

## Appendix H

### Analytical Reports – Asbestos (LabCor - Soil)

## No: 09/26/13-0003

Cooler #: 1  
Lab: Labcor  
Lab Phone: 503-224-5055

[illegible]

**Special Instructions:** Short Turn, per JH discussions with S. Cowan.

Preum: SD Final: 10D

**SAMPLES TRANSFERRED FROM**

CHAIN OF CUSTODY #

09/26/13-0003

[illegible]

**Client:** Dynamac  
1202 Executive Drive West  
Richardson, TX 75081

**Report Number:** 131998R02  
**Report Date:** 12/23/2013

**Job Number:** 131998

**P.O. No:** n/a

**Project Name:** Southwest Vermiculite\_February

**Project Number:** 09-26-13-0003

**Project Notes:**

<b>Client Sample ID:</b>	AA-019-01		<b>Sample ID:</b>	S1		<b>Date Analyzed:</b>	10/08/2013	
<b>Client Sample Description:</b>	AA-019					<b>Analyst:</b>	Stephanie Golden	
<b>Asbestos Mineral Fibers</b>	Layer							<b>Percent Asbestos:</b>
	Percent:	Chrysotile	Amosite	Crocidolite				
<b>Homogeneous</b>						<b>Point Count: 1</b>	<b>Point Count Fields: 400</b>	
fine powder, brown	100 %	-	-	-		Libby 0.25 %		0.25 %
						Amphibole-		
<b>Other Fibers</b>	Fibrous		Mineral					
	Glass	Cellulose	Wool	Synthetic	Other			Matrix
	-	1 %	-	-	-	-	-	98.75 %

<b>Client Sample ID:</b>	AA-019-16		<b>Sample ID:</b>	S2		<b>Date Analyzed:</b>	10/08/2013	
<b>Client Sample Description:</b>	AA-019					<b>Analyst:</b>	Stephanie Golden	
<b>Asbestos Mineral Fibers</b>	Layer							<b>Percent Asbestos:</b>
	Percent:	Chrysotile	Amosite	Crocidolite				
<b>Homogeneous</b>						<b>Point Count: 3</b>	<b>Point Count Fields: 400</b>	
fine powder, brown	100 %	-	-	-		Libby 0.75 %		0.75 %
						Amphibole-		
<b>Other Fibers</b>	Fibrous		Mineral					
	Glass	Cellulose	Wool	Synthetic	Other			Matrix
	-	0.75 %	-	-	-	-	-	98.5 %

<b>Client Sample ID:</b>	AA-020-01		<b>Sample ID:</b>	S3		<b>Date Analyzed:</b>	10/08/2013	
<b>Client Sample Description:</b>	AA-020					<b>Analyst:</b>	Stephanie Golden	
<b>Asbestos Mineral Fibers</b>	Layer							<b>Percent Asbestos:</b>
	Percent:	Chrysotile	Amosite	Crocidolite				
<b>Homogeneous</b>						<b>Point Count: 0</b>	<b>Point Count Fields: 400</b>	
fine powder, brown	100 %	-	-	-				NAD
<b>Other Fibers</b>	Fibrous		Mineral					
	Glass	Cellulose	Wool	Synthetic	Other			Matrix
	0.25 %	0.75 %	-	-	-	-	-	99 %

<b>Client Sample ID:</b>	AA-020-16		<b>Sample ID:</b>	S4		<b>Date Analyzed:</b>	10/08/2013	
<b>Client Sample Description:</b>	AA-020					<b>Analyst:</b>	Stephanie Golden	
<b>Asbestos Mineral Fibers</b>	Layer							<b>Percent Asbestos:</b>
	Percent:	Chrysotile	Amosite	Crocidolite				
<b>Homogeneous</b>						<b>Point Count: 0</b>	<b>Point Count Fields: 400</b>	
fine powder, brown	100 %	-	-	-				NAD
<b>Other Fibers</b>	Fibrous		Mineral					
	Glass	Cellulose	Wool	Synthetic	Other			Matrix
	-	0.5 %	-	-	-	-	-	99.5 %

**Job Number: 131998**

**Report Number: 131998R02**

**Report Date: 12/23/2013**

<b>Client Sample ID:</b> AA-021-16		<b>Sample ID:</b> S5		<b>Date Analyzed:</b> 10/08/2013	
<b>Client Sample Description:</b> AA-021				<b>Analyst:</b> Stephanie Golden	
<b>Asbestos Mineral Fibers</b>				<b>Percent Asbestos:</b>	
	Layer				
	Percent:	Chrysotile	Amosite	Crocidolite	
<b>Homogeneous</b>				<b>Point Count: 0</b>	<b>Point Count Fields: 400</b>
fine powder, brown	100 %	-	-	-	<b>NAD</b>
<b>Other Fibers</b>	Fibrous	Mineral			
	Glass	Wool	Synthetic	Other	Matrix
	-	0.25 %	-	-	99.75 %

This laboratory participates in the National Voluntary Laboratory Accreditation Program (NVLAP).  
Testing method is per 40 CFR 763 Subpart F, Appendix A, PLM.

Layered samples are considered non-homogeneous. "Misc" is miscellaneous. "NAD" is No Asbestos Detected.

Asbestos consists of the following minerals: chrysotile, amosite, crocidolite, tremolite, actinolite, anthophyllite.

Small diameter fibers such as those found in vinyl floor tiles, may not be detected by PLM.

Asbestos detection interferences may result from material binders.

Qualitative and quantitative TEM analysis may be recommended for difficult samples.

Quantitative analysis by PLM point count or TEM is recommended for samples testing at < or = to 1% asbestos.

The following estimate of error for this method by visual estimation of asbestos percent are as follows:

1% asbestos: 0-3% error, 5% asbestos: 1-9% error, 10% asbestos: 5-15% error, 20% asbestos: 10-30% error.

This report pertains only to the samples listed on the report. Report considered valid only when signed by analyst.

**Reviewed by:**

  
X

**Stephanie Golden**

**Analyst**

[illegible]

100 Feet

### SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

[illegible]

**Client:** Dynamac  
1323 Columbia Drive, Suite 307  
Richardson, TX 75081

**Report Number:** 132309R02

**Report Date:** 12/23/2013

**Job Number:** 132309

**P.O. No:** n/a

**Project Name:** SWV2\_RemovalAction-TX

**Project Number:** 6-111113-172057-0002

**Project Notes:**

<b>Client Sample ID:</b>	<b>BF01_111113_06</b>			<b>Sample ID:</b>	<b>S1</b>			<b>Date Analyzed:</b>	<b>11/15/2013</b>		
<b>Client Sample Description:</b>	Backfill Borrow Pit							<b>Analyst:</b>	Stephanie Golden		
<b>Asbestos Mineral Fibers</b>	Layer								<b>Percent Asbestos:</b>		
	Percent:			Chrysotile	Amosite	Crocidolite					
<b>Homogeneous</b>								<b>Point Count:</b>	<b>0</b>		
	fine powder, brown			100 %	-	-	-	<b>Point Count Fields:</b>	<b>400</b>		
									<b>NAD</b>		
<b>Other Fibers</b>	Fibrous			Mineral							
	Glass			Wool	Synthetic	Other			Matrix		
	Cellulose								100 %		
	-			-	-	-	-				
<b>Client Sample ID:</b>	<b>BF012_111113_06</b>			<b>Sample ID:</b>	<b>S2</b>			<b>Date Analyzed:</b>	<b>11/15/2013</b>		
<b>Client Sample Description:</b>	Backfill Borrow Pit							<b>Analyst:</b>	Stephanie Golden		
<b>Asbestos Mineral Fibers</b>	Layer								<b>Percent Asbestos:</b>		
	Percent:			Chrysotile	Amosite	Crocidolite					
<b>Homogeneous</b>								<b>Point Count:</b>	<b>0</b>		
	fine powder, brown			100 %	-	-	-	<b>Point Count Fields:</b>	<b>400</b>		
									<b>NAD</b>		
<b>Other Fibers</b>	Fibrous			Mineral							
	Glass			Wool	Synthetic	Other			Matrix		
	Cellulose								100 %		
	-			-	-	-	-				
<b>Client Sample ID:</b>	<b>BF02_111113_06</b>			<b>Sample ID:</b>	<b>S3</b>			<b>Date Analyzed:</b>	<b>11/15/2013</b>		
<b>Client Sample Description:</b>	Backfill Borrow Pit							<b>Analyst:</b>	Stephanie Golden		
<b>Asbestos Mineral Fibers</b>	Layer								<b>Percent Asbestos:</b>		
	Percent:			Chrysotile	Amosite	Crocidolite					
<b>Homogeneous</b>								<b>Point Count:</b>	<b>0</b>		
	fine powder, brown			100 %	-	-	-	<b>Point Count Fields:</b>	<b>400</b>		
									<b>NAD</b>		
<b>Other Fibers</b>	Fibrous			Mineral							
	Glass			Wool	Synthetic	Other			Matrix		
	Cellulose								100 %		
	-			-	-	-	-				
<b>Client Sample ID:</b>	<b>CM01_111113_06</b>			<b>Sample ID:</b>	<b>S4</b>			<b>Date Analyzed:</b>	<b>11/15/2013</b>		
<b>Client Sample Description:</b>	Materials Storage Yard							<b>Analyst:</b>	Stephanie Golden		
<b>Asbestos Mineral Fibers</b>	Layer								<b>Percent Asbestos:</b>		
	Percent:			Chrysotile	Amosite	Crocidolite					
<b>Homogeneous</b>								<b>Point Count:</b>	<b>0</b>		
	fine powder, brown			100 %	-	-	-	<b>Point Count Fields:</b>	<b>400</b>		
									<b>NAD</b>		
<b>Other Fibers</b>	Fibrous			Mineral							
	Glass			Wool	Synthetic	Other			Matrix		
	Cellulose								100 %		
	-			-	-	-	-				

Job Number: 132309

Report Number: 132309R02

Report Date: 12/23/2013

**Client Sample ID:** CM012\_111113\_06 **Sample ID:** S5 **Date Analyzed:** 11/15/2013  
**Client Sample Description:** Materials Storage Yard **Analyst:** Stephanie Golden  
**Asbestos Mineral Fibers** Layer  
Percent: Chrysotile Amosite Crocidolite **Percent Asbestos:**  
**Homogeneous** Point Count: 0 Point Count Fields: 400  
fine powder, brown 100 % Trace - - < 0.25 %  
**Other Fibers** Fibrous Mineral  
Glass Cellulose Wool Synthetic Other Matrix  
- - - - - 100 %

Comments: One chrysotile bundle was detected within the field of view of the reticule.

**Client Sample ID:** CM02\_111113\_06 **Sample ID:** S6 **Date Analyzed:** 11/15/2013  
**Client Sample Description:** Materials Storage Yard **Analyst:** Stephanie Golden  
**Asbestos Mineral Fibers** Layer  
Percent: Chrysotile Amosite Crocidolite **Percent Asbestos:**  
**Homogeneous** Point Count: 0 Point Count Fields: 400  
fine powder, brown 100 % - - - NAD  
**Other Fibers** Fibrous Mineral  
Glass Cellulose Wool Synthetic Other Matrix  
- - - - - 100 %

**Client Sample ID:** SWV2\_BNC\_06 **Sample ID:** S7 **Date Analyzed:** 11/15/2013  
**Client Sample Description:** Area A, Grid B-North **Analyst:** Stephanie Golden  
**Asbestos Mineral Fibers** Layer  
Percent: Chrysotile Amosite Crocidolite **Percent Asbestos:**  
**Homogeneous** Point Count: 0 Point Count Fields: 400  
fine powder, brown 100 % - - - NAD  
**Other Fibers** Fibrous Mineral  
Glass Cellulose Wool Synthetic Other Matrix  
- - - - - 100 %

This laboratory participates in the National Voluntary Laboratory Accreditation Program (NVLAP).  
Testing method is per 40 CFR 763 Subpart F, Appendix A, PLM.

Layered samples are considered non-homogeneous. "Misc" is miscellaneous. "NAD" is No Asbestos Detected.

Asbestos consists of the following minerals: chrysotile, amosite, crocidolite, tremolite, actinolite, anthophyllite.

Small diameter fibers such as those found in vinyl floor tiles, may not be detected by PLM.

Asbestos detection interferences may result from material binders.

Qualitative and quantitative TEM analysis may be recommended for difficult samples.

Quantitative analysis by PLM point count or TEM is recommended for samples testing at < or = to 1% asbestos.

The following estimate of error for this method by visual estimation of asbestos percent are as follows:

1% asbestos: 0-3% error, 5% asbestos: 1-9% error, 10% asbestos: 5-15% error, 20% asbestos: 10-30% error.

This report pertains only to the samples listed on the report. Report considered valid only when signed by analyst.

**Reviewed by:**

Signature for Lab Use Only  
X 

Stephanie Golden  
Analyst

DateShipped: 11/16/2013

CarrierName: FedEx

**AirbillNo: 797177150573**

## CHAIN OF CUSTODY RECORD

SWV2\_RemovalAction/TX

**Contact Name:** John Koehnen

**Contact Phone: 909-331-5102**

**No: 6-111613-145946-0009**

Cooler #: 1

**Lab: Lab/Cor Portland**

**Lab Phone: 503-224-5055**

132365

[illegible]

<p>Special Instructions: Project Code = S101-19H</p>	<p>SAMPLES TRANSFERRED FROM</p>	<p>CHAIN OF CUSTODY #</p>
------------------------------------------------------	---------------------------------	---------------------------

[illegible]



**Client:** Dynamac  
1323 Columbia Drive, Suite 307  
Richardson, TX 75081

**Report Number:** 132365R02

**Report Date:** 12/24/2013

**Job Number:** 132365

**P.O. No:** n/a

**Project Name:** SWV2\_RemovalAction-TX

**Project Number:** 6-111613-145946-0009

**Project Notes:**

<b>Client Sample ID:</b>	<b>CMB01_111613_06</b>	<b>Sample ID:</b>	S1	<b>Date Analyzed:</b>	11/20/2013
<b>Client Sample Description:</b>	Materials Store Yard			<b>Analyst:</b>	Stephanie Golden
<b>Asbestos Mineral Fibers</b>	Layer				
	Percent:	Chrysotile	Amosite	Crocidolite	<b>Percent Asbestos:</b>
<b>Homogeneous</b>				<b>Point Count: 0</b>	<b>Point Count Fields: 400</b>
fine powder, brown	100 %	-	-	-	<b>NAD</b>
<b>Other Fibers</b>	Fibrous	Mineral			
	Glass	Wool	Synthetic	Other	Matrix
	Cellulose				100 %
	-	-	-	-	

<b>Client Sample ID:</b>	<b>CMB12_111613_06</b>	<b>Sample ID:</b>	S2	<b>Date Analyzed:</b>	11/20/2013
<b>Client Sample Description:</b>	Materials Store Yard			<b>Analyst:</b>	Stephanie Golden
<b>Asbestos Mineral Fibers</b>	Layer				
	Percent:	Chrysotile	Amosite	Crocidolite	<b>Percent Asbestos:</b>
<b>Homogeneous</b>				<b>Point Count: 0</b>	<b>Point Count Fields: 400</b>
fine powder, brown	100 %	-	-	-	<b>NAD</b>
<b>Other Fibers</b>	Fibrous	Mineral			
	Glass	Wool	Synthetic	Other	Matrix
	Cellulose				100 %
	Trace	-	-	-	

<b>Client Sample ID:</b>	<b>CMB02_111613_06</b>	<b>Sample ID:</b>	S3	<b>Date Analyzed:</b>	11/20/2013
<b>Client Sample Description:</b>	Materials Store Yard			<b>Analyst:</b>	Stephanie Golden
<b>Asbestos Mineral Fibers</b>	Layer				
	Percent:	Chrysotile	Amosite	Crocidolite	<b>Percent Asbestos:</b>
<b>Homogeneous</b>				<b>Point Count: 0</b>	<b>Point Count Fields: 0</b>
fine powder, brown	100 %	-	-	-	<b>NAD</b>
<b>Other Fibers</b>	Fibrous	Mineral			
	Glass	Wool	Synthetic	Other	Matrix
	Cellulose				100 %
	Trace	-	-	-	

**Job Number: 132365****Report Number: 132365R02****Report Date: 12/24/2013**

This laboratory participates in the National Voluntary Laboratory Accreditation Program (NVLAP).  
Testing method is per 40 CFR 763 Subpart F, Appendix A, PLM.

