



# **ASBESTOS CONTAINING BUILDING MATERIAL REPORT BUILDING 12**

**Bay Pines VA Medical Center  
10000 Bay Pines Boulevard  
Bay Pines, Florida**

Project No. 2009011.001

July 31, 2009



**Mabbett & Associates, Inc.  
Environmental Consultants & Engineers**

*5 Alfred Circle  
Bedford, MA 01730-2318  
Telephone: (781) 275-6050  
Toll Free: (800) 877-6050  
Facsimile: (781) 275-5651*

[info@mabbett.com](mailto:info@mabbett.com)

[www.mabbett.com](http://www.mabbett.com)

© 2009, Mabbett & Associates, Inc.

## ACKNOWLEDGMENT

This Asbestos Building Survey/Analytical Report was prepared for the Department of Veteran Affairs Medical Center, Bay Pines, Florida in anticipation of potential future building renovations and in accordance with an established scope of work as defined in Contract Number VA248-P-1114. The information presented herein is based on the facts and information conveyed to or received by M&A during the preparation of this report. If any of the information provided to M&A that was used in preparing this plan is incorrect, incomplete, or subject to change, M&A would wish to alter its opinion(s) accordingly. In addition, the professional opinions and information contained in this report are based solely on the requirements of the applicable regulations and technical data as known to M&A as of the date of this report and considered applicable to this report.

This report was prepared by the following Mabbett & Associates, Inc. personnel:



---

Jody Freitas  
Environmental Engineer



---

Robert K. McKinley, CIH  
Director of Industrial Hygiene

This report has been reviewed and approved by:

BY:



---

Angelo Caparelli, MBA, B.Sc., CSP, FLAC  
Florida Licensed Asbestos Consultant (AX55)  
Certified Asbestos Inspector EPA# 101796

## TABLE OF CONTENTS

Description	Page
1.0 INTRODUCTION & EXECUTIVE SUMMARY	1
2.0 BUILDING DESCRIPTION	1
3.0 SAMPLING METHODOLOGY	1
4.0 ANALYTICAL METHODOLOGY	2
5.0 SUMMARY OF ASBESTOS CONTAINING MATERIALS (ACM) FINDINGS	2
6.0 LIMITATIONS	4
7.0 CLOSING REMARKS	4

### **Table** Table of ACM Results

### **Photos** Photos of Positive Representative Samples

### **Drawings** 18" x 32" Floor Plan (with ACM survey information)

### **Appendices/Back-up Data**

Appendix A	Laboratory Certifications/Asbestos Laboratory Analysis Reports
Appendix B	Inspector Field Data Sheets

## **1.0 INTRODUCTION & EXECUTIVE SUMMARY**

Mabbett and Associates, Inc. (M&A) with ECS Florida, LLC (ECS) as a sub-contractor performed a pre-renovation asbestos-containing materials (ACM) inspection survey of the VA Medical Center located at 10000 Bay Pines Boulevard, Bay Pines, Florida under contract VA248-P-1114. Site survey work was performed during June and July, 2009, by appropriately credentialed personnel as required. There were 132 samples collected during the course of the survey phase. Samples collected were analyzed by a certified laboratory for asbestos content by polarized light microscopy (PLM) using stop positive methodology. Materials consisting of multiple layers were analyzed separately. The results of the survey indicated the presence of asbestos in the building.

This building report consists of a summary of findings, floor plans indicating sample locations and findings information, detailed analytical findings for the specific surveyed building, photos of identified ACM positive homogenous samples; and Appendices/Back-up Data, including laboratory results and field data sheets.

## **2.0 BUILDING DESCRIPTION**

According to information provided by VAMC Bay Pines and observations made during the field survey, Building 12 was a one-story Animal Research Laboratory built in 1932-1933. Building 12 was approximately 3,291 square feet (ft<sup>2</sup>).

## **3.0 SAMPLING METHODOLOGY**

Samples of suspected ACM including floor tile, mastic, plaster, etc. were collected from accessible building locations according to the scope of work, Pinellas County Code Chapter 58, National Emission Standards for Hazardous Air Pollutants (NESHAP) 40 CFR Part 61 and other applicable state and Federal guidelines. Bulk material sampling was conducted according to the following sampling plan:

### **a) Surfacing material:**

- (1) At least three bulk samples shall be collected from each homogeneous area that is 1,000 ft<sup>2</sup> or less.
- (2) At least five bulk samples shall be collected from each homogeneous area that is greater than 1,000 ft<sup>2</sup> but less than or equal to 5,000 ft<sup>2</sup>.
- (3) At least seven bulk samples shall be collected from each homogeneous area that is greater than 5,000 ft<sup>2</sup>.

### **(b) Thermal system insulation:**

- (1) At least three bulk samples from each homogeneous area of thermal system insulation
- (2) At least one bulk sample from each homogeneous area of patched area of thermal system insulation.
- (3) Sufficient samples from elbows and fittings to determine if it contains ACM.
- (4) Bulk samples were not collected from any homogeneous area where the accredited inspector determined that the thermal system insulation is fiberglass, foam glass, rubber, or other non-ACBM.

(c) Miscellaneous material:

- (1) At least one bulk sample shall be collected from each homogeneous area that is less than 100 ft<sup>2</sup>
- (2) At least three bulk samples shall be collected from each homogeneous area that is greater than 100 ft<sup>2</sup>

A visual screening inspection was conducted by Florida Licensed Asbestos Inspectors throughout the entire Building 12 to determine the locations of suspect ACM. Only areas that were accessible during the field work phase were inspected. Many offices, patient care areas, and other sensitive areas were not accessible by the survey teams. Any suspect ACM that may be present within the walls, above inaccessible hard ceilings, or in other inaccessible locations, that was not inspected should be assumed to contain asbestos if discovered during any renovation process or until otherwise verified.

#### **4.0 ANALYTICAL METHODOLOGY**

The bulk asbestos samples collected including available layers were analyzed by polarized light microscopy (PLM). Sampling results are summarized in the enclosed Building Results Table. The PLM analytical protocol requires each layer of the sample to be analyzed separately. The quantity of analyses will vary based on the number of layers in a sample and whether a "positive stop" is employed. Note: when one sample of a homogeneous area is positive, the remainder of the samples was not analyzed because the entire homogeneous area is considered positive, as indicated on the results tables and drawings.

NESHAP requires that if the asbestos content of friable ACM is less than 10%, as determined by a method other than point counting by PLM, verify the asbestos content by point counting using PLM.

Samples were submitted to EMSL Analytical, Inc., of Orlando, FL and Beltsville, MD for PLM analysis of bulk materials via EPA 600/R-93/116 Method. PLM analysis was conducted in conjunction with dispersion staining as outlined by 40 CFR 63, Subpart F dated January 1987. EMSL Analytical is accredited by the American Industrial Hygiene Association (AIHA) and participates in the National Voluntary Laboratory Accreditation Program (NVLAP License 101151-0). Copies of the laboratory accreditations are included in Appendix A.

For purposes of this report and consistent with county and Federal regulations, asbestos containing materials are any materials containing more than one percent (1%) asbestos as determined by PLM.

#### **5.0 SUMMARY OF ASBESTOS CONTAINING MATERIALS (ACM) FINDINGS**

A table with all available sample results for this building is enclosed with a summary of positive sample locations below. Where a sample was found positive, a representative photo of the material is provided in the Photos section of this report. Analytical results and Inspector Field Notes are provided in Appendix A and Appendix B respectively.

The CADD drawing for this building shows approximate asbestos sample locations and shortened sample numbers. The floor plan legend shows positive sample numbers and associated positive (stop positives) in blue on the drawing. Building areas containing ACM are shown on the drawing in red with markings to indicate the kind of material (e.g., floor tile).

## Summary of Positive ACM Samples

Sample#	Sample Location	ACM Location	Description of Material	Percent and Type of Asbestos	Condition	Estimated Quantity	NESHAP Category
38 Floor	5A	Storage	12" x 12" White Floor Tile	2% Chrysotile	Good	110 SF	I
41	1	Office	Brown Carpet Mastic	2% Chrysotile	Good	100 SF	I
53	10	Workman	Air Cell-like Pipe Insulation	15% Chrysotile	Good	250 SF	Friable
56	11	Garage	9" x 9" Light Brown Floor Tile	2% Chrysotile	Good	12 SF	I
59	12	Lab	9" x 9" Burgundy Floor Tile	4% Chrysotile	Good	260 SF	I
62	11	Lab	9" x 9" Dark Burgundy Floor Tile	4% Chrysotile	Good	260 SF	I
56A Floor	11	Garage	9" x 9" Light Brown Floor Tile	6% Chrysotile	Good	12 SF	I
59A Floor	12	Lab	9" x 9" Burgundy Floor Tile	2% Chrysotile	Good	260 SF	I

SF – Square Feet

LF – Linear Feet

Category I – non-friable asbestos-containing material (ACM) – means asbestos-containing packings, gaskets, resilient floor covering, and asphalt roofing products containing more than 1 percent asbestos as determined using the method specified in Appendix A, Subpart F, 40 CFR part 763, Section 1, Polarized Light Microscopy.

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 A, Subpart F, 40 CFR part 763, Section I, Polarized Light Microscopy that, when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure.

Friable asbestos material – means any material containing more than 1 percent asbestos as determined using the method specified in Appendix A, Subpart F, 40 CFR part 763 Section I, Polarized Light Microscopy, that, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure.

## **6.0 LIMITATIONS**

This inspection report is the result of a diligent search of the building for asbestos containing building materials. The purpose of this inspection was to identify ACM. Only materials that were accessible were sampled and submitted to the laboratory for asbestos analysis. However comprehensive this inspection appears, it does not claim to have identified all of the asbestos-containing materials present in the facility. M&A's evaluation was performed with limitations inherent to visual inspections. M&A has conducted this assessment with reasonable care and has performed this study within general industry standards. As with any study of this nature, limitations are inherent. There can be no assurances, and M&A makes no assurances, that the said information, research, and technology may not change in the future, thus affecting the services provided. M&A understands that you will be the sole recipient of our report and will not distribute the report to any other party without prior written approval.

## **7.0 CLOSING REMARKS**

The VAMC should assume materials not previously sampled due to accessibility, etc. which will be impacted by any future renovation activities to be asbestos-containing materials unless proved otherwise. Only Florida Licensed Asbestos Consultants can state that a building material is presumed to be asbestos-containing. If asbestos-containing materials must be disturbed as a part of the renovations, all ACMs must be removed by a State of Florida licensed asbestos abatement contractor. If proposed renovations will not disturb asbestos-containing materials, continuous monitoring of ACMs should be conducted throughout renovation activities to ensure the ACMs remain in an intact condition. Additionally, prior to commencing renovations, all contractors involved with the renovations should be made aware of the location and quantity of ACM within the building in which they will be working.

If any asbestos-containing material is damaged or becomes damaged it should be repaired, if possible, or removed entirely.

Prior to initiating any renovation or demolition project, Federal Law requires that the local EPA representative's office be notified in writing at least 10 working days prior to the onset of the project. The State Asbestos Coordinator's Office also requires a copy of the notification (address to State Asbestos Coordinator, State of Florida Environmental Regulation, 2600 Blare Stone Road, Tallahassee, Florida 32399-2400).

