



**The Identification Specialists**

Analysis Report  
prepared for  
Leidos, Inc.

**Report Date: 9/12/2019**

**Project Name: Warrenton, VA For FAAC**

**Project #: 4759-B**

**SanAir ID#: 19045593**



NVLAP LAB CODE 200870-0

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SanAir ID Number  
19045593  
FINAL REPORT  
9/12/2019 11:36:22 AM

**Name:** Leidos, Inc.  
**Address:** 4205 NE Sunnybrook Lane  
Kansas City, MO 64117  
**Phone:** 913-254-8877

**Project Number:** 4759-B  
**P.O. Number:**  
**Project Name:** Warrenton, VA For FAAC  
**Collected Date:** 9/1/2019  
**Received Date:** 9/6/2019 10:15:00 AM

Dear Patricia Garcia,

We at SanAir would like to thank you for the work you recently submitted. The 20 sample(s) were received on Friday, September 06, 2019 via FedEx. The final report(s) is enclosed for the following sample(s): CA-001-01, CA-001-02, CA-001-03, CA-001-04, DW/DC-002-01, DW/DC-002-02, DW/DC-002-03, DW/DC-002-04, CT-003-01, CT-003-02, CT-003-03, CT-003-04, BBA-004-01, BBA-004-02, BBA-004-03, BBA-004-04, FTM-005-01, FTM-005-02, Treads-006-01, SK-007-01.

These results only pertain to this job and should not be used in the interpretation of any other job. This report is only complete in its entirety. Refer to the listing below of the pages included in a complete final report.

Sincerely,

A handwritten signature in black ink that reads "Sandra Sobrino". The signature is written in a cursive, flowing style.

Sandra Sobrino  
Asbestos & Materials Laboratory Manager  
SanAir Technologies Laboratory

Final Report Includes:  
- Cover Letter  
- Analysis Pages  
- Disclaimers and Additional Information

Sample conditions:  
- 20 samples in Good condition.



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Analyst: Moore, Brandi

### Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic	Components		Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous	
CA-001-01 / 19045593-001 Carpet Mastic	Various Non-Fibrous Homogeneous		100% Other	None Detected
CA-001-02 / 19045593-002 Carpet Mastic	Various Non-Fibrous Homogeneous		100% Other	None Detected
CA-001-03 / 19045593-003 Carpet Mastic	Various Non-Fibrous Homogeneous		100% Other	None Detected
CA-001-04 / 19045593-004 Carpet Mastic	Various Non-Fibrous Homogeneous		100% Other	None Detected
DW/DC-002-01 / 19045593-005 Drywall And Joint Compound, Drywall	White Non-Fibrous Homogeneous		100% Other	None Detected
DW/DC-002-01 / 19045593-005 Drywall And Joint Compound, Joint Compound	White Non-Fibrous Homogeneous		100% Other	None Detected
DW/DC-002-02 / 19045593-006 Drywall And Joint Compound, Drywall	White Non-Fibrous Homogeneous		100% Other	None Detected
DW/DC-002-02 / 19045593-006 Drywall And Joint Compound, Joint Compound	White Non-Fibrous Homogeneous		100% Other	None Detected
DW/DC-002-03 / 19045593-007 Drywall And Joint Compound, Drywall	White Non-Fibrous Homogeneous	5% Cellulose	95% Other	None Detected
DW/DC-002-03 / 19045593-007 Drywall And Joint Compound, Joint Compound	White Non-Fibrous Homogeneous		100% Other	None Detected

Analyst: *Brandi Moore*

Approved Signatory: *Sandra Sobierski*

Analysis Date: 9/12/2019

Date: 9/12/2019



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Analyst: Moore, Brandi

### Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic	Components		Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous	
DW/DC-002-04 / 19045593-008 Drywall And Joint Compound, Drywall	White Non-Fibrous Homogeneous	5% Cellulose	95% Other	None Detected
DW/DC-002-04 / 19045593-008 Drywall And Joint Compound, Joint Compound	White Non-Fibrous Homogeneous		100% Other	None Detected
CT-003-01 / 19045593-009 2'x2' Ceiling Tile	White Fibrous Homogeneous	50% Cellulose 30% Glass	20% Other	None Detected
CT-003-02 / 19045593-010 2'x2' Ceiling Tile	White Fibrous Homogeneous	50% Cellulose 30% Glass	20% Other	None Detected
CT-003-03 / 19045593-011 2'x2' Ceiling Tile	White Fibrous Homogeneous	50% Cellulose 30% Glass	20% Other	None Detected
CT-003-04 / 19045593-012 2'x2' Ceiling Tile	White Fibrous Homogeneous	50% Cellulose 30% Glass	20% Other	None Detected
BBA-004-01 / 19045593-013 4 Inch Vinyl Covebase, Cove Base	Black Non-Fibrous Homogeneous		100% Other	None Detected
BBA-004-01 / 19045593-013 4 Inch Vinyl Covebase, Mastic	Cream Non-Fibrous Homogeneous		100% Other	None Detected
BBA-004-02 / 19045593-014 4 Inch Vinyl Covebase, Cove Base	Black Non-Fibrous Homogeneous		100% Other	None Detected
BBA-004-02 / 19045593-014 4 Inch Vinyl Covebase, Mastic	Cream Non-Fibrous Homogeneous		100% Other	None Detected

