



215 SW 153rd Street Burien, WA 98166
OFFICE: (206) 988-1746 FAX: (206) 988-1978
EMAIL: Rmelgoza@bridgeband.com
NVLAP Lab Code: 200511-0

7/24/2015

Mark Oliver

Northern Industrial Hygiene, Inc.
201 South 30th Street
Billings, MT 59101-

RE: Bulk Asbestos Fiber Analysis; Batch # 15-00720

Project Location *VA Sheridan - Bldg. 86*

Dear Mark Oliver,

Thank you for choosing Northern Industrial Hygiene, Inc. as your laboratory. Enclosed you will find analytical results for the bulk samples submitted to the laboratory.

Northern Industrial Hygiene is accredited by NVLAP Lab Code: 200511-0. Accreditation by NVLAP does not indicate endorsement by NVLAP or any other government agency. All bulk samples are analyzed in accordance with U.S. EPA Method -600/M4-82-020, December 1982 and EPA Method 600/R-93-116, July 1993. "Method for Determination of Asbestos in Bulk Building Materials"(NESHAP, 40 CFR-Part 61) protocol.

Analysis is cross checked through our inter or intra laboratory quality assurance program for verification. The percent values reported are based on calibrated visual estimates by volume unless verification by Point Count is indicated. Test results reported relate only to the samples submitted by the customer to Northern Industrial Hygiene, Inc. Trace amounts of asbestos are below the limit of detection and asbestos fibers with diameters below approximately 0.25 micrometers are not detectable with the Polarized Light Microscopy (PLM) analytical procedure. A trace amount of asbestos is defined as one to five fibers in three slide mounts. Asbestos found in this amount will be reported as "< 1.0%" by PLM analysis.

This report is highly confidential and shall not be reproduced without your written approval and the written approval of Northern Industrial Hygiene, Inc.

Samples are archived for thirty (30) days following analysis. Please contact us if samples need to be archived longer than the standard holding time.

Thank you for using Northern Industrial Hygiene, Inc. If you have any questions or concerns please contact us.

Sincerely,

Reviewed by: Rachel Melgoza

Enclosure: Bulk Sample Results

Bulk Asbestos Analysis Report

Northern Industrial Hygiene, Inc.

201 South 30th Street

Billings, MT 59101-

Project Location: VA Sheridan - Bldg. 86

NIH Batch Number: 15-00720

Client Job Number: 999-2898

Turn Around Time: 5 Day

Samples Analyzed: 18

Client Sample Number:	F2.1A	Lab Sample Number:	15-00720.0001
Client Sample Description:	12" Vinyl Floor Tile - Beige Mottled		
Client Sample Location:	285		
Sample Comments:	Checked If Sample Not Analyzed <input type="checkbox"/>		

Layer 1 White fibrous powdery material with debris

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	5% Cellulose	90% Filler and Binder
	2% Synthetic	3% Misc. Materials

Comments: Materials distinguishable but inseparable

Layer 2 Beige and white streaked vinyl

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	1% Cellulose	25% Aggregate
		74% Vinyl Filler and Binder

Layer 3 Yellow brittle adhesive

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	1% Cellulose	99% Filler and Binder

Client Sample Number:	F2.1B	Lab Sample Number:	15-00720.0002
Client Sample Description:	12" Vinyl Floor Tile - Beige Mottled		
Client Sample Location:	296		
Sample Comments:	Checked If Sample Not Analyzed <input type="checkbox"/>		

Layer 1 White fibrous papery material with white fibrous powdery material and debris

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	15% Cellulose	80% Filler and Binder
	3% Synthetic	2% Misc. Materials

Comments: Materials distinguishable but inseparable

Layer 2 Beige and white streaked vinyl

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	1% Cellulose	25% Aggregate
		74% Vinyl Filler and Binder

(Sample results continued on next page.)

Sampled by: Mark Oliver

Received by: Regina Mirabal

Analyzed by: Cherie Zeledon

7/15/2015

7/17/2015

7/22/2015

Rachel Melgoza

Reviewed 7/24/2015 by: Rachel Melgoza

Bulk Asbestos Analysis Report

Northern Industrial Hygiene, Inc.