## TABLE



Asbestos Screening Results  
VA Medical Center - Bay Pines, FL

Building 12

Sample #	Room #	Area Designation	Description of Material	Asbestos % Type <sup>(a)</sup>	Estimated Quantity	Location	Condition	NESHAP Category
12JWM 1	1	Office	Grey Sheet Flooring	NAD				
12JWM 2	1	Office	Grey Sheet Flooring	NAD				
12JWM 3	1	Office	Grey Sheet Flooring	NAD				
12SJM 1A*	1	Office	Yellow Mastic	NAD				
12SJM 2A*	1	Office	Yellow Mastic	NAD				
12SJM 3A*	1	Office	Yellow Mastic	NAD				
12JWM 4	1	Office	12" x 12" Black Mottled Floor Tile	NAD				
12SJM 4A Floor Tile	1	Office	12" x 12" Black Mottled Floor Tile	NAD				
12JWM 5	1	Office	12" x 12" Black Mottled Floor Tile	NAD				
12SJM 5A Floor Tile	1	Office	12" x 12" Black Mottled Floor Tile	NAD				
12JWM 6	1	Office	12" x 12" Black Mottled Floor Tile	NAD				
12SJM 6A Floor Tile	1	Office	12" x 12" Black Mottled Floor Tile	NAD				
12JWM 4A Mastic*	1	Office	Black Mastic	NAD				
12SJM 5A Mastic*	1	Office	Black Mastic	NAD				
12SJM 6A Mastic*	1	Office	Black Mastic	NAD				
12JWM 7	1	Office	Leveling Compound under Black Floor Tile	NAD				
12JWM 8	1	Office	Leveling Compound under Black Floor Tile	NAD				
12JWM 9	1	Office	Leveling Compound under Black Floor Tile	NAD				
12JWM 10 Floor	3	Office	9" x 9" Green Floor Tile	NAD				
12JWM 11 Floor	3	Office	9" x 9" Green Floor Tile	NAD				
12JWM 12 Floor	3	Office	9" x 9" Green Floor Tile	NAD				
12JWM 10 Mastic	3	Office	Brown Mastic	NAD				
12JWM 11 Mastic	3	Office	Brown Mastic	NAD				
12JWM 12 Mastic	3	Office	Brown Mastic	NAD				
12JWM 13 Finish	3	Office	Wall Plaster	NAD				
12JWM 14 Finish	3	Office	Wall Plaster	NAD				
12JWM 15 Finish	3	Office	Wall Plaster	NAD				
12JWM 16 Finish	1	Office	Wall Plaster	NAD				
12JWM 17 Finish	1	Office	Wall Plaster	NAD				
12JWM 18 Finish	1	Office	Wall Plaster	NAD				
12JWM 19 Finish	1	Office	Wall Plaster	NAD				
12JWM 13 Base	3	Office	Wall Plaster	NAD				
12JWM 14 Base	3	Office	Wall Plaster	NAD				
12JWM 15 Base	3	Office	Wall Plaster	NAD				
12JWM 16 Base	1	Office	Wall Plaster	NAD				
12JWM 17 Base	1	Office	Wall Plaster	NAD				
12JWM 18 Base	1	Office	Wall Plaster	NAD				
12JWM 19 Base	1	Office	Wall Plaster	NAD				
12JWM 20	3	Office	New 2' x 4' Pinhole Fissure Ceiling Tile	NAD				
12JWM 21	3	Office	New 2' x 4' Pinhole Fissure Ceiling Tile	NAD				
12JWM 22	3	Office	New 2' x 4' Pinhole Fissure Ceiling Tile	NAD				
12JWM 23	3	Office	Old 2' x 4' Pinhole Fissure Ceiling Tile	NAD				
12JWM 24	3	Office	Old 2' x 4' Pinhole Fissure Ceiling Tile	NAD				
12JWM 25	3	Office	Old 2' x 4' Pinhole Fissure Ceiling Tile	NAD				
12JWM 26	3	Office	Grey Wallboard	NAD				
12JWM 27	3	Office	Grey Wallboard	NAD				
12JWM 28	3	Office	Grey Wallboard	NAD				
12JWM 29	3	Office	Red Fire Stop	NAD				
12JWM 30	3	Office	Red Fire Stop	NAD				
12JWM 31	3	Office	Red Fire Stop	NAD				
12JWM 32	3	Office	Blue Wall Penetration Caulk	NAD				
12JWM 33	3	Office	Blue Wall Penetration Caulk	NAD				

Asbestos Screening Results  
VA Medical Center - Bay Pines, FL

Building 12

Sample #	Room #	Area Designation	Description of Material	Asbestos % Type <sup>(a)</sup>	Estimated Quantity	Location	Condition	NESHAP Category
12JWM 34	3	Office	Blue Wall Penetration Caulk	NAD				
12JWM 35	3	Exterior Walls	Black Wall Waterproofing	NAD				
12JWM 36	3	Exterior Walls	Black Wall Waterproofing	Not Submitted				
12JWM 37	3	Exterior Walls	Black Wall Waterproofing	Not Submitted				
12JWM 38 Floor	5A	Storage	12" x 12" White Floor Tile	2% Chrysotile	110 Square Feet	5A	Good	I
12JWM 39 Floor	5A	Storage	12" x 12" White Floor Tile	stop positive	110 Square Feet	Office 1	Good	I
12JWM 40 Floor	5A	Storage	12" x 12" White Floor Tile	stop positive	110 Square Feet	Office 1	Good	I
12JWM 38 Mastic	5A	Storage	Yellow Mastic	NAD				
12JWM 39 Mastic	5A	Storage	Yellow Mastic	NAD				
12JWM 40 Mastic	5A	Storage	Yellow Mastic	NAD				
12JWM 41	1	Office	Brown Carpet Mastic	2% Chrysotile	100 Square Feet	Office 1	Good	I
12JWM 42	1	Office	Brown Carpet Mastic	stop positive	100 Square Feet	Office 1	Good	I
12JWM 43	1	Office	Brown Carpet Mastic	stop positive	100 Square Feet	Office 1	Good	I
12JWM 44	10	Workman	12" x 12" White w/ Black Specs Floor Tile	NAD				
12JWM 45	10	Workman	12" x 12" White w/ Black Specs Floor Tile	NAD				
12JWM 46	10	Workman	12" x 12" White w/ Black Specs Floor Tile	NAD				
12SJM 44A*	10	Workman	White Mastic	NAD				
12SJM 45A*	10	Workman	White Mastic	NAD				
12SJM 46A*	10	Workman	White Mastic	NAD				
12JWM 47	3	Above Ceiling Tile	Grey Circular Duct Mastic	NAD				
12JWM 48	3	Above Ceiling Tile	Grey Circular Duct Mastic	NAD				
12JWM 49	3	Above Ceiling Tile	Grey Circular Duct Mastic	NAD				
12JWM 50	6	Hallway	Baseboard Mastic	NAD				
12JWM 51	6	Hallway	Baseboard Mastic	NAD				
12JWM 52	1	Office	Baseboard Mastic	NAD				
12JWM 53	10	Workman	Air Cell Pipe Insulation	15% Chrysotile	250 Square Feet	Workman and Garage	Good	Friable
12JWM 54	16	Garage	Air Cell Pipe Insulation	stop positive	250 Square Feet	Workman and Garage	Good	Friable
12JWM 55	16	Garage	Air Cell Pipe Insulation	stop positive	250 Square Feet	Workman and Garage	Good	Friable
12JWM 56	11	Garage	9" x 9" Light Brown Floor Tile	2% Chrysotile	12 Square Feet	Garage	Good	I
12SJM 56A Floor*	11	Lab	9" x 9" Light Brown Floor Tile	6% Chrysotile	12 Square Feet	Garage	Good	I
12JWM 57	11	Lab	9" x 9" Light Brown Floor Tile	stop positive	12 Square Feet	Garage	Good	I
12SJM 57A Floor*	11	Lab	9" x 9" Light Brown Floor Tile	6% Chrysotile	12 Square Feet	Garage	Good	I
12JWM 58	11	Lab	9" x 9" Light Brown Floor Tile	stop positive	12 Square Feet	Garage	Good	I
12SJM 58A Floor*	11	Lab	9" x 9" Light Brown Floor Tile	6% Chrysotile	12 Square Feet	Garage	Good	I
12SJM 56A Mastic*	11	Lab	Black Mastic	NAD				
12SJM 57 A Mastic*	11	Lab	Black Mastic	NAD				
12SJM 58A Mastic*	11	Lab	Black Mastic	NAD				
12JWM 59	12	Lab	9" x 9" Burgundy Floor Tile	4% Chrysotile	260 Square Feet	Lab 12	Good	I
12SJM 59A Floor*	12	Lab	9" x 9" Burgundy Floor Tile	2% Chrysotile	260 Square Feet	Lab 12	Good	I
12JWM 60	11	Lab	9" x 9" Burgundy Floor Tile	stop positive	260 Square Feet	Lab 12	Good	I
12SJM 60A Floor*	11	Lab	9" x 9" Burgundy Floor Tile	2% Chrysotile	260 Square Feet	Lab 12	Good	I
12JWM 61 Floor	11	Lab	9" x 9" Burgundy Floor Tile	stop positive	260 Square Feet	Lab 12	Good	I
12SJM 59A Mastic*	12	Lab	Burgundy Mastic	NAD				
12SJM 60A Mastic*	12	Lab	Burgundy Mastic	NAD				
12JWM 61 Mastic	11	Lab	Burgundy Mastic	NAD				
12JWM 62	11	Lab	9" x 9"Dark Burgundy Floor Tile	4% Chrysotile	260 Square Feet	Lab 12	Good	I
12SJM 62A Floor*	11	Lab	9" x 9"Dark Burgundy Floor Tile	6% Chrysotile	260 Square Feet	Lab 12	Good	I
12JWM 64	11	Lab	9" x 9"Dark Burgundy Floor Tile	stop positive	260 Square Feet		Good	I
12SJM 64A Floor*	11	Lab	9" x 9"Dark Burgundy Floor Tile	6% Chrysotile	260 Square Feet	Lab 12	Good	I
12SJM 62A Mastic*	11	Lab	Dark Burgundy Mastic	NAD				
12JWM 63 Mastic	11	Lab	Dark Burgundy Mastic	NAD				
12SJM 64A Mastic*	11	Lab	Dark Burgundy Mastic	NAD				

Asbestos Screening Results  
VA Medical Center - Bay Pines, FL

Building 12

Sample #	Room #	Area Designation	Description of Material	Asbestos % Type <sup>(a)</sup>	Estimated Quantity	Location	Condition	NESHAP Category
12JWM 65	13	Room	2' x 2' Large Pinhole Ceiling Tile	NAD				
12JWM 66	13	Room	2' x 2' Large Pinhole Ceiling Tile	NAD				
12JWM 67	13	Room	2' x 2' Large Pinhole Ceiling Tile	NAD				
12JWM 68	11	Room	2' x 2' Pinhole Punched Ceiling Tile	NAD				
12JWM 69	11	Room	2' x 2' Pinhole Punched Ceiling Tile	NAD				
12JWM 70	11	Room	2' x 2' Pinhole Punched Ceiling Tile	NAD				
12JWM 71	14	Room	2' x 2' Drywall Ceiling Tile	NAD				
12JWM 72	14	Room	2' x 2' Drywall Ceiling Tile	NAD				
12JWM 73	14	Room	2' x 2' Drywall Ceiling Tile	NAD				
12JWM 74		Exterior Walls	Tan Stucco	0.50% Chrysotile <sup>(c,d)</sup>	7000 Square Feet	Entire Exterior	Good	Friable
12JWM 75		Exterior Walls	Tan Stucco	0.25% Chrysotile <sup>(c)</sup>	7000 Square Feet	Entire Exterior	Good	Friable
12JWM 76		Exterior Walls	Tan Stucco	0.50% Chrysotile <sup>(c)</sup>	7000 Square Feet	Entire Exterior	Good	Friable
12JWM 77		Exterior Walls	Tan Stucco	Insufficient material <sup>(c)</sup>	7000 Square Feet	Entire Exterior	Good	Friable
12JWM 78		Exterior Walls	Tan Stucco	NAD <sup>(c)</sup>	7000 Square Feet	Entire Exterior	Good	Friable
12JWM 79		Exterior Walls	Tan Stucco	0.75% Chrysotile <sup>(c)</sup>	7000 Square Feet	Entire Exterior	Good	Friable
12JWM 80		Exterior Walls	Tan Stucco	NAD <sup>(c)</sup>	7000 Square Feet	Entire Exterior	Good	Friable
12SRG 1		Roof	Flashing	NAD				
12SRG 2		Roof	Flashing	NAD				
12SRG 3		Roof	Flashing	NAD				
12SRG 4		Roof	Membrane	NAD				
12SRG 5		Roof	Membrane	NAD				
12SRG 6		Roof	Membrane	NAD				
12SRG 7		Roof	Flashing Caulk	NAD				
12SRG 8		Roof	Flashing Caulk	NAD				
12SRG 9		Roof	Flashing Caulk	NAD				
12SRG 10		Roof	Pitch Pocket	NAD				
12SRG 11		Roof	Pitch Pocket	NAD				
12SRG 12		Roof	Pitch Pocket	NAD				

NOTES:

- a The asbestos concentration, reported as a percentage, represents analysis using polarized light microscopy (PLM), unless otherwise noted.
- b Sample contained > 1% asbestos based on PLM analysis. However, no asbestos detected using EPA Method 600/R-93/116 and quantitation using 400-point count method.
- c The asbestos concentration, reported as a percentage, represents analysis using EPA Method 600/R-93/116 and quantitation using 400-point count methodology.
- d Sample 12-JWM-74 contained 4% chrysotile asbestos based on PLM analysis.
- Red Text Represents a sample and its respective homogeneous group ("stop positive") that is positive for asbestos
- NAD No asbestos detected
- N/A Analysis not applicable
- \* Resampled material analysis