Analyst: *Brandi Moore*

Approved Signatory: *Sandra Sobieraj*

Analysis Date: 9/12/2019

Date: 9/12/2019



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Analyst: Moore, Brandi

### Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic		Components		Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous		
BBA-004-03 / 19045593-015 4 Inch Vinyl Covebase, Cove Base	Black Non-Fibrous Homogeneous		100% Other		None Detected
BBA-004-03 / 19045593-015 4 Inch Vinyl Covebase, Mastic	Cream Non-Fibrous Homogeneous		100% Other		None Detected
BBA-004-04 / 19045593-016 4 Inch Vinyl Covebase, Cove Base	Black Non-Fibrous Homogeneous		100% Other		None Detected
BBA-004-04 / 19045593-016 4 Inch Vinyl Covebase, Mastic	Cream Non-Fibrous Homogeneous		100% Other		None Detected
FTM-005-01 / 19045593-017 12"x12" Floor Tile, Floor Tile	Green Non-Fibrous Homogeneous		100% Other		None Detected
FTM-005-01 / 19045593-017 12"x12" Floor Tile, Mastic	Tan Non-Fibrous Homogeneous		100% Other		None Detected
FTM-005-02 / 19045593-018 12"x12" Floor Tile, Floor Tile	Green Non-Fibrous Homogeneous		100% Other		None Detected
FTM-005-02 / 19045593-018 12"x12" Floor Tile, Mastic	Tan Non-Fibrous Homogeneous		100% Other		None Detected
Treads-006-01 / 19045593-019 Stair Treads And Mastic, Stair Tread	Grey Non-Fibrous Homogeneous		100% Other		None Detected
Treads-006-01 / 19045593-019 Stair Treads And Mastic, Mastic	Tan Non-Fibrous Homogeneous		100% Other		None Detected

Analyst: *Brandi Moore*

Approved Signatory: *Sandra Sobieraj*

Analysis Date: 9/12/2019

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Analyst: Moore, Brandi

### Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic	Components		Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous	
SK-007-01 / 19045593-020 Sink Condensation Shield	White Non-Fibrous Homogeneous	15% Cellulose	85% Other	None Detected

Analyst: *Brandi Moore*

Approved Signatory: *Sandra Sobieraj*

Analysis Date: 9/12/2019

Date: 9/12/2019

## **Disclaimer**

The final report cannot be reproduced, except in full, without written authorization from SanAir. Fibers smaller than 5 microns cannot be seen with this method due to scope limitations. The accuracy of the results is dependent upon the client's sampling procedure and information provided to the laboratory by the client. SanAir assumes no responsibility for the sampling procedure and will provide evaluation reports based solely on the sample and information provided by the client. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Samples are held for a period of 60 days.

For NY state samples, method EPA 600/M4-82-020 is performed.

Polarized- light microscopy is not consistently reliable in detecting asbestos in floor covering and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

### Asbestos Certifications

NVLAP lab code 200870

City of Philadelphia: ALL-460

PA Department of Environmental Protection Number: 68-05397

California License Number: 2915

Colorado License Number: AL-23143

Connecticut License Number: PH-0105

Massachusetts License Number: AA000222

Maine License Number: LB-0075

New York ELAP lab ID: 11983

Rhode Island License Number: AAL-126

Texas Department of State Health Services License Number: 300440

Commonwealth of Virginia 3333000323

Washington State License Number: C989

West Virginia License Number: LT000566

Vermont License: AL166318

Revision Date: 11/30/2017



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 Fax 804.897.0070  
[sanair.com](http://sanair.com)

**Asbestos**  
**Chain of Custody**  
 Form 140, Rev 2, 5/18/18

SanAir ID Number
19045593

Company: <b>Leidos</b>	Project #: <b>4759-B</b>	Collect by: <b>Patricia Garcia</b>
Address: <b>14015 West 95th</b>	Project Name: <b>Warrenton, VA for FAAC</b>	Phone #: <b>816-209-4472</b>
City, St., Zip: <b>Lenexa, KS 66215</b>	Date Collected: <b>09-01-2019</b>	Fax #: <b>913-254-8886</b>
State of Collection: <b>VA</b> Account#:	P.O. Number:	Email: <b>patricia.ctr.garcia@faa.gov</b>