Layered samples are considered non-homogeneous. "Misc" is miscellaneous. "NAD" is No Asbestos Detected.

Asbestos consists of the following minerals: chrysotile, amosite, crocidolite, tremolite, actinolite, anthophyllite.

Small diameter fibers such as those found in vinyl floor tiles, may not be detected by PLM.

Asbestos detection interferences may result from material binders.

Qualitative and quantitative TEM analysis may be recommended for difficult samples.

Quantitative analysis by PLM point count or TEM is recommended for samples testing at < or = to 1% asbestos.

The following estimate of error for this method by visual estimation of asbestos percent are as follows:

1% asbestos: 0-3% error, 5% asbestos: 1-9% error, 10% asbestos: 5-15% error, 20% asbestos: 10-30% error.

This report pertains only to the samples listed on the report. Report considered valid only when signed by analyst.

**Reviewed by:**

  
X

**Stephanie Golden****Analyst**

DateShipped: 11/18/2013

CarrierName: FedEx

**Airbús No: 797187589303**

132368-5011

## CHAIN OF CUSTODY RECORD

SWW2 RemovalAction/TX

**Contact Name:** John Koehnen

**Contact Phone: 909-331-5102**

132367-PCM

**No: 6-111813-163834-0011**

Cooler #:

**Lab: Lab/Cor Portland**

**Lab Phone: 503-224-5055**

[illegible]

## SAMPLES TRANSFERRED FROM

**CHAIN OF CUSTODY #**

Special Instructions: Project Code: S101-19H

[illegible]



# Lab/Cor Portland, Inc.

4321 SW Corbett Ave., Ste A  
Portland, OR 97239

## BULK SAMPLE ASBESTOS ANALYSIS

### Asbestos and Environmental Analysis

Phone: (503) 224-5055  
Fax: (503) 228-8282  
http://www.labcorpdx.net

**Client:** Dynamac  
1323 Columbia Drive, Suite 307  
Richardson, TX 75081

**Report Number:** 132368R02

**Report Date:** 12/24/2013

**Job Number:** 132368

**P.O. No:** n/a

**Project Name:** SWV2\_RemovalAction-TX

**Project Number:** 6-111813-163834-0011

**Project Notes:**

<b>Client Sample ID:</b>	SWV2_EC010_06			<b>Sample ID:</b>	S1		<b>Date Analyzed:</b>	11/22/2013	
<b>Client Sample Description:</b>	Area E, Grid 010						<b>Analyst:</b>	Stephanie Golden	
<b>Asbestos Mineral Fibers</b>	Layer							<b>Percent Asbestos:</b>	
	Percent:	Chrysotile	Amosite	Crocidolite					
<b>Homogeneous</b>					<b>Point Count:</b>	0	<b>Point Count Fields:</b>	400	
fine powder, brown	100 %	-	-	-					NAD
<b>Other Fibers</b>	Fibrous	Mineral							
	Glass	Wool	Synthetic	Other				Matrix	
	-	-	-	-				100 %	

<b>Client Sample ID:</b>	SWV2_EC011_06			<b>Sample ID:</b>	S2		<b>Date Analyzed:</b>	11/22/2013	
<b>Client Sample Description:</b>	Area E, Grid 011						<b>Analyst:</b>	Stephanie Golden	
<b>Asbestos Mineral Fibers</b>	Layer							<b>Percent Asbestos:</b>	
	Percent:	Chrysotile	Amosite	Crocidolite					
<b>Homogeneous</b>					<b>Point Count:</b>	0	<b>Point Count Fields:</b>	0	
fine powder, brown	100 %	-	-	-					NAD
<b>Other Fibers</b>	Fibrous	Mineral							
	Glass	Wool	Synthetic	Other				Matrix	
	-	-	-	-				100 %	

This laboratory participates in the National Voluntary Laboratory Accreditation Program (NVLAP).  
Testing method is per 40 CFR 763 Subpart F, Appendix A, PLM.

Layered samples are considered non-homogeneous. "Misc" is miscellaneous. "NAD" is No Asbestos Detected.

Asbestos consists of the following minerals: chrysotile, amosite, crocidolite, tremolite, actinolite, anthophyllite.

Small diameter fibers such as those found in vinyl floor tiles, may not be detected by PLM.

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1% asbestos: 0-3% error, 5% asbestos: 1-9% error, 10% asbestos: 5-15% error, 20% asbestos: 10-30% error.

This report pertains only to the samples listed on the report. Report considered valid only when signed by analyst.

#### Reviewed by:

Digital Signature for Lab Use Only  
X 

Stephanie Golden

Analyst

**USEPA**

DateShipped: 11/19/2013

CarrierName: FedEx

Airbill#No: 797196367569

## CHAIN OF CUSTODY RECORD

SWW2 RemovalAction/TX

**Contact Name:** John Koehnen

**Contact Phone: 909-331-5102**

**No: 6-111913-164509-0012**

Cooler #: 1

**Lab: Lab/Cor Portland**

**Lab Phone: 503-224-5055**

SOIL: 132379  
PUM: 132380

[illegible]

# SAMPLES TRANSFERRED FROM

**CHAIN OF CUSTODY #**

Special Instructions: Project Code = S101-19H

[illegible]

**Client:** Dynamac  
1323 Columbia Drive, Suite 307  
Richardson, TX 75081

**Report Number:** 132379R02

**Report Date:** 12/24/2013

**Job Number:** 132379

**P.O. No:** n/a

**Project Name:** SWV2\_RemovalAction-TX

**Project Number:** 6-111913-164509-0012

**Project Notes:**

<b>Client Sample ID:</b>	<b>SWV2_ASC_06</b>		<b>Sample ID:</b>	S1		<b>Date Analyzed:</b>	11/22/2013	
<b>Client Sample Description:</b>	Area A, South Subgrid A					<b>Analyst:</b>	Stephanie Golden	
<b>Asbestos Mineral Fibers</b>	Layer							<b>Percent Asbestos:</b>
	Percent:	Chrysotile	Amosite	Crocidolite				
<b>Homogeneous</b>						<b>Point Count:</b>	<b>Point Count Fields:</b>	
fine powder, brown	100 %	-	-	-		0	400	<b>NAD</b>
<b>Other Fibers</b>	Fibrous	Mineral						
	Glass	Wool	Synthetic	Other				Matrix
	-	-	-	-	-	-	-	100 %

<b>Client Sample ID:</b>	<b>SWV2_EC001_06</b>		<b>Sample ID:</b>	S2		<b>Date Analyzed:</b>	11/22/2013	
<b>Client Sample Description:</b>	Area E, Subgrid 001					<b>Analyst:</b>	Stephanie Golden	
<b>Asbestos Mineral Fibers</b>	Layer							<b>Percent Asbestos:</b>
	Percent:	Chrysotile	Amosite	Crocidolite				
<b>Homogeneous</b>						<b>Point Count:</b>	<b>Point Count Fields:</b>	
fine powder, brown	100 %	-	-	-		6	400	
						Libby 1.5 %		<b>1.5 %</b>
						Amphibole-		
<b>Other Fibers</b>	Fibrous	Mineral						
	Glass	Wool	Synthetic	Other				Matrix
	-	-	-	-	-	-	-	98.5 %

<b>Client Sample ID:</b>	<b>SWV2_EC002_06</b>		<b>Sample ID:</b>	S3		<b>Date Analyzed:</b>	11/22/2013	
<b>Client Sample Description:</b>	Area E, Subgrid 002					<b>Analyst:</b>	Stephanie Golden	
<b>Asbestos Mineral Fibers</b>	Layer							<b>Percent Asbestos:</b>
	Percent:	Chrysotile	Amosite	Crocidolite				
<b>Homogeneous</b>						<b>Point Count:</b>	<b>Point Count Fields:</b>	
fine powder, brown	100 %	-	-	-		0	400	
						Libby Trace		<b>&lt; 0.25 %</b>
						Amphibole-		
<b>Other Fibers</b>	Fibrous	Mineral						
	Glass	Wool	Synthetic	Other				Matrix
	-	-	-	-	-	-	-	100 %

**Job Number: 132379****Report Number: 132379R02****Report Date: 12/24/2013**

This laboratory participates in the National Voluntary Laboratory Accreditation Program (NVLAP).  
Testing method is per 40 CFR 763 Subpart F, Appendix A, PLM.

Layered samples are considered non-homogeneous. "Misc" is miscellaneous. "NAD" is No Asbestos Detected.

Asbestos consists of the following minerals: chrysotile, amosite, crocidolite, tremolite, actinolite, anthophyllite.

Small diameter fibers such as those found in vinyl floor tiles, may not be detected by PLM.

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The following estimate of error for this method by visual estimation of asbestos percent are as follows:

1% asbestos: 0-3% error, 5% asbestos: 1-9% error, 10% asbestos: 5-15% error, 20% asbestos: 10-30% error.

This report pertains only to the samples listed on the report. Report considered valid only when signed by analyst.

**Reviewed by:**

  
X

**Stephanie Golden****Analyst**

**No: 6-112113-160418-0014**

Cooler #:  
Lab: Lab/Cor Portland  
Lab Phone: 503-224-5055

<p>Special Instructions: Project Code: S101-19H</p>	<p><b>SAMPLES TRANSFERRED FROM</b></p>
	<p><b>CHAIN OF CUSTODY #</b></p>

[illegible]



**Client:** Dynamac  
1323 Columbia Drive, Suite 307  
Richardson, TX 75081

**Report Number:** 132406R02

**Report Date:** 12/24/2013

**Job Number:** 132406

**P.O. No:** n/a

**Project Name:** SWV2\_RemovalAction-TX

**Project Number:** 6-112113-160418-0014

**Project Notes:**

<b>Client Sample ID:</b>	SWV2_EC006_06		<b>Sample ID:</b>	S1		<b>Date Analyzed:</b>	11/26/2013	
<b>Client Sample Description:</b>	Area E, Subgrid 006					<b>Analyst:</b>	Karyn Patridge	
<b>Asbestos Mineral Fibers</b>	Layer							<b>Percent Asbestos:</b>
	Percent:	Chrysotile	Amosite	Crocidolite				
<b>Homogeneous</b>						<b>Point Count:</b>	<b>400</b>	<b>Point Count Fields:</b> 0
fine powder, brown	100 %	-	-	-				<b>NAD</b>
<b>Other Fibers</b>	Fibrous	Mineral						
	Glass	Wool	Synthetic	Other				Matrix
	-	Trace	-	-	-	-	-	100 %

This laboratory participates in the National Voluntary Laboratory Accreditation Program (NVLAP).  
Testing method is per 40 CFR 763 Subpart F, Appendix A, PLM.

Layered samples are considered non-homogeneous. "Misc" is miscellaneous. "NAD" is No Asbestos Detected.

Asbestos consists of the following minerals: chrysotile, amosite, crocidolite, tremolite, actinolite, anthophyllite.

Small diameter fibers such as those found in vinyl floor tiles, may not be detected by PLM.

Asbestos detection interferences may result from material binders.

Qualitative and quantitative TEM analysis may be recommended for difficult samples.

Quantitative analysis by PLM point count or TEM is recommended for samples testing at < or = to 1% asbestos.

The following estimate of error for this method by visual estimation of asbestos percent are as follows:

1% asbestos: 0-3% error, 5% asbestos: 1-9% error, 10% asbestos: 5-15% error, 20% asbestos: 10-30% error.

This report pertains only to the samples listed on the report. Report considered valid only when signed by analyst.

**Reviewed by:**

*Stephanie Golden*

**Stephanie Golden**  
**Analyst**

**No: 6-120313-172229-0017**

**Lab: Lab/Cor Portland**

Lab: Lab/Cor Portland

**Lab Phone: 503-224-5055**

**No: 6-120313-172229-0017**

[illegible]

**Special Instructions: 1 Soil / 6 PCM - Charge Code: S101-19H**

**SAMPLES TRANSFERRED FROM**  
**CHAIN OF CUSTODY #**

Items/Reason	Relinquished by	Date	Received by	Date	Time
7	[Signature]	12/3/13	FEDX Smith	12/3/13	1800
				12/4/13	9:15am



# Lab/Cor Portland, Inc.

4321 SW Corbett Ave., Ste A  
Portland, OR 97239

## BULK SAMPLE ASBESTOS ANALYSIS

### Asbestos and Environmental Analysis

Phone: (503) 224-5055  
Fax: (503) 228-8282  
<http://www.labcorpdx.net>

**Client:** Dynamac  
1323 Columbia Drive, Suite 307  
Richardson, TX 75081

**Report Number:** 132479R02

**Report Date:** 12/26/2013

**Job Number:** 132479

**P.O. No:** n/a

**Project Name:** SWV2\_RemovalAction-TX

**Project Number:** 6-120313-172229-0017

#### Project Notes:

<b>Client Sample ID:</b>	SWV2_EC001B_06		<b>Sample ID:</b>	S1		<b>Date Analyzed:</b>	12/09/2013	
<b>Client Sample Description:</b>	Area E, Subgrid 001					<b>Analyst:</b>	Karyn Patridge	
<b>Asbestos Mineral Fibers</b>	Layer							<b>Percent Asbestos:</b>
	Percent:	Chrysotile	Amosite	Crocidolite				
<b>Homogeneous</b>					<b>Point Count:</b>	0	<b>Point Count Fields:</b>	400
fine powder, brown	100 %	-	-	-				<b>NAD</b>
<b>Other Fibers</b>	Fibrous	Mineral						
	Glass	Wool	Synthetic	Other				Matrix
	-	Trace	-	-	-	-	-	100 %

This laboratory participates in the National Voluntary Laboratory Accreditation Program (NVLAP).  
Testing method is per 40 CFR 763 Subpart F, Appendix A, PLM.

Layered samples are considered non-homogeneous. "Misc" is miscellaneous. "NAD" is No Asbestos Detected.

Asbestos consists of the following minerals: chrysotile, amosite, crocidolite, tremolite, actinolite, anthophyllite.

Small diameter fibers such as those found in vinyl floor tiles, may not be detected by PLM.

Asbestos detection interferences may result from material binders.

Qualitative and quantitative TEM analysis may be recommended for difficult samples.

Quantitative analysis by PLM point count or TEM is recommended for samples testing at < or = to 1% asbestos.

The following estimate of error for this method by visual estimation of asbestos percent are as follows:

1% asbestos: 0-3% error, 5% asbestos: 1-9% error, 10% asbestos: 5-15% error, 20% asbestos: 10-30% error.

This report pertains only to the samples listed on the report. Report considered valid only when signed by analyst.

#### Reviewed by:



**Stephanie Golden**  
Analyst

**No: 6-120413-161407-0018**

Cooler #:

**Lab: Lab/Cor Portland**

**Lab Phone: 503-224-5055**

**No: 6-120413-161407-0018**

[illegible]

Special Instructions: Project Code: S101-19H

SAMPLES TRANSFERRED FROM	CHAIN OF CUSTODY #

[illegible]



# Lab/Cor Portland, Inc.

4321 SW Corbett Ave., Ste A  
Portland, OR 97239

## BULK SAMPLE ASBESTOS ANALYSIS

Asbestos and Environmental Analysis

Phone: (503) 224-5055  
Fax: (503) 228-8282  
http://www.labcorpdx.net

**Client:** Dynamac

**Report Number:** 132489R02

**Report Date:** 12/26/2013

**P.O. No:** n/a

**Job Number:** 132489

**Project Name:** SWV2\_RemovalAction-TX

**Project Number:** 6-120413-161407-0018

### Project Notes:

<b>Client Sample ID:</b>	SWV2_BSC_06		<b>Sample ID:</b>	S1		<b>Date Analyzed:</b>	12/10/2013	
<b>Client Sample Description:</b>	Area A, Grid B-South					<b>Analyst:</b>	Karyn Patridge	
<b>Asbestos Mineral Fibers</b>	Layer							<b>Percent Asbestos:</b>
	Percent:	Chrysotile	Amosite	Crocidolite				
<b>Homogeneous</b>					<b>Point Count: 0</b>	<b>Point Count Fields: 400</b>		
fine powder, brown	100 %	-	-	-				<b>NAD</b>
<b>Other Fibers</b>	Fibrous	Mineral						
	Glass	Cellulose	Wool	Synthetic	Other			Matrix
	-	Trace	-	-	-	-		100 %

This laboratory participates in the National Voluntary Laboratory Accreditation Program (NVLAP).  
Testing method is per 40 CFR 763 Subpart F, Appendix A, PLM.