## **PHOTOS**



**Building 12**  
**Sample 38 Floor - 12" x 12" White Floor Tile**





**Building 12**  
**Sample 41 – Brown Carpet Mastic**



**Building 12**  
**Sample 53 - Air Cell Pipe Insulation**





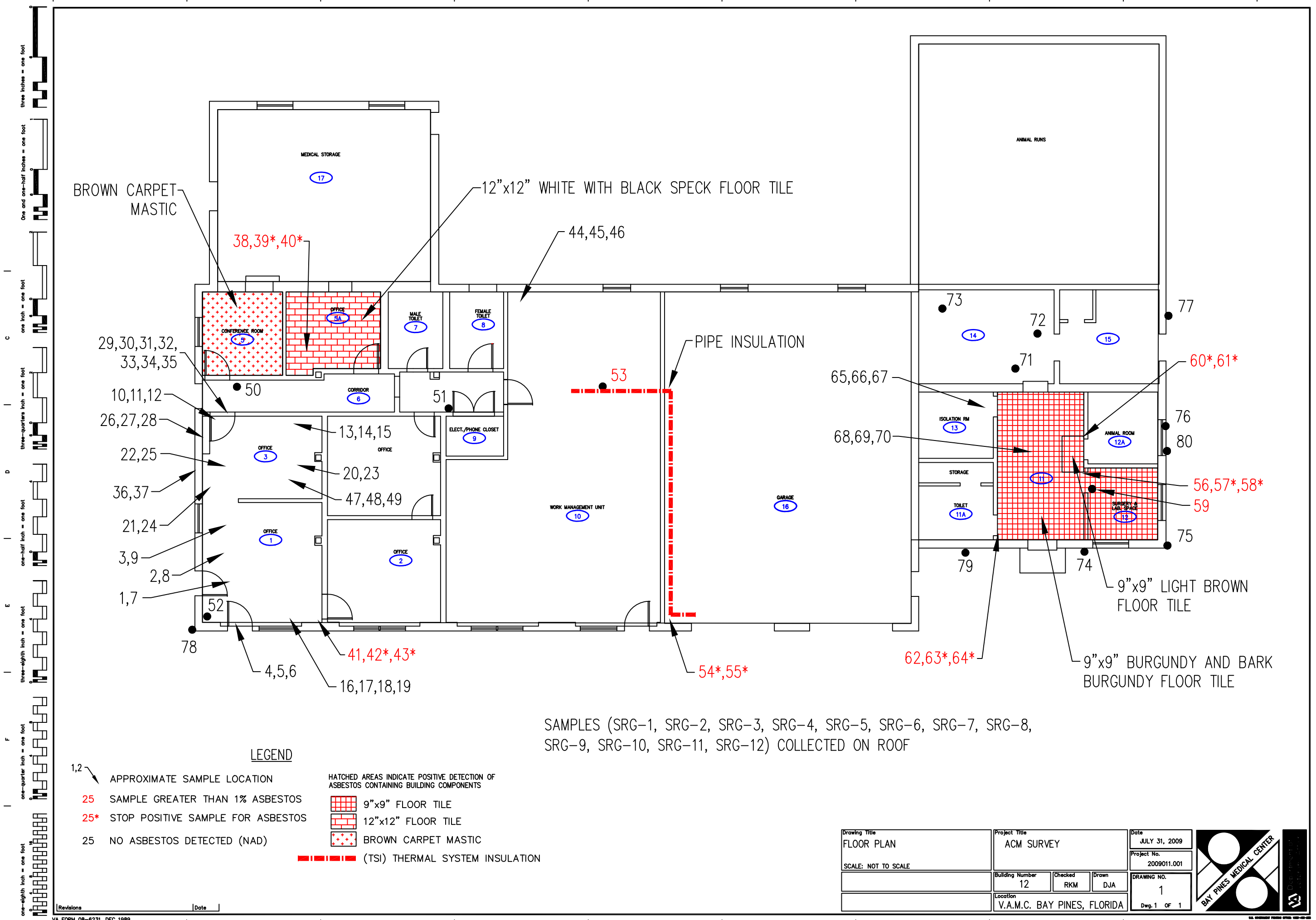
**Building 12**  
**Sample 59 - 9" x 9" Burgundy Floor Tile**  
**Sample 62 - 9" x 9" Dark Burgundy Floor Tile**





**Building 12**  
**Sample 56 - 9" x 9" Light Brown Floor Tile**

## **DRAWINGS**



**APPENDIX A**  
**LAB REPORTS**

**EMSL Analytical, Inc.**

5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone: (407) 599-5887 Fax: (407) 599-9063 Email: [orlandolab@emsl.com](mailto:orlandolab@emsl.com)

Attn: **Jason Marberry**  
**ECS, Ltd.**  
**2815 Directors Row.Suite 500**  
**Orlando, FL 32809**

Customer ID: ECSL77  
Customer PO: 24-3255  
Received: 06/19/09 10:30 AM  
EMSL Order: 340903762

Fax: (407) 859-9599 Phone: (407) 859-8378  
Project:

EMSL Proj: 24:3255/Bay Pines VA  
Analysis Date: 6/26/2009

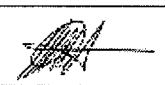
### Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	<u>Non-Asbestos</u>		<u>Asbestos</u>
			% Fibrous	% Non-Fibrous	% Type
12-JWM-1 340903762-0001	gray sheet flooring office 1	Gray Non-Fibrous Heterogeneous	20% Cellulose	80% Non-fibrous (other)	None Detected
12-JWM-2 340903762-0002	gray sheet flooring office 1	Gray Non-Fibrous Heterogeneous	20% Cellulose	80% Non-fibrous (other)	None Detected
12-JWM-3 340903762-0003	gray sheet flooring office 1	Gray Non-Fibrous Heterogeneous	20% Cellulose	80% Non-fibrous (other)	None Detected
12-JWM-4 340903762-0004	12x12 blue mottle floor tile office 1	Blue Non-Fibrous Heterogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
Insufficient mastic for analysis					
12-JWM-5 340903762-0005	12x12 blue mottle floor tile office 1	Blue Non-Fibrous Heterogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
Insufficient mastic for analysis					
12-JWM-6 340903762-0006	12x12 blue mottle floor tile office 1	Blue Non-Fibrous Heterogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
Insufficient mastic for analysis					
12-JWM-7 340903762-0007	leveling compound under flooring office 1	White Non-Fibrous Heterogeneous	5% Cellulose	95% Non-fibrous (other)	None Detected

Report Amended: 7/29/2009 9:09:06 AM Replaces the Initial Report . Reason Code: Data Entry Error-Change to Sample ID

Analyst(s)

Randy Pruitt (75)

  
Blanca Cortes, Ph.D., Laboratory Manager  
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. The limit of detection as stated in the method is 1%. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. 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. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

Samples analyzed by EMSL Analytical, Inc. Orlando 5125 Adanson Street, Suite 900, Orlando FL NVLAP Lab Code 101151-0

**EMSL Analytical, Inc.**

5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone: (407) 599-5887 Fax: (407) 599-9063 Email: [orlandolab@emsl.com](mailto:orlandolab@emsl.com)

Attn: **Jason Marberry**  
**ECS, Ltd.**  
**2815 Directors Row.Suite 500**  
**Orlando, FL 32809**

Fax: (407) 859-9599

Phone: (407) 859-8378

Project:

Customer ID: ECSL77  
Customer PO: 24-3255  
Received: 06/19/09 10:30 AM  
EMSL Order: 340903762

EMSL Proj: 24:3255/Bay Pines VA  
Analysis Date: 6/26/2009


### Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
12-JWM-8 340903762-0008	leveling compound under flooring office 1	Tan Non-Fibrous Heterogeneous	5% Cellulose	95% Non-fibrous (other)	None Detected
12-JWM-9 340903762-0009	leveling compound under flooring office 1	White Non-Fibrous Heterogeneous	5% Cellulose	95% Non-fibrous (other)	None Detected
12-JWM-10-Floor Tile 340903762-0010	9x9 green floor tile office 3	Gray Non-Fibrous Heterogeneous	5% Cellulose	95% Non-fibrous (other)	None Detected
12-JWM-10-Mastic 340903762-0010A	9x9 green floor tile office 3	Brown Non-Fibrous Heterogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
12-JWM-11-Floor Tile 340903762-0011	9x9 green floor tile office 3	Green Non-Fibrous Heterogeneous	5% Cellulose	95% Non-fibrous (other)	None Detected
12-JWM-11-Mastic 340903762-0011A	9x9 green floor tile office 3	Brown Non-Fibrous Heterogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
12-JWM-12-Floor Tile 340903762-0012	9x9 green floor tile office 3	Green Non-Fibrous Heterogeneous	5% Cellulose	95% Non-fibrous (other)	None Detected

Report Amended: 7/29/2009 9:09:06 AM Replaces the Initial Report . Reason Code: Data Entry Error-Change to Sample ID

Analyst(s)

Randy Pruitt (75)

  
Blanca Cortes, Ph.D., Laboratory Manager  
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. The limit of detection as stated in the method is 1%. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. 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. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

Samples analyzed by EMSL Analytical, Inc. Orlando 5125 Adanson Street, Suite 900, Orlando FL NVLAP Lab Code 101151-0

**EMSL Analytical, Inc.**

5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone: (407) 599-5887 Fax: (407) 599-9063 Email: [orlandolab@emsl.com](mailto:orlandolab@emsl.com)

Attn: **Jason Marberry**  
**ECS, Ltd.**  
**2815 Directors Row.Suite 500**  
**Orlando, FL 32809**

Customer ID: ECSSL77  
Customer PO: 24-3255  
Received: 06/19/09 10:30 AM  
EMSL Order: 340903762

Fax: (407) 859-9599 Phone: (407) 859-8378  
Project:

EMSL Proj: 24:3255/Bay Pines VA  
Analysis Date: 6/26/2009


### Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
12-JWM-12-Mastic 340903762-0012A	9x9 green floor tile office 3	Brown Non-Fibrous Heterogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
12-JWM-13-Finish Coat 340903762-0013	wall plaster office 3	White Non-Fibrous Heterogeneous	5% Cellulose	95% Non-fibrous (other)	None Detected
12-JWM-13-Base Coat 340903762-0013A	wall plaster office 3	Brown Non-Fibrous Heterogeneous	5% Cellulose	25% Non-fibrous (other) 70% Quartz	None Detected
12-JWM-14-Finish Coat 340903762-0014	wall plaster office 3	White Non-Fibrous Heterogeneous	5% Cellulose	95% Non-fibrous (other)	None Detected
12-JWM-14-Base Coat 340903762-0014A	wall plaster office 3	Brown Non-Fibrous Heterogeneous	5% Cellulose	25% Non-fibrous (other) 70% Quartz	None Detected
12-JWM-15-Finish Coat 340903762-0015	wall plaster office 3	White Non-Fibrous Heterogeneous	5% Cellulose	95% Non-fibrous (other)	None Detected

Report Amended: 7/29/2009 9:09:06 AM Replaces the Initial Report . Reason Code: Data Entry Error-Change to Sample ID

Analyst(s)

Randy Pruitt (75)

  
Blanca Cortes, Ph.D., Laboratory Manager  
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. The limit of detection as stated in the method is 1%. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. 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. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

Samples analyzed by EMSL Analytical, Inc. Orlando 5125 Adanson Street, Suite 900, Orlando FL NVLAP Lab Code 101151-0

**EMSL Analytical, Inc.**

5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone: (407) 599-5887 Fax: (407) 599-9063 Email: [orlandolab@emsl.com](mailto:orlandolab@emsl.com)

Attn: **Jason Marberry**  
**ECS, Ltd.**  
**2815 Directors Row.Suite 500**  
**Orlando, FL 32809**

Customer ID: ECSL77  
Customer PO: 24-3255  
Received: 06/19/09 10:30 AM  
EMSL Order: 340903762

Fax: (407) 859-9599 Phone: (407) 859-8378

Project:

EMSL Proj: 24:3255/Bay Pines VA  
Analysis Date: 6/26/2009


### Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
12-JWM-15-Base Coat 340903762-0015A	wall plaster office 3	Brown Non-Fibrous Heterogeneous	5% Cellulose	25% Non-fibrous (other) 70% Quartz	None Detected
12-JWM-16-Finish Coat 340903762-0016	wall plaster office 1	White Non-Fibrous Heterogeneous	5% Cellulose	95% Non-fibrous (other)	None Detected
12-JWM-16-Base Coat 340903762-0016A	wall plaster office 1	Brown Non-Fibrous Heterogeneous	5% Cellulose	25% Non-fibrous (other) 70% Quartz	None Detected
12-JWM-17-Finish Coat 340903762-0017	wall plaster office 1	White Non-Fibrous Heterogeneous	5% Cellulose	95% Non-fibrous (other)	None Detected
12-JWM-17-Base Coat 340903762-0017A	wall plaster office 1	Brown Non-Fibrous Heterogeneous	5% Cellulose	25% Non-fibrous (other) 70% Quartz	None Detected
12-JWM-18-Finish Coat 340903762-0018	wall plaster office 1	White Non-Fibrous Heterogeneous	5% Cellulose	95% Non-fibrous (other)	None Detected

Report Amended: 7/29/2009 9:09:06 AM Replaces the Initial Report . Reason Code: Data Entry Error-Change to Sample ID

Analyst(s)

Randy Pruitt (75)

