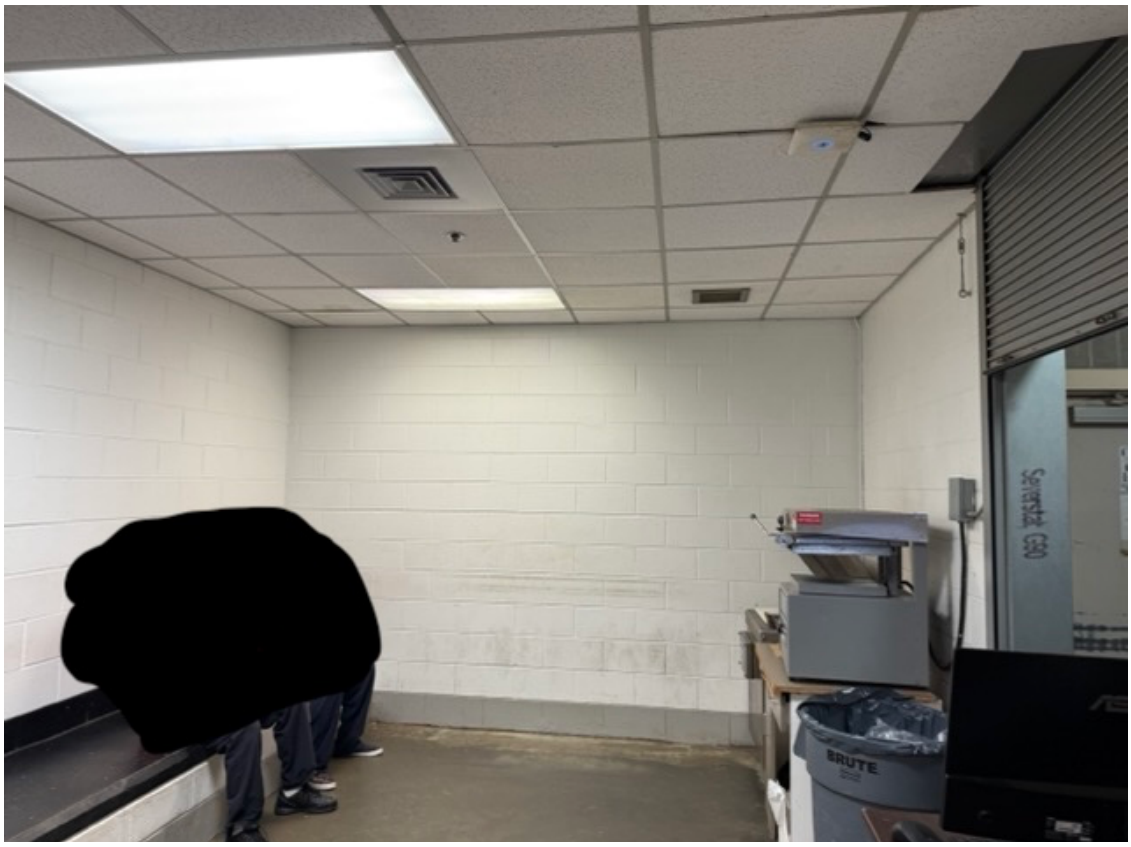
SOULIS UNIT (mounted and turned on after background sample was collected)



PEC room main entrance inmate seating on black ledge (right side of photo)

Storage area adjoining PEC room (the door is always open)

Water damage and mold visibly present in storage room area



PEC room

Sampling equipment and location

APPENDIX B

LABORATORY DATA

EMSL Analytical, Inc.
2500 Gateway Centre Blvd., Suite 600, Morrisville, NC 27560
Phone/Fax: (919) 465-3900 / (919) 465-3950
http://www.EMSL.com raleighlab@emsl.com

EMSL Order:	292502315
CustomerID:	ERRM75
CustomerPO:	
ProjectID:	

Attn: **Michael Kendall, P.G.**
Environmental Risk & Resource Management
7972 Hampton Cove Dr
Ooltewah, TN 37363

