LIMITED MOLD, ASBESTOS AND LEAD-CONTAINING PAINT SURVEY REPORT

Bay Pines VA Medical Center
Building 100 5C Rooms 119 and 122
10000 Bay Pines Boulevard
Bay Pines, Florida 33744

VRG Project No.: 16950-90018

Prepared for:

Ms. Darlene Powell, CHSP, HEM
Bay Pines VAHCS
PO Box 5005
Bay Pines, Florida 33744

January 2017

Prepared by:

4902 113th Avenue North
Clearwater, FL 33760
813.999.2009 • Fax 813.849.0330

VRG SERVICES, LLC

January 30, 2017

Ms. Darlene Powell, CHSP, HEM
Bay Pines VAHCS
PO Box 5005
Bay Pines, Florida 33744

RE: Limited Mold, Asbestos and Lead-Containing Paint Survey Report
Bay Pines VA Medical Center – Building 100 5C Rooms 119 and 122

VRG Project No.: 16950-90018

Dear Ms. Powell:

VRG Services, LLC (VRG) performed a limited survey for mold, asbestos-containing materials (ACM), and lead-containing paint (LCP) on August 29, 2016, in Rooms 5C-119 and 5C-122 of Building 100, located at the Bay Pines VA Medical Center in Bay Pines, Florida. The survey was performed by Mr. James Riser with VRG. This report outlines the sampling and testing procedures, and presents the results along with our conclusions and recommendations.

VRG appreciates the opportunity to serve as your consultant on this project. If you should have any questions, or if we can be of further service, please do not hesitate to call.

Sincerely,
VRG Services, LLC

James E. Riser
Senior Project Manager

Robert B. Greene, PE, PG, CIH, LEED AP
Project Principal
Florida LAC, EA0000009

JER/RBG/dd

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TABLE OF CONTENTS

1.0 INTRODUCTION

1.1 INTRODUCTION

The purpose of this limited survey was to identify mold-impacted materials, accessible asbestos-containing materials (ACMs), and lead-containing paint (LCP), and their general locations, within Rooms 5C-119 and 5C-122 of Building 100, located at the Bay Pines VA Medical Center in Bay Pines, Florida. The objective of this survey was to determine if environmentally hazardous materials are present, as these areas are scheduled for renovation activities. This survey was performed in general compliance with the National Emission Standards for Hazardous Air Pollutants (NESHAP, 40 CFR 61) and the Lead Standard for the Construction Industry (29 CFR 1926.62) requirements, respectively.

The survey was performed on August 29, 2016, by Mr. James Riser, an Environmental Protection Agency/Asbestos Hazard Emergency Response Act (EPA/AHERA) accredited inspector and an EPA certified Lead Risk Assessor. Mr. Robert Greene, a Certified Industrial Hygienist and a State of Florida Mold Assessor, performed oversight of the mold assessment activities. The scope of this survey did not include demolition of any building components, evaluation of architectural plans, quantification of materials for abatement purposes, or removal cost estimating.

2.0 MOLD

2.1 MOLD ASSESSMENT PROCEDURES

A visual assessment of accessible, affected areas within Rooms 5C-119 and 5C-122 of Building 100 was performed by VRG. The general site features were noted, and air samples were collected.

Moisture measurements were obtained with a handheld digital moisture meter from various building materials present within the affected areas. Elevated moisture measurements, greater than or equal to 20% Moisture Content (MC) or Wood Moisture Equivalent (WME), are used to assist in defining the general extent of water damaged materials.

2.2 MOLD OBSERVATIONS

The following sections describe the general observations associated with the activities conducted at the site during this assessment.

2.2.1 Visual Assessments and Moisture Measurements

VRG performed a walkthrough visual assessment of Rooms 5C-119 and 5C-122. Visible mold growth was observed at the time of the assessment in the following areas:

- Room 122 – Within the exposed wall cavity.

No water staining or condensation was observed at the time of the assessment. No moisture readings exceeding 20% were detected at the time of the assessment.

2.2.2 Fungal Air Sampling

During the assessment, two (2) baseline exterior and two (2) indoor ambient "spore trap" air samples were collected to assess the presence of airborne fungi. Air samples were collected using a Buck BioAire Constant Flow Bioaerosol Sampling Pump. The high volume pump was utilized to draw and impact airborne particulates and microorganisms onto a glass slide located within a Zefon Air-O-Cell™ cassette. At the laboratory, the glass slide is removed and analyzed via direct microscopic analysis, to quantify both viable and non-viable fungal organisms (reported in counts per cubic meter – Counts/m^3). The exterior baseline samples were collected to identify the regional occurrence and concentration of mold spores in the ambient outdoor air at the time of sampling. Samples were delivered, under strict chain-of-custody, to EMSL Analytical, Inc., (EMSL) in Orlando, Florida for viable and non-viable mold spore analysis.

Factors affecting the interpretation of bio-aerosol air samples include the time of sampling, present indoor and outdoor environmental conditions, difficulties in quantification, and individual laboratory procedures. In general, if significantly greater spore levels are detected inside, either in total or by individual species, then bio-amplification has occurred. However, since mold does not always produce spores, the lack of indoor spore levels does not, in itself, indicate the lack of indoor mold growth.

Sample 100-3 – Room 5C-122
Sample 100-4 – Room 5C-119

During the sampling, laboratory enumeration indicated the total airborne mold spore counts to be less than the total airborne mold spore counts in the exterior baseline samples. However, *Aspergillus/Penicillium* was detected at spore count levels slightly greater than exterior levels. Based upon the results obtained of the air sampling performed, it appears that bio-amplification has not occurred.

2.2.3 Thermal Comfort Testing

Temperature and relative humidity measurements were obtained with the use of a portable/hand held Q-Trak Digital IAQ Monitor. The results were calculated internally by the digital thermo-anemometer microprocessor.

On December 17, 2001, Occupational Safety and Health Administration (OSHA) withdrew its Indoor Air Quality (IAQ) proposal and terminated rulemaking proceedings (66 FR 64946). However, OSHA still receives public inquiries about IAQ, primarily for purposes of office temperature/humidity and smoking in the workplace. For that reason, OSHA summarized its position and guidance on these topics in the form of letters that

can be utilized when responding to complainants on these topics. As referenced in the *OSHA Policy on Indoor Air Quality: Office Temperature/Humidity and Environmental Tobacco Smoke* released February 24, 2003:

"As a general rule, office temperature and humidity are matters of human comfort. OSHA has no regulations specifically addressing temperature and humidity in an office setting. However, Section III, Chapter 2, Subsection V of the OSHA Technical Manual, "*Recommendations for the Employer*," provides engineering and administrative guidance to prevent or alleviate indoor air quality problems. Air treatment is defined under the engineering recommendations as, "the removal of air contaminants and/or the control of room temperature and humidity." OSHA recommends temperature control in the range of 68-76° F and humidity control in the range of 20%-60%."

Direct read temperature and relative humidity measurements were obtained on August 29, 2016, from the facility during the investigation. The interior temperature readings in Rooms 5C-119 and 5C-122 were 75.2°F and 74.8°F, respectively, and are **within** the above-referenced range of 68-76°F. The interior relative humidity reading in Rooms 5C-119 and 5C-122 were 58.1% and 57.6%, respectively, and are **within** the above-referenced range of 20-60%. Ambient exterior conditions at the time of the assessment indicated a temperature and relative humidity of 85.2°F and 61.3%, respectively.

3.0 ASBESTOS

3.1 ASBESTOS SURVEY PROCEDURES

The limited survey was performed by visually observing areas of the building scheduled for renovation activities. The scope of the sampling was limited to suspect building materials likely to be impacted by remedial and/or renovation activities. An EPA/AHERA accredited inspector performed the visual observations (refer to **Appendix B** for personnel qualifications).

After the overall visual survey was completed, representative sampling areas were determined. The surveyor delineated homogeneous areas of suspect materials and samples of each material were obtained, in general accordance with regulations as established by the Occupational Safety and Health Administration (OSHA) and NESHAP. The field surveyor determined sample locations based on previous experience. Both friable and non-friable materials were sampled, as applicable. A friable material is one that can be crushed when dry by normal hand pressure. This survey did not include the demolition of building components to access suspect material.