  
Blanca Cortes, Ph.D., Laboratory Manager  
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. The limit of detection as stated in the method is 1%. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. 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. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

Samples analyzed by EMSL Analytical, Inc. Orlando 5125 Adanson Street, Suite 900, Orlando FL NVLAP Lab Code 101151-0



**EMSL Analytical, Inc.**

5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone: (407) 599-5887 Fax: (407) 599-9063 Email: [orlandolab@emsl.com](mailto:orlandolab@emsl.com)

Attn: **Jason Marberry**  
**ECS, Ltd.**  
**2815 Directors Row.Suite 500**  
**Orlando, FL 32809**

Customer ID: ECSL77  
Customer PO: 24-3255  
Received: 06/19/09 10:30 AM  
EMSL Order: 340903762

Fax: (407) 859-9599 Phone: (407) 859-8378

EMSL Proj: 24:3255/Bay Pines VA  
Analysis Date: 6/26/2009

Project:

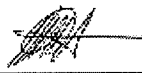
### Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
12-JWM-18-Base Coat 340903762-0018A	wall plaster office 1	Brown Non-Fibrous Heterogeneous	5% Cellulose	25% Non-fibrous (other) 70% Quartz	None Detected
12-JWM-19-Finish Coat 340903762-0019	wall plaster office 1	White Non-Fibrous Heterogeneous	5% Cellulose	95% Non-fibrous (other)	None Detected
12-JWM-19-Base Coat 340903762-0019A	wall plaster office 1	Brown Non-Fibrous Heterogeneous	5% Cellulose	25% Non-fibrous (other) 70% Quartz	None Detected
12-JWM-20 340903762-0020	new 2x4 pinhole fissure ceiling tile office 3	Tan Fibrous Heterogeneous	40% Cellulose 20% Glass	20% Non-fibrous (other) 20% Perlite	None Detected
12-JWM-21 340903762-0021	new 2x4 pinhole fissure ceiling tile office 3	Tan Fibrous Heterogeneous	40% Cellulose 20% Glass	20% Non-fibrous (other) 20% Perlite	None Detected
12-JWM-22 340903762-0022	new 2x4 pinhole fissure ceiling tile office 3	Tan Fibrous Heterogeneous	40% Cellulose 20% Glass	20% Non-fibrous (other) 20% Perlite	None Detected
12-JWM-23 340903762-0023	old 2x4 pinhole fissure ceiling tile office 3	Tan Fibrous Heterogeneous	40% Cellulose 20% Glass	20% Non-fibrous (other) 20% Perlite	None Detected

Report Amended: 7/29/2009 9:09:06 AM Replaces the Initial Report . Reason Code: Data Entry Error-Change to Sample ID

Analyst(s)

Randy Pruitt (75)

  
Blanca Cortes, Ph.D., Laboratory Manager  
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. The limit of detection as stated in the method is 1%. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. 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. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

Samples analyzed by EMSL Analytical, Inc. Orlando 5125 Adanson Street, Suite 900, Orlando FL NVLAP Lab Code 101151-0

**EMSL Analytical, Inc.**

5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone: (407) 599-5887 Fax: (407) 599-9063 Email: [orlandolab@emsl.com](mailto:orlandolab@emsl.com)

Attn: **Jason Marberry**  
**ECS, Ltd.**  
**2815 Directors Row.Suite 500**  
**Orlando, FL 32809**

Customer ID: ECSL77  
Customer PO: 24-3255  
Received: 06/19/09 10:30 AM  
EMSL Order: 340903762

Fax: (407) 859-9599 Phone: (407) 859-8378  
Project:

EMSL Proj: 24:3255/Bay Pines VA  
Analysis Date: 6/26/2009


### Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
12-JWM-24 340903762-0024	old 2x4 pinhole fissure ceiling tile office 3	Tan Fibrous Heterogeneous	40% Cellulose 20% Glass	20% Non-fibrous (other) 20% Perlite	None Detected
12-JWM-25 340903762-0025	old 2x4 pinhole fissure ceiling tile office 3	Tan Fibrous Heterogeneous	40% Cellulose 20% Glass	20% Non-fibrous (other) 20% Perlite	None Detected
12-JWM-26 340903762-0026	gray wallboard office 3	Gray Non-Fibrous Heterogeneous	10% Glass	70% Non-fibrous (other) 20% Perlite	None Detected
12-JWM-27 340903762-0027	gray wallboard office 3	Gray Non-Fibrous Heterogeneous	10% Glass	70% Non-fibrous (other) 20% Perlite	None Detected
12-JWM-28 340903762-0028	gray wallboard office 3	Gray Non-Fibrous Heterogeneous	10% Glass	70% Non-fibrous (other) 20% Perlite	None Detected
12-JWM-29 340903762-0029	red fire stop office 3	Red Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
12-JWM-30 340903762-0030	red fire stop office 3	Red Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected

Report Amended: 7/29/2009 9:09:06 AM Replaces the Initial Report . Reason Code: Data Entry Error-Change to Sample ID

Analyst(s)

Randy Pruitt (75)

  
Blanca Cortes, Ph.D., Laboratory Manager  
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. The limit of detection as stated in the method is 1%. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. 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. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

Samples analyzed by EMSL Analytical, Inc. Orlando 5125 Adanson Street, Suite 900, Orlando FL NVLAP Lab Code 101151-0

**EMSL Analytical, Inc.**

5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone: (407) 599-5887 Fax: (407) 599-9063 Email: [orlandolab@emsl.com](mailto:orlandolab@emsl.com)

Attn: **Jason Marberry**  
**ECS, Ltd.**  
**2815 Directors Row.Suite 500**  
**Orlando, FL 32809**

Fax: (407) 859-9599

Phone: (407) 859-8378

Project:

Customer ID: ECSL77  
Customer PO: 24-3255  
Received: 06/19/09 10:30 AM  
EMSL Order: 340903762

EMSL Proj: 24:3255/Bay Pines VA  
Analysis Date: 6/26/2009

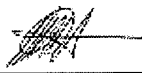
**Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
12-JWM-31 340903762-0031	red fire stop office 3	Red Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
12-JWM-32 340903762-0032	blue wall penetration caulk office 3	Blue Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
12-JWM-33 340903762-0033	blue wall penetration caulk office 3	Blue Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
12-JWM-34 340903762-0034	blue wall penetration caulk office 3	Blue Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
12-JWM-35 340903762-0035	black wall waterproofing office 3	Gray Non-Fibrous Heterogeneous	5% Cellulose	35% Non-fibrous (other) 60% Quartz	None Detected
12-JWM-36 340903762-0036	black wall waterproofing office 3				Not Submitted
12-JWM-37 340903762-0037	black wall waterproofing office 3				Not Submitted

Report Amended: 7/29/2009 9:09:06 AM Replaces the Initial Report . Reason Code: Data Entry Error-Change to Sample ID

Analyst(s)

Randy Pruitt (75)

  
Blanca Cortes, Ph.D., Laboratory Manager  
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. The limit of detection as stated in the method is 1%. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. 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. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

Samples analyzed by EMSL Analytical, Inc. Orlando 5125 Adanson Street, Suite 900, Orlando FL NVLAP Lab Code 101151-0

**EMSL Analytical, Inc.**

5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone: (407) 599-5887 Fax: (407) 599-9063 Email: [orlandolab@emsl.com](mailto:orlandolab@emsl.com)

Attn: **Jason Marberry**  
**ECS, Ltd.**  
**2815 Directors Row.Suite 500**  
**Orlando, FL 32809**

Fax: (407) 859-9599

Phone: (407) 859-8378

Project:

Customer ID: ECSL77  
Customer PO: 24-3255  
Received: 06/19/09 10:30 AM  
EMSL Order: 340903762

EMSL Proj: 24:3255/Bay Pines VA  
Analysis Date: 6/26/2009


### Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
12-JWM-38-Floor Tile 340903762-0038	12x12 white floor tile storage 54	White Non-Fibrous Heterogeneous	6% Cellulose	92% Non-fibrous (other)	2% Chrysotile
12-JWM-38-Mastic 340903762-0038A	12x12 white floor tile storage 54	Yellow Non-Fibrous Heterogeneous	5% Cellulose	95% Non-fibrous (other)	None Detected
12-JWM-39-Floor Tile 340903762-0039	12x12 white floor tile storage 54				Stop Positive (Not Analyzed)
12-JWM-39-Mastic 340903762-0039A	12x12 white floor tile storage 54	Yellow Non-Fibrous Heterogeneous	5% Cellulose	95% Non-fibrous (other)	None Detected
12-JWM-40-Floor Tile 340903762-0040	12x12 white floor tile storage 54				Stop Positive (Not Analyzed)
12-JWM-40-Mastic 340903762-0040A	12x12 white floor tile storage 54	Yellow Non-Fibrous Heterogeneous	5% Cellulose	95% Non-fibrous (other)	None Detected
12-JWM-41 340903762-0041	brown carpet mastic office 1	Brown Non-Fibrous Heterogeneous		98% Non-fibrous (other)	2% Chrysotile

Report Amended: 7/29/2009 9:09:06 AM Replaces the Initial Report . Reason Code: Data Entry Error-Change to Sample ID

Analyst(s)

Randy Pruitt (75)

  
Blanca Cortes, Ph.D., Laboratory Manager  
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. The limit of detection as stated in the method is 1%. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. 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. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

Samples analyzed by EMSL Analytical, Inc. Orlando 5125 Adanson Street, Suite 900, Orlando FL NVLAP Lab Code 101151-0

**EMSL Analytical, Inc.**

5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone: (407) 599-5887 Fax: (407) 599-9063 Email: [orlandolab@emsl.com](mailto:orlandolab@emsl.com)

Attn: **Jason Marberry**  
**ECS, Ltd.**  
**2815 Directors Row.Suite 500**  
**Orlando, FL 32809**

Customer ID: ECSL77  
Customer PO: 24-3255  
Received: 06/19/09 10:30 AM  
EMSL Order: 340903762

Fax: (407) 859-9599 Phone: (407) 859-8378  
Project:

EMSL Proj: 24:3255/Bay Pines VA  
Analysis Date: 6/26/2009

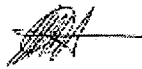
### Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
12-JWM-42 340903762-0042	brown carpet mastic office 1				Stop Positive (Not Analyzed)
12-JWM-43 340903762-0043	brown carpet mastic office 1				Stop Positive (Not Analyzed)
12-JWM-44 340903762-0044	12x12 white/black specks floor tile room 10	White Non-Fibrous Heterogeneous	2% Cellulose	98% Non-fibrous (other)	None Detected
			Insufficient mastic for analysis		
12-JWM-45 340903762-0045	12x12 white/black specks floor tile room 10	White Non-Fibrous Heterogeneous	2% Cellulose	98% Non-fibrous (other)	None Detected
			Insufficient mastic for analysis		
12-JWM-46 340903762-0046	12x12 white/black specks floor tile room 10	White Non-Fibrous Heterogeneous	2% Cellulose	98% Non-fibrous (other)	None Detected
			Insufficient mastic for analysis		
12-JWM-47 340903762-0047	gray circular duct seam sealant room 3	Gray Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
12-JWM-48 340903762-0048	gray circular duct seam sealant room 3	Gray Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected

Report Amended: 7/29/2009 9:09:06 AM Replaces the Initial Report . Reason Code: Data Entry Error-Change to Sample ID

Analyst(s)

Randy Pruitt (75)

  
Blanca Cortes, Ph.D., Laboratory Manager  
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. The limit of detection as stated in the method is 1%. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. 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. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

Samples analyzed by EMSL Analytical, Inc. Orlando 5125 Adanson Street, Suite 900, Orlando FL NVLAP Lab Code 101151-0

**EMSL Analytical, Inc.**

5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone: (407) 599-5887 Fax: (407) 599-9063 Email: [orlandolab@emsl.com](mailto:orlandolab@emsl.com)

Attn: **Jason Marberry**  
**ECS, Ltd.**  
**2815 Directors Row.Suite 500**  
**Orlando, FL 32809**

Customer ID: ECSL77  
Customer PO: 24-3255  
Received: 06/19/09 10:30 AM  
EMSL Order: 340903762

Fax: (407) 859-9599 Phone: (407) 859-8378  
Project:

EMSL Proj: 24:3255/Bay Pines VA  
Analysis Date: 6/26/2009

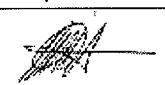
**Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
12-JWM-49 340903762-0049	gray circular duct seam sealant room 3	Gray Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
12-JWM-50 340903762-0050	covebase mastic hallway 6	Tan Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
12-JWM-51 340903762-0051	covebase mastic hallway 6	Tan Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
12-JWM-52 340903762-0052	covebase mastic office 1	Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
12-JWM-53 340903762-0053	air cell type insulation room 10	Tan Fibrous Heterogeneous	15% Synthetic 60% Cellulose	10% Non-fibrous (other)	15% Chrysotile
12-JWM-54 340903762-0054	air cell type insulation garage 16				Stop Positive (Not Analyzed)
12-JWM-55 340903762-0055	air cell type insulation garage 16				Stop Positive (Not Analyzed)