Phone:	(615) 428-1316
Fax:	
Received:	4/23/2025 10:00 AM
Analysis Date:	5/1/2025
Collected:	4/16/2025

Project: **Columbus Jail 241364**

Test Report: Identification and Enumeration of Culturable Bacteria by Air (Three Most Prominent Types (EMSL Method MICRO-SOP-132))

Sample Description	Location	Volume (L)	Media	Incubation Temp (C)	Sensitivity (CFU/m³)	Bacteria Identification	Colony Count	CFU/m³
PEC	Prisoner Intake Area	141.5	TSAB	35	7	*Staphylococcus sp.*	2	14
292502315-0003						**Total**	**2**	**14**
Fungi present.								
Laundry	Jail Laundry Room	141.5	TSAB	35	7	*Microbacterium sp.*	4	28
292502315-0004						*Micrococcus sp.*	5	35
Fungi present.						*Rhodococcus sp.*	4	28
						Total	**13**	**91**

No discernable blank was submitted with this group of samples.

Analyst(s)

Rebecca Stewart (2)

Billy Barnes, Laboratory Manager
or other approved signatory

Initial report from 05/02/2025 09:06:30

EMSL Analytical, Inc.
2500 Gateway Centre Blvd., Suite 600, Morrisville, NC 27560
Phone/Fax: (919) 465-3900 / (919) 465-3950
http://www.EMSL.com raleighlab@emsl.com

EMSL Order: 292502315
CustomerID: ERRM75
CustomerPO:
ProjectID:

Attn: **Michael Kendall, P.G.**
Environmental Risk & Resource Management
7972 Hampton Cove Dr
Ooltewah, TN 37363

Phone: (615) 428-1316
Fax:
Received: 4/23/2025 10:00 AM
Analysis Date: 5/8/2025
Collected: 4/16/2025

Project: **Columbus Jail 241364**

Test Report: Viable Fungi Identification and Enumeration from Impactors (Including Speciation of Penicillium, Aspergillus, Cladosporium and Stachybotrys (EMSL Method MICRO-SOP-202)

Sample Description	Location	Volume (L)	Media	Incubation Temp (C)	Sensitivity (CFU/m³)	Fungal Identification	Colony Count	CFU/m³
PEC	Prisoner Intake Area	141.5	MEA	25	7	*Cladosporium cladosporioides*	2	14
292502315-0001						*Cladosporium sphaerospermum*	8	56
						Epicoccum sp.	1	7
						Paecilomyces sp.	1	7
						Penicillium sp.	2	14
						Purpureocillium sp.	1	7
						Sterile(white)	1	7
						Talaromyces sp.	1	7
						Total	**17**	**119**
Laundry	Jail Laundry Room	141.5	MEA	25	7	*Arthrinium sp.*	1	7
292502315-0002						*Cladosporium sp.*	18	126
						Periconia sp.	1	7
						Rhinocladiella sp.	1	7
						Sterile(white)	1	7
						Total	**22**	**154**

No discernable blank was submitted with this group of samples.

Analyst(s)

Zeljko Jurjevic (2)

Billy Barnes, Laboratory Manager
or other approved signatory

Initial report from 05/08/2025 14:10:51

THIS IS THE LAST PAGE OF THE REPORT.

EMSL ANALYTICAL LABORATORY • PRODUCT

Client: Environmental Risk & Resour Test: M009 Bact Count #Samples: 2
Order: 292502315 Project: Columbus Jail 241364
Disposition: ***Discard after 6/22/2025***

EMAIL: ...@emsl.com

If Bill-To is the same as Report-To leave this section blank. Third-party billing requires written authorization.