After completion of the fieldwork, the samples were delivered to GLE Associates, Inc. (GLE), a National Voluntary Laboratory Accreditation Program (NVLAP) accredited laboratory, for analysis. The samples were analyzed by Polarized Light Microscopy (PLM) coupled with dispersion staining, in general accordance with EPA-600/R-93/116. Utilizing this procedure, the various asbestos minerals (chrysotile, amosite, crocidolite, actinolite, tremolite, and

anthophyllite) can be determined. The percentages of asbestos minerals in the samples were visually determined by the microscopist. Please note that the EPA designates all materials containing greater than 1% asbestos as an “asbestos-containing material” (ACM).

Regulated Asbestos-Containing Material (RACM) is defined as (a) Friable asbestos materials, (b) Category I non-friable ACM that has become friable, (c) Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading, or (d) Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations regulated by this subpart.

Category I and Category II non-friable ACM, as defined by the EPA:

- Category I non-friable ACM means asbestos containing packings, gaskets, resilient floor covering, asphalt roofing products, and pliable sealants and mastics that are in good condition and not friable, containing more than 1 percent asbestos, as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763, Section 1, PLM.
- Category II non-friable ACM means any material, excluding Category I non-friable ACM, containing more than 1 percent asbestos as determined using the methods specified in Appendix E, Subpart E, 40 CFR Part 763 Section 1, PLM that, when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure.

3.2 IDENTIFIED SUSPECT ASBESTOS-CONTAINING MATERIALS

A total of nine (9) samples of suspect building materials were collected from the facility during the survey, representing three (3) different homogeneous areas. Sampling of floor coverings was not performed at the time of the survey as these materials were not expected to be impacted during the anticipated scope of work. The results of the laboratory analyses are included in **Appendix A**, and approximate sample locations and the approximate extent to which ACM was observed to be present, as applicable, are indicated on the drawing presented in **Appendix C**.

A summary of the homogenous sampling areas of suspect ACM determined to be present is outlined in the following table:

TABLE 3.2-1: SUMMARY OF HOMOGENEOUS SAMPLING AREAS
BAY PINES VA MEDICAL CENTER – BUILDING 100 5C ROOMS 119 & 122

HA #	HOMOGENEOUS MATERIAL DESCRIPTION	HOMOGENEOUS MATERIAL LOCATION	FRIABILITY (F /NF)	% ASBESTOS*	# OF SAMPLES COLLECTED	APPROXIMATE QUANTITY	ACM CATEGORY
CT-01	2x2 Fissured Ceiling Tile	Rooms 119 & 122	F	ND	3	NIS	NA
DW-01	Drywall	Rooms 119 & 122	NF	ND	3	NIS	NA
M-01	Cove Base and Adhesive	Rooms 119 & 122	NF	ND	3	NIS	NA

ASBESTOS CONTENT Expressed as percent	* = The facility owner has the option of point-counting by polarized light microscopy (PLM) those RACM whose asbestos content is less than 10% in order to more accurately determine the asbestos content therein.				
	PC = Results based on Point-Count analysis				
FRIABILITY	F = Friable Material	NF = Non-Friable Material			
ACM CATEGORY	RACM = Regulated ACM	CAT I = Category I non-friable ACM	CAT II = Category II non-friable ACM		
ABBREVIATIONS:	NA = Not Applicable	ND = None Detected	NIS = Not in Scope	C = Chrysotile	A = Amosite
	HA = Homogeneous Area	SF = Square Feet	LF = Linear Feet	CF = Cubic Feet	

4.0 LEAD-CONTAINING PAINT

4.1 LEAD-CONTAINING PAINT SURVEY PROCEDURES

The lead-containing paint survey was performed by visually observing accessible painted component surfaces likely to be impacted during renovation activities. The protocol used in this lead paint survey is a modified version of the survey methodology established by HUD. The protocol was modified to conform to the specific parameters of this project.

During the walk through of the facility, each component to be potentially impacted was observed and an inventory of painted surfaces was developed. The surveyor then subdivided the areas into homogeneous areas of apparent similar paint history.

One (1) paint chip samples were collected from representative painted surfaces, associated with the identified components.

Testing of the painted surface was performed by collecting representative paint chips. All samples were submitted to Schneider Laboratories Global, Inc., an accredited laboratory recognized under EPA's National Lead laboratory Accreditation Program (NLLAP), located in Richmond, Virginia. The samples were analyzed by EPA Method 3050B/7000B and the results are reported in percentage of lead by weight of the paint sample (% Wt).

4.2 IDENTIFIED SUSPECT LEAD-CONTAINING PAINT

The identified suspect lead-containing coatings are described in the following table:

TABLE 4.2-1: SUMMARY OF SUSPECT LEAD-CONTAINING PAINT ANALYTICAL RESULTS

Sample Number	Location	Color	Component	FAAS Result
LP-1	Room 5C-122	Beige	Drywall Wall	<0.00309%

The requirements of the OSHA Lead in Construction Standard 29CFR 1926.62 are invoked if any amount of lead is present in the sample (lead-containing); there is no minimum concentration.

No lead-containing paint was identified. The results of the laboratory analysis are included in **Appendix A**.

5.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the findings of this assessment, VRG provides the following conclusions and recommendations.

5.1 MOLD

1. Mold was observed within an exposed wall cavity in Room 5C-122. Although the mold contamination appears to be isolated, the extent of the contamination will not be known until additional areas have been exposed.
2. Slightly elevated spore count levels of *Aspergillus/Penicillium* were detected in the air samples collected from both 5C-119 and 5C-122.

Based upon these observations, VRG recommends the following actions:

1. All mold affected drywall be properly removed and disposed of by a licensed environmental remediation company utilizing properly trained and equipped personnel.
2. Secure the rooms from unauthorized entry and isolate from existing HVAC systems. Scrub the air with HEPA equipped air filtration machines.

5.2 ASBESTOS

1. Asbestos was not identified as part of the scope of this project.

5.3 LEAD-CONTAINING PAINT

1. Analytical results did not indicate lead concentrations above the analytical method detection limit for the painted surfaces tested.

6.0 LIMITATIONS AND CONDITIONS

As a result of previous renovations, there may be hidden materials, such as floor tile, sheet vinyl flooring, insulation, etc. These materials may be found in various areas hidden under existing flooring materials or in wall cavities. Any materials found during construction activities, either not addressed in this survey report, or similar to the ACM identified in this survey report should be assumed to be ACM until sampling and analysis documents otherwise.

Because of the hidden nature of many building components (i.e. within mechanical chases, wall cavities, etc.), it may be impossible to determine if all of the suspect building materials have been located and subsequently tested, or all mold has been accounted for. Destructive testing in some instances is not a viable option. We cannot, therefore, guarantee that all potential ACM, LCP and/or mold has been located. For the same reasons, estimates of quantities and/or conditions are subject to readily apparent situations, and our findings reflect this condition. We do warrant, however, that the investigations and methodology reflect our best efforts based upon the prevailing standard of care in the environmental industry.

The information contained in this report was prepared based upon specific parameters and regulations in force at the time of this report. The information herein is only for the specific use of the client and VRG. VRG accepts no responsibility for the use, interpretation, or reliance by other parties on the information contained herein, unless prior written authorization has been obtained from VRG.

APPENDIX A
Analytical Results and Chains of Custody

EMSL Analytical, Inc.