Layered samples are considered non-homogeneous. "Misc" is miscellaneous. "NAD" is No Asbestos Detected.

Asbestos consists of the following minerals: chrysotile, amosite, crocidolite, tremolite, actinolite, anthophyllite.

Small diameter fibers such as those found in vinyl floor tiles, may not be detected by PLM.

Asbestos detection interferences may result from material binders.

Qualitative and quantitative TEM analysis may be recommended for difficult samples.

Quantitative analysis by PLM point count or TEM is recommended for samples testing at < or = to 1% asbestos.

The following estimate of error for this method by visual estimation of asbestos percent are as follows:

1% asbestos: 0-3% error, 5% asbestos: 1-9% error, 10% asbestos: 5-15% error, 20% asbestos: 10-30% error.

This report pertains only to the samples listed on the report. Report considered valid only when signed by analyst.

### Reviewed by:



**Stephanie Golden**

**Analyst**

No: 6-120913-164917-0020

Cooler #:

Lab: Lab/Cor Portland

Lab Phone: 503-224-5055

No: 6-120913-164917-0020

[illegible]

**SAMPLES TRANSFERRED FROM**

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
12	<i>[Signature]</i>	12/4/13	<i>[Signature]</i>	12/9/13	15:30						
			<i>[Signature]</i>	12/10/13	10:15am						

**Lab/Cor Portland, Inc.**4321 SW Corbett Ave., Ste A  
Portland, OR 97239**BULK SAMPLE ASBESTOS ANALYSIS**Phone: (503) 224-5055  
Fax: (503) 228-8282  
http://www.labcorpdx.net*Asbestos and Environmental Analysis***Client:** Dynamac  
1323 Columbia Drive, Suite 307  
Richardson, TX 75081**Report Number:** 132523R02**Report Date:** 12/27/2013**Job Number:** 132523**P.O. No:** n/a**Project Name:** SWV2\_RemovalAction-TX**Project Number:** 6-120913-164917-0020**Project Notes:**

<b>Client Sample ID:</b>	SWVSoil_WAR1W		<b>Sample ID:</b>	S1		<b>Date Analyzed:</b>	12/13/2013	
<b>Client Sample Description:</b>	Aux Warehouse-West					<b>Analyst:</b>	Stephanie Golden	
<b>Asbestos Mineral Fibers</b>	Layer						<b>Percent Asbestos:</b>	
	Percent:	Chrysotile	Amosite	Crocidolite				
<b>Homogeneous</b>						<b>Point Count: 0</b>	<b>Point Count Fields: 400</b>	
fine powder, dark brown	100 %	-	-	-				<b>NAD</b>
<b>Other Fibers</b>	Fibrous	Mineral						
	Glass	Cellulose	Wool	Synthetic	Other		Matrix	
	-	1.75 %	-	-	-	-	98.25 %	

<b>Client Sample ID:</b>	SWVSoil_WAR2E		<b>Sample ID:</b>	S2		<b>Date Analyzed:</b>	12/13/2013	
<b>Client Sample Description:</b>	Aux Warehouse-East					<b>Analyst:</b>	Stephanie Golden	
<b>Asbestos Mineral Fibers</b>	Layer						<b>Percent Asbestos:</b>	
	Percent:	Chrysotile	Amosite	Crocidolite				
<b>Homogeneous</b>						<b>Point Count: 0</b>	<b>Point Count Fields: 400</b>	
fine powder, dark brown	100 %	-	-	-				<b>NAD</b>
<b>Other Fibers</b>	Fibrous	Mineral						
	Glass	Cellulose	Wool	Synthetic	Other		Matrix	
	-	2.75 %	-	-	-	-	97.25 %	

This laboratory participates in the National Voluntary Laboratory Accreditation Program (NVLAP).  
Testing method is per 40 CFR 763 Subpart F, Appendix A, PLM.

Layered samples are considered non-homogeneous. "Misc" is miscellaneous. "NAD" is No Asbestos Detected.

Asbestos consists of the following minerals: chrysotile, amosite, crocidolite, tremolite, actinolite, anthophyllite.

Small diameter fibers such as those found in vinyl floor tiles, may not be detected by PLM.

Asbestos detection interferences may result from material binders.

Qualitative and quantitative TEM analysis may be recommended for difficult samples.

Quantitative analysis by PLM point count or TEM is recommended for samples testing at < or = to 1% asbestos.

The following estimate of error for this method by visual estimation of asbestos percent are as follows:

1% asbestos: 0-3% error, 5% asbestos: 1-9% error, 10% asbestos: 5-15% error, 20% asbestos: 10-30% error.

This report pertains only to the samples listed on the report. Report considered valid only when signed by analyst.

**Reviewed by:**

*Stephanie Golden*  
X

**Stephanie Golden****Analyst**

DateShipped: 12/10/2013  
CarrierName: FedEx  
AirbillNo: 797361381449

### CHAIN OF CUSTODY RECORD

SWV2\_RemovalAction/TX  
Contact Name: John Koehnen  
Contact Phone: 909-331-5102

**No: 6-121013-170110-0022**

Cooler #:  
Lab: Lab/Cor Portland  
Lab Phone: 503-224-5055

Soil 132542

[illegible]

**Special Instructions: Project Code: S101-19H**

SAMPLES TRANSFERRED FROM	CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
C	[Signature]	12/19/13	[Signature]	12/19/13	12:30						
			Jessie	12/11/13	11:45 am						



**Client:** Dynamac  
1323 Columbia Drive, Suite 307  
Richardson, TX 75081

**Report Number:** 132542R02

**Report Date:** 12/27/2013

**Job Number:** 132542

**P.O. No:** n/a

**Project Name:** SWV2\_RemovalAction-TX

**Project Number:** 6-121013-170110-0022

**Project Notes:**

<b>Client Sample ID:</b> SWV2_A001C_06		<b>Sample ID:</b> S1			<b>Date Analyzed:</b> 12/16/2013	
<b>Client Sample Description:</b> Area A, Grid 001		<b>Analyst:</b> Karyn Patridge				
<b>Asbestos Mineral Fibers</b>		Layer				<b>Percent Asbestos:</b>
	Percent:	Chrysotile	Amosite	Crocidolite		
<b>Homogeneous</b>					<b>Point Count: 12</b>	<b>Point Count Fields: 400</b>
fine powder, brown	100 %	-	-	-	Libby 3 %	3 %
					Amphibole-	
<b>Other Fibers</b>	Fibrous	Mineral				
	Glass	Cellulose	Wool	Synthetic	Other	Matrix
	-	-	-	-	-	97 %

This laboratory participates in the National Voluntary Laboratory Accreditation Program (NVLAP).  
Testing method is per 40 CFR 763 Subpart F, Appendix A, PLM.

Layered samples are considered non-homogeneous. "Misc" is miscellaneous. "NAD" is No Asbestos Detected.

Asbestos consists of the following minerals: chrysotile, amosite, crocidolite, tremolite, actinolite, anthophyllite.

Small diameter fibers such as those found in vinyl floor tiles, may not be detected by PLM.

Asbestos detection interferences may result from material binders.

Qualitative and quantitative TEM analysis may be recommended for difficult samples.

Quantitative analysis by PLM point count or TEM is recommended for samples testing at < or = to 1% asbestos.

The following estimate of error for this method by visual estimation of asbestos percent are as follows:

1% asbestos: 0-3% error, 5% asbestos: 1-9% error, 10% asbestos: 5-15% error, 20% asbestos: 10-30% error.

This report pertains only to the samples listed on the report. Report considered valid only when signed by analyst.

**Reviewed by:**

*Stephanie Golden*

**Stephanie Golden**  
**Analyst**

## CHAIN OF CUSTODY RECORD

SWV2 RemovalAction/TX

**Contact Name:** John Koehn

**Contact Phone: 909-331-5102**

**No: 6-121113-164316-0023**

Cooler #:

Lab: Lab/Cor Portland

Lab Phone: 503-224-5055

[illegible]

Special Instructions: Project Code: S101-19H

# SAMPLES TRANSFERRED FROM

**CHAIN OF CUSTODY #**

[illegible]

**Client:** Dynamac  
1323 Columbia Drive, Suite 307  
Richardson, TX 75081

**Report Number:** 132561R02  
**Report Date:** 12/27/2013

**P.O. No:** n/a

**Job Number:** 132561  
**Project Name:** SWV2\_RemovalAction-TX  
**Project Number:** 6-121113-164316-0023  
**Project Notes:**

<b>Client Sample ID:</b> SWV2_A003C_06		<b>Sample ID:</b> S1		<b>Date Analyzed:</b> 12/17/2013	
<b>Client Sample Description:</b> Area A, Grid 003				<b>Analyst:</b> Karyn Patridge	
<b>Asbestos Mineral Fibers</b>				<b>Percent Asbestos:</b>	
Layer					
Percent:		Chrysotile	Amosite	Crocidolite	
<b>Homogeneous</b>				<b>Point Count: 5</b>	<b>Point Count Fields: 400</b>
fine powder, brown		100 %	-	-	Libby 1.25 %
				Amphibole-	1.25 %
<b>Other Fibers</b>		Fibrous	Mineral		
		Glass	Wool	Synthetic	Other
		Cellulose			
		-	-	-	-
					Matrix
					98.75 %

This laboratory participates in the National Voluntary Laboratory Accreditation Program (NVLAP).  
Testing method is per 40 CFR 763 Subpart F, Appendix A, PLM.

Layered samples are considered non-homogeneous. "Misc" is miscellaneous. "NAD" is No Asbestos Detected.  
Asbestos consists of the following minerals: chrysotile, amosite, crocidolite, tremolite, actinolite, anthophyllite.  
Small diameter fibers such as those found in vinyl floor tiles, may not be detected by PLM.  
Asbestos detection interferences may result from material binders.  
Qualitative and quantitative TEM analysis may be recommended for difficult samples.  
Quantitative analysis by PLM point count or TEM is recommended for samples testing at < or = to 1% asbestos.  
The following estimate of error for this method by visual estimation of asbestos percent are as follows:  
1% asbestos: 0-3% error, 5% asbestos: 1-9% error, 10% asbestos: 5-15% error, 20% asbestos: 10-30% error.  
This report pertains only to the samples listed on the report. Report considered valid only when signed by analyst.

**Reviewed by:**

*Stephanie Golden*  
X

**Stephanie Golden**  
**Analyst**

**No: 6-121313-163623-0026**

Cooler #: 1

Lab: Lab/Cor Portland  
Lab Phone: 503-224-5055

[illegible]

**Special instructions:**

**SAMPLES TRANSFERRED FROM**

CHAIN OF CUSTODY #

[illegible]

**Client:** Dynamac  
1323 Columbia Drive, Suite 307  
Richardson, TX 75081

**Report Number:** 132574R02

**Report Date:** 12/27/2013

**Job Number:** 132574

**P.O. No:** n/a

**Project Name:** SWV2\_RemovalAction-TX

**Project Number:** 6-121313-163623-0026

**Project Notes:**

<b>Client Sample ID:</b>	SWV2_EA1_1218			<b>Sample ID:</b>	S1		<b>Date Analyzed:</b>	12/17/2013	
<b>Client Sample Description:</b>	Area A, Grid E			<b>Analyst:</b>	Karyn Patridge				
<b>Asbestos Mineral Fibers</b>	Layer								<b>Percent Asbestos:</b>
	Percent:	Chrysotile	Amosite	Crocidolite					
<b>Homogeneous</b>					<b>Point Count:</b>	0	<b>Point Count Fields:</b>	400	
fine powder, brown	100 %	-	-	-					<b>NAD</b>
<b>Other Fibers</b>	Fibrous	Mineral							
	Glass	Cellulose	Wool	Synthetic	Other				Matrix
	-	Trace	-	-	-	-	-	-	100 %

This laboratory participates in the National Voluntary Laboratory Accreditation Program (NVLAP).  
Testing method is per 40 CFR 763 Subpart F, Appendix A, PLM.

Layered samples are considered non-homogeneous. "Misc" is miscellaneous. "NAD" is No Asbestos Detected.

Asbestos consists of the following minerals: chrysotile, amosite, crocidolite, tremolite, actinolite, anthophyllite.

Small diameter fibers such as those found in vinyl floor tiles, may not be detected by PLM.

Asbestos detection interferences may result from material binders.

Qualitative and quantitative TEM analysis may be recommended for difficult samples.

Quantitative analysis by PLM point count or TEM is recommended for samples testing at < or = to 1% asbestos.

The following estimate of error for this method by visual estimation of asbestos percent are as follows:

1% asbestos: 0-3% error, 5% asbestos: 1-9% error, 10% asbestos: 5-15% error, 20% asbestos: 10-30% error.

This report pertains only to the samples listed on the report. Report considered valid only when signed by analyst.

**Reviewed by:**

*Stephanie Golden*

**Stephanie Golden**  
Analyst

SWV2\_RemovalAction/TX

**Contact Name:** John Koehnen

**Contact Phone: 909-331-5102**

Lab: Lab/Cor Portland

**Lab Phone: 503-224-5055**

Special Instructions: Project Code: S101-19H	SAMPLES TRANSFERRED FROM
	CHAIN OF CUSTODY #

[illegible]

**Client:** Dynamac  
1323 Columbia Drive, Suite 307  
Richardson, TX 75081

**Report Number:** 132588R02

**Report Date:** 12/27/2013

**Job Number:** 132588

**P.O. No:** n/a

**Project Name:** SWV2\_RemovalAction-TX

**Project Number:** 6-121613-164536-0027

**Project Notes:**

<b>Client Sample ID:</b> SWV2_A002C_06	<b>Sample ID:</b> S1	<b>Date Analyzed:</b> 12/19/2013
<b>Client Sample Description:</b> Area A, Grid 002	<b>Analyst:</b> Ryan Brown	
<b>Asbestos Mineral Fibers</b>		<b>Percent Asbestos:</b>
Layer		
Percent: Chrysotile Amosite Crocidolite		
<b>Homogeneous</b>	<b>Point Count: 2</b>	<b>Point Count Fields: 400</b>
Loose particulate, brown 100 % Trace - -	Libby 0.5 %	0.5 %
	Amphibole-	
<b>Other Fibers</b>		
Fibrous Glass Cellulose Mineral Wool Synthetic Other		Matrix
- - - - -	-	99.5 %

<b>Client Sample ID:</b> SWV2_ANWC_06	<b>Sample ID:</b> S2	<b>Date Analyzed:</b> 12/19/2013
<b>Client Sample Description:</b> Area A, NW Subgrid A	<b>Analyst:</b> Ryan Brown	
<b>Asbestos Mineral Fibers</b>		<b>Percent Asbestos:</b>
Layer		
Percent: Chrysotile Amosite Crocidolite		
<b>Homogeneous</b>	<b>Point Count: 0</b>	<b>Point Count Fields: 400</b>
loose particulate, brown 100 % - - -		NAD
<b>Other Fibers</b>		
Fibrous Glass Cellulose Mineral Wool Synthetic Other		Matrix
- Trace - - -	-	100 %

This laboratory participates in the National Voluntary Laboratory Accreditation Program (NVLAP).  
Testing method is per 40 CFR 763 Subpart F, Appendix A, PLM.

Layered samples are considered non-homogeneous. "Misc" is miscellaneous. "NAD" is No Asbestos Detected.  
Asbestos consists of the following minerals: chrysotile, amosite, crocidolite, tremolite, actinolite, anthophyllite.  
Small diameter fibers such as those found in vinyl floor tiles, may not be detected by PLM.  
Asbestos detection interferences may result from material binders.  
Qualitative and quantitative TEM analysis may be recommended for difficult samples.  
Quantitative analysis by PLM point count or TEM is recommended for samples testing at < or = to 1% asbestos.  
The following estimate of error for this method by visual estimation of asbestos percent are as follows:  
1% asbestos: 0-3% error, 5% asbestos: 1-9% error, 10% asbestos: 5-15% error, 20% asbestos: 10-30% error.  
This report pertains only to the samples listed on the report. Report considered valid only when signed by analyst.