Customer Information		Billing Information	
Customer ID:	ERRM75	Billing ID:	ERRM75
Company Name:	Environmental Risk & Resource Management	Company Name:	Environmental Risk & Resource Management
Contact Name:	P.G. Michael Kendall	Billing Contact:	Michael Kendall, P.G.
Street Address:	7972 Hampton Cove Dr	Street Address:	7972 Hampton Cove Dr
City, State, Zip:	Ooltewah TN 37363	City, State, Zip:	Ooltewah TN 37363
Country:	US	Country:	US
Phone:	6154281316	Phone:	6154281316
Email(s) for Report:	michael@errmllc.com	Email(s) for Invoice:	michael@errmllc.com

Project Information

Project Name/No: Columbus Jail 241364 | Purchase Order: 241364

EMSL LIMS Project ID: (If applicable, EMSL will provide) | State Samples Collected: GA | Zip Code Samples Collected: | State of Connecticut (CT) must select project location. ☐ Commercial (Taxable) ☐ Residential (Non-taxable)

Sampled By Name: Michael Kendall | Sampled By Signature: Michael A. Kendall | No. of Samples in Shipment

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

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

Turn-Around-Time (TAT) Please call ahead for large projects and/or turnaround times 6 Hours or Less. *32 Hour TAT available for select tests only; samples must be submitted by 11:30am

☐ 3 Hour ☐ 6 Hour ☐ 24 Hour ☐ 32* Hour ☐ 48 Hour ☐ 72 Hour ☐ 96 Hour ☐ 1 Week ☑ 2 Week

MICROBIOLOGY TEST CODES

M001 Air-O-Cell	M174 MoldSnap	M012 *Pseudomonas aeruginosa* (P/A***)	M115 Sewage Screen - Water (P/A***)
M030 Micro 5	M032 Allergenco-D	M024 *Pseudomonas aeruginosa* (MFT*)	M116 Sewage Screen - Water (MPN**)
M041 Fungal Direct Examination		M015 Heterotrophic Plate Count	M117 Sewage Screen - Swab (P/A***)
M169 Pollen ID & Enumeration		M017 Total Coliform & *E. Coli* (Colilert P/A***)	M013 Sewage Screen - Swab (MFT*)
M280 Dust Characterization Level-1		M018 Total Coliform & *E. Coli* (MFT*)	M730 *Methicillin-resistant Staph, aureus* (MRSA)
M281 Dust Characterization Level-2		M114 Total Coliform & *E. Coli Enumeration (Colilert MPN**)*	M031 Rapid-growing non-TB *Mycobactena* Detection & Enumeration
M005 Viable Fungi-Air Samples (Genus ID & Count)		M019 Fecal Coliform (MFT*)	
M006 Viable Fungi-Air Samples (Includes *Penicillum, Aspergillus, Cladosponum, Stachybotrys* Species ID & Count)		M029 *Enterococci* (MFT*)	M014 Endotoxin Analysis
M007 Culturable Fungi-Surface Samples (Genus ID & Count)		M129 *Enterococci* (Enterolert P/A***)	M044 Group Allergen (Cat, Dog, Cockroach, Dust Mite)
M008 Culturable Fungi-Surface Samples (Includes *Penicillum, Aspergillus, Cladosporium, Stachybotrys* Species ID & Count)		M180 Real Time qPCR-ERMI 36 Panel	M095 Bacteroides
		M025 Sewage Screen - Water (MFT*)	Other - See Analytical Price Guide for Test Code
			Legionella Analysis Please use EMSL *Legionella* COC
M009 Bacteria Culture Gram Stain & Count		*MFT= Membrane Filtration Technique	
M010 Bacteria Count & ID - 3 Most Prominent		**MPN = Most Probable Number	
M011 Bactena Count & ID - 5 Most Prominent		***P/A = Presence/Absence	

Sample #	Sample Location/Description	Sample Type (Matrix)	Potable / Non-Potable (Only for Water)	Test Code	Volume/Area	Date / Time Collected	Temperature (Lab Use Only)
Example: Sample 1	Kitchen	Water	Potable	M017	1,000 ml	1/1/2021 3:30pm	
PEC	Prisoner Intake Area	Air		M006/009	141.5L	4/16/25 1031A	
Laundry	Jail Laundry Room			" "	" "	" 1054A	

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

7917 3193 2815

Method of Shipment: FED-EX		Sample Condition Upon Receipt:	
Relinquished by: Michael A. Kendall	Date/Time: 4/22/25 8:00	Received by:	Date/Time: 4/23/25 10am
Relinquished by:	Date/Time:	Received by:	Date/Time:

Controlled Document - COC-34 Micro R15 08/19/2024

☑ AGREE TO ELECTRONIC SIGNATURE (By checking, I consent to signing this Chain of Custody document by electronic signature.)