3303 PARKWAY CENTER COURT Orlando, FL 32808
Tel/Fax: (407) 599-5887 / (407) 599-9063
http://www.EMSL.com / orlandolab@emsl.com

EMSL Order: 341607964
Customer ID: VRGS42
Customer PO:
Project ID:

Attn: James Riser
VRG Services
4902 113th Ave North
Clearwater, FL 33760

Phone: (813) 999-2009
Fax:
Collected: 07/29/2016
Received: 08/02/2016
Analyzed: 08/04/2016

Project: Bay Pines VA Bdg 100 5C-119&122

Test Report: Air-O-Cell(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods EMSL 05-TP-003, ASTM D7391)

Lab Sample Number:	341607964-0001			341607964-0002			341607964-0003		
Client Sample ID:	100-1			100-2			100-3		
Volume (L):	150			150			150		
Sample Location	South Exterior Entrance			South Exterior Entrance			Room 5C-122		
Spore Types	**Raw Count**	**Count/m³**	**% of Total**	**Raw Count**	**Count/m³**	**% of Total**	**Raw Count**	**Count/m³**	**% of Total**
Alternaria	-	-	-	-	-	-	-	-	-
Ascospores	69	1500	85.5	77	1600	78.9	-	-	-
Aspergillus/Penicillium	1	20	1.1	5	100	4.9	7	100	93.5
Basidiospores	6	100	5.7	4	80	3.9	-	-	-
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	1	20	1.1	-	-	-	-	-	-
Cladosporium	3	60	3.4	8	200	9.9	1*	7*	6.5
Curvularia	1	20	1.1	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	1*	7*	0.4	2	40	2	-	-	-
Pithomyces	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis	-	-	-	-	-	-	-	-	-
Stachybotrys	-	-	-	-	-	-	-	-	-
Torula	-	-	-	-	-	-	-	-	-
Ulocladium	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Nigrospora	1*	7*	0.4	1*	7*	0.3	-	-	-
Pestalotiopsis	1	20	1.1	-	-	-	-	-	-
Total Fungi	**84**	**1754**	**100**	**97**	**2027**	**100**	**8**	**107**	**100**
Hyphal Fragment	-	-	-	-	-	-	1*	7*	-
Insect Fragment	-	-	-	-	-	-	2	40	-
Pollen	-	-	-	1*	7*	-	1*	7*	-
Analyt. Sensitivity 600x	-	21	-	-	21	-	-	21	-
Analyt. Sensitivity 300x	-	7*	-	-	7*	-	-	7*	-
Skin Fragments (1-4)	-	2	-	-	2	-	-	2	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	2	-
Background (1-5)	-	2	-	-	2	-	-	2	-

Bipolaris++ = Bipolaris/Drechslera/Exserohilum
Myxomycetes++ = Myxomycetes/Periconia/Smut

No discernable field blank was submitted with this group of samples.

Blanca Cortes, Ph.D., 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. Orlando, FL AIHA-LAP, LLC EMLAP 163563

Initial report from: 08/04/2016 10:56:06

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

EMSL Analytical, Inc.

3303 PARKWAY CENTER COURT Orlando, FL 32808
Tel/Fax: (407) 599-5887 / (407) 599-9063
http://www.EMSL.com / orlandolab@emsl.com

EMSL Order: 341607964
Customer ID: VRGS42
Customer PO:
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Attn: James Riser
VRG Services
4902 113th Ave North
Clearwater, FL 33760

Phone: (813) 999-2009
Fax:
Collected: 07/29/2016
Received: 08/02/2016
Analyzed: 08/04/2016

Project: Bay Pines VA Bdg 100 5C-119&122

Test Report: Air-O-Cell(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods EMSL 05-TP-003, ASTM D7391)

Lab Sample Number:	**341607964-0004**		
Client Sample ID:	**100-4**		
Volume (L):	**150**		
Sample Location	**Room 5C-119**		

Spore Types	Raw Count	Count/m³	% of Total
Alternaria	-	-	-
Ascospores	1	20	5
Aspergillus/Penicillium	18	380	95
Basidiospores	-	-	-
Bipolaris++	-	-	-
Chaetomium	-	-	-
Cladosporium	-	-	-
Curvularia	-	-	-
Epicoccum	-	-	-
Fusarium	-	-	-
Ganoderma	-	-	-
Myxomycetes++	-	-	-
Pithomyces	-	-	-
Rust	-	-	-
Scopulariopsis	-	-	-
Stachybotrys	-	-	-
Torula	-	-	-
Ulocladium	-	-	-
Unidentifiable Spores	-	-	-
Zygomycetes	-	-	-
Nigrospora	-	-	-
Pestalotiopsis	-	-	-
Total Fungi	**19**	**400**	**100**
Hyphal Fragment	1	20	-
Insect Fragment	-	-	-
Pollen	-	-	-
Analyt. Sensitivity 600x	-	21	-
Analyt. Sensitivity 300x	-	7*	-
Skin Fragments (1-4)	-	2	-
Fibrous Particulate (1-4)	-	2	-
Background (1-5)	-	2	-

Bipolaris++ = Bipolaris/Drechslera/Exserohilum
Myxomycetes++ = Myxomycetes/Periconia/Smut

No discernable field blank was submitted with this group of samples.

Blanca Cortes, Ph.D., 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. Orlando, FL AIHA-LAP, LLC EMLAP 163563

Initial report from: 08/04/2016 10:56:06

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

OrderID: 341607964

EMSL Analytical, Inc.
5125 Adanson Street, Suite 90

Orlando, FL 32804
PHONE: (407) 599-5887
FAX: (407) 599-9063

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Microbiology Chain of Custody

EMSL Order Number *(Lab Use Only)*: 341607964

Company: VRG Services, Inc.	**EMSL-Bill to:** ☑ Different ☐ Same If Bill to is Different note instructions in Comments**
Street: 4902 113th Avenue North	*Third Party Billing requires written authorization from third party*
City: Clearwater **State/Province:** FL	**Zip/Postal Code:** 33760 **Country:** United States
Report To (Name): James Riser	**Telephone #:** 813.999.2009
Email Address: jriser@vrgservices.com	**Fax #:** 813.849.0330 **Purchase Order:**
Project Name/Number: Bay Pines VA Bdg 100 5C-119&122	**Please Provide Results:** ☐ FAX ☑ E-mail ☐ Mail
U.S. State Samples Taken: FL	**Connecticut Samples:** ☐ Commercial ☐ Residential

Turnaround Time (TAT) Options* - Please Check

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

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

Non Culturable Air Samples (Spore Traps) – Test Codes

• **M001** Air-O-Cell	• **M173** Allegro M2	• **M004** Allergenco	• **M032** Allergenco-D	• **M172** Versa Trap
• **M049** BioSIS	• **M003** Burkard	• **M043** Cyclex	• **M002** Cyclex-d	
• **M030** Micro 5	• **M174** MoldSnap	• **M176** Relle Smart	• **M130** Via-Cell	

Other Microbiology Test Codes

• **M041** Fungal Direct Examination	• **M014** Endotoxin Analysis	• **M029** *Enterococci*
• **M005** Viable Fungi ID and Count	• **M015** Heterotrophic Plate Count	• **M019** Fecal Coliform
• **M006** Viable Fungi ID and Count (Speciation)	• **M180** Real Time Q-PCR-ERMI 36	• **M133** MRSA Analysis
• **M007** Culturable Fungi	• Panel	• **M028** *Cryptococcus neoformans*
• **M008** Culturable Fungi (Speciation)	• **M018** Total Coliform	Detection
• **M009** Gram Stain Culturable Bacteria	(Membrane Filtration)	• **M120** *Histoplasma capsulatum*
• **M010** Bacterial Count and ID – 3 Most	• **M020** Fecal *Streptococcus*	Detection
Prominent	(Membrane Filtration)	• **M033-39** Allergen Testing
• **M011** Bacterial Count and ID – 5 Most	• **M210-215** *Legionella* Detection	• **M044** Group Allergen
Prominent	• **M026** Recreational Water Screen	(Cat, Dog, Cockroach, Dustmites)
• **M013** Sewage Contamination in Buildings	• **M027** Mycotoxin Analysis	• **Other** See Analytical Price Guide

Preservation Method (Water):

Name of Sampler: JAMES RISER. **Signature of Sampler:**

Sample #	Sample Location	Sample Type	Test Code	Volume/Area	Date/Time Collected
Example: A1	Kitchen	Air	M001	75L	1/1/12 4:00 PM
100-1	South Exterior Entrance	Air	M001	150 L	7/29/16 AM
100-2	South Exterior Entrance	↓	↓	↓	↓
100-3	Room 5C-122				
100-4	Room 5C-119	↓	↓	↓	↓

Client Sample # (s): 100-1 - 100-4 **Total # of Samples:** 4

Relinquished (Client): **Date:** 8/1/16 **Time:** 9:00 AM.