**Reviewed by:**

*Stephanie Golden*  
X

**Stephanie Golden**  
**Analyst**

## CHAIN OF CUSTODY RECORD

**No: 6-121713-163316-0028**

SWV2 RemovalAction/TX

Cooler #:

**Contact Name:** John Koehnen

**Lab: Lab/Cor Portland**

Special Instructions: Project Code: S101-19H	SAMPLES TRANSFERRED FROM
	CHAIN OF CUSTODY #

[illegible]



**Client:** Dynamac  
1323 Columbia Drive, Suite 307  
Richardson, TX 75081

**Report Number:** 132608R02

**Report Date:** 12/27/2013

**Job Number:** 132608

**P.O. No:** n/a

**Project Name:** SWV2\_RemovalAction-TX

**Project Number:** 6-121713-163316-0028

**Project Notes:**

<b>Client Sample ID:</b> SWV2_A019C_06		<b>Sample ID:</b> S1		<b>Date Analyzed:</b> 12/23/2013	
<b>Client Sample Description:</b> Area A, Grid 019				<b>Analyst:</b> Ryan Brown	
<b>Asbestos Mineral Fibers</b>				<b>Percent Asbestos:</b>	
Layer					
Percent:		Chrysotile	Amosite	Crocidolite	
<b>Homogeneous</b>				<b>Point Count: 17</b>	<b>Point Count Fields: 400</b>
loose particulate, brown		100 %	-	-	Libby 4.25 %
				Amphibole-	4.25 %
<b>Other Fibers</b>		Fibrous	Mineral		
		Glass	Wool	Synthetic	Other
		Cellulose			Matrix
		-	-	-	95.75 %

This laboratory participates in the National Voluntary Laboratory Accreditation Program (NVLAP).  
Testing method is per 40 CFR 763 Subpart F, Appendix A, PLM.

Layered samples are considered non-homogeneous. "Misc" is miscellaneous. "NAD" is No Asbestos Detected.

Asbestos consists of the following minerals: chrysotile, amosite, crocidolite, tremolite, actinolite, anthophyllite.

Small diameter fibers such as those found in vinyl floor tiles, may not be detected by PLM.

Asbestos detection interferences may result from material binders.

Qualitative and quantitative TEM analysis may be recommended for difficult samples.

Quantitative analysis by PLM point count or TEM is recommended for samples testing at < or = to 1% asbestos.

The following estimate of error for this method by visual estimation of asbestos percent are as follows:

1% asbestos: 0-3% error, 5% asbestos: 1-9% error, 10% asbestos: 5-15% error, 20% asbestos: 10-30% error.

This report pertains only to the samples listed on the report. Report considered valid only when signed by analyst.

**Reviewed by:**

*Stephanie Golden*

**Stephanie Golden**  
**Analyst**

## USEPA

DateShipped: 1/20/2014

CarrierName: FedEx

AirbillNo: 797670589840

## CHAIN OF CUSTODY RECORD

SWV2\_RemovalAction/TX

Contact Name: John Koehnen

Contact Phone: 909-331-5102

No: 6-012014-171704-0042

Cooler #:

Lab: Lab/Cor Portland

Lab Phone: 503-224-5055

PCM 140135 Soil 140136

Lab #	Sample #	Location	Analyses	Matrix	Collected	Numb Cont	Container	Preservative	MS/MSD
	CW01_011814	01	Asbestos PCM	Air	1/18/2014	1	PCM Cassette		
	CW06_011914	06	Asbestos PCM	Air	1/19/2014	1	PCM Cassette		
	CW06_012014	06	Asbestos PCM	Air	1/20/2014	1	PCM Cassette		
	DW01_011914	01	Asbestos PCM	Air	1/19/2014	1	PCM Cassette		
	DW04_011914	04	Asbestos PCM	Air	1/19/2014	1	PCM Cassette		
	FB01_011814	FB	Asbestos PCM	Air	1/18/2014	1	PCM Cassette		
	FB01_011914	FB	Asbestos PCM	Air	1/19/2014	1	PCM Cassette		
	SWV2_DEC_06	Area A, Grd D-East	Asbestos Soil (Libby)	Soil	1/19/2014	1	Baggie	None	N
	SWV2_DMC_06	Area A, Grd D-Middle Section	Asbestos Soil (Libby)	Soil	1/19/2014	1	Baggie	None	N
	UW01_012014	01	Asbestos PCM	Air	1/20/2014	1	PCM Cassette		
	UW04_011814	04	Asbestos PCM	Air	1/18/2014	1	PCM Cassette		
	UW04_012014	04	Asbestos PCM	Air	1/20/2014	1	PCM Cassette		
	UW06_011814	06	Asbestos PCM	Air	1/18/2014	1	PCM Cassette		

Special Instructions: Project Code: S101-19-H

Air Samples: 24hrs TAT

Soil Samples: 48-72 hrs TAT

## SAMPLES TRANSFERRED FROM

## CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
14	[Signature]	1/20/14	FedEx	1/20/14	1:38		FedEx		Andrew	1/21	8:50



# Lab/Cor Portland, Inc.

4321 SW Corbett Ave., Ste A  
Portland, OR 97239

## BULK SAMPLE ASBESTOS ANALYSIS

### Asbestos and Environmental Analysis

Phone: (503) 224-5055  
Fax: (503) 228-8282  
<http://www.labcorpdx.net>

**Client:** Dynamac  
1323 Columbia Drive, Suite 307  
Richardson, TX 75081

**Report Number:** 140136R02

**Report Date:** 02/11/2014

**Job Number:** 140136

**P.O. No:** n/a

**Project Name:** SWV2\_RemovalAction-TX

**Project Number:** 6-012014-171704-0042

#### Project Notes:

<b>Client Sample ID:</b>	SWV2_DEC_06			<b>Sample ID:</b>	S1		<b>Date Analyzed:</b>	01/23/2014	
<b>Client Sample Description:</b>	Area A, Grid D-East					<b>Analyst:</b>	Ryan Brown		
<b><u>Asbestos Mineral Fibers</u></b>	Layer					<b>Percent Asbestos:</b>			
	Percent:	Chrysotile	Amosite	Crocidolite					
<b>Homogeneous</b>						<b>Point Count:</b>	0	<b>Point Count Fields:</b>	400
fine powder, brown	100 %	-	-	-					
						<b>NAD</b>			
<b><u>Other Fibers</u></b>	Fibrous	Mineral							
	Glass	Cellulose	Wool	Synthetic	Other	Matrix			
	Trace	Trace	-	-	Talc	Trace	-	100 %	

<b>Client Sample ID:</b>	SWV2_DMC_06		<b>Sample ID:</b> S2		<b>Date Analyzed:</b> 01/23/2014	
<b>Client Sample Description:</b>	Area A, Grid D-Middle Section				<b>Analyst:</b> Ryan Brown	
<b>Asbestos Mineral Fibers</b>	Layer					<b>Percent Asbestos:</b>
	Percent:	Chrysotile	Amosite	Crocidolite		
<b>Homogeneous</b>					<b>Point Count: 0</b>	<b>Point Count Fields: 400</b>
fine powder, brown	100 %	-	-	-	<b>NAD</b>	
<b>Other Fibers</b>	Fibrous	Mineral				
	Glass	Cellulose	Wool	Synthetic	Other	Matrix
	-	0.5 %	-	-	-	99.5 %

This laboratory participates in the National Voluntary Laboratory Accreditation Program (NVLAP).  
Testing method is per 40 CFR 763 Subpart F, Appendix A, PLM.

Layered samples are considered non-homogeneous. "Misc" is miscellaneous. "NAD" is No Asbestos Detected.

Asbestos consists of the following minerals: chrysotile, amosite, crocidolite, tremolite, actinolite, anthophyllite.

Small diameter fibers such as those found in vinyl floor tiles, may not be detected by PLM.

Asbestos detection interferences may result from material binders.

Qualitative and quantitative TEM analysis may be recommended for difficult samples.

Quantitative analysis by PLM point count or TEM is recommended for samples testing at < or = to 1% asbestos.

The following estimate of error for this method by visual estimation of asbestos percent are as follows:

1% asbestos: 0-3% error, 5% asbestos: 1-9% error, 10% asbestos: 5-15% error, 20% asbestos: 10-30% error.

This report pertains only to the samples listed on the report. Report considered valid only when signed by analyst.

#### Reviewed by:



**Stephanie Golden**  
Technical Manager

**No: 6-012814-170747-0048**

Cooler #:  
Lab: Lab/Cor Portland  
Lab Phone: 503-224-5055

[illegible]

Special Instructions: Project Code: S101-19H

Air samples: 24 hrs TAT

**Soil samples: 72 hrs TAT**

**SAMPLES TRANSFERRED FROM**

CHAIN OF CUSTODY #

[illegible]

**Client:** Dynamac  
1323 Columbia Drive, Suite 307  
Richardson, TX 75081

**Report Number:** 140208R02

**Report Date:** 02/11/2014

**Job Number:** 140208

**P.O. No:** n/a

**Project Name:** SWV2\_RemovalAction-TX

**Project Number:** 6-012814-170747-0048

**Project Notes:**

<b>Client Sample ID:</b>	SWV2_AMC_06		<b>Sample ID:</b>	S1		<b>Date Analyzed:</b>	01/31/2014	
<b>Client Sample Description:</b>	Area A, Grid A-Middle					<b>Analyst:</b>	Ryan Brown	
<b>Asbestos Mineral Fibers</b>	Layer							<b>Percent Asbestos:</b>
	Percent:	Chrysotile	Amosite	Crocidolite				
<b>Homogeneous</b>					<b>Point Count:</b>	0	<b>Point Count Fields:</b>	400
fine powder, brown	100 %	-	-	-				<b>NAD</b>
<b>Other Fibers</b>	Fibrous	Mineral						
	Glass	Cellulose	Wool	Synthetic	Other		Matrix	
	0.75 %	1 %	-	-	Talc	Trace	-	98.25 %

<b>Client Sample ID:</b>	SWV2_AMDC_06		<b>Sample ID:</b>	S2		<b>Date Analyzed:</b>	01/31/2014	
<b>Client Sample Description:</b>	Area A, Grid A-Middle					<b>Analyst:</b>	Ryan Brown	
<b>Asbestos Mineral Fibers</b>	Layer							<b>Percent Asbestos:</b>
	Percent:	Chrysotile	Amosite	Crocidolite				
<b>Homogeneous</b>					<b>Point Count:</b>	0	<b>Point Count Fields:</b>	400
fine powder, brown	100 %	-	-	-			Libby Trace Amphibole-	<b>&lt; 0.25 %</b>
<b>Other Fibers</b>	Fibrous	Mineral						
	Glass	Cellulose	Wool	Synthetic	Other		Matrix	
	Trace	0.75 %	-	-	-	-	99.25 %	

This laboratory participates in the National Voluntary Laboratory Accreditation Program (NVLAP).  
Testing method is per 40 CFR 763 Subpart F, Appendix A, PLM.

Layered samples are considered non-homogeneous. "Misc" is miscellaneous. "NAD" is No Asbestos Detected.

Asbestos consists of the following minerals: chrysotile, amosite, crocidolite, tremolite, actinolite, anthophyllite.

Small diameter fibers such as those found in vinyl floor tiles, may not be detected by PLM.

Asbestos detection interferences may result from material binders.

Qualitative and quantitative TEM analysis may be recommended for difficult samples.

Quantitative analysis by PLM point count or TEM is recommended for samples testing at < or = to 1% asbestos.

The following estimate of error for this method by visual estimation of asbestos percent are as follows:

1% asbestos: 0-3% error, 5% asbestos: 1-9% error, 10% asbestos: 5-15% error, 20% asbestos: 10-30% error.

This report pertains only to the samples listed on the report. Report considered valid only when signed by analyst.

**Reviewed by:**

*Stephanie Golden*

**Stephanie Golden**  
**Technical Manager**

USEPA

DateShipped: 1/27/2014  
CarrierName: FedEx  
AirbillNo: 797731325697

### CHAIN OF CUSTODY RECORD

**SWV2\_RemovalAction/TX**  
**Contact Name:** John Koehn  
**Contact Phone:** 909-331-5102

**No: 6-012714-165506-0047**

Cooler #:  
Lab: Lab/Cor Portland  
Lab Phone: 503-224-5055

Lab #	Sample #	Location	Analyses	Matrix	Collected	Numb Cont	Container	Preservative	MS/MSD
	CW01_012714	01	Asbestos PCM	Air	1/27/2014	1	PCM Cassette		
	CW06_012614	06	Asbestos PCM	Air	1/26/2014	1	PCM Cassette		
	CW06_012614	06	Asbestos PCM	Air	1/26/2014	1	PCM Cassette		
	FB01_012514	FB	Asbestos PCM	Air	1/25/2014	1	PCM Cassette		
	FB01_012614	FB	Asbestos PCM	Air	1/26/2014	1	PCM Cassette		
	FB01_012714	FB	Asbestos PCM	Air	1/27/2014	1	PCM Cassette		
	SWV2_ANC_06	Area A, Grid A-North	Asbestos Soil (Libby)	Soil	1/26/2014	1	Baggie	None	N
	SWV2_CNC_06	Area A, Grid C-North	Asbestos Soil (Libby)	Soil	1/26/2014	1	Baggie	None	N
	SWV2_CNWC_06	Area A, Grid C-Northwest	Asbestos Soil (Libby)	Soil	1/26/2014	1	Baggie	None	N
	UW01_012514	01	Asbestos PCM	Air	1/25/2014	1	PCM Cassette		
	UW04_012514	04	Asbestos PCM	Air	1/25/2014	1	PCM Cassette		
	UW04_012614	04	Asbestos PCM	Air	1/26/2014	1	PCM Cassette		
	UW04_012714	04	Asbestos PCM	Air	1/27/2014	1	PCM Cassette		
	UW05_012514	05	Asbestos PCM	Air	1/25/2014	1	PCM Cassette		
	UW05_012614	05	Asbestos PCM	Air	1/26/2014	1	PCM Cassette		
	UW06_012714	06	Asbestos PCM	Air	1/27/2014	1	PCM Cassette		

Special Instructions: Project Code: S101-19H  
Air Samples: 24 hrs TAT  
Soil Samples: 72 hrs TAT

**SAMPLES TRANSFERRED FROM**

## CHAIN OF CUSTODY #

[illegible]

**Client:** Dynamac  
1323 Columbia Drive, Suite 307  
Richardson, TX 75081

**Report Number:** 140199R02

**Report Date:** 02/11/2014

**Job Number:** 140199

**P.O. No:** n/a

**Project Name:** SWV2\_RemovalAction-TX

**Project Number:** 6-012714-165506-0047

**Project Notes:**

<b>Client Sample ID:</b>	SWV2_ANC_06		<b>Sample ID:</b>	S1		<b>Date Analyzed:</b>	01/30/2014	
<b>Client Sample Description:</b>	Area A, Grid A-North					<b>Analyst:</b>	Ryan Brown	
<b>Asbestos Mineral Fibers</b>	Layer							<b>Percent Asbestos:</b>
	Percent:	Chrysotile	Amosite	Crocidolite				
<b>Homogeneous</b>					<b>Point Count:</b>	0	<b>Point Count Fields:</b>	400
fine powder, brown	100 %	-	-	-				<b>NAD</b>
<b>Other Fibers</b>	Fibrous	Mineral						
	Glass	Cellulose	Wool	Synthetic	Other		Matrix	
	-	0.25 %	-	-	Wollastonite	Trace	-	99.75 %

<b>Client Sample ID:</b>	SWV2_CNC_06		<b>Sample ID:</b>	S2		<b>Date Analyzed:</b>	01/30/2014	
<b>Client Sample Description:</b>	Area A, Grid C-North					<b>Analyst:</b>	Ryan Brown	
<b>Asbestos Mineral Fibers</b>	Layer							<b>Percent Asbestos:</b>
	Percent:	Chrysotile	Amosite	Crocidolite				
<b>Homogeneous</b>					<b>Point Count:</b>	0	<b>Point Count Fields:</b>	400
fine powder, brown	100 %	-	-	-				<b>NAD</b>
<b>Other Fibers</b>	Fibrous	Mineral						
	Glass	Cellulose	Wool	Synthetic	Other		Matrix	
	-	Trace	-	-	-	-	-	100 %

<b>Client Sample ID:</b>	SWV2_CNWC_06		<b>Sample ID:</b>	S3		<b>Date Analyzed:</b>	01/30/2014	
<b>Client Sample Description:</b>	Area A, Grid C-Northwest					<b>Analyst:</b>	Ryan Brown	
<b>Asbestos Mineral Fibers</b>	Layer							<b>Percent Asbestos:</b>
	Percent:	Chrysotile	Amosite	Crocidolite				
<b>Homogeneous</b>					<b>Point Count:</b>	0	<b>Point Count Fields:</b>	400
fine powder, brown	100 %	-	-	-				<b>NAD</b>
<b>Other Fibers</b>	Fibrous	Mineral						
	Glass	Cellulose	Wool	Synthetic	Other		Matrix	
	-	Trace	-	-	-	-	-	100 %

**Job Number: 140199**

**Report Number: 140199R02**

**Report Date: 02/11/2014**

This laboratory participates in the National Voluntary Laboratory Accreditation Program (NVLAP).  
Testing method is per 40 CFR 763 Subpart F, Appendix A, PLM.