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.

Page 1 of

EMSL Analytical, Inc.
2500 Gateway Centre Blvd., Suite 600, Morrisville, NC 27560
Phone/Fax: (919) 465-3900 / (919) 465-3950
http://www.EMSL.com raleighlab@emsl.com

EMSL Order:	292408469
CustomerID:	ERRM75
CustomerPO:	241364
ProjectID:	

Attn: **Michael Kendall, P.G.**
Environmental Risk & Resource Management
7972 Hampton Cove Dr
Ooltewah, TN 37363

Phone:	(615) 428-1316
Fax:	
Received:	11/13/2024 10:00 AM
Analysis Date:	11/22/2024
Collected:	11/12/2024

Project: **Columbus Jail 241364**

Test Report: Identification and Enumeration of Culturable Bacteria by Air (Gram Stain (EMSL Method MICRO-SOP-132))

Sample Description	Location	Volume (L)	Media	Incubation Temp (C)	Sensitivity (CFU/m³)	Bacteria Identification	Colony Count	CFU/m³
	Blank	0	TSAB	35		**None Detected**		
292408469-0008								
Blank								

Analyst(s)

Rebecca Stewart (1)

Billy Barnes, Laboratory Manager
or other approved signatory

Initial report from 11/22/2024 16:51:43

For information on the bacteria lisited in this report please visit the Resources section at www.emsl.com

EMSL Analytical, Inc.
2500 Gateway Centre Blvd., Suite 600, Morrisville, NC 27560
Phone/Fax: (919) 465-3900 / (919) 465-3950
http://www.EMSL.com raleighlab@emsl.com

EMSL Order:	292408469
CustomerID:	ERRM75
CustomerPO:	241364
ProjectID:	

Attn: **Michael Kendall, P.G.**
Environmental Risk & Resource Management
7972 Hampton Cove Dr
Ooltewah, TN 37363

Phone:	(615) 428-1316
Fax:	
Received:	11/13/2024 10:00 AM
Analysis Date:	11/22/2024
Collected:	11/12/2024

Project: **Columbus Jail 241364**

Test Report: Identification and Enumeration of Culturable Bacteria by Air (Three Most Prominent Types (EMSL Method MICRO-SOP-132))

Sample Description	Location	Volume (L)	Media	Incubation Temp (C)	Sensitivity (CFU/m³)	Bacteria Identification	Colony Count	CFU/m³
1	MCJ-PEC Intake	141.5	TSAB	35	7	*Microbacterium sp.*	10	70
292408469-0005						*Micrococbus sp.*	7	49
Fungi present.						*Staphylococcus epidermidis*	9	63
						Total	**26**	**182**
2	MCJ-PEC Intake	141.5	TSAB	35	7	*Microbacterium sp.*	7	49
292408469-0006						*Staphylococcus epidermidis*	1	7
Fungi present.						*Staphylococcus sp.*	4	28
						Total	**12**	**84**
3	MCJ-PEC Intake	141.5	TSAB	35	7	*Moraxella sp.*	1	7
292408469-0007						*Staphylococcus epidermidis*	1	7
Fungi present.						*Staphylococcus sp.*	1	7
						Total	**3**	**21**

No discernable blank was submitted with this group of samples.

Analyst(s)

Billy Barnes, Laboratory Manager
or other approved signatory

Initial report from 11/22/2024 16:51:43

THIS IS THE LAST PAGE OF THE REPORT.