Received (Client): **Date:** 8-2-16 **Time:** 9:05

Comments:
BillTo: VRG Services, Inc , 4902 113th Avenue North, Clearwater, FL, 33760, United States
Attention: James Riser Phone: 813.999.2009 Email: jriser@vrgservices.com Purchase Order:

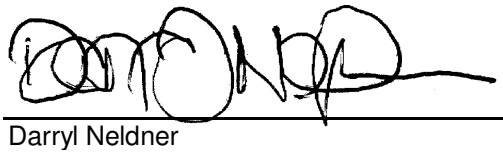
SUMMARY OF BULK SAMPLE ANALYSIS

Bay Pines VA; Building 100 - Room 5C-119 & 122

16950-90018

Sample	Sample Type	Fiber Type	
CT-01A	2x2 Fissured Ceiling Tile	70%	Mineral Wool
		30%	Perlite, Quartz, Calcite
CT-01B	2x2 Fissured Ceiling Tile	70%	Mineral Wool
		30%	Perlite, Quartz, Calcite
CT-01C-QC	2x2 Fissured Ceiling Tile	70%	Mineral Wool
		30%	Perlite, Quartz, Calcite
DW-01A	Drywall	100%	Gypsum, Quartz, Calcite, Clay
DW-01B	Drywall	100%	Gypsum, Quartz, Calcite, Clay
DW-01C	Drywall	100%	Gypsum, Quartz, Calcite, Clay
M-01A	Cove Base and Adhesive	100%	Polymer
M-01B	Cove Base and Adhesive	100%	Polymer
M-01C	Cove Base and Adhesive	100%	Polymer

Analyst / Approved Signatory:



Darryl Neldner

* Polarized Light Microscopy coupled with dispersion is the technique used for identification in accordance with EPA 600/M4-82-020, EPA 600/R-93/116, and NIOSH Method 9002.

** The percentage of each component is visually estimated. The result of this analysis relate only to the material tested. The report shall not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. (>1% greater than one percent, <1% less than one percent) QC - Sample reanalyzed for QA/QC.

Analysis performed by GLE Associates, Inc. NVLAP Code 102003-0, CO AL-17485, TX 30-0337

Feedback regarding laboratory performance should be addressed to lab@gleassociates.com.

Report Date: 8/1/2016

CHAIN OF CUSTODY/SAMPLE TRANSMITTAL FORM

VRG Services, LLC
4902 113th Avenue North
Clearwater, FL 33760
Tel. (813) 999-2009 FAX (813) 849-0330

CLIENT:	Bay Pines VA
PROJECT #:	16950-90018
PROJECT:	Bldg 100 Room 5C-119&122
LABORATORY SENT TO:	GLE
DATE:	July 29, 2016

LAB 20162

SAMPLE INFORMATION

SAMPLE #	DESCRIPTION	SAMPLE #	DESCRIPTION
CT-01 A-C	2x2 Fissured Ceiling Tile		
DW-01 A-C	Drywall		
M-01 A-C	Cove Base and Adhesive		

IMPORTANT: TOTAL NUMBER OF SAMPLES SUBMITTED	**9**
IMPORTANT: POSITIVE STOP ANALYSIS	Yes
IMPORTANT: E-MAIL RESULTS TO	jriser@vrgservices.com

NOTE:

Turnaround time starts at receipt by lab and does not include weekend or holidays.

Select Turnaround Time

☐ 3 hour ☐ 6 Hour ☐ 24 Hour ☒ 48 Hour ☐ 3 Day ☐ 4 Day

REPORT RESULTS TO THE ADDRESS ABOVE

CHAIN OF CUSTODY: VRG SERVICES, LLC	CHAIN OF CUSTODY: LABORATORY
PACKAGED BY: Jim Riser	SAMPLES RECEIVED BY:
DATE PACKAGED: August 1, 2016	DATE:
METHOD OF TRANSMITTAL: Hand Delivered	TIME:
TRANSMITTED BY: Jim Riser	CONDITION OF PACKAGED SAMPLES:

CHAIN OF CUSTODY: RETURNED TO GLE ASSOCIATES, INC.	
RECEIVED BY:	DATE:
INVENTORIED BY:	DATE:
REPACKAGED AND SEALED BY:	DATE:

Analysis Report

Schneider Laboratories Global, Inc

2512 W. Cary Street • Richmond, Virginia • 23220-5117
804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475

Customer: VRG Services, LLC. (4826)
Address: 5405 Cypress Center Dr.
Suite 110
Tampa, FL 33609

Attn:

Project: VA Bay Pines
Location: Bldg 100 Rm 5C-122
Number: 16950.90018

Order #: 179401

Matrix Paint
Received 08/02/16
Analyzed 08/03/16
Reported 08/03/16

PO Number:

Sample ID / Parameter	Cust. Sample ID	Location / Method	Sample Date	Weight / Total µg	% / Wt.	Conc.	RL*
179401-001	LP-1	Beige/Drywall/Wall	07/29/16	324 mg			
Lead		EPA 7000B / 3050B		<10.0 µg	<0.00309 %	<30.9 mg/kg	30.9 mg/kg

Analyst: MHB
179401-08/03/16 04:22 PM

Abisola O Kasali

Reviewed By: **Abisola Kasali**
Metals Supervisor

Minimum reporting limit: 10.0 µg. Lead Based Paint contains 0.5% lead by weight per Federal statute. The OSHA Lead in Construction Standard, 29 CFR 1926.62, is invoked if any lead is present in the sample. Concentration and *Reporting Limit (RL) based on weights provided by client. All internal QC parameters were met. Unusual sample conditions, if any, are described. Values are reported to three significant figures. PPM = mg/kg | PPB = µg/kg. The test results reported relate only to the samples submitted.

179401

V:\179\179401

SCHNEIDER LABORATORIES GLOBAL, INC.

2512 West Cary Street, Richmond, Virginia 23220-5117
804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475
www.slabinc.com e-mail: info@slabinc.com

Submitting Co.	VRG SERVICES, LLC	Lab WO#		Phone	813.999.2009
4902 113TH AVE N.		Acct #		Fax / Email	jriser@vrgservices.com
CLEARWATER, FL 33760		**State of Collection		**Cert. Required	☐ Yes ☐ No
Project Name:	VA BAY PINES	Special Instructions [include requests for special reporting or data packages]			
Project Location:	BLDG. 100 RM SC-122				
Project Number:	16950-90018				
PO Number:					

Turn Around Time

- ☐ 2 hours*
- ☐ Same day*
- ☐ 1 business day*
- ☒ 2 business day*
- ☐ 3 business days*
- ☐ 5 business days*

* not available for all tests

Schedule rush organics, multi-metals & weekend tests in advance.

Matrix / Sample Type (Select ONE)

All samples on form should be of SAME matrix type. Use additional forms as needed.

☐ Air	☐ Solid
☐ Aqueous	☐ Waste
☐ Bulk	☐ Wastewater
☐ Hi-Vol Filter (PM10)	☐ Water,Drinking
☐ Hi-Vol Filter (TSP)	☐ Compliance
☐ Oil	☐ Wipe
☒ Paint	☐ Wipe, Composite
☐ Sludge	☐ _____
☐ Soil	☐ _____

Tests / Analytes (Select ALL that Apply)

Asbestos in Air
- ☐ PCM (NIOSH 7400)
- ☐ TEM (AHERA)
- ☐ TEM (EPA Level II)

Miscellaneous Tests
- ☐ Total Dust (NIOSH 0500)
- ☐ Resp. Dust (NIOSH 0600)
- ☐ Silica - FTIR (NIOSH 7602)
- ☐ Silica - XRD (NIOSH 7500)

Other
- ☐ _____

Asbestos in Bulk
- ☐ PLM
- ☐ PLM (Point Count)
- ☐ PLM (Qualitative only)
- ☐ NYELAP
- ☐ CAELAP (Point Count)
- ☐ TEM (Chatfield)
- ☐ _____

FOR ASBESTOS AIR:
TYPE OF RESPIRATOR USED: _____

Metals-Total
- ☒ Lead
- ☐ RCRA Metals

TCLP
- ☐ TCLP / Lead
- ☐ TCLP / RCRA Metals
- ☐ TCLP / Full (w/ organics) 10 day

Microbiology
- ☐ BACT (MPN & P/A)
- ☐ Mold Direct Exam
- ☐ _____

Sample #	Date Sampled**	Time Sampled**	Sample Identification (Employee, SSN, Bldg, Material, Type[1])	Wiped Area (ft²)	pH / Temp *	Time[2] Start	Time[2] Stop	Flow Rate[3] Start	Flow Rate[3] Stop	Total[4] Air
LP-1	7/29/16	AM.	BEIGE/DRYWALL/WALL							

[1]Type: A=Area B=Blank P-Personal E=Excursion [2]Beginning/End of Sample Period [3]Pump Calibration in Liters/Minute [4]Volume in Liters (time in min * flow in L/min)

All soil and aqueous samples must be sent in adequate quantity for duplicate analysis to be performed per EPA requirements. Failure to perform a sample duplicate analysis, due to a lack of sample quantity, will lead to a disclaimer on the report.