Report Amended: 7/29/2009 9:09:06 AM Replaces the Initial Report . Reason Code: Data Entry Error-Change to Sample ID

Analyst(s)

Randy Pruitt (75)

  
Blanca Cortes, Ph.D., Laboratory Manager  
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. The limit of detection as stated in the method is 1%. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. 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. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

Samples analyzed by EMSL Analytical, Inc. Orlando 5125 Adanson Street, Suite 900, Orlando FL NVLAP Lab Code 101151-0

**EMSL Analytical, Inc.**

5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone: (407) 599-5887 Fax: (407) 599-9063 Email: orlandolab@emsl.com

Attn: **Jason Marberry**  
**ECS, Ltd.**  
**2815 Directors Row.Suite 500**  
**Orlando, FL 32809**

Customer ID: ECSL77  
Customer PO: 24-3255  
Received: 06/19/09 10:30 AM  
EMSL Order: 340903762

Fax: (407) 859-9599 Phone: (407) 859-8378  
Project:

EMSL Proj: 24:3255/Bay Pines VA  
Analysis Date: 6/26/2009

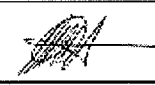
**Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
12-JWM-56 340903762-0056	9x9 light brown floor tile lab 12	Brown Non-Fibrous Heterogeneous	6% Cellulose	92% Non-fibrous (other)	2% Chrysotile
Insufficient mastic for analysis					
12-JWM-57 340903762-0057	9x9 light brown floor tile lab 12				Stop Positive (Not Analyzed)
Insufficient mastic for analysis					
12-JWM-58 340903762-0058	9x9 light brown floor tile lab 12				Stop Positive (Not Analyzed)
Insufficient mastic for analysis					
12-JWM-59 340903762-0059	9x9 burgandy floor tile lab 12	Red Non-Fibrous Heterogeneous	6% Cellulose	90% Non-fibrous (other)	4% Chrysotile
Insufficient mastic for analysis					
12-JWM-60 340903762-0060	9x9 burgandy floor tile lab 12				Stop Positive (Not Analyzed)
Insufficient mastic for analysis					
12-JWM-61-Floor Tile 340903762-0061	9x9 burgandy floor tile lab 12				Stop Positive (Not Analyzed)

Report Amended: 7/29/2009 9:09:06 AM Replaces the Initial Report . Reason Code: Data Entry Error-Change to Sample ID

Analyst(s)

Randy Pruitt (75)

  
Blanca Cortes, Ph.D., Laboratory Manager  
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. The limit of detection as stated in the method is 1%. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. 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. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

Samples analyzed by EMSL Analytical, Inc. Orlando 5125 Adanson Street, Suite 900, Orlando FL NVLAP Lab Code 101151-0

**EMSL Analytical, Inc.**

5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone: (407) 599-5887 Fax: (407) 599-9063 Email: [orlandolab@emsl.com](mailto:orlandolab@emsl.com)

Attn: **Jason Marberry**  
**ECS, Ltd.**  
**2815 Directors Row.Suite 500**  
**Orlando, FL 32809**

Customer ID: ECSL77  
Customer PO: 24-3255  
Received: 06/19/09 10:30 AM  
EMSL Order: 340903762

Fax: (407) 859-9599 Phone: (407) 859-8378  
Project:

EMSL Proj: 24:3255/Bay Pines VA  
Analysis Date: 6/26/2009


### Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
12-JWM-61-Mastic 340903762-0061A	9x9 burgandy floor tile lab 12	Black Non-Fibrous Heterogeneous	5% Cellulose	85% Non-fibrous (other) 10% Quartz	None Detected
12-JWM-62 340903762-0062	9x9 dark burgandy floor tile lab 12	Red Non-Fibrous Heterogeneous	6% Cellulose	90% Non-fibrous (other)	4% Chrysotile
Insufficient mastic for analysis					
12-JWM-63-Floor Tile 340903762-0063	9x9 dark burgandy floor tile lab 12				Stop Positive (Not Analyzed)
12-JWM-63-Mastic 340903762-0063A	9x9 dark burgandy floor tile lab 12	Black Non-Fibrous Heterogeneous	10% Cellulose	80% Non-fibrous (other) 10% Quartz	None Detected
12-JWM-64 340903762-0064	9x9 dark burgandy floor tile lab 12				Stop Positive (Not Analyzed)
Insufficient mastic for analysis					
12-JWM-65 340903762-0065	2x2 large pinhole ceiling tile room 13	Tan Fibrous Heterogeneous	40% Cellulose 20% Glass	20% Non-fibrous (other) 20% Perlite	None Detected
12-JWM-66 340903762-0066	2x2 large pinhole ceiling tile room 13	Tan Fibrous Heterogeneous	40% Cellulose 20% Glass	20% Non-fibrous (other) 20% Perlite	None Detected

Report Amended: 7/29/2009 9:09:06 AM Replaces the Initial Report . Reason Code: Data Entry Error-Change to Sample ID

Analyst(s)

Randy Pruitt (75)

  
Blanca Cortes, Ph.D., Laboratory Manager  
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. The limit of detection as stated in the method is 1%. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. 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. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

Samples analyzed by EMSL Analytical, Inc. Orlando 5125 Adanson Street, Suite 900, Orlando FL NVLAP Lab Code 101151-0



**EMSL Analytical, Inc.**

5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone: (407) 599-5887 Fax: (407) 599-9063 Email: [orlandolab@emsl.com](mailto:orlandolab@emsl.com)

Attn: **Jason Marberry**  
**ECS, Ltd.**  
**2815 Directors Row.Suite 500**  
**Orlando, FL 32809**

Customer ID: ECSL77  
Customer PO: 24-3255  
Received: 06/19/09 10:30 AM  
EMSL Order: 340903762

Fax: (407) 859-9599 Phone: (407) 859-8378  
Project:

EMSL Proj: 24:3255/Bay Pines VA  
Analysis Date: 6/26/2009

### Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	<u>Non-Asbestos</u>		<u>Asbestos</u>
			% Fibrous	% Non-Fibrous	% Type
12-JWM-67 340903762-0067	2x2 large pinhole ceiling tile room 13	Tan Fibrous Heterogeneous	40% Cellulose 20% Glass	20% Non-fibrous (other) 20% Perlite	None Detected
12-JWM-68 340903762-0068	2x2 pinhole punched ceiling tile room 13	Tan Fibrous Heterogeneous	40% Cellulose 20% Glass	20% Non-fibrous (other) 20% Perlite	None Detected
12-JWM-69 340903762-0069	2x2 pinhole punched ceiling tile room 13	Tan Fibrous Heterogeneous	40% Cellulose 20% Glass	20% Non-fibrous (other) 20% Perlite	None Detected
12-JWM-70 340903762-0070	2x2 pinhole punched ceiling tile room 13	Tan Fibrous Heterogeneous	40% Cellulose 20% Glass	20% Non-fibrous (other) 20% Perlite	None Detected
12-JWM-71 340903762-0071	2x2 drywall ceiling tile room 14	Tan Fibrous Heterogeneous	40% Cellulose 20% Glass	20% Non-fibrous (other) 20% Perlite	None Detected
12-JWM-72 340903762-0072	2x2 drywall ceiling tile room 14	Tan Fibrous Heterogeneous	40% Cellulose 20% Glass	20% Non-fibrous (other) 20% Perlite	None Detected
12-JWM-73 340903762-0073	2x2 drywall ceiling tile room 14	Tan Fibrous Heterogeneous	40% Cellulose 20% Glass	20% Non-fibrous (other) 20% Perlite	None Detected

Report Amended: 7/29/2009 9:09:06 AM Replaces the Initial Report . Reason Code: Data Entry Error-Change to Sample ID

Analyst(s)

Randy Pruitt (75)

  
Blanca Cortes, Ph.D., Laboratory Manager  
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. The limit of detection as stated in the method is 1%. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. 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. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

Samples analyzed by EMSL Analytical, Inc. Orlando 5125 Adanson Street, Suite 900, Orlando FL NVLAP Lab Code 101151-0

**EMSL Analytical, Inc.**

5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone: (407) 599-5887 Fax: (407) 599-9063 Email: [orlandolab@emsl.com](mailto:orlandolab@emsl.com)

Attn: **Jason Marberry**  
**ECS, Ltd.**  
**2815 Directors Row.Suite 500**  
**Orlando, FL 32809**

Customer ID: ECSL77  
Customer PO: 24-3255  
Received: 06/19/09 10:30 AM  
EMSL Order: 340903762

Fax: (407) 859-9599 Phone: (407) 859-8378  
Project:

EMSL Proj: 24:3255/Bay Pines VA  
Analysis Date: 6/26/2009

**Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
12-JWM-74 340903762-0074	exterior stucco	Tan Non-Fibrous Heterogeneous	6% Cellulose	30% Non-fibrous (other) 60% Quartz	4% Chrysotile
12-JWM-75 340903762-0075	exterior stucco				Stop Positive (Not Analyzed)
12-JWM-76 340903762-0076	exterior stucco				Stop Positive (Not Analyzed)
12-JWM-77 340903762-0077	exterior stucco				Stop Positive (Not Analyzed)
12-JWM-78 340903762-0078	exterior stucco				Stop Positive (Not Analyzed)
12-JWM-79 340903762-0079	exterior stucco				Stop Positive (Not Analyzed)
12-JWM-80 340903762-0080	exterior stucco				Stop Positive (Not Analyzed)

Report Amended: 7/29/2009 9:09:06 AM Replaces the Initial Report . Reason Code: Data Entry Error-Change to Sample ID

Analyst(s)

Randy Pruitt (75)

  
Blanca Cortes, Ph.D., Laboratory Manager  
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. The limit of detection as stated in the method is 1%. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. 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. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

Samples analyzed by EMSL Analytical, Inc. Orlando 5125 Adanson Street, Suite 900, Orlando FL NVLAP Lab Code 101151-0



107 Haddon Avenue, Westmont, New Jersey 08108

1-800-220-3675

http://www.emsl.com

Stop Positive

340903762

## EMSL ANALYTICAL, Inc.

## CHAIN OF CUSTODY

EMSL Rep:

Third Party Billing requires written authorization from third party

Your Name:

Stephen Geraci

EMSL-Bill to:

Company:

ECS Florida LLC

Street:

Street:

Box #:

Box #:

City/State:

Orlando FL Zip

City/State:

Orlando FL Zip

Phone Results to:

Stephen Geraci

Fax Results to:

Name:

Name:

Telephone #:

Sgeraci@ecslimited.com

Fax #:

Project Name/Number:

j.morberry@ecslimited.com

Purchase Order #:

24-3255

## TURNAROUND TIME

☐ 3 Hours ☐ 6 Hours ☐ 12 Hours ☐ 24 Hours ☐ 48 Hours ☐ 72 Hours ☐ 4 Days ☒ 5 Days ☐ 6-10 Days

## SAMPLE MATRIX

☐ Air ☐ Bulk ☐ Soil ☐ Wipe ☐ Micro-Vac ☐ Drinking Water ☐ Wastewater ☐ Chips ☐ Other

## ASBESTOS ANALYSIS

## PCM - Air

- ☐ NIOSH 7400 (A) Issue 2: August 1994  
☐ OSHA w/TWA

## TEM AIR

- ☐ AHERA 40 CFR, Part 763 Subpart E  
☐ NIOSH 7402 Issue 2

## EPA Level II

## PLM - Bulk

- ☒ EPA 600/R-93/116  
☐ NY Stratified Point Count  
☐ California Air Resource Board (CARB) 435  
☐ NIOSH 9002

## PLM NOB (Gravimetric) NYS 198.1

- ☐ EPA Point Count (400 Points)  
☐ EPA Point Count (1,000 Points)  
☐ Standard Addition Point Count

## SOILS

- ☐ EPA Protocol Qualitative  
☐ EPA Protocol Quantitative  
☐ EMSL MSD 9000 Method fibers/gram  
☐ Superfund EPA 540-R097-028 (dust generation)

## TEM BULK

- ☐ Drop Mount (Qualitative)  
☐ Chatfield SOP-1988-02  
☐ TEM NOB (Gravimetric) NY 198.4

## TEM MICROVAC

- ☐ ASTM D 5755-95 (Quantitative)

## TEM WIPE

- ☐ ASTM D-6480-99  
☐ Qualitative

## TEM WATER

- ☐ EPA 100.1  
☐ EPA 100.2  
☐ NYS 198.2

OTHER:

## LEAD ANALYSIS

## Flame Atomic Absorption

- ☐ Wipe, SW846-7420 ☐ ASTM ☐ non ASTM  
☐ Soil, SW846-7420  
☐ Air, NIOSH 7082  
☐ Chips, SW846-7420 or AOAC 5.009 (974.02)  
☐ Wastewater, SW 846-7420  
☐ TCLP LEAD SW846-1311/7420