EMSL Analytical, Inc.
2500 Gateway Centre Blvd., Suite 600, Morrisville, NC 27560
Phone/Fax: (919) 465-3900 / (919) 465-3950
http://www.EMSL.com raleighlab@emsl.com

EMSL Order:	292408469
CustomerID:	ERRM75
CustomerPO:	241364
ProjectID:	

Attn: **Michael Kendall, P.G.**
Environmental Risk & Resource Management
7972 Hampton Cove Dr
Ooltewah, TN 37363

Phone:	(615) 428-1316
Fax:	
Received:	11/13/2024 10:00 AM
Analysis Date:	12/13/2024
Collected:	11/12/2024

Project: **Columbus Jail 241364**

Test Report: Viable Fungi Identification and Enumeration from Impactors (Including Speciation of Penicillium, Aspergillus, Cladosporium and Stachybotrys (EMSL Method MICRO-SOP-202)

Sample Description	Location	Volume (L)	Media	Incubation Temp (C)	Sensitivity (CFU/m³)	Fungal Identification	Colony Count	CFU/m³
1	MCJ-PEC Intake	141.5	MEA	25	7	*Aspergillus versicolor*	13	91
292408469-0001						*Cladosporium herbarum*	53	371
						Cladosporium sphaerospermum	31	217
						Fusarium sp.	2	14
						Penicillium bilaiae	1	7
						Penicillium decumbens	4	28
						Total	**104**	**728**
2	MCJ-PEC Intake	141.5	MEA	25	7	*Cladosporium cladosporioides*	1	7
292408469-0002						*Cladosporium herbarum*	5	35
						Cladosporium sphaerospermum	1	7
						Penicillium brevicompactum	1	7
						Total	**8**	**56**
3	MCJ-PEC Intake	141.5	MEA	25	7	*Aspergillus japonicus*	1	7
292408469-0003						*Aspergillus sydowii*	1	7
						Aspergillus versicolor	8	56
						Cladophialophora sp.	1	7
						Cladosporium cladosporioides	10	70
						Cladosporium herbarum	35	245
						Cladosporium sphaerospermum	13	91
						Penicillium bilaiae	4	28
						Total	**73**	**511**
	Blank	0	MEA	25		**None Detected**		
292408469-0004								
Blank								

Analyst(s)

Virginia Causey (4)

Billy Barnes, Laboratory Manager
or other approved signatory

Initial report from 01/07/2025 16:51:44

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

Analyst(s)

Virginia Causey (4)

Billy Barnes, Laboratory Manager
or other approved signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted.
Positive hole correction factors have not been applied to the reported data. The detection limit is equal to 1 colony forming unit (CFU) per agar plate.
Samples analyzed by EMSL Analytical, Inc. Morrisville, NC AIHA LAP, LLC-EMLAP Accredited #173741

Initial report from 01/07/2025 16:51:44

THIS IS THE LAST PAGE OF THE REPORT.

OrderID: 292408469

EMSL Analytical, Inc

Microbiology Chain of Custody Form

Client: Environmental Risk & Resour Test: M009 Bact Count #Samples: 4
Order: 292408469 Project: Columbus Jail 241364
Disposition: ***Discard after 1/12/2025***

900
emsl com
n authorization.

Customer Information		Billing Information	
Customer ID:	ERRM75	Billing ID:	ERRM75
Company Name:	Environmental Risk & Resource Management	Company Name:	Environmental Risk & Resource Management
Contact Name:	P.G. Michael Kendall	Billing Contact	Michael Kendall, P.G.
Street Address:	7972 Hampton Cove Dr	Street Address:	7972 Hampton Cove Dr
City, State, Zip:	Ooltewah TN 37363	City, State, Zip:	Ooltewah TN 37363
Country:	US	Country:	US
Phone	6154281316	Phone	6154281316
Email(s) for Report:	michael@errmllc.com	Email(s) for Invoice:	michael@errmllc.com

Project Information

Project Name/No: Columbus Jail 241364
Purchase Order: 241364

EMSL LIMS Project ID: (If applicable, EMSL will provide)
State Samples Collected: GA
Zip Code Samples Collected:
State of Connecticut (CT) must select project location. ☐ Commercial (Taxable) ☐ Residential (Non-taxable)

Sampled By Name: Michael Kendall
Sampled By Signature: Michael G. Kendall
No. of Samples in Shipment

Sterile, Sodium Thiosulfate Preserved Bottle Used: ☐ Biocide Used in Source (specify)
Public Water Supply Samples: ☐ **Note: All results may automatically be reported to DOH if required by State.**

Turn-Around-Time (TAT) Please call ahead for large projects and/or turnaround times 6 Hours or Less *32 Hour TAT available for select tests only: samples must be submitted by 11:30am.