Sampled by	Relinquished to lab by		Sample Disposal
NAME JAMES RISER	NAME JAMES RISER.	RA 8/2 10AM	If samples over req. weight (Refer to Fee Schedule)
SIGNATURE	SIGNATURE		☐ Return to Sender (Shipping fees)
DATE/TIME 8/1/16 AM.	DATE/TIME 8/1/16 AM.		☐ Disposal by lab ($50 fee)

☐ Sample return requested ☐ Ambient temp ☐ Ice CI ☐ FX ☐ S ☐ X ☐ Receive a physical copy of report

Shipping Methods: ☐ FX ☐ UPS ☐ USM ☐ HD ☐ DB WB: 7936

* Temperature taken with IR Gun A, **Required. *Chain-of-Custody documentation continued internally within lab. Terms and conditions page 2.*

APPENDIX B
Personnel and Laboratory Certifications

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

ASBESTOS LICENSING UNIT
1940 NORTH MONROE STREET
TALLAHASSEE FL 32399-0783

(850) 487-1395

VRG SERVICES LLC
ROBERT BLAIR GREENE
5405 CYPRESS CENTER DR
SUITE 110
TAMPA FL 33609

Congratulations! With this license you become one of the nearly one million Floridians licensed by the Department of Business and Professional Regulation. Our professionals and businesses range from architects to yacht brokers, from boxers to barbeque restaurants, and they keep Florida's economy strong.

Every day we work to improve the way we do business in order to serve you better. For information about our services, please log onto **www.myfloridalicense.com**. There you can find more information about our divisions and the regulations that impact you, subscribe to department newsletters and learn more about the Department's initiatives.

Our mission at the Department is: License Efficiently, Regulate Fairly. We constantly strive to serve you better so that you can serve your customers. Thank you for doing business in Florida, and congratulations on your new license!

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

ZA476 ISSUED: 11/17/2015

ASBESTOS BUSINESS ORGANIZATION
VRG SERVICES LLC
ROBERT BLAIR GREENE

IS LICENSED under the provisions of Ch 469 FS.
Expiration date : NOV 30, 2017 L1511170001958

DETACH HERE

RICK SCOTT, GOVERNOR KEN LAWSON, SECRETARY

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
ASBESTOS LICENSING UNIT

LICENSE NUMBER	
ZA476	

The ASBESTOS BUSINESS ORGANIZATION
Named below IS LICENSED
Under the provisions of Chapter 469 FS.
Expiration date: NOV 30, 2017

VRG SERVICES LLC
ROBERT BLAIR GREENE
4902 113TH AVENUE NORTH
CLEARWATER FL 33609

ISSUED: 11/17/2015 DISPLAY AS REQUIRED BY LAW SEQ # L1511170001958

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

ASBESTOS LICENSING UNIT
1940 NORTH MONROE STREET
TALLAHASSEE FL 32399-0783

(850) 487-1395

GREENE, ROBERT BLAIR
GLE ASSOCIATES INC
4300 W CYPRESS STREET SUITE 400
TAMPA FL 33607

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STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

EA0000009 ISSUED: 11/30/2014

ASBESTOS CONSULTANT - ENGINEER
GREENE, ROBERT BLAIR
GLE ASSOCIATES INC

IS LICENSED under the provisions of Ch.469 FS.
Expiration date : NOV 30, 2016 L1411300002420

DETACH HERE

RICK SCOTT, GOVERNOR KEN LAWSON, SECRETARY

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
ASBESTOS LICENSING UNIT

LICENSE NUMBER
EA0000009

The ASBESTOS CONSULTANT - ENGINEER
Named below IS LICENSED
Under the provisions of Chapter 469 FS.
Expiration date: NOV 30, 2016

GREENE, ROBERT BLAIR
GLE ASSOCIATES INC
4300 W. CYPRESS STREET
SUITE 400
TAMPA FL 33607

ISSUED: 11/30/2014 DISPLAY AS REQUIRED BY LAW SEQ # L1411300002420

ABIH®

american board of industrial hygiene®

organized to improve the practice of industrial hygiene
proclaims that

Robert B. Greene

having met all requirements of
education, experience and examination, and
ongoing maintenance,
is hereby certified in the

COMPREHENSIVE PRACTICE
of
INDUSTRIAL HYGIENE

and has the right to use the designations

CERTIFIED INDUSTRIAL HYGIENIST

CIH

Certificate Number	**6773 CP**
Awarded:	**July 21, 1995**
Expiration Date:	**December 1, 2016**

American Board of Industrial Hygiene ABIH

Chair ABIH

Executive Director ABIH

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

MOLD-RELATED SERVICES LICENSING PROGRAM (850) 487-1395
2601 BLAIR STONE ROAD
TALLAHASSEE FL 32399-0783

GREENE, ROBERT BLAIR
5405 CYPRESS CENTER DRIVE SUITE 110
TAMPA FL 33609

Congratulations! With this license you become one of the nearly one million Floridians licensed by the Department of Business and Professional Regulation. Our professionals and businesses range from architects to yacht brokers, from boxers to barbeque restaurants, and they keep Florida's economy strong.

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STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND
PROFESSIONAL REGULATION

MRSA2375 ISSUED: 07/20/2016

MOLD ASSESSOR
GREENE, ROBERT BLAIR

IS CERTIFIED under the provisions of Ch.468 FS.
Expiration date : JUL 31, 2018 L1607200001455

DETACH HERE

RICK SCOTT, GOVERNOR KEN LAWSON, SECRETARY

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
MOLD-RELATED SERVICES LICENSING PROGRAM

LICENSE NUMBER	
MRSA2375	

The MOLD ASSESSOR
Named below IS CERTIFIED
Under the provisions of Chapter 468 FS.
Expiration date: JUL 31, 2018

GREENE, ROBERT BLAIR
5405 CYPRESS CENTER DRIVE SUITE 110
TAMPA FL 33609

ISSUED: 07/20/2016 DISPLAY AS REQUIRED BY LAW SEQ # L1607200001455

GLE Associates, Inc. FL 49-0001218

5405 Cypress Center Drive ~ Suite 110 ~ Tampa, Florida 33609 ~ (813) 241-8350

certifies that

James E. Riser

has completed the requisite training for

ASBESTOS INSPECTOR REFRESHER

accreditation under TSCA Title II Course No.: FL 49-0002824

conducted on

September 26, 2015

at

TAMPA, FLORIDA

Certificate Number

6209

Passed Exam with score of 70% or better.

EPA Accreditation Expires: September 26, 2016

Instructor

GLE Associates, Inc.

Robert B. Greene

Environmental Training Fund

40795.6326CERT/PBRARE

900 N.W. 5TH Avenue, Fort Lauderdale, Florida 33311 (954) 524-7208

Processed By:

Seagull

To Authenticate Certificate
www.seagulltraining.com
1-800-966-9933

This is to Certify that

James E. Riser

XXX-XX-7391

5405 Cypress Center Dr. #110, Tampa, FL 33609

has successfully completed an English

Lead 8 Hr. Risk Assessor Refresher

10-Sep-15 TO 10-Sep-15

Includes: Arsenic, Barium, Cadmium, Chromium, Lead, Selenium, Silver, & Mercury

UNDER CIVIL AND CRIMINAL PENALTIES OF LAW FOR MAKING OR SUBMISSION OF FALSE OR FRAUDULENT STATEMENTS OR REPRESENTATIONS (18 U.S.C. 1001 AND 15 U.S.C 26 15), I CERTIFY THAT THIS TRAINING COMPLIES WITH ALL APPLICABLE REQUIREMENTS OF TITLE IV OF THE "TOXIC SUBSTANCES CONTROL ACT", 40 CFR PART 745 OR 763, AND ANY OTHER APPLICABLE FEDERAL, STATE, OR LOCAL REQUIREMENTS, AS AMENDED.