Bulk			Air			Soil		
ABB	PLM EPA 600/R-93/116	<input checked="" type="checkbox"/>	ABA	PCM NIOSH 7400	<input type="checkbox"/>	ABSE	PLM EPA 600/R-93/116 (Qual.)	<input type="checkbox"/>
	Positive Stop	<input type="checkbox"/>	ABA-2	OSHA w/ TWA*	<input type="checkbox"/>	<b>Vermiculite &amp; Soil</b>		
ABEPA	PLM EPA 400 Point Count	<input type="checkbox"/>	ABTEM	TEM AHERA	<input type="checkbox"/>	ABSP	PLM CARB 435 (LOD <1%)	<input type="checkbox"/>
ABB1K	PLM EPA 1000 Point Count	<input type="checkbox"/>	ABATN	TEM NIOSH 7402	<input type="checkbox"/>	ABSP1	PLM CARB 435 (LOD 0.25%)	<input type="checkbox"/>
ABBN	PLM EPA NOB**	<input type="checkbox"/>	ABT2	TEM Level II	<input type="checkbox"/>	ABSP2	PLM CARB 435 (LOD 0.1%)	<input type="checkbox"/>
ABBCH	TEM Chatfield**	<input type="checkbox"/>	Other:		<input type="checkbox"/>	<b>Dust</b>		
ABBTM	TEM EPA NOB**	<input type="checkbox"/>	<b>New York ELAP</b>			ABWA	TEM Wipe ASTM D-6480	<input type="checkbox"/>
ABQ	PLM Qualitative	<input type="checkbox"/>	ABEPA2	NY ELAP 198.1	<input type="checkbox"/>	ABDMV	TEM Microvac ASTM D-5755	<input type="checkbox"/>
** Available on 24-hr. to 5-day TAT			ABENY	NY ELAP 198.6 PLM NOB	<input type="checkbox"/>	<b>Matrix Other</b>		
<b>Water</b>			ABBNY	NY ELAP 198.4 TEM NOB	<input type="checkbox"/>			
ABHE	EPA 100.2	<input type="checkbox"/>						

Turn Around Times	3 HR (4 HR TEM)	<input type="checkbox"/>	6 HR (8HR TEM)	<input type="checkbox"/>	12 HR	<input type="checkbox"/>	24 HR	<input type="checkbox"/>
	2 Days	<input type="checkbox"/>	3 Days	<input checked="" type="checkbox"/>	4 Days	<input type="checkbox"/>	5 Days	<input type="checkbox"/>

**Special Instructions**

Sample #	Sample Identification/Location	Volume or Area	Sample Date	Flow Rate*	Start - Stop Time*
CA-001-01	Clear carpet mastic		09-01-2019		
CA-001-02	Clear carpet mastic		09-01-2019		
CA-001-03	Clear carpet mastic		09-01-2019		
CA-001-04	Clear carpet mastic		09-01-2019		
DW/DC-002-01	Drywall and Joint Compound		09-01-2019		
DW/DC-002-02	Drywall and Joint Compound		09-01-2019		
DW/DC-002-03	Drywall and Joint Compound		09-01-2019		
DW/DC-002-04	Drywall and Joint Compound		09-01-2019		
CT-003-01	2'x2' white with small pinholes ceiling tile		09-01-2019		
CT-003-02	2'x2' white with small pinholes ceiling tile		09-01-2019		
CT-003-03	2'x2' white with small pinholes ceiling tile		09-01-2019		
CT-003-04	2'x2' white with small pinholes ceiling tile		09-01-2019		

Relinquished by	Date	Time	Received by	Date	Time
Patricia J Garcia	09-05-2019	12:35	<i>cell</i>	9-8-19	10:15am

If no technician is provided, then the primary contact for your account will be selected. Unless scheduled, the turnaround time for all samples received after 3 pm EST will be logged in the next business day. Weekend or holiday work must be scheduled ahead of time and is charged at 150% of the 3hr TAT or a minimum charge of \$150. A courier charge will be applied for same day and one-day turnaround times for offsite work. SanAir covers Standard Overnight FedEx shipping. Shipments billed to SanAir with a faster shipping rate will result in additional charges.



19045593

Sample #	Sample Identification/Location	Volume or Area	Sample Date	Flow Rate*	Start - Stop Time*
BBA-004-01	4 Inch Black Vinyl Covebase		09-01-2019		
BBA-004-02	4 Inch Black Vinyl Covebase		09-01-2019		
BBA-004-03	4 Inch Black Vinyl Covebase		09-01-2019		
BBA-004-04	4 Inch Black Vinyl Covebase		09-01-2019		
FTM-005-01	12"x12" Teal Green Floor Tile		09-01-2019		
FTM-005-02	12"x12" Teal Green Floor Tile		09-01-2019		
Treads-006-01	Grey Stair Treads and Mastic		09-01-2019		
SK-007-01	White Sink Condensation Shield		09-01-2019		

Special Instructions	
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Relinquished by	Date	Time	Received by	Date	Time
Patricia J Garcia	09-05-2019	12:35	<i>[Signature]</i>	09-10-19	10:15am

If no technician is provided, then the primary contact for your account will be selected. Unless scheduled, the turnaround time for all samples received after 3 pm EST will be logged in the next business day. Weekend or holiday work must be scheduled ahead of time and is charged at 150% of the 3hr TAT or a minimum charge of \$150. A courier charge will be applied for same day and one-day turnaround times for offsite work. SanAir covers Standard Overnight FedEx shipping. Shipments billed to SanAir with a faster shipping rate will result in additional charges.