☐ 3 Hour ☐ 6 Hour ☐ 24 Hour ☐ 32* Hour ☐ 48 Hour ☐ 72 Hour ☐ 96 Hour ☐ 1 Week ☑ 2 Week

MICROBIOLOGY TEST CODES

M001 Air-O-Cell	**M174** MoldSnap	**M012** *Pseudomonas aeruginosa* (P/A***)	**M115** Sewage Screen - Water (P/A***)
M030 Micro 5	**M032** Allergenco-D	**M024** *Pseudomonas aeruginosa* (MFT*)	**M116** Sewage Screen - Water (MPN**)
M041 Fungal Direct Examination		**M015** Heterotrophic Plate Count	**M117** Sewage Screen - Swab (P/A***)
M169 Pollen ID & Enumeration		**M017** Total Coliform & *E. Coli* (Colilert P/A***)	**M013** Sewage Screen - Swab (MFT*)
M280 Dust Characterization Level-1		**M018** Total Coliform & *E. Coli* (MFT*)	**M730** *Methicillin-resistant Staph. aureus* (MRSA)
M281 Dust Characterization Level-2		**M114** Total Coliform & *E. Coli Enumeration (Colilert MPN**)*	**M031** Rapid-growing non-TB *Mycobacteria* Detection & Enumeration
M005 Viable Fungi-Air Samples (Genus ID & Count)		**M019** Fecal Coliform (MFT*)	
M006 Viable Fungi-Air Samples (Includes *Penicillium, Aspergillus, Cladosporium, Stachybotrys* Species ID & Count)		**M029** *Enterococci* (MFT*)	**M014** Endotoxin Analysis
		M129 *Enterococci* (Enterolert P/A***)	**M044** Group Allergen (Cat, Dog, Cockroach, Dust Mite)
M007 Culturable Fungi-Surface Samples (Genus ID & Count)		**M180** Real Time qPCR-ERMI 36 Panel	**M095** Bacteroides
M008 Culturable Fungi-Surface Samples (Includes *Penicillium, Aspergillus, Cladosporum, Stachybotrys* Species ID & Count)		**M025** Sewage Screen - Water (MFT*)	Other - See Analytical Price Guide for Test Code
			Legionella Analysis Please use EMSL *Legionella* COC
M009 Bactena Culture Gram Stain & Count		*MFT= Membrane Filtration Technique	
M010 Bactena Count & ID - 3 Most Prominent		**MPN = Most Probable Number	
M011 Bacteria Count & ID - 5 Most Prominent		***P/A = Presence/Absence	

Sample #	Sample Location/Description	Sample Type (Matrix)	Potable / Non-Potable (Only for Water)	Test Code	Volume/Area	Date / Time Collected	Temperature (Lab Use Only)
Example: Sample 1	Kitchen	Water	Potable	M017	1,000 ml	1/1/2021 3:30pm	
1	MCJ-PEC Intake	Air		006/009	141.5L	11/2/24 935	
2	" " "	"		↓	↓	↓ 1012	
3	" " "	"		↓	↓	↓ 1103	
	BLANK						

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

Method of Shipment: FED-EX
Sample Condition Upon Receipt:

Relinquished by: Michael G. Kendall	Date/Time: 11/2/24 1800	Received by:	Date/Time 11/3/24 10
Relinquished by:	Date/Time:	Received by:	Date/Time

Controlled Document - COC-34 Micro R15 08/19/2024

☑ AGREE TO ELECTRONIC SIGNATURE (By checking, I consent to signing this Chain of Custody document by electronic signature.)

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.

Page 1 of

7915 3739 3868