Trainer(s): Mark Knick

Training Address: 900 NW 5 AV, Fort Lauderdale, FL, 33311

Passed the hands-on assessment & completed the course exam on: 10-Sep-15

James F. Stump, Training Manager

Certificate Number: 165850

This Certificate Expires:

SUNSET DATE: **9-Sep-18** 09/09/18

Course Number: SE1537

USEPA's actual expiration date will appear on individual's license. See individual state rules for state expiration date.

United States Department of Commerce
National Institute of Standards and Technology

Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 102003-0

GLE Associates, Inc.

Tampa, FL

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

Asbestos Fiber Analysis

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

2016-04-01 through 2017-03-31

Effective Dates

David F. Alderman

For the National Voluntary Laboratory Accreditation Program

AIHA Laboratory Accreditation Programs, LLC

acknowledges that

Schneider Laboratories Global, Inc.

2512 West Cary Street, Richmond, VA 23220-5117

Laboratory ID: 100527

along with all premises from which key activities are performed, as listed above, has fulfilled the requirements of the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC accreditation to the ISO/IEC 17025:2005 international standard, *General Requirements for the Competence of Testing and Calibration Laboratories* in the following:

LABORATORY ACCREDITATION PROGRAMS

✓	**INDUSTRIAL HYGIENE**	Accreditation Expires: 06/01/2017
✓	**ENVIRONMENTAL LEAD**	Accreditation Expires: 06/01/2017
✓	**ENVIRONMENTAL MICROBIOLOGY**	Accreditation Expires: 06/01/2017
☐	**FOOD**	Accreditation Expires:
☐	**UNIQUE SCOPES**	Accreditation Expires:

Specific Field(s) of Testing (FoT)/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached **Scope of Accreditation**. Continued accreditation is contingent upon successful on-going compliance with ISO/IEC 17025:2005 and AIHA-LAP, LLC requirements. This certificate is not valid without the attached **Scope of Accreditation**. Please review the AIHA-LAP, LLC website (www.aihaaccreditedlabs.org) for the most current Scope.

Gerald R Schultz

Gerald Schultz, CIH
Chairperson, Analytical Accreditation Board

Cheryl O. Morton

Cheryl O. Morton
Managing Director, AIHA Laboratory Accreditation Programs, LLC

Revision 14: 03/26/2014

Date Issued: 08/31/2015

AIHA Laboratory Accreditation Programs, LLC
SCOPE OF ACCREDITATION

Schneider Laboratories Global, Inc.
2512 West Cary Street, Richmond, VA 23220-5117

Laboratory ID: **100527**
Issue Date: 08/31/2015

The laboratory is approved for those specific field(s) of testing/methods listed in the table below. Clients are urged to verify the laboratory's current accreditation status for the particular field(s) of testing/Methods, since these can change due to proficiency status, suspension and/or withdrawal of accreditation.

Industrial Hygiene Laboratory Accreditation Program (IHLAP)

Initial Accreditation Date: 12/01/1987

IHLAP Scope Category	**Field of Testing (FoT)** (FoTs cover all relevant IH matrices)	**Technology sub-type/ Detector**	**Published Reference Method/Title of In-house Method**	**Method Description or Analyte** *(for internal methods only)*
Chromatography Core	Gas Chromatography	GC/FID	NIOSH 1001	
			NIOSH 1003	
			NIOSH 1004	
			NIOSH 1005	
			NIOSH 1007	
			NIOSH 1010	
			NIOSH 1015	
			NIOSH 1018	
			NIOSH 1019	
			NIOSH 1020	
			NIOSH 1022	
			NIOSH 1300	
			NIOSH 1301	
			NIOSH 1302	
			NIOSH 1400	
			NIOSH 1401	
			NIOSH 1402	
			NIOSH 1403	
			NIOSH 1450	
			NIOSH 1451	
			NIOSH 1453	
			NIOSH 1454	
			NIOSH 1457	

IHLAP Scope Category	Field of Testing (FoT) (FoTs cover all relevant IH matrices)	Technology sub-type/ Detector	Published Reference Method/Title of In-house Method	Method Description or Analyte *(for internal methods only)*
Chromatography Core	Gas Chromatography	GC/FID	NIOSH 1458	
			NIOSH 1459	
			NIOSH 1500	
			NIOSH 1501	
			NIOSH 1550	
			NIOSH 1551	
			NIOSH 1552	
			NIOSH 1602	
			NIOSH 1603	
			NIOSH 1604	
			NIOSH 1606	
			NIOSH 1609	
			NIOSH 1610	
			NIOSH 1612	
			NIOSH 1613	
			NIOSH 1615	
			NIOSH 1616	
			NIOSH 1617	
			NIOSH 2000	
			NIOSH 2002	
			NIOSH 2004	
			NIOSH 2005	
			NIOSH 2007	
			NIOSH 2010	
			NIOSH 2011	
			NIOSH 2012	
			NIOSH 2500	
			NIOSH 2505	
			NIOSH 2508	
			NIOSH 2516	
			NIOSH 2520	
			NIOSH 2526	
			NIOSH 2527	
			NIOSH 2529	
			NIOSH 2530	
			NIOSH 2537	
			NIOSH 2538	
			NIOSH 2544	

IHLAP Scope Category	Field of Testing (FoT) (FoTs cover all relevant IH matrices)	Technology sub-type/ Detector	Published Reference Method/Title of In-house Method	Method Description or Analyte *(for internal methods only)*
Chromatography Core	Gas Chromatography	GC/FID	NIOSH 2545	
			NIOSH 2557	
			NIOSH 2558	
			NIOSH 5020	
			NIOSH 5517	
			NIOSH 5518	
			NIOSH 5523	
			NIOSH S-150	
			OSHA 07	
			OSHA 1004	
			OSHA 101	
			OSHA 102	
			OSHA 16	
			OSHA 21	
			OSHA 29	
			OSHA 46	
			OSHA 56	
			OSHA 72	
			OSHA 80	
			OSHA 83	
			OSHA 84	
			OSHA 94	
			OSHA 99	
			OSHA PV2003	
			OSHA PV2009	
			OSHA PV2011	
			OSHA PV2025	
			OSHA PV2041	
			OSHA PV2042	
			OSHA PV2047	
			OSHA PV2060	
			OSHA PV2081	
			OSHA PV2096	
			OSHA PV2100	
			OSHA PV2101	
		GC/ECD	NIOSH 1008	
			NIOSH 5503	
			OSHA 67	

IHLAP Scope Category	Field of Testing (FoT) (FoTs cover all relevant IH matrices)	Technology sub-type/ Detector	Published Reference Method/Title of In-house Method	Method Description or Analyte *(for internal methods only)*
Chromatography Core	Gas Chromatography (Diffusive Samplers)		NIOSH 1001 Modified	
			NIOSH 1003 Modified	
			NIOSH 1004 Modified	
			NIOSH 1005 Modified	
			NIOSH 1007 Modified	
			NIOSH 1008 Modified	
			NIOSH 1010 Modified	
			NIOSH 1015 Modified	
			NIOSH 1019 Modified	
			NIOSH 1020 Modified	
			NIOSH 1022 Modified	
			NIOSH 1300 Modified	
			NIOSH 1301 Modified	
			NIOSH 1302 Modified	
			NIOSH 1400 Modified	
			NIOSH 1401 Modified	
			NIOSH 1403 Modified	
			NIOSH 1450 Modified	
			NIOSH 1451 Modified	
			NIOSH 1453 Modified	
			NIOSH 1454 Modified	
			NIOSH 1457 Modified	
			NIOSH 1458 Modified	
			NIOSH 1459 Modified	
			NIOSH 1500 Modified	
			NIOSH 1501 Modified	
			NIOSH 1550 Modified	
			NIOSH 1600 Modified	
			NIOSH 1602 Modified	
			NIOSH 1604 Modified	
			NIOSH 1606 Modified	
			NIOSH 1610 Modified	
			NIOSH 1612 Modified	
			NIOSH 1615 Modified	
			NIOSH 1616 Modified	
			NIOSH 1617 Modified	
			NIOSH 2004 Modified	
			NIOSH 2500 Modified	