## Graphite Furnace Atomic Absorption

- ☐ Air, NIOSH 7105  
☐ Wastewater, SW846-7421  
☐ Soil, SW846-7421  
☐ Drinking Water, EPA 239.2

## ICP - Inductively Coupled Plasma

- ☐ Wipe, SW846-6010 ☐ ASTM ☐ non ASTM  
☐ Soil, SW846-6010  
☐ Air, NIOSH 7300

## MATERIALS ANALYSIS

- ☐ Full Particle Identification  
☐ Optical Particle Identification  
☐ Dust Mites and Insect Fragments  
☐ Particle Size & Distribution  
☐ Product Comparison  
☐ Paint Characterization  
☐ Failure Analysis  
☐ Corrosion Analysis  
☐ Glove Box Containment Study  
☐ Petrographic Examination of Concrete  
☐ Portland Cement in Workplace Atmospheres (OSHA ID-143)  
☐ Man Made Vitreous Fibers - MMVF's  
☐ Synthetic Fiber Identification  
☐ Other:

## MICROBIAL ANALYSIS

## Air Samples

- ☐ Mold & Fungi by Air O Cell  
☐ Mold & Fungi by Agar Plate count & id  
☐ Bacterial Count and Gram Stain  
☐ Bacterial Count and Identification

## Water Samples

- ☐ Total Coliforms, Fecal Coliforms  
☐ Escherichia Coli, Fecal Streptococcus  
☐ Legionella  
☐ Salmonella  
☐ Giardia and Cryptosporidium

## Wipe and Bulk Samples

- ☐ Mold & Fungi - Direct Examination  
☐ Mold & Fungi - (Culture follow up to direct examination if necessary)  
☐ Mold & Fungi - Culture (Count & ID)  
☐ Mold & Fungi - Culture (Count only)  
☐ Bacterial Count & Gram Stain  
☐ Bacterial Count & Identification (3 most prominent types)  
☐ Other:

## IAQ ANALYSIS

- ☐ Nuisance Dust (NIOSH 0500 & 0600)  
☐ Airborne Dust (PM10, TSP)  
☐ Silica Analysis by XRD ☐ NIOSH 7500  
☐ HVAC Efficiency  
☐ Carbon Black  
☐ Airborne Oil Mist  
☐ Other:

Client Sample # (S)

Relinquished:

Received:

Relinquished:

Received:

Date:

Date:

Date:

Date:

TOTAL SAMPLE #

Time:

Time:

Time:

Time:

06-19-09

1:41 RCVD

Page 1 of 2



107 Haddon Avenue, Westmont, New Jersey 08108

1-800-220-3675

http://www.emsl.com

340903762 1/3

SAMPLE NUMBER	SAMPLE DESCRIPTION/LOCATION	VOLUME Air (L)	Area (Inches sq.)
12-JWM-1	Gray Sheet Flooring Office 1		
2	↓	↓	
3	↓	↓	
4	1/2x2 Blue Mottle Ftd Mastic Office 1		
5	↓	↓	↓
6	↓	↓	
7	Leveling Compound under Flooring Office 1		
8	↓	↓	↓
9	↓	↓	
10	9x9 Green Ftd Mastic - Office 3		
11	↓	↓	↓
12	↓	↓	
13	Wall Plaster - Office 3		
14	↓	↓	
15	↓	↓	
16	Office 1		
17	↓	↓	
18	↓	↓	
19	↓	↓	
20	↑	↑	↑
21	New 2x4 Pinhole Fissure CT - Office 3		
22	↓	↓	↓
23	Old 2x4 Pinhole Fissure CT - Office 3		
24	↓	↓	↓
25	↓	↓	↓
26	Gray Wallboard - Office 3		
27	↓	↓	
28	↓	↓	

Relinquished:

Received:

Relinquished:

Received:

Date:

Date:

Date:

Date:

Time:

Time:

Time:

Time:

06-19-09 17:41

RCVD  
Page 2 of 2



107 Haddon Avenue, Westmont, New Jersey 08108

1-800-220-3675

http://www.emsl.com

340903762

2/3

SAMPLE NUMBER	SAMPLE DESCRIPTION/LOCATION	VOLUME Air (L)	Area (Inches sq.)
12-JUN-89	Red Fire Stop	Office 3	
30	↓ ↓	↓	
31	↓ ↓	↓	
32	Blue Wall Penetration Caulk	↓	
33	↓ ↓ ↓	↓	
34	↓ ↓ ↓	↓	
35	Black Wall Waterproofing	↓	
36	↓ ↓ ↓	↓	
37	↓ ↓ ↓	↓	
38	12x12 White F7 & Mastic	Storage 54	
39	↓ ↓ ↓	↓	
40	↓ ↓ ↓	↓	
41	Brown Carpet Mastic - Office 1		
42	↓ ↓ ↓	↓	
43	↓ ↓ ↓	↓	
44	12x12 White w/ Black Specks F7 & Mastic - Rm 10		
45	↓ ↓ ↓	↓	↓
46	↓ ↓ ↓	↓	↓
47	Gray Circular Port Seam Sealant - Rm 3		
48	↓ ↓ ↓	↓	
49	↓ ↓ ↓	↓	
50	Cove Base Mastic - Hallway 6		
51	↓ ↓ ↓	↓	
52	↓ ↓ ↓ Office 1		
53	Air Cell Type Pipe Insulation	Rm 10	
54	↓ ↓ ↓	Garage 16	
55	↓ ↓ ↓	↓	

Relinquished: \_\_\_\_\_

Received: \_\_\_\_\_

Relinquished: \_\_\_\_\_

Received: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

Time: \_\_\_\_\_

Time: \_\_\_\_\_

Time: \_\_\_\_\_

Time: \_\_\_\_\_



107 Haddon Avenue, Westmont, New Jersey 08108

1-800-220-3675

http://www.emsl.com

340903762

3/3

SAMPLE NUMBER	SAMPLE DESCRIPTION/LOCATION	VOLUME Air (L)	Area (Inches sq.)
12-JWM-56	9x9 Light Brown FTD Master	Lob 12	
57	↓ ↓ ↓	↓	
58			
59	9x9 Burgundy FTD Master		
60	↓ ↓ ↓	↓	
61			
62	9x9 Dark Burgundy FTD Master		
63	↓ ↓ ↓ ↓	↓	
64			
65	2x2 Large Pinhole CT	Rm 13	
66	↓ ↓ ↓	↓	
67			
68	2x2 Pinhole Pinched CT		
69	↓ ↓ ↓	↓	
70			
71	2x2 Drywall CT	Rm 14	
72	↓ ↓ ↓	↓	
73			
74	Exterior Stucco		
75			
76			
77			
78			
79			
80			

Relinquished:

Received:

Relinquished:

Received:

Date:

Date:

Date:

Date:

Time:

Time:

Time:

Time:

06-19-09 17:41 RCVD

Page 2 of 2

**EMSL Analytical, Inc.**

10768 Baltimore Avenue, Beltsville, MD 20705

Phone: (301) 937-5700 Fax: (301) 937-5701 Email: [beltsvillelab@emsl.com](mailto:beltsvillelab@emsl.com)

Attn: **ECS, Ltd.**  
**2815 Directors Row.Suite 500**  
**Orlando, FL 32809**

Fax: (407) 859-9599

Phone: (407) 859-8378

Project: **24-3255**

Customer ID: ECSL77  
Customer PO: 24-3255  
Received: 06/22/09 10:45 AM  
EMSL Order: 190905778  
EMSL Proj:  
Analysis Date: 6/25/2009

### Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
13SRG-8 190905778-0008	Pitch Pocket Material	Silver/Black Fibrous Heterogeneous	25% Cellulose 5% Wollastonite	70% Non-fibrous (other)	None Detected
13SRG-9 190905778-0009	Pitch Pocket Material	Black/Silver Non-Fibrous Heterogeneous	20% Cellulose	80% Non-fibrous (other)	None Detected
12SRG-1 190905778-0010	Roof Flashing	Silver/Black Fibrous Heterogeneous	20% Glass 25% Synthetic 10% Wollastonite	30% Non-fibrous (other) 15% Quartz	None Detected
12SRG-2 190905778-0011	Roof Flashing	Silver/Black Fibrous Heterogeneous	20% Glass 25% Synthetic 10% Wollastonite	35% Non-fibrous (other) 10% Quartz	None Detected
12SRG-3 190905778-0012	Roof Flashing	Black/Silver Fibrous Heterogeneous	20% Glass 30% Synthetic	50% Non-fibrous (other)	None Detected
12SRG-4 190905778-0013	Roof Membrane	Black/Brown Fibrous Heterogeneous	10% Synthetic	90% Non-fibrous (other)	None Detected
12SRG-5 190905778-0014	Roof Membrane	Black/Brown Fibrous Heterogeneous	7% Synthetic	93% Non-fibrous (other)	None Detected

Analyst(s)

Alexis Turner (17)  
George Malone (36)

Joe Centifonti, Laboratory Manager  
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. The limit of detection as stated in the method is 1%. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. 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. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

Samples analyzed by EMSL Analytical, Inc. Beltsville 10768 Baltimore Avenue, Beltsville MD NVLAP Lab Code 200293-0

**EMSL Analytical, Inc.**

10768 Baltimore Avenue, Beltsville, MD 20705

Phone: (301) 937-5700 Fax: (301) 937-5701 Email: [beltsvillelab@emsl.com](mailto:beltsvillelab@emsl.com)

Attn: **ECS, Ltd.**  
**2815 Directors Row.Suite 500**  
**Orlando, FL 32809**

Fax: (407) 859-9599

Phone: (407) 859-8378

Project: **24-3255**

Customer ID: ECSL77  
Customer PO: 24-3255  
Received: 06/22/09 10:45 AM  
EMSL Order: 190905778  
EMSL Proj:  
Analysis Date: 6/25/2009

### Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
12SRG-6 190905778-0015	Roof Membrane	Black Fibrous Heterogeneous	5% Synthetic	95% Non-fibrous (other)	None Detected
12SRG-7 190905778-0016	Aluminum Flashing Caulk	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
12SRG-8 190905778-0017	Aluminum Flashing Caulk	White/Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
12SRG-9 190905778-0018	Aluminum Flashing Caulk	Gray Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
12SRG-10 190905778-0019	Pitch Pocket Material	Gray/Black Fibrous Heterogeneous	25% Cellulose	75% Non-fibrous (other)	None Detected
12SRG-11 190905778-0020	Pitch Pocket Material	Gray/Black Fibrous Heterogeneous	30% Cellulose	70% Non-fibrous (other)	None Detected
12SRG-12 190905778-0021	Pitch Pocket Material	Gray/Black Non-Fibrous Heterogeneous	25% Cellulose	75% Non-fibrous (other)	None Detected

Analyst(s)

Alexis Turner (17)  
George Malone (36)

Joe Centifonti, Laboratory Manager  
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. The limit of detection as stated in the method is 1%. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. 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. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

Samples analyzed by EMSL Analytical, Inc. Beltsville 10768 Baltimore Avenue, Beltsville MD NVLAP Lab Code 200293-0







107 Haddon Avenue, Westmont, New Jersey 08108

1-800-220-3675

<http://www.emsl.com>

1/2

SAMPLE NUMBER	SAMPLE DESCRIPTION/LOCATION	VOLUME Air (L)	Area (Inches sq.)
13-SRG-1	Roof Membrane		
2	↓		
3	↓		
4	Roof Flashing		
5	↓		
6	↓		
7	Pitch Pocket Material		
8	↓		
9	↓		
12-SRG-1	Roof Flashing		
2	↓		
3	↓		
4	Roof Membrane		
5	↓		
6	↓		
7	Aluminum Flashing Caulk		
8	↓		
9	↓		
10	Pitch Pocket Material		
11	↓		
12	↓		
2-SRG-1	Roof Flashing		
2	↓		
3	↓		
4	Roof Membrane		
5	↓		
6	↓		

Relinquished:  
Received:  
Relinquished:  
Received:

Date:  
Date:  
Date:  
Date:

6/12/09

Time:  
Time:  
Time:  
Time:

J. Alex

**EMSL Analytical, Inc.**

5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone: (407) 599-5887 Fax: (407) 599-9063 Email: [orlandolab@emsl.com](mailto:orlandolab@emsl.com)

Attn: **Steve Geraci**  
**ECS, Ltd.**  
**2815 Directors Row.Suite 500**  
**Orlando, FL 32809**

Customer ID: ECSSL77  
Customer PO:  
Received: 07/14/09 12:26 PM  
EMSL Order: 340904417