Layered samples are considered non-homogeneous. "Misc" is miscellaneous. "NAD" is No Asbestos Detected.

Asbestos consists of the following minerals: chrysotile, amosite, crocidolite, tremolite, actinolite, anthophyllite.

Small diameter fibers such as those found in vinyl floor tiles, may not be detected by PLM.

Asbestos detection interferences may result from material binders.

Qualitative and quantitative TEM analysis may be recommended for difficult samples.

Quantitative analysis by PLM point count or TEM is recommended for samples testing at < or = to 1% asbestos.

The following estimate of error for this method by visual estimation of asbestos percent are as follows:

1% asbestos: 0-3% error, 5% asbestos: 1-9% error, 10% asbestos: 5-15% error, 20% asbestos: 10-30% error.

This report pertains only to the samples listed on the report. Report considered valid only when signed by analyst.

**Reviewed by:**

*Stephanie Golden*  
X

**Stephanie Golden**

**Technical Manager**



No: 6-0112414-171023-0046

Cooler #:

Lab: Lab/Cor Portland

**Lab Phone: 503-224-5055**

[illegible]**SAMPLES TRANSFERRED FROM**

CHAIN OF CUSTODY #

Soil sample: 72 hrs TAT

[illegible]

**Client:** Dynamac  
1323 Columbia Drive, Suite 307  
Richardson, TX 75081

**Report Number:** 140187R02

**Report Date:** 02/11/2014

**Job Number:** 140187

**P.O. No:** n/a

**Project Name:** SWV2\_RemovalAction-TX

**Project Number:** 6-012414-171023-0046

**Project Notes:**

<b>Client Sample ID:</b>	SWV2_CSC_06		<b>Sample ID:</b> S1		<b>Date Analyzed:</b> 01/29/2014	
<b>Client Sample Description:</b>	Area A, Grid C-South				<b>Analyst:</b> Ryan Brown	
<b><u>Asbestos Mineral Fibers</u></b>	Layer					<b>Percent Asbestos:</b>
	Percent:	Chrysotile	Amosite	Crocidolite		
<b>Homogeneous</b>					<b>Point Count: 2</b>	<b>Point Count Fields: 400</b>
fine powder, brown	100 %	-	-	-	Libby 0.5 %	0.5 %
					Amphibole-	
<b><u>Other Fibers</u></b>	Fibrous	Mineral				
	Glass	Wool	Synthetic	Other		Matrix
	-	Trace	-	-	-	99.5 %

This laboratory participates in the National Voluntary Laboratory Accreditation Program (NVLAP).  
Testing method is per 40 CFR 763 Subpart F, Appendix A, PLM.

Layered samples are considered non-homogeneous. "Misc" is miscellaneous. "NAD" is No Asbestos Detected.

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Small diameter fibers such as those found in vinyl floor tiles, may not be detected by PLM.

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1% asbestos: 0-3% error, 5% asbestos: 1-9% error, 10% asbestos: 5-15% error, 20% asbestos: 10-30% error.

This report pertains only to the samples listed on the report. Report considered valid only when signed by analyst.

**Reviewed by:**

*Stephanie Golden*

**Stephanie Golden**  
**Technical Manager**

DateShipped: 1/16/2014  
CarrierName: FedEx  
AirbillNo: 7976570698868

## CHAIN OF CUSTODY RECORD

SWV2\_RemovalAction/TX  
Contact Name: John Koehnen  
Contact Phone: 909-331-5102

TEM 140114 PUM 140115 soil 140116  
BODY RECORD No: 6-011614-161903-0040

**No: 6-011614-161903-0040**

Cooler #:  
Lab: Lab/Cor Portland  
Lab Phone: 503-224-5055

[illegible]

Special Instructions: Project Code: S101-19H

Note: Air Sample EP01\_011614 Analysis = Asbestos TEM (NIOSH 7402)

## SAMPLES TRANSFERRED FROM

**CHAIN OF CUSTODY #**

[illegible]

**Lab/Cor Portland, Inc.**4321 SW Corbett Ave., Ste A  
Portland, OR 97239**BULK SAMPLE ASBESTOS ANALYSIS***Asbestos and Environmental Analysis*Phone: (503) 224-5055  
Fax: (503) 228-8282  
<http://www.labcorpdx.net>**Client:** Dynamac  
1323 Columbia Drive, Suite 307  
Richardson, TX 75081**Report Number:** 140116R02**Report Date:** 02/11/2014**Job Number:** 140116**P.O. No:** n/a**Project Name:** SWV2\_RemovalAction-TX**Project Number:** 6-011614-161903-0040**Project Notes:**

<b>Client Sample ID:</b>	SWV2_CSWC_06		<b>Sample ID:</b>	S1		<b>Date Analyzed:</b>	01/20/2014	
<b>Client Sample Description:</b>	Area A, Grid C-Southwest					<b>Analyst:</b>	Ryan Brown	
<b>Asbestos Mineral Fibers</b>	Layer						<b>Percent Asbestos:</b>	
	Percent:	Chrysotile	Amosite	Crocidolite				
<b>Homogeneous</b>						<b>Point Count:</b>	<b>Point Count Fields:</b>	
fine powder, brown	100 %	-	-	-		0	400	
								<b>NAD</b>
<b>Other Fibers</b>	Fibrous	Mineral						
	Glass	Wool	Synthetic	Other			Matrix	
	-	Trace	-	-	-	-	100 %	

<b>Client Sample ID:</b>	SWV2_DWC_06		<b>Sample ID:</b>	S2		<b>Date Analyzed:</b>	01/20/2014	
<b>Client Sample Description:</b>	Area A, Grid D-West					<b>Analyst:</b>	Ryan Brown	
<b>Asbestos Mineral Fibers</b>	Layer						<b>Percent Asbestos:</b>	
	Percent:	Chrysotile	Amosite	Crocidolite				
<b>Homogeneous</b>						<b>Point Count:</b>	<b>Point Count Fields:</b>	
fine powder, brown	100 %	-	-	-		0	400	
								<b>NAD</b>
<b>Other Fibers</b>	Fibrous	Mineral						
	Glass	Wool	Synthetic	Other			Matrix	
	-	0.75 %	-	-	-	-	99.25 %	

This laboratory participates in the National Voluntary Laboratory Accreditation Program (NVLAP).  
Testing method is per 40 CFR 763 Subpart F, Appendix A, PLM.

Layered samples are considered non-homogeneous. "Misc" is miscellaneous. "NAD" is No Asbestos Detected.

Asbestos consists of the following minerals: chrysotile, amosite, crocidolite, tremolite, actinolite, anthophyllite.

Small diameter fibers such as those found in vinyl floor tiles, may not be detected by PLM.

Asbestos detection interferences may result from material binders.

Qualitative and quantitative TEM analysis may be recommended for difficult samples.

Quantitative analysis by PLM point count or TEM is recommended for samples testing at < or = to 1% asbestos.

The following estimate of error for this method by visual estimation of asbestos percent are as follows:

1% asbestos: 0-3% error, 5% asbestos: 1-9% error, 10% asbestos: 5-15% error, 20% asbestos: 10-30% error.

This report pertains only to the samples listed on the report. Report considered valid only when signed by analyst.

**Reviewed by:**

*Stephanie Golden*  
X

**Stephanie Golden**  
**Technical Manager**

**No: 6-010814-170110-0034**

Cooler #: 1

Lab: Lab/Cor Portland

**Lab Phone: 503-224-5055**

[illegible]

SAMPLES TRANSFERRED FROM	CHAIN OF CUSTODY #

[illegible]

**Client:** Dynamac  
1323 Columbia Drive, Suite 307  
Richardson, TX 75081

**Report Number:** 140048R02

**Report Date:** 01/29/2014

**Job Number:** 140048

**P.O. No:** n/a

**Project Name:** SWV2\_RemovalAction-TX

**Project Number:** 6-010814-170110-0034

**Project Notes:**

<b>Client Sample ID:</b> SWV2_B014C_06			<b>Sample ID:</b> S1			<b>Date Analyzed:</b> 01/14/2014	
<b>Client Sample Description:</b> Area B, Grid 014						<b>Analyst:</b> Ryan Brown	
<b>Asbestos Mineral Fibers</b>			Layer			<b>Percent Asbestos:</b>	
			Percent:	Chrysotile	Amosite	Crocidolite	
<b>Homogeneous</b>						<b>Point Count: 5</b>	<b>Point Count Fields: 400</b>
fine powder, brown			100 %	Trace	-	-	Libby 1.25 % Amphibole-
<b>Other Fibers</b>			Fibrous	Mineral			
			Glass	Wool	Synthetic	Other	Matrix
			Cellulose				98.75 %
			Trace	-	-	-	
<b>Client Sample ID:</b> SWV2_B014C2_Side			<b>Sample ID:</b> S2			<b>Date Analyzed:</b> 01/14/2014	
<b>Client Sample Description:</b> Area B, Grid 014						<b>Analyst:</b> Stephanie Golden	
<b>Asbestos Mineral Fibers</b>			Layer			<b>Percent Asbestos:</b>	
			Percent:	Chrysotile	Amosite	Crocidolite	
<b>Homogeneous</b>						<b>Point Count: 76</b>	<b>Point Count Fields: 400</b>
fine powder, brown			100 %	-	-	-	Libby 19 % Amphibole-
<b>Other Fibers</b>			Fibrous	Mineral			
			Glass	Wool	Synthetic	Other	Matrix
			Cellulose				81 %
			-	-	-	-	
<b>Client Sample ID:</b> SWV2_B015C_06			<b>Sample ID:</b> S3			<b>Date Analyzed:</b> 01/14/2014	
<b>Client Sample Description:</b> Area B, Grid 015						<b>Analyst:</b> Stephanie Golden	
<b>Asbestos Mineral Fibers</b>			Layer			<b>Percent Asbestos:</b>	
			Percent:	Chrysotile	Amosite	Crocidolite	
<b>Homogeneous</b>						<b>Point Count: 0</b>	<b>Point Count Fields: 400</b>
fine powder, brown			100 %	-	-	-	NAD
<b>Other Fibers</b>			Fibrous	Mineral			
			Glass	Wool	Synthetic	Other	Matrix
			Cellulose				100 %
			Trace	-	-	-	
<b>Client Sample ID:</b> SWV2_B016C_06			<b>Sample ID:</b> S4			<b>Date Analyzed:</b> 01/14/2014	
<b>Client Sample Description:</b> Area B, Grid 016						<b>Analyst:</b> Stephanie Golden	
<b>Asbestos Mineral Fibers</b>			Layer			<b>Percent Asbestos:</b>	
			Percent:	Chrysotile	Amosite	Crocidolite	
<b>Homogeneous</b>						<b>Point Count: 0</b>	<b>Point Count Fields: 400</b>
fine powder, brown			100 %	-	-	-	NAD
<b>Other Fibers</b>			Fibrous	Mineral			
			Glass	Wool	Synthetic	Other	Matrix
			Cellulose				100 %
			-	-	-	-	

**Job Number: 140048**
**Report Number: 140048R02**
**Report Date: 01/29/2014**

<b>Client Sample ID:</b> SWV2_B017C_06		<b>Sample ID:</b> S5			<b>Date Analyzed:</b> 01/14/2014	
<b>Client Sample Description:</b> Area B, Grid 017					<b>Analyst:</b> Stephanie Golden	
<b>Asbestos Mineral Fibers</b>		Layer	Percent:	Chrysotile	Amosite	Crocidolite
<b>Homogeneous</b>					<b>Point Count: 0</b>	<b>Point Count Fields: 400</b>
fine powder, brown		100 %	-	-	Libby Trace	<b>Percent Asbestos:</b>
					Amphibole-	< 0.25 %
<b>Other Fibers</b>		Fibrous	Mineral			
		Glass	Wool	Synthetic	Other	Matrix
		Cellulose				100 %
		-	-	-	-	
<b>Client Sample ID:</b> SWV2_B018C_06		<b>Sample ID:</b> S6			<b>Date Analyzed:</b> 01/14/2014	
<b>Client Sample Description:</b> Area B, Grid 018					<b>Analyst:</b> Stephanie Golden	
<b>Asbestos Mineral Fibers</b>		Layer	Percent:	Chrysotile	Amosite	Crocidolite
<b>Homogeneous</b>					<b>Point Count: 0</b>	<b>Point Count Fields: 400</b>
fine powder, brown		100 %	-	-	Libby Trace	<b>Percent Asbestos:</b>
					Amphibole-	< 0.25 %
<b>Other Fibers</b>		Fibrous	Mineral			
		Glass	Wool	Synthetic	Other	Matrix
		Cellulose				100 %
		-	-	-	-	
<b>Client Sample ID:</b> SWV2_B019C_06		<b>Sample ID:</b> S7			<b>Date Analyzed:</b> 01/14/2014	
<b>Client Sample Description:</b> Area B, Grid 019					<b>Analyst:</b> Ryan Brown	
<b>Asbestos Mineral Fibers</b>		Layer	Percent:	Chrysotile	Amosite	Crocidolite
<b>Homogeneous</b>					<b>Point Count: 3</b>	<b>Point Count Fields: 400</b>
fine powder, brown		100 %	-	-	Libby 0.75 %	<b>Percent Asbestos:</b>
					Amphibole-	0.75 %
<b>Other Fibers</b>		Fibrous	Mineral			
		Glass	Wool	Synthetic	Other	Matrix
		Cellulose				99 %
		Trace	0.25 %	-	-	
<b>Client Sample ID:</b> SWV2_CWA_1218		<b>Sample ID:</b> S8			<b>Date Analyzed:</b> 01/14/2014	
<b>Client Sample Description:</b> Area B, Grid C-West					<b>Analyst:</b> Ryan Brown	
<b>Asbestos Mineral Fibers</b>		Layer	Percent:	Chrysotile	Amosite	Crocidolite
<b>Homogeneous</b>					<b>Point Count: 0</b>	<b>Point Count Fields: 400</b>
fine powder, brown		100 %	-	-	Libby Trace	<b>Percent Asbestos:</b>
					Amphibole-	< 0.25 %
<b>Other Fibers</b>		Fibrous	Mineral			
		Glass	Wool	Synthetic	Other	Matrix
		Cellulose				99.25 %
		-	0.75 %	-	-	
<b>Client Sample ID:</b> SWV2_DWA_1218		<b>Sample ID:</b> S9			<b>Date Analyzed:</b> 01/14/2014	
<b>Client Sample Description:</b> Area B, Grid D-West					<b>Analyst:</b> Ryan Brown	
<b>Asbestos Mineral Fibers</b>		Layer	Percent:	Chrysotile	Amosite	Crocidolite
<b>Homogeneous</b>					<b>Point Count: 0</b>	<b>Point Count Fields: 400</b>
fine powder, brown		100 %	-	-		<b>Percent Asbestos:</b>
						NAD
<b>Other Fibers</b>		Fibrous	Mineral			
		Glass	Wool	Synthetic	Other	Matrix
		Cellulose				99.25 %
		-	0.75 %	-	-	

**Job Number: 140048****Report Number: 140048R02****Report Date: 01/29/2014**

This laboratory participates in the National Voluntary Laboratory Accreditation Program (NVLAP).  
Testing method is per 40 CFR 763 Subpart F, Appendix A, PLM.