IHLAP Scope Category	Field of Testing (FoT) (FoTs cover all relevant IH matrices)	Technology sub-type/ Detector	Published Reference Method/Title of In-house Method	Method Description or Analyte *(for internal methods only)*
Chromatography Core	Gas Chromatography (Diffusive Samplers)		NIOSH 2505 Modified	
			NIOSH 2508 Modified	
			NIOSH 2520 Modified	
			NIOSH 2529 Modified	
			NIOSH 2537 Modified	
			NIOSH 2555 Modified	
			OSHA 07 Modified	
			OSHA 1004	
			OSHA 101 Modified	
			OSHA 16 Modified	
			OSHA 56 Modified	
			OSHA 72 Modified	
			OSHA 80 Modified	
			OSHA 83 Modified	
			OSHA 84 Modified	
			OSHA 94 Modified	
			OSHA 99 Modified	
			OSHA PV2041 Modified	
			OSHA PV2042 Modified	
	Ion Chromatography (IC)		EPA 300.0	
			NIOSH 6004	
			NIOSH 6005	
			NIOSH 6011	
			NIOSH 6013	
			NIOSH 6016	
			NIOSH 7903	
			NIOSH 7906	
			OSHA ID-113	
			OSHA ID-182	
			OSHA ID-188	
			OSHA ID-190	
			OSHA ID-202	
			OSHA ID-214	
	Liquid Chromatography	HPLC/FL	NIOSH 5506	
			OSHA 42	
			OSHA 47	
			OSHA 58	
			OSHA PV2034	
			OSHA PV2092	

IHLAP Scope Category	Field of Testing (FoT) (FoTs cover all relevant IH matrices)	Technology sub-type/ Detector	Published Reference Method/Title of In-house Method	Method Description or Analyte *(for internal methods only)*
Chromatography Core	Liquid Chromatography	HPLC/UV	NIOSH 1014	
			NIOSH 2016	
			NIOSH 2514	
			NIOSH 2523	
			NIOSH 2546	
			NIOSH 5002	
			NIOSH 5004	
			NIOSH 5008	
			NIOSH 5009	
			NIOSH 5515	
			OSHA 31	
			OSHA 32	
			OSHA 34	
			OSHA 36	
			OSHA 39	
			OSHA 40	
			OSHA 41	
			OSHA 55	
			OSHA 57	
			OSHA 60	
			OSHA 63	
			OSHA 64	
			OSHA 78	
			OSHA 86	
			OSHA 90	
			OSHA PV2005	
Spectrometry Core	Atomic Absorption	CVAA	NIOSH 6009 Modified	
			OSHA ID-145 Modified	
		FAA	NIOSH 7082 Modified	
			NIOSH 7102 Modified	
			OSHA ID-121	
		GFAA	EPA 7010 Modified	
	Inductively-Coupled Plasma	ICP/AES	NIOSH 7300 Modified	
			NIOSH 7303 Modified	
	UV/VIS (Colorimetric)		NIOSH 7600	
	Infrared		NIOSH 5026	
			NIOSH 7602	
Asbestos/Fiber Microscopy Core	Phase Contrast Microscopy (PCM)		NIOSH 7400	

IHLAP Scope Category	Field of Testing (FoT) (FoTs cover all relevant IH matrices)	Technology sub-type/ Detector	Published Reference Method/Title of In-house Method	Method Description or Analyte *(for internal methods only)*
Miscellaneous Core	Gravimetric		NIOSH 0500	
			NIOSH 0600	
			NIOSH 5000	
			OSHA 58	

A complete listing of currently accredited Industrial Hygiene laboratories is available on the AIHA-LAP, LLC website at: http://www.aihaaccreditedlabs.org

AIHA Laboratory Accreditation Programs, LLC
SCOPE OF ACCREDITATION

Schneider Laboratories Global, Inc.
2512 West Cary Street, Richmond, VA 23220-5117

Laboratory ID: **100527**
Issue Date: 08/31/2015

The laboratory is approved for those specific field(s) of testing/methods listed in the table below. Clients are urged to verify the laboratory's current accreditation status for the particular field(s) of testing/Methods, since these can change due to proficiency status, suspension and/or withdrawal of accreditation.

The EPA recognizes the AIHA-LAP, LLC ELLAP program as meeting the requirements of the National Lead Laboratory Accreditation Program (NLLAP) established under Title X of the Residential Lead-Based Paint Hazard Reduction Act of 1992 and includes paint, soil and dust wipe analysis. Air analysis is not included as part of the NLLAP.

Environmental Lead Laboratory Accreditation Program (ELLAP)

Initial Accreditation Date: 05/06/1994

Field of Testing (FoT)	Technology sub-type/ Detector	Method	Method Description (*for internal methods only*)
Paint		ASTM E1613-04	
		ASTM E1645-01	
		EPA SW-846 3050B	
		EPA SW-846 6010C	
		EPA SW-846 7000B	
Soil		EPA SW-846 3050B	
		EPA SW-846 6010C	
		EPA SW-846 7000B	
Settled Dust by Wipe		EPA SW-846 3050B (Modified)	
		EPA SW-846 6010C	
		EPA SW-846 7000B	
Airborne Dust		EPA SW-846 7000B	
		NIOSH 7082 Modified	
		NIOSH 7105 Modified	
		NIOSH 7300 Modified	

A complete listing of currently accredited Environmental Lead laboratories is available on the AIHA-LAP, LLC website at: http://www.aihaaccreditedlabs.org

AIHA Laboratory Accreditation Programs, LLC

SCOPE OF ACCREDITATION

Schneider Laboratories Global, Inc.
2512 West Cary Street, Richmond, VA 23220-5117

Laboratory ID: **100527**
Issue Date: 08/31/2015

The laboratory is approved for those specific field(s) of testing/methods listed in the table below. Clients are urged to verify the laboratory's current accreditation status for the particular field(s) of testing/Methods, since these can change due to proficiency status, suspension and/or withdrawal of accreditation.

Environmental Microbiology Laboratory Accreditation Program (EMLAP)

Initial Accreditation Date: 09/01/2013

EMLAP Category	Field of Testing (FoT)	Method	Method Description (*for internal methods only*)
Fungal	Air - Direct Examination	MB-009	In House: SOP for Non-Culturable Direct Examination of Mold
	Bulk - Direct Examination	MB-009	In House: SOP for Non-Culturable Direct Examination of Mold
	Surface - Direct Examination	MB-009	In House: SOP for Non-Culturable Direct Examination of Mold

A complete listing of currently accredited Environmental Microbiology laboratories is available on the AIHA-LAP, LLC website at: http://www.aihaaccreditedlabs.org

AIHA Laboratory Accreditation Programs, LLC

acknowledges that

EMSL Analytical, Inc.

5125 Adanson Street, Suite 900, Orlando, FL 32804

Laboratory ID: 163563

along with all premises from which key activities are performed, as listed above, has fulfilled the requirements of the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC accreditation to the ISO/IEC 17025:2005 international standard, *General Requirements for the Competence of Testing and Calibration Laboratories* in the following:

LABORATORY ACCREDITATION PROGRAMS

☐	**INDUSTRIAL HYGIENE**	Accreditation Expires:
✓	**ENVIRONMENTAL LEAD**	Accreditation Expires: 09/01/2017
✓	**ENVIRONMENTAL MICROBIOLOGY**	Accreditation Expires: 09/01/2017
☐	**FOOD**	Accreditation Expires:
☐	**UNIQUE SCOPES**	Accreditation Expires:

Specific Field(s) of Testing (FoT)/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached **Scope of Accreditation**. Continued accreditation is contingent upon successful on-going compliance with ISO/IEC 17025:2005 and AIHA-LAP, LLC requirements. This certificate is not valid without the attached **Scope of Accreditation**. Please review the AIHA-LAP, LLC website (www.aihaaccreditedlabs.org) for the most current Scope.