201 South 30th Street

Billings, MT 59101-

Project Location: VA Sheridan - Bldg. 86

NIH Batch Number: 15-00720

Client Job Number: 999-2898

Turn Around Time: 5 Day

Samples Analyzed: 18

Layer 3 Yellow adhesive with white powder residue

Asbestos Fibrous Components:

No Asbestos Detected

Non-Asbestos Fibrous Components:

2% Cellulose

Non-Fibrous Components:

98% Filler and Binder

Comments: Materials distinguishable but inseparable

Client Sample Number: F2.1C

Lab Sample Number: 15-00720.0003

Client Sample Description: 12" Vinyl Floor Tile - Beige Mottled

Client Sample Location: 278

Sample Comments:

Checked If Sample Not Analyzed ☐

Layer 1 White fibrous powdery material with debris and clear brittle adhesive

Asbestos Fibrous Components:

No Asbestos Detected

Non-Asbestos Fibrous Components:

5% Cellulose

1% Fiberglass

2% Synthetic

Non-Fibrous Components:

90% Filler and Binder

2% Misc. Materials

Layer 2 Beige and white streaked vinyl

Asbestos Fibrous Components:

No Asbestos Detected

Non-Asbestos Fibrous Components:

1% Cellulose

Non-Fibrous Components:

25% Aggregate

74% Vinyl Filler and Binder

Layer 3 Yellow adhesive with white powder residue

Asbestos Fibrous Components:

No Asbestos Detected

Non-Asbestos Fibrous Components:

1% Cellulose

1% Fiberglass

Non-Fibrous Components:

98% Filler and Binder

Comments: Materials distinguishable but inseparable

Client Sample Number: F2.3A

Lab Sample Number: 15-00720.0004

Client Sample Description: 12" Vinyl Floor Tile - Tan W/Brown

Client Sample Location: 111

Sample Comments: Insufficient material for analysis - Returned to client as requested

Checked If Sample Not Analyzed ☒

Client Sample Number: F2.3B

Lab Sample Number: 15-00720.0005

Client Sample Description: 12" Vinyl Floor Tile - Tan W/Brown

Client Sample Location: 111

Sample Comments: Insufficient material for analysis - Returned to client as requested

Checked If Sample Not Analyzed ☒

(Sample results continued on next page.)

Sampled by: Mark Oliver

Received by: Regina Mirabal

Analyzed by: Cherie Zeledon

7/15/2015

7/17/2015

7/22/2015

Rachel Melgoza

Reviewed 7/24/2015 by: Rachel Melgoza

Bulk Asbestos Analysis Report

Northern Industrial Hygiene, Inc.

201 South 30th Street

Billings, MT 59101-

Project Location: VA Sheridan - Bldg. 86

NIH Batch Number: 15-00720

Client Job Number: 999-2898

Turn Around Time: 5 Day

Samples Analyzed: 18

Client Sample Number:	F2.3C	Lab Sample Number:	15-00720.0006
Client Sample Description:	12" Vinyl Floor Tile - Tan W/Brown		
Client Sample Location:	111		
Sample Comments:	Insufficient material for analysis - Returned to client as requested	Checked If Sample Not Analyzed	<input checked="" type="checkbox"/>

Client Sample Number:	F2.4A	Lab Sample Number:	15-00720.0007
Client Sample Description:	12" Vinyl Floor Tile - Green W/White Streaks		
Client Sample Location:	113		
Sample Comments:		Checked If Sample Not Analyzed	<input type="checkbox"/>

Layer 1 Green and white streaked vinyl

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	2% Cellulose	30% Aggregate
		68% Vinyl Filler and Binder

Layer 2 Black mastic with white powder residue

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	2% Cellulose	80% Asphalt Filler and Binder
	1% Synthetic	17% Filler and Binder

Comments: Materials distinguishable but inseparable

Client Sample Number:	F2.4B	Lab Sample Number:	15-00720.0008
Client Sample Description:	12" Vinyl Floor Tile - Green W/White Streaks		
Client Sample Location:	113		
Sample Comments:		Checked If Sample Not Analyzed	<input type="checkbox"/>

Layer 1 Green and white streaked vinyl

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	1% Cellulose	30% Aggregate
		69% Vinyl Filler and Binder

Layer 2 Black mastic with white powder residue

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	3% Cellulose	82% Asphalt Filler and Binder
	1% Synthetic	14% Filler and Binder

Comments: Materials distinguishable but inseparable

(Sample results continued on next page.)

Sampled by: Mark Oliver

Received by: Regina Mirabal

Analyzed by: Cherie Zeledon

7/15/2015

7/17/2015

7/22/2015

Rachel Melgoza

Reviewed 7/24/2015 by: Rachel Melgoza

Bulk Asbestos Analysis Report

Northern Industrial Hygiene, Inc.