Layered samples are considered non-homogeneous. "Misc" is miscellaneous. "NAD" is No Asbestos Detected.

Asbestos consists of the following minerals: chrysotile, amosite, crocidolite, tremolite, actinolite, anthophyllite.

Small diameter fibers such as those found in vinyl floor tiles, may not be detected by PLM.

Asbestos detection interferences may result from material binders.

Qualitative and quantitative TEM analysis may be recommended for difficult samples.

Quantitative analysis by PLM point count or TEM is recommended for samples testing at < or = to 1% asbestos.

The following estimate of error for this method by visual estimation of asbestos percent are as follows:

1% asbestos: 0-3% error, 5% asbestos: 1-9% error, 10% asbestos: 5-15% error, 20% asbestos: 10-30% error.

This report pertains only to the samples listed on the report. Report considered valid only when signed by analyst.

**Reviewed by:**

  
X

**Stephanie Golden****Technical Manager**



DateShipped: 12/20/2013

CarrierName: FedEx

**AirbillNo: 797480481900**

## CHAIN OF CUSTODY RECORD

SWV2 RemovalActionTX

**Contact Name:** John Koehnen

**Contact Phone: 909-331-5102**

**No: 6-122013-170320-0032**

Cooler #.:

**Lab: Lab/Cor Portland**

Lab Phone: 503-224-5055

[illegible]

Special Instructions: Project Code: S101-19H	SAMPLES TRANSFERRED FROM
	CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
5	[Signature]	12/20/13	TODX	12/20/13	1730						
			[Signature]	12/23/13	3:30pm						

**Client:** Dynamac  
1323 Columbia Drive, Suite 307  
Richardson, TX 75081

**Report Number:** 132656R02

**Report Date:** 01/29/2014

**Job Number:** 132656

**P.O. No:** n/a

**Project Name:** SWV2\_RemovalAction-TX

**Project Number:** 6-122013-170320-0032

**Project Notes:**

<b>Client Sample ID:</b>	SWV2_EC_06		<b>Sample ID:</b>	S1		<b>Date Analyzed:</b>	12/27/2013	
<b>Client Sample Description:</b>	Area A, Grid E					<b>Analyst:</b>	Ryan Brown	
<b>Asbestos Mineral Fibers</b>	Layer							<b>Percent Asbestos:</b>
	Percent:	Chrysotile	Amosite	Crocidolite				
<b>Homogeneous</b>					<b>Point Count:</b>	0	<b>Point Count Fields:</b>	400
loose particulate, brown	100 %	-	-	-				<b>NAD</b>
<b>Other Fibers</b>	Fibrous	Mineral						
	Glass	Wool	Synthetic		Other		Matrix	
	-	Trace	-	-	Talc	Trace	-	100 %

This laboratory participates in the National Voluntary Laboratory Accreditation Program (NVLAP).  
Testing method is per 40 CFR 763 Subpart F, Appendix A, PLM.

Layered samples are considered non-homogeneous. "Misc" is miscellaneous. "NAD" is No Asbestos Detected.

Asbestos consists of the following minerals: chrysotile, amosite, crocidolite, tremolite, actinolite, anthophyllite.

Small diameter fibers such as those found in vinyl floor tiles, may not be detected by PLM.

Asbestos detection interferences may result from material binders.

Qualitative and quantitative TEM analysis may be recommended for difficult samples.

Quantitative analysis by PLM point count or TEM is recommended for samples testing at < or = to 1% asbestos.

The following estimate of error for this method by visual estimation of asbestos percent are as follows:

1% asbestos: 0-3% error, 5% asbestos: 1-9% error, 10% asbestos: 5-15% error, 20% asbestos: 10-30% error.

This report pertains only to the samples listed on the report. Report considered valid only when signed by analyst.

**Reviewed by:**

*Stephanie Golden*

**Stephanie Golden**  
Technical Manager

SWV2 RemovalAction/TX

**Contact Name:** John Koehnen

**Contact Phone: 909-331-5102**

Cooler #:

**Lab: Lab/Cor Portland**

**Lab Phone: 503-224-5055**

[illegible]

Special Instructions: Project Code: S101-19H

**SAMPLES TRANSFERRED FROM**

**CHAIN OF CUSTODY #**

[illegible]

**Client:** Dynamac  
1323 Columbia Drive, Suite 307  
Richardson, TX 75081

**Report Number:** 132588R02  
**Report Date:** 12/27/2013

**Job Number:** 132588  
**Project Name:** SWV2\_RemovalAction-TX  
**Project Number:** 6-121613-164536-0027  
**Project Notes:**

**P.O. No:** n/a

<b>Client Sample ID:</b> SWV2_A002C_06	<b>Sample ID:</b> S1	<b>Date Analyzed:</b> 12/19/2013
<b>Client Sample Description:</b> Area A, Grid 002	<b>Analyst:</b> Ryan Brown	
<b>Asbestos Mineral Fibers</b>	Layer Percent: Chrysotile Amosite Crocidolite	<b>Percent Asbestos:</b>
<b>Homogeneous</b>		<b>Point Count: 2 Point Count Fields: 400</b>
Loose particulate, brown 100 % Trace - -	Libby 0.5 % Amphibole-	<b>0.5 %</b>
<b>Other Fibers</b>	Fibrous Glass Cellulose Mineral Wool Synthetic Other	<b>Matrix 99.5 %</b>

<b>Client Sample ID:</b> SWV2_ANWC_06	<b>Sample ID:</b> S2	<b>Date Analyzed:</b> 12/19/2013
<b>Client Sample Description:</b> Area A, NW Subgrid A	<b>Analyst:</b> Ryan Brown	
<b>Asbestos Mineral Fibers</b>	Layer Percent: Chrysotile Amosite Crocidolite	<b>Percent Asbestos:</b>
<b>Homogeneous</b>		<b>Point Count: 0 Point Count Fields: 400</b>
loose particulate, brown 100 % - - -		<b>NAD</b>
<b>Other Fibers</b>	Fibrous Glass Cellulose Mineral Wool Synthetic Other	<b>Matrix 100 %</b>

This laboratory participates in the National Voluntary Laboratory Accreditation Program (NVLAP).  
Testing method is per 40 CFR 763 Subpart F, Appendix A, PLM.

Layered samples are considered non-homogeneous. "Misc" is miscellaneous. "NAD" is No Asbestos Detected.  
Asbestos consists of the following minerals: chrysotile, amosite, crocidolite, tremolite, actinolite, anthophyllite.  
Small diameter fibers such as those found in vinyl floor tiles, may not be detected by PLM.  
Asbestos detection interferences may result from material binders.  
Qualitative and quantitative TEM analysis may be recommended for difficult samples.  
Quantitative analysis by PLM point count or TEM is recommended for samples testing at < or = to 1% asbestos.  
The following estimate of error for this method by visual estimation of asbestos percent are as follows:  
1% asbestos: 0-3% error, 5% asbestos: 1-9% error, 10% asbestos: 5-15% error, 20% asbestos: 10-30% error.  
This report pertains only to the samples listed on the report. Report considered valid only when signed by analyst.

**Reviewed by:**

*Stephanie Golden*  
X

**Stephanie Golden**  
**Analyst**

## CHAIN OF CUSTODY RECORD

**No: 6-121713-163316-0028**

SWV2 RemovalAction/TX

Cooler #:

**Contact Name:** John Koehnen

**Lab: Lab/Cor Portland**

Special Instructions: Project Code: S101-19H	SAMPLES TRANSFERRED FROM
	CHAIN OF CUSTODY #

[illegible]

**Client:** Dynamac  
1323 Columbia Drive, Suite 307  
Richardson, TX 75081

**Report Number:** 132608R02

**Report Date:** 12/27/2013

**Job Number:** 132608

**P.O. No:** n/a

**Project Name:** SWV2\_RemovalAction-TX

**Project Number:** 6-121713-163316-0028

**Project Notes:**

<b>Client Sample ID:</b>	SWV2_A019C_06			<b>Sample ID:</b>	S1		<b>Date Analyzed:</b>	12/23/2013	
<b>Client Sample Description:</b>	Area A, Grid 019			<b>Analyst:</b>	Ryan Brown				
<b>Asbestos Mineral Fibers</b>	Layer								<b>Percent Asbestos:</b>
	Percent:	Chrysotile	Amosite	Crocidolite					
<b>Homogeneous</b>					<b>Point Count:</b>	17	<b>Point Count Fields:</b>	400	
loose particulate, brown	100 %	-	-	-	Libby	4.25 %			4.25 %
					Amphibole-				
<b>Other Fibers</b>	Fibrous	Mineral							
	Glass	Cellulose	Wool	Synthetic	Other				Matrix
	-	-	-	-	-	-			95.75 %

This laboratory participates in the National Voluntary Laboratory Accreditation Program (NVLAP).  
Testing method is per 40 CFR 763 Subpart F, Appendix A, PLM.

Layered samples are considered non-homogeneous. "Misc" is miscellaneous. "NAD" is No Asbestos Detected.

Asbestos consists of the following minerals: chrysotile, amosite, crocidolite, tremolite, actinolite, anthophyllite.

Small diameter fibers such as those found in vinyl floor tiles, may not be detected by PLM.

Asbestos detection interferences may result from material binders.

Qualitative and quantitative TEM analysis may be recommended for difficult samples.

Quantitative analysis by PLM point count or TEM is recommended for samples testing at < or = to 1% asbestos.

The following estimate of error for this method by visual estimation of asbestos percent are as follows:

1% asbestos: 0-3% error, 5% asbestos: 1-9% error, 10% asbestos: 5-15% error, 20% asbestos: 10-30% error.

This report pertains only to the samples listed on the report. Report considered valid only when signed by analyst.

**Reviewed by:**

*Stephanie Golden*

**Stephanie Golden**  
**Analyst**

**No: 6-121313-163623-0026**

Cooler #: 1

Lab: Lab/Cor Portland  
Lab Phone: 503-224-5055

[illegible]

**SAMPLES TRANSFERRED FROM**

[illegible]

**Client:** Dynamac  
1323 Columbia Drive, Suite 307  
Richardson, TX 75081

**Report Number:** 132574R02

**Report Date:** 12/27/2013

**Job Number:** 132574

**P.O. No:** n/a

**Project Name:** SWV2\_RemovalAction-TX

**Project Number:** 6-121313-163623-0026

**Project Notes:**

<b>Client Sample ID:</b>	SWV2_EA1_1218			<b>Sample ID:</b>	S1		<b>Date Analyzed:</b>	12/17/2013	
<b>Client Sample Description:</b>	Area A, Grid E			<b>Analyst:</b>	Karyn Patridge				
<b>Asbestos Mineral Fibers</b>	Layer								<b>Percent Asbestos:</b>
	Percent:	Chrysotile	Amosite	Crocidolite					
<b>Homogeneous</b>					<b>Point Count:</b>	0	<b>Point Count Fields:</b>	400	
fine powder, brown	100 %	-	-	-					<b>NAD</b>
<b>Other Fibers</b>	Fibrous	Mineral							
	Glass	Cellulose	Wool	Synthetic	Other				Matrix
	-	Trace	-	-	-	-	-	-	100 %

This laboratory participates in the National Voluntary Laboratory Accreditation Program (NVLAP).  
Testing method is per 40 CFR 763 Subpart F, Appendix A, PLM.

Layered samples are considered non-homogeneous. "Misc" is miscellaneous. "NAD" is No Asbestos Detected.

Asbestos consists of the following minerals: chrysotile, amosite, crocidolite, tremolite, actinolite, anthophyllite.

Small diameter fibers such as those found in vinyl floor tiles, may not be detected by PLM.

Asbestos detection interferences may result from material binders.

Qualitative and quantitative TEM analysis may be recommended for difficult samples.

Quantitative analysis by PLM point count or TEM is recommended for samples testing at < or = to 1% asbestos.

The following estimate of error for this method by visual estimation of asbestos percent are as follows:

1% asbestos: 0-3% error, 5% asbestos: 1-9% error, 10% asbestos: 5-15% error, 20% asbestos: 10-30% error.

This report pertains only to the samples listed on the report. Report considered valid only when signed by analyst.

**Reviewed by:**

*Stephanie Golden*

**Stephanie Golden**  
Analyst



## CHAIN OF CUSTODY RECORD

SWV2 RemovalAction.TX

**Contact Name:** John Koehnen

**Contact Phone: 909-331-5102**

**No: 6-121113-164316-0023**

Cooler #:

Lab: Lab/Cor Portland

Lab Phone: 503-224-5055

[illegible]

Special Instructions: Project Code: S101-19H

## SAMPLES TRANSFERRED FROM

**CHAIN OF CUSTODY #**

[illegible]

**Client:** Dynamac  
1323 Columbia Drive, Suite 307  
Richardson, TX 75081

**Report Number:** 132561R02

**Report Date:** 12/27/2013

**Job Number:** 132561

**P.O. No:** n/a

**Project Name:** SWV2\_RemovalAction-TX

**Project Number:** 6-121113-164316-0023

**Project Notes:**

<b>Client Sample ID:</b>	SWV2_A003C_06			<b>Sample ID:</b>	S1		<b>Date Analyzed:</b>	12/17/2013	
<b>Client Sample Description:</b>	Area A, Grid 003			<b>Analyst:</b>	Karyn Patridge				
<b>Asbestos Mineral Fibers</b>	Layer								<b>Percent Asbestos:</b>
	Percent:	Chrysotile	Amosite	Crocidolite					
<b>Homogeneous</b>					<b>Point Count: 5</b>	<b>Point Count Fields: 400</b>			
fine powder, brown	100 %	-	-	-	Libby 1.25 %				1.25 %
					Amphibole-				
<b>Other Fibers</b>	Fibrous	Mineral							
	Glass	Cellulose	Wool	Synthetic	Other				Matrix
	-	-	-	-	-	-			98.75 %

This laboratory participates in the National Voluntary Laboratory Accreditation Program (NVLAP).  
Testing method is per 40 CFR 763 Subpart F, Appendix A, PLM.

Layered samples are considered non-homogeneous. "Misc" is miscellaneous. "NAD" is No Asbestos Detected.

Asbestos consists of the following minerals: chrysotile, amosite, crocidolite, tremolite, actinolite, anthophyllite.

Small diameter fibers such as those found in vinyl floor tiles, may not be detected by PLM.

Asbestos detection interferences may result from material binders.

Qualitative and quantitative TEM analysis may be recommended for difficult samples.

Quantitative analysis by PLM point count or TEM is recommended for samples testing at < or = to 1% asbestos.

The following estimate of error for this method by visual estimation of asbestos percent are as follows:

1% asbestos: 0-3% error, 5% asbestos: 1-9% error, 10% asbestos: 5-15% error, 20% asbestos: 10-30% error.

This report pertains only to the samples listed on the report. Report considered valid only when signed by analyst.

**Reviewed by:**

*Stephanie Golden*

**Stephanie Golden**  
**Analyst**

**CHAIN OF CUSTODY RECORD**  
**SWV2\_RemovalAction/TX**  
 Contact Name: John Koehnen  
 Contact Phone: 909-331-5102

**No: 6-121013-170110-0022**

Soil 132542

### CHAIN OF CUSTODY RECORD

SWV2\_RemovalActionTX

**Contact Name:** John Koehnen

**Contact Phone: 909-331-5102**

[illegible]

Special Instructions: Project Code: S101-19H

**SAMPLES TRANSFERRED FROM  
CHAIN OF CUSTODY #**

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
C	[Signature]	12/10/13	[Signature]	12/10/13	1730						
	[Signature]	12/11/13	[Signature]	12/11/13	1145 am						

**Client:** Dynamac  
1323 Columbia Drive, Suite 307  
Richardson, TX 75081

**Report Number:** 132542R02  
**Report Date:** 12/27/2013

**P.O. No:** n/a

**Job Number:** 132542  
**Project Name:** SWV2\_RemovalAction-TX  
**Project Number:** 6-121013-170110-0022  
**Project Notes:**

<b>Client Sample ID:</b> SWV2_A001C_06		<b>Sample ID:</b> S1		<b>Date Analyzed:</b> 12/16/2013	
<b>Client Sample Description:</b> Area A, Grid 001				<b>Analyst:</b> Karyn Patridge	
<b>Asbestos Mineral Fibers</b>				<b>Percent Asbestos:</b>	
Layer		Percent:			
		Chrysotile		Amosite	
				Crocidolite	
<b>Homogeneous</b>				<b>Point Count: 12 Point Count Fields: 400</b>	
fine powder, brown		100 %		Libby 3 %	
		-		Amphibole-	
<b>Other Fibers</b>					
Fibrous		Mineral			
Glass		Wool		Other	
Cellulose		Synthetic		Matrix	
-		-		97 %	

This laboratory participates in the National Voluntary Laboratory Accreditation Program (NVLAP).  
Testing method is per 40 CFR 763 Subpart F, Appendix A, PLM.