Gerald R Schultz

Gerald Schultz, CIH
Chairperson, Analytical Accreditation Board

Cheryl O. Morton

Cheryl O. Morton
Managing Director, AIHA Laboratory Accreditation Programs, LLC

Revision 14: 03/26/2014

Date Issued: 07/31/2015

AIHA Laboratory Accreditation Programs, LLC
SCOPE OF ACCREDITATION

EMSL Analytical, Inc.
5125 Adanson Street, Suite 900, Orlando, FL 32804

Laboratory ID: **163563**
Issue Date: 07/31/2015

The laboratory is approved for those specific field(s) of testing/methods listed in the table below. Clients are urged to verify the laboratory's current accreditation status for the particular field(s) of testing/Methods, since these can change due to proficiency status, suspension and/or withdrawal of accreditation.

The EPA recognizes the AIHA-LAP, LLC ELLAP program as meeting the requirements of the National Lead Laboratory Accreditation Program (NLLAP) established under Title X of the Residential Lead-Based Paint Hazard Reduction Act of 1992 and includes paint, soil and dust wipe analysis. Air analysis is not included as part of the NLLAP.

Environmental Lead Laboratory Accreditation Program (ELLAP)

Initial Accreditation Date: 09/01/2007

Field of Testing (FoT)	Technology sub-type/ Detector	Method	Method Description (*for internal methods only*)
Paint		EPA SW-846 3050B	
		EPA SW-846 7000B	
Soil		EPA SW-846 3050B	
		EPA SW-846 7000B	
Settled Dust by Wipe		EPA SW-846 3050B	
		EPA SW-846 7000B	
Airborne Dust		NIOSH 7082	

A complete listing of currently accredited Environmental Lead laboratories is available on the AIHA-LAP, LLC website at: http://www.aihaaccreditedlabs.org

APPENDIX C
Sample Location Plan

GENERAL LEGEND

MICROBIOLOGICAL AIR SAMPLE LOCATION

M–01B: NEGATIVE SAMPLE LOCATION

LP–01: LEAD PAINT SAMPLE LOCATION

EXTENT OF ASSESSMENT AREA

ENVIRONMENTAL HAZARD LEGEND

MOLD CONTAMINATED DRYWALL

NO MATERIALS SAMPLED INDICATED
ASBESTOS OR LEAD PAINT TO BE PRESENT

REVISIONS	BY

VRG SERVICES, LLC
SERVICE DISABLED VETERAN OWNED BUSINESS

Prepared For:
U.S DEPT. OF VETERANS AFFAIRS
10000 BAY PINES BLVD.
BAY PINES, FLORIDA 33744

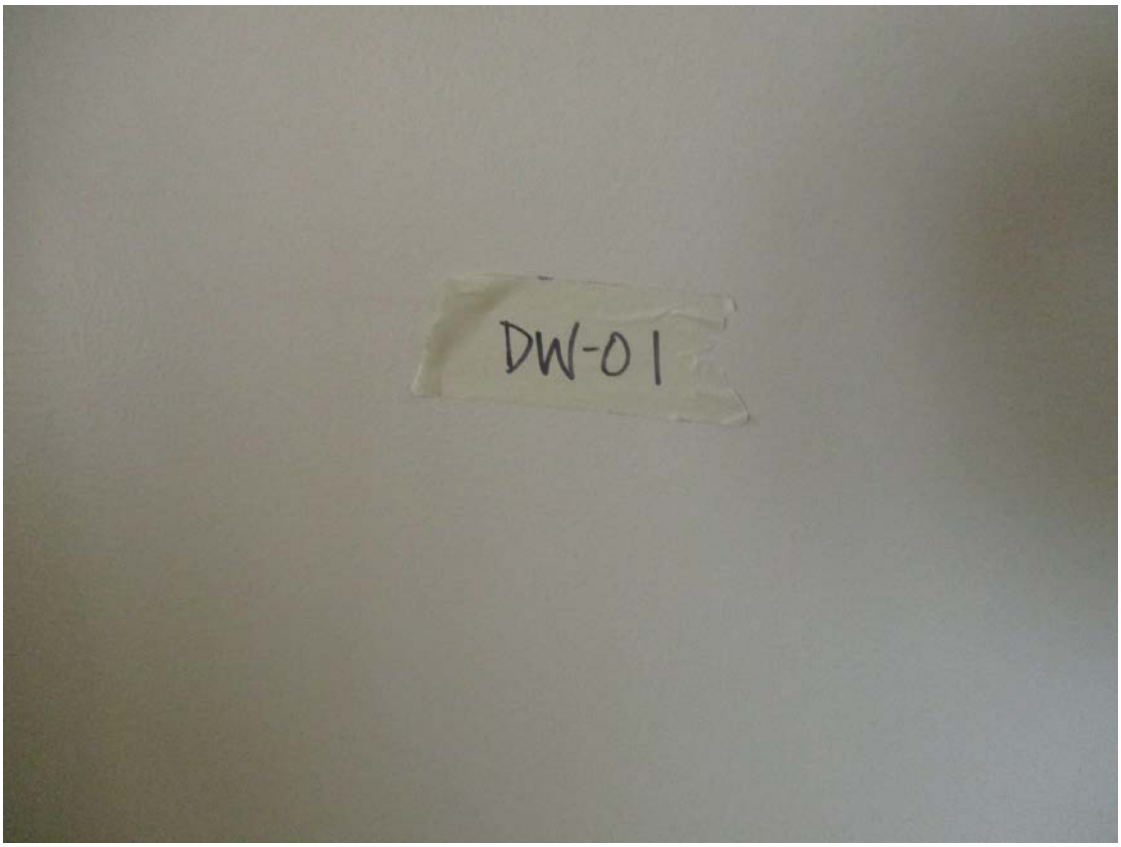
Prepared By: VRG SERVICES, LLC
4902 113TH AVENUE NORTH
CLEARWATER, FLORIDA 33760
PH. (813) 999–2009 FAX (813) 849–0330

SAMPLE LOCATION PLAN

BAY PINES VA BUILDING 100
ROOMS 5C–119–123
10000 BAY PINES BLVD.
BAY PINES, FLORIDA 33744

DRAWN	VPH
CHECKED	JR
DATE	01/27/2017
JOB NO.	16950–90018
SCALE	N.T.S.
GLF CAD NO.	16950–90018
SHEET	AS-1
	OF 1 SHEET(S)

APPENDIX D
Photographs



Upper Photo: CT-01: 2x2 Fissured Ceiling Tile

Lower Photo: DW-01: Drywall

Photograph Date:
July 29, 2016

Prepared By: VRG Services, LLC
4902 113th Avenue North
Clearwater, Florida 33760
Phone: (813) 999-2009 fax: (813) 849-0330

VRG

Bay Pines VA Bldg 100 5C Rooms 119 & 122
Bay Pines, FL

Drawn	Job No.
JER	16950-90018
Checked	Figure
JER	D-1
Date	
09/26/16	

Upper Photo: M-01: Cove Base and Adhesive

Lower Photo: Wall with Mold Contamination in 5C-122

Photograph Date: July 29, 2016

Prepared By: VRG Services, LLC
4902 113th Avenue North
Clearwater, Florida 33760
Phone: (813) 999-2009 fax: (813) 849-0330

VRG

Bay Pines VA Bldg 100 5C Rooms 119 & 122
Bay Pines, FL

Drawn	Job No.
JER	16950-90018
Checked	Figure
JER	D-2
Date	
09/26/16	

Upper Photo: Wall with Mold Contamination in 5C-122

Lower Photo: No Photo

Photograph Date:
July 29, 2016

Prepared By: VRG Services, LLC
4902 113th Avenue North
Clearwater, Florida 33760
Phone: (813) 999-2009 fax: (813) 849-0330

Bay Pines VA Bldg 100 5C Rooms 119 & 122
Bay Pines, FL

Drawn	Job No.
JER	16950-90018
Checked	Figure
JER	D-3
Date	
09/26/16	