Fax: (407) 859-9599 Phone: (407) 859-8378  
Project: Bay Pines VA 24:3255

EMSL Proj:  
Analysis Date: 7/15/2009

### Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	<u>Non-Asbestos</u>		<u>Asbestos</u>
			% Fibrous	% Non-Fibrous	% Type
12 SJM 2A 340904417-0013	Floor Tile Mastic	Yellow Non-Fibrous Heterogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
12 SJM 3A 340904417-0014	Floor Tile Mastic	Yellow Non-Fibrous Heterogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
12 SJM 4A-Floor Tile 340904417-0015	Floor Tile Mastic	White Non-Fibrous Heterogeneous	5% Cellulose	85% Non-fibrous (other) 10% Quartz	None Detected
12 SJM 4A-Mastic 340904417-0015A	Floor Tile Mastic	Black Non-Fibrous Heterogeneous	10% Synthetic	90% Non-fibrous (other)	None Detected
12 SJM 5A-Floor Tile 340904417-0016	Floor Tile Mastic	White Non-Fibrous Heterogeneous	5% Cellulose	85% Non-fibrous (other) 10% Quartz	None Detected
12 SJM 5A-Mastic 340904417-0016A	Floor Tile Mastic	Black Non-Fibrous Heterogeneous	10% Synthetic	90% Non-fibrous (other)	None Detected
12 SJM 6A-Floor Tile 340904417-0017	Floor Tile Mastic	White Non-Fibrous Heterogeneous	5% Cellulose	85% Non-fibrous (other) 10% Quartz	None Detected

Report Amended: 7/29/2009 10:04:55 AM Replaces the Initial Report . Reason Code: Data Entry Error-Change to Sample ID

Analyst(s)

Randy Pruitt (84)

Blanca Cortes, Ph.D., Laboratory Manager  
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. The limit of detection as stated in the method is 1%. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. 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. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

Samples analyzed by EMSL Analytical, Inc. Orlando 5125 Adanson Street, Suite 900, Orlando FL NVLAP Lab Code 101151-0

**EMSL Analytical, Inc.**

5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone: (407) 599-5887 Fax: (407) 599-9063 Email: [orlandolab@emsl.com](mailto:orlandolab@emsl.com)Attn: **Steve Geraci****ECS, Ltd.****2815 Directors Row.Suite 500****Orlando, FL 32809**

Fax: (407) 859-9599

Phone: (407) 859-8378

Project: **Bay Pines VA 24:3255**

Customer ID: ECSL77

Customer PO:

Received: 07/14/09 12:26 PM

EMSL Order: 340904417

EMSL Proj:

Analysis Date: 7/15/2009


**Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized  
Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
11 SJM 8A-Floor Tile 340904417-0008	Floor Tile Mastic	White Non-Fibrous Heterogeneous	8% Cellulose	90% Non-fibrous (other)	2% Chrysotile
11 SJM 8A-Mastic 340904417-0008A	Floor Tile Mastic	Black Non-Fibrous Heterogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
11 SJM 9A-Floor Tile 340904417-0009	Floor Tile Mastic	White Non-Fibrous Heterogeneous	8% Cellulose	90% Non-fibrous (other)	2% Chrysotile
11 SJM 9A-Mastic 340904417-0009A	Floor Tile Mastic	Black Non-Fibrous Heterogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
11 SJM 41A 340904417-0010	Floor Tile Mastic	Yellow Non-Fibrous Heterogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
11 SJM 42A 340904417-0011	Floor Tile Mastic	Yellow Non-Fibrous Heterogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
12 SJM 1A 340904417-0012	Floor Tile Mastic	Yellow Non-Fibrous Heterogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected

Report Amended: 7/29/2009 10:04:55 AM Replaces the Initial Report . Reason Code: Data Entry Error-Change to Sample ID

Analyst(s)

Randy Pruitt (84)

  
Blanca Cortes, Ph.D., Laboratory Manager  
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. The limit of detection as stated in the method is 1%. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. 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. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

Samples analyzed by EMSL Analytical, Inc. Orlando 5125 Adanson Street, Suite 900, Orlando FL NVLAP Lab Code 101151-0

**EMSL Analytical, Inc.**

5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone: (407) 599-5887 Fax: (407) 599-9063 Email: [orlandolab@emsl.com](mailto:orlandolab@emsl.com)

Attn: **Steve Geraci**  
**ECS, Ltd.**  
**2815 Directors Row.Suite 500**  
**Orlando, FL 32809**

Customer ID: ECSL77  
Customer PO:  
Received: 07/14/09 12:26 PM  
EMSL Order: 340904417

Fax: (407) 859-9599 Phone: (407) 859-8378  
Project: Bay Pines VA 24:3255

EMSL Proj:  
Analysis Date: 7/15/2009

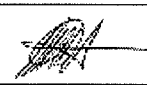
### Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	<u>Non-Asbestos</u>		<u>Asbestos</u>
			% Fibrous	% Non-Fibrous	% Type
11 SJM 8A-Floor Tile 340904417-0008	Floor Tile Mastic	White Non-Fibrous Heterogeneous	8% Cellulose	90% Non-fibrous (other)	2% Chrysotile
11 SJM 8A-Mastic 340904417-0008A	Floor Tile Mastic	Black Non-Fibrous Heterogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
11 SJM 9A-Floor Tile 340904417-0009	Floor Tile Mastic	White Non-Fibrous Heterogeneous	8% Cellulose	90% Non-fibrous (other)	2% Chrysotile
11 SJM 9A-Mastic 340904417-0009A	Floor Tile Mastic	Black Non-Fibrous Heterogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
11 SJM 41A 340904417-0010	Floor Tile Mastic	Yellow Non-Fibrous Heterogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
11 SJM 42A 340904417-0011	Floor Tile Mastic	Yellow Non-Fibrous Heterogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
12 SJM 1A 340904417-0012	Floor Tile Mastic	Yellow Non-Fibrous Heterogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected

Report Amended: 7/29/2009 10:04:55 AM Replaces the Initial Report . Reason Code: Data Entry Error-Change to Sample ID

Analyst(s)

Randy Pruitt (84)

  
Blanca Cortes, Ph.D., Laboratory Manager  
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. The limit of detection as stated in the method is 1%. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. 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. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

Samples analyzed by EMSL Analytical, Inc. Orlando 5125 Adanson Street, Suite 900, Orlando FL NVLAP Lab Code 101151-0

**EMSL Analytical, Inc.**

5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone: (407) 599-5887 Fax: (407) 599-9063 Email: [orlandolab@emsl.com](mailto:orlandolab@emsl.com)

Attn: **Steve Geraci**  
**ECS, Ltd.**  
**2815 Directors Row.Suite 500**  
**Orlando, FL 32809**

Customer ID: ECSL77  
Customer PO:  
Received: 07/14/09 12:26 PM  
EMSL Order: 340904417

Fax: (407) 859-9599 Phone: (407) 859-8378  
Project: Bay Pines VA 24:3255

EMSL Proj:  
Analysis Date: 7/15/2009


### Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	<u>Non-Asbestos</u>		<u>Asbestos</u>
			% Fibrous	% Non-Fibrous	% Type
12 SJM 2A 340904417-0013	Floor Tile Mastic	Yellow Non-Fibrous Heterogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
12 SJM 3A 340904417-0014	Floor Tile Mastic	Yellow Non-Fibrous Heterogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
12 SJM 4A-Floor Tile 340904417-0015	Floor Tile Mastic	White Non-Fibrous Heterogeneous	5% Cellulose	85% Non-fibrous (other) 10% Quartz	None Detected
12 SJM 4A-Mastic 340904417-0015A	Floor Tile Mastic	Black Non-Fibrous Heterogeneous	10% Synthetic	90% Non-fibrous (other)	None Detected
12 SJM 5A-Floor Tile 340904417-0016	Floor Tile Mastic	White Non-Fibrous Heterogeneous	5% Cellulose	85% Non-fibrous (other) 10% Quartz	None Detected
12 SJM 5A-Mastic 340904417-0016A	Floor Tile Mastic	Black Non-Fibrous Heterogeneous	10% Synthetic	90% Non-fibrous (other)	None Detected
12 SJM 6A-Floor Tile 340904417-0017	Floor Tile Mastic	White Non-Fibrous Heterogeneous	5% Cellulose	85% Non-fibrous (other) 10% Quartz	None Detected

Report Amended: 7/29/2009 10:04:55 AM Replaces the Initial Report . Reason Code: Data Entry Error-Change to Sample ID

Analyst(s)

Randy Pruitt (84)

  
Blanca Cortes, Ph.D., Laboratory Manager  
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. The limit of detection as stated in the method is 1%. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. 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. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

Samples analyzed by EMSL Analytical, Inc. Orlando 5125 Adanson Street, Suite 900, Orlando FL NVLAP Lab Code 101151-0

**EMSL Analytical, Inc.**

5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone: (407) 599-5887 Fax: (407) 599-9063 Email: [orlandolab@emsl.com](mailto:orlandolab@emsl.com)

Attn: **Steve Geraci**  
**ECS, Ltd.**  
**2815 Directors Row.Suite 500**  
**Orlando, FL 32809**

Fax: (407) 859-9599 Phone: (407) 859-8378  
Project: Bay Pines VA 24:3255

Customer ID: ECSL77  
Customer PO:  
Received: 07/14/09 12:26 PM  
EMSL Order: 340904417  
EMSL Proj:  
Analysis Date: 7/15/2009

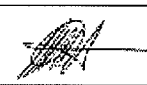
### Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
12 SJM 6A-Mastic 340904417-0017A	Floor Tile Mastic	Black Non-Fibrous Heterogeneous	10% Synthetic	90% Non-fibrous (other)	None Detected
12 SJM 44A 340904417-0018	Floor Tile Mastic	White Non-Fibrous Heterogeneous	2% Cellulose	98% Non-fibrous (other)	None Detected
		Insufficient mastic			
12 SJM 45A 340904417-0019	Floor Tile Mastic	White Non-Fibrous Heterogeneous	2% Cellulose	98% Non-fibrous (other)	None Detected
		Insufficient mastic			
12 SJM 46A 340904417-0020	Floor Tile Mastic	White Non-Fibrous Heterogeneous	2% Cellulose	98% Non-fibrous (other)	None Detected
		Insufficient mastic			
12 SJM 56A-Floor Tile 340904417-0021	Floor Tile Mastic	Brown Non-Fibrous Heterogeneous	4% Cellulose	90% Non-fibrous (other)	6% Chrysotile
12 SJM 56A-Mastic 340904417-0021A	Floor Tile Mastic	Black Non-Fibrous Heterogeneous	5% Cellulose	85% Non-fibrous (other) 10% Quartz	None Detected

Report Amended: 7/29/2009 10:04:55 AM Replaces the Initial Report . Reason Code: Data Entry Error-Change to Sample ID

Analyst(s)

Randy Pruitt (84)

  
Blanca Cortes, Ph.D., Laboratory Manager  
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. The limit of detection as stated in the method is 1%. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. 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. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

Samples analyzed by EMSL Analytical, Inc. Orlando 5125 Adanson Street, Suite 900, Orlando FL NVLAP Lab Code 101151-0

**EMSL Analytical, Inc.**

5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone: (407) 599-5887 Fax: (407) 599-9063 Email: [orlandolab@emsl.com](mailto:orlandolab@emsl.com)

Attn: **Steve Geraci**  
**ECS, Ltd.**  
**2815 Directors Row.Suite 500**  
**Orlando, FL 32809**

Fax: (407) 859-9599 Phone: (407) 859-8378  
Project: **Bay Pines VA 24:3255**

Customer ID: ECSL77  
Customer PO:  
Received: 07/14/09 12:26 PM  
EMSL Order: 340904417  
  
EMSL Proj:  
Analysis Date: 7/15/2009


### Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	<u>Non-Asbestos</u>		<u>Asbestos</u>
			% Fibrous	% Non-Fibrous	% Type
12 SJM 57A-Floor Tile 340904417-0022	Floor Tile Mastic	Brown Non-Fibrous Heterogeneous	4% Cellulose	90% Non-fibrous (other)	6% Chrysotile
12 SJM 57A-Mastic 340904417-0022A	Floor Tile Mastic	Black Non-Fibrous Heterogeneous	5% Cellulose	85% Non-fibrous (other) 10% Quartz	None Detected
12 SJM 58A-Floor Tile 340904417-0023	Floor Tile Mastic	Brown Non-Fibrous Heterogeneous	4% Cellulose	90% Non-fibrous (other)	6% Chrysotile
12 SJM 58A-Mastic 340904417-0023A	Floor Tile Mastic	Black Non-Fibrous Heterogeneous	5% Cellulose	85% Non-fibrous (other) 10% Quartz	None Detected
12 SJM 59A-Floor Tile 340904417-0024	Floor Tile Mastic	Brown Non-Fibrous Heterogeneous	4% Cellulose	94% Non-fibrous (other)	2% Chrysotile
12 SJM 59A-Mastic 340904417-0024A	Floor Tile Mastic	Black Non-Fibrous Heterogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected

Report Amended: 7/29/2009 10:04:55 AM Replaces the Initial Report . Reason Code: Data Entry Error-Change to Sample ID

Analyst(s)

Randy Pruitt (84)

  
Blanca Cortes, Ph.D., Laboratory Manager  
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. The limit of detection as stated in the method is 1%. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. 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. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

Samples analyzed by EMSL Analytical, Inc. Orlando 5125 Adanson Street, Suite 900, Orlando FL NVLAP Lab Code 101151-0





EMSL Analytical, Inc.