Layered samples are considered non-homogeneous. "Misc" is miscellaneous. "NAD" is No Asbestos Detected.  
Asbestos consists of the following minerals: chrysotile, amosite, crocidolite, tremolite, actinolite, anthophyllite.  
Small diameter fibers such as those found in vinyl floor tiles, may not be detected by PLM.

Asbestos detection interferences may result from material binders.

Qualitative and quantitative TEM analysis may be recommended for difficult samples.

Quantitative analysis by PLM point count or TEM is recommended for samples testing at < or = to 1% asbestos.

The following estimate of error for this method by visual estimation of asbestos percent are as follows:

1% asbestos: 0-3% error, 5% asbestos: 1-9% error, 10% asbestos: 5-15% error, 20% asbestos: 10-30% error.

This report pertains only to the samples listed on the report. Report considered valid only when signed by analyst.

**Reviewed by:**

*Stephanie Golden*

**Stephanie Golden**  
**Analyst**

ALC-6-120913-164917-0020

Cooler #

Lab: Lab/Cor Portland

Lab Phone: 503-224-5055

No: 6-120913-164917-0020

**SAMPLES TRANSFERRED FROM**

**Lab/Cor Portland, Inc.**4321 SW Corbett Ave., Ste A  
Portland, OR 97239**BULK SAMPLE ASBESTOS ANALYSIS**Phone: (503) 224-5055  
Fax: (503) 228-8282  
http://www.labcorpdx.net*Asbestos and Environmental Analysis***Client:** Dynamac  
1323 Columbia Drive, Suite 307  
Richardson, TX 75081**Report Number:** 132523R02**Report Date:** 12/27/2013**Job Number:** 132523**P.O. No:** n/a**Project Name:** SWV2\_RemovalAction-TX**Project Number:** 6-120913-164917-0020**Project Notes:**

<b>Client Sample ID:</b>	SWVSoil_WAR1W		<b>Sample ID:</b>	S1		<b>Date Analyzed:</b>	12/13/2013	
<b>Client Sample Description:</b>	Aux Warehouse-West					<b>Analyst:</b>	Stephanie Golden	
<b>Asbestos Mineral Fibers</b>	Layer						<b>Percent Asbestos:</b>	
	Percent:	Chrysotile	Amosite	Crocidolite				
<b>Homogeneous</b>						<b>Point Count: 0</b>	<b>Point Count Fields: 400</b>	
fine powder, dark brown	100 %	-	-	-				<b>NAD</b>
<b>Other Fibers</b>	Fibrous	Mineral						
	Glass	Cellulose	Wool	Synthetic	Other		Matrix	
	-	1.75 %	-	-	-	-	98.25 %	

<b>Client Sample ID:</b>	SWVSoil_WAR2E		<b>Sample ID:</b>	S2		<b>Date Analyzed:</b>	12/13/2013	
<b>Client Sample Description:</b>	Aux Warehouse-East					<b>Analyst:</b>	Stephanie Golden	
<b>Asbestos Mineral Fibers</b>	Layer						<b>Percent Asbestos:</b>	
	Percent:	Chrysotile	Amosite	Crocidolite				
<b>Homogeneous</b>						<b>Point Count: 0</b>	<b>Point Count Fields: 400</b>	
fine powder, dark brown	100 %	-	-	-				<b>NAD</b>
<b>Other Fibers</b>	Fibrous	Mineral						
	Glass	Cellulose	Wool	Synthetic	Other		Matrix	
	-	2.75 %	-	-	-	-	97.25 %	

This laboratory participates in the National Voluntary Laboratory Accreditation Program (NVLAP).  
Testing method is per 40 CFR 763 Subpart F, Appendix A, PLM.

Layered samples are considered non-homogeneous. "Misc" is miscellaneous. "NAD" is No Asbestos Detected.

Asbestos consists of the following minerals: chrysotile, amosite, crocidolite, tremolite, actinolite, anthophyllite.

Small diameter fibers such as those found in vinyl floor tiles, may not be detected by PLM.

Asbestos detection interferences may result from material binders.

Qualitative and quantitative TEM analysis may be recommended for difficult samples.

Quantitative analysis by PLM point count or TEM is recommended for samples testing at < or = to 1% asbestos.

The following estimate of error for this method by visual estimation of asbestos percent are as follows:

1% asbestos: 0-3% error, 5% asbestos: 1-9% error, 10% asbestos: 5-15% error, 20% asbestos: 10-30% error.

This report pertains only to the samples listed on the report. Report considered valid only when signed by analyst.

**Reviewed by:**

*Stephanie Golden*  
X

**Stephanie Golden****Analyst**

**No: 6-120413-161407-0018**

Cooler #:

**Lab: Lab/Cor Portland**

Lab Phone: 503-224-5055

**No: 6-120413-161407-0018**

[illegible]

Special Instructions: Project Code: S101-19H

**SAMPLES TRANSFERRED FROM**

CHAIN OF CUSTODY #

[illegible]



# Lab/Cor Portland, Inc.

4321 SW Corbett Ave., Ste A  
Portland, OR 97239

## BULK SAMPLE ASBESTOS ANALYSIS

### Asbestos and Environmental Analysis

Phone: (503) 224-5055  
Fax: (503) 228-8282  
<http://www.labcorpdx.net>

**Client:** Dynamac

**Report Number:** 132489R02

**Report Date:** 12/26/2013

**P.O. No:** n/a

**Job Number:** 132489

**Project Name:** SWV2\_RemovalAction-TX

**Project Number:** 6-120413-161407-0018

#### Project Notes:

<b>Client Sample ID:</b>	SWV2_BSC_06		<b>Sample ID:</b>	S1		<b>Date Analyzed:</b>	12/10/2013	
<b>Client Sample Description:</b>	Area A, Grid B-South					<b>Analyst:</b>	Karyn Patridge	
<b>Asbestos Mineral Fibers</b>	Layer						<b>Percent Asbestos:</b>	
	Percent:	Chrysotile	Amosite	Crocidolite				
<b>Homogeneous</b>						<b>Point Count: 0</b>	<b>Point Count Fields: 400</b>	
fine powder, brown	100 %	-	-	-				NAD
<b>Other Fibers</b>	Fibrous	Mineral						
	Glass	Cellulose	Wool	Synthetic	Other			Matrix
	-	Trace	-	-	-	-	-	100 %

This laboratory participates in the National Voluntary Laboratory Accreditation Program (NVLAP).  
Testing method is per 40 CFR 763 Subpart F, Appendix A, PLM.

Layered samples are considered non-homogeneous. "Misc" is miscellaneous. "NAD" is No Asbestos Detected.

Asbestos consists of the following minerals: chrysotile, amosite, crocidolite, tremolite, actinolite, anthophyllite.

Small diameter fibers such as those found in vinyl floor tiles, may not be detected by PLM.

Asbestos detection interferences may result from material binders.

Qualitative and quantitative TEM analysis may be recommended for difficult samples.

Quantitative analysis by PLM point count or TEM is recommended for samples testing at < or = to 1% asbestos.

The following estimate of error for this method by visual estimation of asbestos percent are as follows:

1% asbestos: 0-3% error, 5% asbestos: 1-9% error, 10% asbestos: 5-15% error, 20% asbestos: 10-30% error.

This report pertains only to the samples listed on the report. Report considered valid only when signed by analyst.

#### Reviewed by:



**Stephanie Golden**

**Analyst**



**No: 6-120313-172229-0017**

Cooler #: 1

Lab: Lab/Cor Portland

**Lab Phone: 503-224-5055**

**No: 6-120313-172229-0017**

[illegible]

**Special Instructions: 1 Soil / 6 PCM - Charge Code: S101-19H**

**SAMPLES TRANSFERRED FROM  
CHAIN OF CUSTODY #**

Items/Reason	Relinquished by	Date	Received by	Date	Time
7	[Signature]	12/3/13	FEDX	12/3/13	1800
			Daulton	12/4/13	9:15am



**No: 6-112113-160418-0014**

Cooler #:  
Lab: Lab/Cor Portland  
Lab Phone: 503-224-5055

Special Instructions: Project Code: S101-19H	SAMPLES TRANSFERRED FROM
	CHAIN OF CUSTODY #

[illegible]

**Client:** Dynamac  
1323 Columbia Drive, Suite 307  
Richardson, TX 75081

**Report Number:** 132406R02

**Report Date:** 12/24/2013

**Job Number:** 132406

**P.O. No:** n/a

**Project Name:** SWV2\_RemovalAction-TX

**Project Number:** 6-112113-160418-0014

**Project Notes:**

<b>Client Sample ID:</b>	<b>SWV2_EC006_06</b>		<b>Sample ID:</b>	S1		<b>Date Analyzed:</b>	11/26/2013	
<b>Client Sample Description:</b>	Area E, Subgrid 006					<b>Analyst:</b>	Karyn Patridge	
<b>Asbestos Mineral Fibers</b>	Layer							<b>Percent Asbestos:</b>
	Percent:	Chrysotile	Amosite	Crocidolite				
<b>Homogeneous</b>						<b>Point Count:</b>	<b>400</b>	<b>Point Count Fields:</b> 0
fine powder, brown	100 %	-	-	-				<b>NAD</b>
<b>Other Fibers</b>	Fibrous	Mineral						
	Glass	Wool	Synthetic	Other				Matrix
	-	Trace	-	-	-	-	-	100 %

This laboratory participates in the National Voluntary Laboratory Accreditation Program (NVLAP).  
Testing method is per 40 CFR 763 Subpart F, Appendix A, PLM.

Layered samples are considered non-homogeneous. "Misc" is miscellaneous. "NAD" is No Asbestos Detected.

Asbestos consists of the following minerals: chrysotile, amosite, crocidolite, tremolite, actinolite, anthophyllite.

Small diameter fibers such as those found in vinyl floor tiles, may not be detected by PLM.

Asbestos detection interferences may result from material binders.

Qualitative and quantitative TEM analysis may be recommended for difficult samples.

Quantitative analysis by PLM point count or TEM is recommended for samples testing at < or = to 1% asbestos.

The following estimate of error for this method by visual estimation of asbestos percent are as follows:

1% asbestos: 0-3% error, 5% asbestos: 1-9% error, 10% asbestos: 5-15% error, 20% asbestos: 10-30% error.

This report pertains only to the samples listed on the report. Report considered valid only when signed by analyst.

**Reviewed by:**

*Stephanie Golden*

**Stephanie Golden**  
Analyst

DateShipped: 11/18/2013

CarrierName: FedEx

**Airbiquity No: 797187589303**

132368-5011

## CHAIN OF CUSTODY RECORD

SWW2 RemovalAction/TX

**Contact Name:** John Koehnen

**Contact Phone: 909-331-5102**

132367-PCM

**No: 6-111813-163834-0011**

Cooler #:

**Lab: Lab/Cor Portland**

**Lab Phone: 503-224-5055**

[illegible]

## SAMPLES TRANSFERRED FROM

**CHAIN OF CUSTODY #**

Special Instructions: Project Code: S101-19H

[illegible]

**Lab/Cor Portland, Inc.**4321 SW Corbett Ave., Ste A  
Portland, OR 97239**BULK SAMPLE ASBESTOS ANALYSIS***Asbestos and Environmental Analysis*Phone: (503) 224-5055  
Fax: (503) 228-8282  
http://www.labcorpdx.net**Client:** Dynamac  
1323 Columbia Drive, Suite 307  
Richardson, TX 75081**Report Number:** 132368R02**Report Date:** 12/24/2013**Job Number:** 132368**P.O. No:** n/a**Project Name:** SWV2\_RemovalAction-TX**Project Number:** 6-111813-163834-0011**Project Notes:**

<b>Client Sample ID:</b>		SWV2_EC010_06		<b>Sample ID:</b>		S1		<b>Date Analyzed:</b>		11/22/2013	
<b>Client Sample Description:</b>		Area E, Grid 010				<b>Analyst:</b>		Stephanie Golden			
<b><u>Asbestos Mineral Fibers</u></b>		Layer								<b>Percent Asbestos:</b>	
		Percent:		Chrysotile		Amosite		Crocidolite			
<b>Homogeneous</b>						<b>Point Count:</b>		<b>0</b>		<b>Point Count Fields:</b>	
fine powder, brown		100 %		-		-		-		<b>NAD</b>	
<b><u>Other Fibers</u></b>		Fibrous		Mineral							
		Glass		Cellulose		Wool		Synthetic		Other	
		-		-		-		-		-	
										Matrix	
										100 %	

<b>Client Sample ID:</b>		SWV2_EC011_06		<b>Sample ID:</b>		S2		<b>Date Analyzed:</b>		11/22/2013	
<b>Client Sample Description:</b>		Area E, Grid 011						<b>Analyst:</b>		Stephanie Golden	
<b>Asbestos Mineral Fibers</b>		Layer								<b>Percent Asbestos:</b>	
		Percent:		Chrysotile		Amosite		Crocidolite			
<b>Homogeneous</b>								<b>Point Count:</b>		<b>Point Count Fields:</b>	
fine powder, brown		100 %		-		-		-			
										<b>NAD</b>	
<b>Other Fibers</b>		Fibrous		Mineral							
		Glass		Cellulose		Wool		Synthetic		Other	
		-		-		-		-		-	
										Matrix	
										100 %	

This laboratory participates in the National Voluntary Laboratory Accreditation Program (NVLAP).  
Testing method is per 40 CFR 763 Subpart F, Appendix A, PLM.

Layered samples are considered non-homogeneous. "Misc" is miscellaneous. "NAD" is No Asbestos Detected.

Asbestos consists of the following minerals: chrysotile, amosite, crocidolite, tremolite, actinolite, anthophyllite.

Small diameter fibers such as those found in vinyl floor tiles, may not be detected by PLM.

Asbestos detection interferences may result from material binders.

Qualitative and quantitative TEM analysis may be recommended for difficult samples.

Quantitative analysis by PLM point count or TEM is recommended for samples testing at < or = to 1% asbestos.

The following estimate of error for this method by visual estimation of asbestos percent are as follows:

1% asbestos: 0-3% error, 5% asbestos: 1-9% error, 10% asbestos: 5-15% error, 20% asbestos: 10-30% error.

This report pertains only to the samples listed on the report. Report considered valid only when signed by analyst.