5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone: (407) 599-5887 Fax: (407) 599-9063 Email: orlandolab@emsl.com

Attn: **Steve Geraci**  
**ECS, Ltd.**  
**2815 Directors Row.Suite 500**  
**Orlando, FL 32809**

Customer ID: EC5L77  
 Customer PO:  
 Received: 07/14/09 12:26 PM  
 EMSL Order: 340904417

Fax: (407) 859-9599 Phone: (407) 859-8378  
 Project: Bay Pines VA 24:3255

EMSL Proj:  
 Analysis Date: 7/15/2009

### Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
12 SJM 60A-Floor Tile 340904417-0025	Floor Tile Mastic	Brown Non-Fibrous Heterogeneous	4% Cellulose	94% Non-fibrous (other)	2% Chrysotile
12 SJM 60A-Mastic 340904417-0025A	Floor Tile Mastic	Brown/Black Non-Fibrous Heterogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
12 SJM 62A-Floor Tile 340904417-0026	Floor Tile Mastic	Brown Non-Fibrous Heterogeneous	4% Cellulose	90% Non-fibrous (other)	6% Chrysotile
12 SJM 62A-Mastic 340904417-0026A	Floor Tile Mastic	Black Non-Fibrous Heterogeneous	5% Cellulose	95% Non-fibrous (other)	None Detected
12 SJM 64A-Floor Tile 340904417-0027	Floor Tile Mastic	Brown Non-Fibrous Heterogeneous	4% Cellulose	90% Non-fibrous (other)	6% Chrysotile
12 SJM 64A-Mastic 340904417-0027A	Floor Tile Mastic	Black Non-Fibrous Heterogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
13 SJM 10A-Mastic 340904417-0028	4" BLK CB Mastic	White Non-Fibrous Heterogeneous	5% Cellulose	95% Non-fibrous (other)	None Detected

Report Amended: 7/29/2009 10:04:55 AM Replaces the Initial Report . Reason Code: Data Entry Error-Change to Sample ID

Analyst(s)

Randy Pruitt (84)

Blanca Cortes, Ph.D., Laboratory Manager  
 or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. The limit of detection as stated in the method is 1%. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. 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. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

Samples analyzed by EMSL Analytical, Inc. Orlando 5125 Adanson Street, Suite 900, Orlando FL NVLAP Lab Code 101151-0



# Asbestos Survey Field Data Sheet/ Chain of Custody Form

Lab Work Order ID:

24 Hour Turn Around



EMSL ANALYTICAL, INC.  
LABORATORY • PRODUCTS • TRAINING

390904417

EMSL ANALYTICAL, INC.  
5125 ADANSON STREET  
SUITE 900  
ORLANDO FL 32804  
PHONE: (407) 599-5887

ECS Office Location: Orlando, FL  
(City, State of ECS Office)

Report via: email fax reg. mail lab-connec.  
(circle).

Project Name: Bay Pines VA

Sampled By: Steven Muskovitz

Sample Date: 7/13/2009

Project Location: Bay Pines, FL

Project Manager: Jason Marberry

Rpt. Addressed to Steve Geraci  
sgeraci@ecslimited.com

Building Number: \_\_\_\_\_

Project Number: 24: 3255

Email@ for Rpt: jmarberry@ecslimited.com

Sample No.	Homogeneous Area	Sample Description	Quantity	Friable Y/N	Location	Accessibility/Potential fo Damage
12 SJM 1A		Gray Sheet Flooring Mastic			Bld 12 Rm 1	
12 SJM 2A		↓			↓	
12 SJM 3A						
12 SJM 4A		Blk Mottled Floor tile Mastic				
12 SJM 5A		↓			↓	
12 SJM 6A						
12 SJM 44A		Wht w/Blk spec Floor tile Mastic			Bld 12 Rm 10	
12 SJM 45A		↓			↓	
12 SJM 46A						
12 SJM 56A		lt. Brown Floor tile Mastic			Bld 12 Rm 16	
12 SJM 57A		↓			↓	
12 SJM 58A						
12 SJM 59A		Burgandy Floor tile Mastic			Bld 12 Rm 12	
12 SJM 60A		↓			↓	

Relinquished By: Steve Geraci

Date: 7/13/2009

Received By: [Signature]

07-14-09 14:41 RCVD

Relinquished By: \_\_\_\_\_

Date: \_\_\_\_\_

Received By: \_\_\_\_\_

Date: \_\_\_\_\_



# Asbestos Survey Field Data Sheet/ Chain of Custody Form

Lab Work Order ID:

24 Hour Turn Around



EMSL ANALYTICAL, INC.  
LABORATORY • PRODUCTS • TRAINING

340909417

EMSL ANALYTICAL, INC.  
5125 ADANSON STREET  
SUITE 900  
ORLANDO FL 32804

PHONE: (407) 599-5887

ECS Office Location: Orlando, FL  
(City, State of ECS Office)

Report via: email fax reg. mail lab-connec  
(circle)

Project Name: Bay Pines VA  
Project Location: Bay Pines, FL  
Building Number: \_\_\_\_\_

Sampled By: Steven Muskovitz  
Project Manager: Jason Marberry  
Project Number: 24:3255

Sample Date: 7/13/2009  
Rpt. Addressed to: Steve Geraci  
Email@ for Rpt: sgeraci@ecslimited.com  
jmarberry@ecslimited.com

Sample No.	Homogeneous Area	Sample Description	Quantity	Friable Y/N	Location	Accessibility/Potential for Damage
12 SJM 62A		Dk Burgundy Floor tile Mastic			Bld 12 Rm 12	
12 SJM 64A		↓			↓	
13 SJM 10A		4" Blk CB Mastic			Bld 13 Rm 14	
13 SJM 11A		4" Blk CB Mastic			↓	
13 SJM 12A		4" Blk CB Mastic				
17 SJM 13A		Blk Face board Mastic			Bld 17 Rm 3	
17 SJM 4A		Wht Floor tile Mastic			Bld 19 Rm 6	
17 SJM 6A		Wht Floor tile Mastic			Bld 19 Rm 6	

Relinquished By: [Signature]  
Relinquished By: \_\_\_\_\_

Date: 7/13/2009  
Date: \_\_\_\_\_

Received By: [Signature]  
Received By: \_\_\_\_\_

Date: \_\_\_\_\_  
Date: \_\_\_\_\_

**EMSL Analytical, Inc.**

5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone: (407) 599-5887 Fax: (407) 599-9063 Email: orlandolab@emsl.com

Attn: **Steve Geraci**  
**ECS, Ltd.**  
**2815 Directors Row.Suite 500**  
**Orlando, FL 32809**

Fax: (407) 859-9599 Phone: (407) 859-8378  
Project: EMSL Ref#340903762


Customer ID: ECSL77  
Customer PO:  
Received: 07/22/09 9:11 AM  
EMSL Order: 340904636  
EMSL Proj: 24:3255/Bay Pines VA  
Analysis Date: 7/22/2009

**Asbestos Analysis of Bulk Material via EPA 600/R-93/116. Quantitation using 400 Point Count Procedure.**

Sample	Description	Appearance	<u>Non-Asbestos</u>		<u>Asbestos</u>
			% Fibrous	% Non-Fibrous	% Type
12-JWM-74 340904636-0001	exterior stucco	Brown Non-Fibrous Heterogeneous		99.50% Non-fibrous (other)	0.50% Chrysotile
12-JWM-75 340904636-0002	exterior stucco	Brown Non-Fibrous Heterogeneous		99.75% Non-fibrous (other)	0.25% Chrysotile
12-JWM-76 340904636-0003	exterior stucco	Brown Non-Fibrous Heterogeneous		99.50% Non-fibrous (other)	0.50% Chrysotile
12-JWM-77 340904636-0004	exterior stucco	Brown Non-Fibrous Heterogeneous			Insufficient Material
12-JWM-78 340904636-0005	exterior stucco	Brown Non-Fibrous Heterogeneous		100.00% Non-fibrous (other)	None Detected
12-JWM-79 340904636-0006	exterior stucco	Brown Non-Fibrous Heterogeneous		99.25% Non-fibrous (other)	0.75% Chrysotile
12-JWM-80 340904636-0007	exterior stucco	Brown Non-Fibrous Heterogeneous		100.00% Non-fibrous (other)	None Detected

Analyst(s)

Adelmarie Bones (6)

  
Blanca Cortes, Ph.D., Laboratory Manager  
or other approved signatory

Disclaimer: Some samples may contain asbestos fibers present in dimensions below PLM resolution limits. The limit of detection as stated in the method is 0.25%. EMSL Analytical Inc suggests that samples reported as <0.25% or none detected undergo additional analysis via TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval of EMSL Analytical Inc. This test report must not be used by the client to claim product endorsement by NVLAP or any agency of the United States Government. EMSL Analytical Inc., bears no responsibility for sample collection activities, analytical method limitations, or the accuracy of results when requested to separate layered samples. EMSL Analytical Inc., liability is limited to the cost of sample analysis. The test results contained within this report meet the requirements of NELAC unless otherwise noted. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. Orlando 5125 Adanson Street, Suite 900, Orlando FL NVLAP Lab Code 101151-0

United States Department of Commerce  
National Institute of Standards and Technology



---

**Certificate of Accreditation to ISO/IEC 17025:2005**

---

NVLAP LAB CODE: 200293-0

**EMSL Analytical, Inc.**  
Beltsville, MD

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

**BULK 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 Communiqué dated 18 June 2005).*

2009-01-01 through 2009-12-31

*Effective dates*



*Dolly S. Bruce*  
For the National Institute of Standards and Technology

United States Department of Commerce  
National Institute of Standards and Technology



**Certificate of Accreditation to ISO/IEC 17025:2005**

NVLAP LAB CODE: 101151-0

**EMSL Analytical, Inc.**  
Orlando, FL

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

**BULK 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 Communiqué dated January 2009).*

2009-07-01 through 2010-06-30

*Effective dates*



*Kelly A. Bruce*  
For the National Institute of Standards and Technology

**APPENDIX B**  
**FIELD NOTES**

Inspector JWM  
SRG Building 12

Sample #	Sample Description	Location/Room #	Damage	Quantity	Notes
1	Gray Sheet Flooring	office 1	no		
2	↓	↓	↓		
3					
4	12x12 Bl. Mottled	office 1	no		
5	Floor Tile w/				
6	Mastic				
7	Leveling compound	office 1	no		
8	under bl. Floor				
9	Tile				
10	9x9 Gr. Floor Tile	office 3	no		
11	w/ Mastic				
12	↓	↓	↓		
13	Wall Plaster	office 3	minor		
14	office ↓				
15	↓				
16	office 1	office 1			
17					
18	↓				
19					
20	New 2x4 Ceiling tile	office 3	no		
21	Pinhole Fissure	office 3			
22	white				
23	Old 2x4 Ceiling	office 3	no		
24	Tile Pinhole Fissure	office 3			
25	white				
26	Grey Wall board	office 3	no		above C.T.
27	↓	↓	↓		
28					
29	Red Firestop	office 3	no		above C.T.
30	↓	↓	↓		
31					

Date 6/17/09

Page 1 of 3



JWM  
SRG

Inspector

Building

12

12

Sample #	Sample Description	Location/Room #	Damage	Quantity	Notes
32	Blue Wall Penetrator	office 3	no		
33	caulk				
34	↓				
35	Black wall waterproofing	office 3	no		all Exterior walls
36					
37					
38	12x12 white F.T.w/	Storage 5/4	no		
39	Mastic	↓	↓		
40	↓				
41	Brown Carpet	office 1	no		
42	Mastic	↓	↓		
43		↓	↓		
44	12x12 White w/	work man. unit	no		throughout 10
45	Black specs F.T.	10	↓		
46	and mastic		↓		
47	Grey Circular Duct	office 3	no		Seam Sealant
48	↓	above C.T.	↓		↓
49	↓	↓	↓		
50	Baseboard	hallway 1	no		
51	Mastic	hallway 6	no		
52	↓	office 11	no		
53	Pipe Insulation	W. M.I.U 10	no		
54	↓	Garage 14	↓		
55	↓	↓	↓		
56	9x9 Light Brown	11			
57	F.T. and Mastic	11			
58	↓	11			
59	Burgundy 9x9 F.T.	Lab 12			
60	w/ Mastic	11			
61	↓	11			

Date 6/17/06

Page 2 of 3

Inspector

[illegible]

Date 6/17/09

Page 3 of 3