**Reviewed by:**

Digital Signature for Lab Use Only  
  
 X

**Stephanie Golden****Analyst**

DateShipped: 11/16/2013

CarrierName: FedEx

**AirbillNo: 797177150573**

## CHAIN OF CUSTODY RECORD

SWV2\_RemovalAction/TX

**Contact Name:** John Koehnen

**Contact Phone: 909-331-5102**

**No: 6-111613-145946-0009**

Cooler #: 1

**Lab: Lab/Cor Portland**

**Lab Phone: 503-224-5055**

132365

[illegible]

<p>Special Instructions: Project Code = S101-19H</p>	<p>SAMPLES TRANSFERRED FROM</p>	<p>CHAIN OF CUSTODY #</p>
------------------------------------------------------	---------------------------------	---------------------------

[illegible]

**Client:** Dynamac  
1323 Columbia Drive, Suite 307  
Richardson, TX 75081

**Report Number:** 132365R02

**Report Date:** 12/24/2013

**Job Number:** 132365

**P.O. No:** n/a

**Project Name:** SWV2\_RemovalAction-TX

**Project Number:** 6-111613-145946-0009

**Project Notes:**

<b>Client Sample ID:</b>	<b>CMB01_111613_06</b>	<b>Sample ID:</b>	S1	<b>Date Analyzed:</b>	11/20/2013
<b>Client Sample Description:</b>	Materials Store Yard			<b>Analyst:</b>	Stephanie Golden
<b>Asbestos Mineral Fibers</b>	Layer				
	Percent:	Chrysotile	Amosite	Crocidolite	<b>Percent Asbestos:</b>
<b>Homogeneous</b>				<b>Point Count: 0</b>	<b>Point Count Fields: 400</b>
fine powder, brown	100 %	-	-	-	<b>NAD</b>
<b>Other Fibers</b>	Fibrous	Mineral			
	Glass	Wool	Synthetic	Other	Matrix
	Cellulose				100 %
	-	-	-	-	

<b>Client Sample ID:</b>	<b>CMB12_111613_06</b>	<b>Sample ID:</b>	S2	<b>Date Analyzed:</b>	11/20/2013
<b>Client Sample Description:</b>	Materials Store Yard			<b>Analyst:</b>	Stephanie Golden
<b>Asbestos Mineral Fibers</b>	Layer				
	Percent:	Chrysotile	Amosite	Crocidolite	<b>Percent Asbestos:</b>
<b>Homogeneous</b>				<b>Point Count: 0</b>	<b>Point Count Fields: 400</b>
fine powder, brown	100 %	-	-	-	<b>NAD</b>
<b>Other Fibers</b>	Fibrous	Mineral			
	Glass	Wool	Synthetic	Other	Matrix
	Cellulose				100 %
	Trace	-	-	-	

<b>Client Sample ID:</b>	<b>CMB02_111613_06</b>	<b>Sample ID:</b>	S3	<b>Date Analyzed:</b>	11/20/2013
<b>Client Sample Description:</b>	Materials Store Yard			<b>Analyst:</b>	Stephanie Golden
<b>Asbestos Mineral Fibers</b>	Layer				
	Percent:	Chrysotile	Amosite	Crocidolite	<b>Percent Asbestos:</b>
<b>Homogeneous</b>				<b>Point Count: 0</b>	<b>Point Count Fields: 0</b>
fine powder, brown	100 %	-	-	-	<b>NAD</b>
<b>Other Fibers</b>	Fibrous	Mineral			
	Glass	Wool	Synthetic	Other	Matrix
	Cellulose				100 %
	Trace	-	-	-	



**Job Number: 132365****Report Number: 132365R02****Report Date: 12/24/2013**

This laboratory participates in the National Voluntary Laboratory Accreditation Program (NVLAP).  
Testing method is per 40 CFR 763 Subpart F, Appendix A, PLM.

Layered samples are considered non-homogeneous. "Misc" is miscellaneous. "NAD" is No Asbestos Detected.

Asbestos consists of the following minerals: chrysotile, amosite, crocidolite, tremolite, actinolite, anthophyllite.

Small diameter fibers such as those found in vinyl floor tiles, may not be detected by PLM.

Asbestos detection interferences may result from material binders.

Qualitative and quantitative TEM analysis may be recommended for difficult samples.

Quantitative analysis by PLM point count or TEM is recommended for samples testing at < or = to 1% asbestos.

The following estimate of error for this method by visual estimation of asbestos percent are as follows:

1% asbestos: 0-3% error, 5% asbestos: 1-9% error, 10% asbestos: 5-15% error, 20% asbestos: 10-30% error.

This report pertains only to the samples listed on the report. Report considered valid only when signed by analyst.

**Reviewed by:**

  
X

**Stephanie Golden****Analyst**

[illegible]

100 Feet

### SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

[illegible]

**Client:** Dynamac  
1323 Columbia Drive, Suite 307  
Richardson, TX 75081

**Report Number:** 132309R02

**Report Date:** 12/23/2013

**Job Number:** 132309

**P.O. No:** n/a

**Project Name:** SWV2\_RemovalAction-TX

**Project Number:** 6-111113-172057-0002

**Project Notes:**

<b>Client Sample ID:</b> BF01_111113_06	<b>Sample ID:</b> S1	<b>Date Analyzed:</b> 11/15/2013
<b>Client Sample Description:</b> Backfill Borrow Pit	<b>Analyst:</b> Stephanie Golden	
<b>Asbestos Mineral Fibers</b>		<b>Percent Asbestos:</b>
Layer	Chrysotile	Amosite
Percent:	Chrysotile	Amosite
Homogeneous		
fine powder, brown	100 %	-
		-
		-
<b>Other Fibers</b>		
Fibrous	Mineral	
Glass	Wool	
Cellulose	Synthetic	
-	-	-
		Other
		-
		Matrix
		100 %

**Point Count: 0** **Point Count Fields: 400**

**NAD**

<b>Client Sample ID:</b> BF012_111113_06	<b>Sample ID:</b> S2	<b>Date Analyzed:</b> 11/15/2013
<b>Client Sample Description:</b> Backfill Borrow Pit	<b>Analyst:</b> Stephanie Golden	
<b>Asbestos Mineral Fibers</b>		<b>Percent Asbestos:</b>
Layer	Chrysotile	Amosite
Percent:	Chrysotile	Amosite
Homogeneous		
fine powder, brown	100 %	-
		-
		-
<b>Other Fibers</b>		
Fibrous	Mineral	
Glass	Wool	
Cellulose	Synthetic	
-	-	-
		Other
		-
		Matrix
		100 %

**Point Count: 0** **Point Count Fields: 400**

**NAD**

<b>Client Sample ID:</b> BF02_111113_06	<b>Sample ID:</b> S3	<b>Date Analyzed:</b> 11/15/2013
<b>Client Sample Description:</b> Backfill Borrow Pit	<b>Analyst:</b> Stephanie Golden	
<b>Asbestos Mineral Fibers</b>		<b>Percent Asbestos:</b>
Layer	Chrysotile	Amosite
Percent:	Chrysotile	Amosite
Homogeneous		
fine powder, brown	100 %	-
		-
		-
<b>Other Fibers</b>		
Fibrous	Mineral	
Glass	Wool	
Cellulose	Synthetic	
-	-	-
		Other
		-
		Matrix
		100 %

**Point Count: 0** **Point Count Fields: 400**

**NAD**

<b>Client Sample ID:</b> CM01_111113_06	<b>Sample ID:</b> S4	<b>Date Analyzed:</b> 11/15/2013
<b>Client Sample Description:</b> Materials Storage Yard	<b>Analyst:</b> Stephanie Golden	
<b>Asbestos Mineral Fibers</b>		<b>Percent Asbestos:</b>
Layer	Chrysotile	Amosite
Percent:	Chrysotile	Amosite
Homogeneous		
fine powder, brown	100 %	-
		-
		-
<b>Other Fibers</b>		
Fibrous	Mineral	
Glass	Wool	
Cellulose	Synthetic	
-	-	-
		Other
		-
		Matrix
		100 %

**Point Count: 0** **Point Count Fields: 400**

**NAD**

**Job Number: 132309**

**Report Number: 132309R02**

**Report Date: 12/23/2013**

<b>Client Sample ID:</b>	<b>CM012_111113_06</b>	<b>Sample ID:</b>	<b>S5</b>	<b>Date Analyzed:</b>	<b>11/15/2013</b>
<b>Client Sample Description:</b>	Materials Storage Yard			<b>Analyst:</b>	Stephanie Golden
<b>Asbestos Mineral Fibers</b>	Layer				<b>Percent Asbestos:</b>
	Percent:	Chrysotile	Amosite	Crocidolite	
<b>Homogeneous</b>				<b>Point Count: 0</b>	<b>Point Count Fields: 400</b>
fine powder, brown	100 %	Trace	-	-	<b>&lt; 0.25 %</b>
<b>Other Fibers</b>	Fibrous	Mineral			
	Glass	Wool	Synthetic	Other	Matrix
	-	-	-	-	100 %

Comments: One chrysotile bundle was detected within the field of view of the reticule.

<b>Client Sample ID:</b>	<b>CM02_111113_06</b>	<b>Sample ID:</b>	<b>S6</b>	<b>Date Analyzed:</b>	<b>11/15/2013</b>
<b>Client Sample Description:</b>	Materials Storage Yard			<b>Analyst:</b>	Stephanie Golden
<b>Asbestos Mineral Fibers</b>	Layer				<b>Percent Asbestos:</b>
	Percent:	Chrysotile	Amosite	Crocidolite	
<b>Homogeneous</b>				<b>Point Count: 0</b>	<b>Point Count Fields: 400</b>
fine powder, brown	100 %	-	-	-	<b>NAD</b>
<b>Other Fibers</b>	Fibrous	Mineral			
	Glass	Wool	Synthetic	Other	Matrix
	-	-	-	-	100 %

<b>Client Sample ID:</b>	<b>SWV2_BNC_06</b>	<b>Sample ID:</b>	<b>S7</b>	<b>Date Analyzed:</b>	<b>11/15/2013</b>
<b>Client Sample Description:</b>	Area A, Grid B-North			<b>Analyst:</b>	Stephanie Golden
<b>Asbestos Mineral Fibers</b>	Layer				<b>Percent Asbestos:</b>
	Percent:	Chrysotile	Amosite	Crocidolite	
<b>Homogeneous</b>				<b>Point Count: 0</b>	<b>Point Count Fields: 400</b>
fine powder, brown	100 %	-	-	-	<b>NAD</b>
<b>Other Fibers</b>	Fibrous	Mineral			
	Glass	Wool	Synthetic	Other	Matrix
	-	-	-	-	100 %

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Testing method is per 40 CFR 763 Subpart F, Appendix A, PLM.

Layered samples are considered non-homogeneous. "Misc" is miscellaneous. "NAD" is No Asbestos Detected.

Asbestos consists of the following minerals: chrysotile, amosite, crocidolite, tremolite, actinolite, anthophyllite.

Small diameter fibers such as those found in vinyl floor tiles, may not be detected by PLM.

Asbestos detection interferences may result from material binders.

Qualitative and quantitative TEM analysis may be recommended for difficult samples.

Quantitative analysis by PLM point count or TEM is recommended for samples testing at < or = to 1% asbestos.

The following estimate of error for this method by visual estimation of asbestos percent are as follows:

1% asbestos: 0-3% error, 5% asbestos: 1-9% error, 10% asbestos: 5-15% error, 20% asbestos: 10-30% error.

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**Reviewed by:**

*Stephanie Golden*  
X

**Stephanie Golden**  
**Analyst**

## No: 09/26/13-20003

Cooler #: 1  
Lab: Labcor  
Lab Phone: 503-224-5055

[illegible]

**Special Instructions:** Short Turn, per JH discussions with S. Cowan.

Preum: SD Final: 10D

**SAMPLES TRANSFERRED FROM**

CHAIN OF CUSTODY #

09/26/13-0003

[illegible]

**Client:** Dynamac  
1202 Executive Drive West  
Richardson, TX 75081

**Report Number:** 131998R02  
**Report Date:** 12/23/2013

**Job Number:** 131998

**P.O. No:** n/a

**Project Name:** Southwest Vermiculite\_February

**Project Number:** 09-26-13-0003

**Project Notes:**

<b>Client Sample ID:</b>		AA-019-01		<b>Sample ID:</b>		S1		<b>Date Analyzed:</b>		10/08/2013	
<b>Client Sample Description:</b>		AA-019		<b>Analyst:</b>		Stephanie Golden					
<b><u>Asbestos Mineral Fibers</u></b>		Layer								<b>Percent Asbestos:</b>	
		Percent:		Chrysotile		Amosite		Crocidolite			
<b>Homogeneous</b>								<b>Point Count: 1</b>		<b>Point Count Fields: 400</b>	
fine powder, brown		100 %		-		-		-		Libby 0.25 %	
								Amphibole-		<b>0.25 %</b>	
<b><u>Other Fibers</u></b>		Fibrous		Mineral							
		Glass		Wool		Synthetic		Other		Matrix	
		Cellulose		-		-		-		-	
		1 %		-		-		-		98.75 %	

<b>Client Sample ID:</b> AA-019-16		<b>Sample ID:</b> S2			<b>Date Analyzed:</b> 10/08/2013	
<b>Client Sample Description:</b> AA-019		<b>Analyst:</b> Stephanie Golden				
<b>Asbestos Mineral Fibers</b>	Layer					<b>Percent Asbestos:</b>
	Percent:	Chrysotile	Amosite	Crocidolite		
<b>Homogeneous</b>					<b>Point Count: 3</b>	<b>Point Count Fields: 400</b>
fine powder, brown	100 %	-	-	-	Libby 0.75 %	<b>0.75 %</b>
					Amphibole-	
<b>Other Fibers</b>	Fibrous		Mineral			
	Glass	Cellulose	Wool	Synthetic	Other	Matrix
	-	0.75 %	-	-	-	98.5 %

<b>Client Sample ID:</b> AA-020-01		<b>Sample ID:</b> S3			<b>Date Analyzed:</b> 10/08/2013	
<b>Client Sample Description:</b> AA-020		<b>Analyst:</b> Stephanie Golden				
<b><u>Asbestos Mineral Fibers</u></b>	Layer					<b>Percent Asbestos:</b>
	Percent:	Chrysotile	Amosite	Crocidolite		
<b>Homogeneous</b>					<b>Point Count:</b> 0	<b>Point Count Fields:</b> 400
fine powder, brown	100 %	-	-	-		<b>NAD</b>
<b><u>Other Fibers</u></b>	Fibrous		Mineral			
	Glass	Cellulose	Wool	Synthetic	Other	Matrix
	0.25 %	0.75 %	-	-	-	99 %

<b>Client Sample ID:</b> AA-020-16		<b>Sample ID:</b> S4			<b>Date Analyzed:</b> 10/08/2013	
<b>Client Sample Description:</b> AA-020		<b>Analyst:</b> Stephanie Golden				
<b><u>Asbestos Mineral Fibers</u></b>	Layer					<b>Percent Asbestos:</b>
	Percent:	Chrysotile	Amosite	Crocidolite		
<b>Homogeneous</b>					<b>Point Count:</b> 0	<b>Point Count Fields:</b> 400
fine powder, brown	100 %	-	-	-		<b>NAD</b>
<b><u>Other Fibers</u></b>	Fibrous		Mineral			
	Glass	Cellulose	Wool	Synthetic	Other	Matrix
	-	0.5 %	-	-	-	99.5 %

**Job Number: 131998**

**Report Number: 131998R02**

**Report Date: 12/23/2013**

<b>Client Sample ID:</b> AA-021-16		<b>Sample ID:</b> S5		<b>Date Analyzed:</b> 10/08/2013	
<b>Client Sample Description:</b> AA-021				<b>Analyst:</b> Stephanie Golden	
<b>Asbestos Mineral Fibers</b>				<b>Percent Asbestos:</b>	
	Layer				
	Percent:	Chrysotile	Amosite	Crocidolite	
<b>Homogeneous</b>				<b>Point Count: 0</b>	<b>Point Count Fields: 400</b>
fine powder, brown	100 %	-	-	-	<b>NAD</b>
<b>Other Fibers</b>					
	Fibrous	Mineral			
	Glass	Wool	Synthetic	Other	Matrix
	-	0.25 %	-	-	99.75 %

This laboratory participates in the National Voluntary Laboratory Accreditation Program (NVLAP).  
Testing method is per 40 CFR 763 Subpart F, Appendix A, PLM.

Layered samples are considered non-homogeneous. "Misc" is miscellaneous. "NAD" is No Asbestos Detected.  
Asbestos consists of the following minerals: chrysotile, amosite, crocidolite, tremolite, actinolite, anthophyllite.  
Small diameter fibers such as those found in vinyl floor tiles, may not be detected by PLM.  
Asbestos detection interferences may result from material binders.  
Qualitative and quantitative TEM analysis may be recommended for difficult samples.  
Quantitative analysis by PLM point count or TEM is recommended for samples testing at < or = to 1% asbestos.  
The following estimate of error for this method by visual estimation of asbestos percent are as follows:  
1% asbestos: 0-3% error, 5% asbestos: 1-9% error, 10% asbestos: 5-15% error, 20% asbestos: 10-30% error.  
This report pertains only to the samples listed on the report. Report considered valid only when signed by analyst.

**Reviewed by:**

  
X

**Stephanie Golden**  
**Analyst**