201 South 30th Street

Billings, MT 59101-

Project Location: VA Sheridan - Bldg. 86

NIH Batch Number: 15-00720

Client Job Number: 999-2898

Turn Around Time: 5 Day

Samples Analyzed: 18

Client Sample Number:	F2.4C	Lab Sample Number: 15-00720.0009
Client Sample Description:	12" Vinyl Floor Tile - Green W/White Streaks	
Client Sample Location:	113	
Sample Comments:	Checked If Sample Not Analyzed <input type="checkbox"/>	

Layer 1 Green and white streaked vinyl

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	2% Cellulose	30% Aggregate
		68% Vinyl Filler and Binder

Layer 2 Black mastic with white powder residue

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	2% Cellulose	78% Asphalt Filler and Binder
	1% Synthetic	19% Filler and Binder

Comments: Materials distinguishable but inseparable

Client Sample Number:	F2.5A	Lab Sample Number: 15-00720.0010
Client Sample Description:	12" Vinyl Floor Tile - Rose Pink W/White Streaks	
Client Sample Location:	115	
Sample Comments:	Checked If Sample Not Analyzed <input type="checkbox"/>	

Layer 1 Light pink with white streaked vinyl

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
2% Chrysotile Asbestos	1% Cellulose	30% Aggregate
		67% Vinyl Filler and Binder

Layer 2 Black mastic

Asbestos Fibrous Components:	Non-Asbestos Fibrous Components:	Non-Fibrous Components:
No Asbestos Detected	2% Cellulose	97% Asphalt Filler and Binder
	1% Synthetic	

Client Sample Number:	F2.5B	Lab Sample Number: 15-00720.0011
Client Sample Description:	12" Vinyl Floor Tile - Rose Pink W/White Streaks	
Client Sample Location:	115	
Sample Comments:	Checked If Sample Not Analyzed <input type="checkbox"/>	

(Sample results continued on next page.)

Sampled by: Mark Oliver
Received by: Regina Mirabal
Analyzed by: Cherie Zeledon

7/15/2015
7/17/2015
7/23/2015

Rachel Melgoza

Reviewed 7/24/2015 by: Rachel Melgoza

Bulk Asbestos Analysis Report

Northern Industrial Hygiene, Inc.

201 South 30th Street

Billings, MT 59101-

Project Location: VA Sheridan - Bldg. 86

NIH Batch Number: 15-00720

Client Job Number: 999-2898

Turn Around Time: 5 Day

Samples Analyzed: 18

Layer 1 Light pink with white streaked vinyl

Asbestos Fibrous Components:

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

Not Analyzed Per Client

Comments: Not Analyzed Per Client Request

Layer 2 Black mastic

Asbestos Fibrous Components:

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

No Asbestos Detected

2% Cellulose

97% Asphalt Filler and Binder

1% Synthetic

Client Sample Number: F2.5C

Lab Sample Number: 15-00720.0012

Client Sample Description: 12" Vinyl Floor Tile - Rose Pink W/White Streaks

Client Sample Location: 115

Sample Comments:

Checked If Sample Not Analyzed ☐

Layer 1 Light pink with white streaked vinyl

Asbestos Fibrous Components:

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

Not Analyzed Per Client

Comments: Not Analyzed Per Client Request

Layer 2 Black mastic

Asbestos Fibrous Components:

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

No Asbestos Detected

2% Cellulose

97% Asphalt Filler and Binder

1% Synthetic

Client Sample Number: F2.6A

Lab Sample Number: 15-00720.0013

Client Sample Description: 12" Vinyl Floor Tile - Dark Brown W/Tan Streaks

Client Sample Location: 103A

Sample Comments:

Checked If Sample Not Analyzed ☐

(Sample results continued on next page.)

Sampled by: Mark Oliver

7/15/2015

Received by: Regina Mirabal

7/17/2015

Analyzed by: Cherie Zeledon

7/23/2015

Rachel Melgoza

Reviewed 7/24/2015 by: Rachel Melgoza

Bulk Asbestos Analysis Report

Northern Industrial Hygiene, Inc.

201 South 30th Street

Billings, MT 59101-

Project Location: VA Sheridan - Bldg. 86

NIH Batch Number: 15-00720

Client Job Number: 999-2898

Turn Around Time: 5 Day

Samples Analyzed: 18

Layer 1 Gray and white fibrous powdery material with debris

Asbestos Fibrous Components:

No Asbestos Detected

Non-Asbestos Fibrous Components:

4% Cellulose

1% Fiberglass

2% Synthetic

Non-Fibrous Components:

91% Filler and Binder

2% Misc. Materials

Comments: Materials distinguishable but inseparable

Layer 2 Beige, tan, brown and blue streaked vinyl

Asbestos Fibrous Components:

No Asbestos Detected

Non-Asbestos Fibrous Components:

1% Cellulose

Non-Fibrous Components:

20% Aggregate

79% Vinyl Filler and Binder

Layer 3 Yellow adhesive material

Asbestos Fibrous Components:

No Asbestos Detected

Non-Asbestos Fibrous Components:

3% Cellulose

1% Fiberglass

Non-Fibrous Components:

96% Filler and Binder

Client Sample Number: F2.6B

Lab Sample Number: 15-00720.0014

Client Sample Description: 12" Vinyl Floor Tile - Dark Brown W/Tan Streaks

Client Sample Location: 103A

Sample Comments:

Checked If Sample Not Analyzed ☐

Layer 1 Gray and white powdery fibrous material with white semi-flexible non-fibrous material and debris

Asbestos Fibrous Components:

No Asbestos Detected

Non-Asbestos Fibrous Components:

4% Cellulose

2% Synthetic

Non-Fibrous Components:

92% Filler and Binder

2% Misc. Materials

Comments: Materials distinguishable but inseparable

Layer 2 Beige, tan, brown and blue streaked vinyl

Asbestos Fibrous Components:

No Asbestos Detected

Non-Asbestos Fibrous Components:

1% Cellulose

Non-Fibrous Components:

20% Aggregate

79% Vinyl Filler and Binder

Layer 3 Yellow adhesive material

Asbestos Fibrous Components:

No Asbestos Detected

Non-Asbestos Fibrous Components:

2% Cellulose

1% Synthetic

Non-Fibrous Components:

97% Filler and Binder

(Sample results continued on next page.)

Sampled by: Mark Oliver

Received by: Regina Mirabal

Analyzed by: Cherie Zeledon

7/15/2015

7/17/2015

7/22/2015

Rachel Melgoza

Reviewed 7/24/2015 by: Rachel Melgoza

Bulk Asbestos Analysis Report

Northern Industrial Hygiene, Inc.

201 South 30th Street

Billings, MT 59101-

Project Location: VA Sheridan - Bldg. 86

NIH Batch Number: 15-00720

Client Job Number: 999-2898

Turn Around Time: 5 Day

Samples Analyzed: 18

Client Sample Number: F2.6C

Lab Sample Number: 15-00720.0015

Client Sample Description: 12" Vinyl Floor Tile - Dark Brown W/Tan Streaks

Client Sample Location: 103A

Sample Comments:

Checked If Sample Not Analyzed ☐

Layer 1 Red sticky material

Asbestos Fibrous Components:

No Asbestos Detected

Non-Asbestos Fibrous Components:

2% Cellulose
2% Fiberglass
1% Synthetic

Non-Fibrous Components:

95% Filler and Binder

Layer 2 Beige, tan, brown and blue streaked vinyl

Asbestos Fibrous Components:

No Asbestos Detected

Non-Asbestos Fibrous Components:

1% Cellulose

Non-Fibrous Components:

20% Aggregate
79% Vinyl Filler and Binder

Layer 3 Yellow adhesive material and white powder residue

Asbestos Fibrous Components:

No Asbestos Detected

Non-Asbestos Fibrous Components:

1% Cellulose
1% Synthetic

Non-Fibrous Components:

98% Filler and Binder

Comments: Materials distinguishable but inseparable

Client Sample Number: F2.7A

Lab Sample Number: 15-00720.0016

Client Sample Description: 12" Vinyl Floor Tile - Teal W/Cream & Dark Teal Streaks

Client Sample Location: 007

Sample Comments:

Checked If Sample Not Analyzed ☐

Layer 1 Gray brittle material with fibrous powdery residue and debris

Asbestos Fibrous Components:

No Asbestos Detected

Non-Asbestos Fibrous Components:

7% Cellulose
1% Fiberglass
1% Synthetic

Non-Fibrous Components:

89% Filler and Binder
2% Misc. Materials

Comments: Materials distinguishable but inseparable

Layer 2 Blue-green with white streaked vinyl

Asbestos Fibrous Components:

2% Chrysotile Asbestos

Non-Asbestos Fibrous Components:

1% Cellulose

Non-Fibrous Components:

20% Aggregate
77% Vinyl Filler and Binder

(Sample results continued on next page.)

Sampled by: Mark Oliver

Received by: Regina Mirabal

Analyzed by: Cherie Zeledon

7/15/2015

7/17/2015

7/23/2015

Rachel Melgoza

Reviewed 7/24/2015 by: Rachel Melgoza

Bulk Asbestos Analysis Report

Northern Industrial Hygiene, Inc.

201 South 30th Street

Billings, MT 59101-

Project Location: VA Sheridan - Bldg. 86

NIH Batch Number: 15-00720

Client Job Number: 999-2898

Turn Around Time: 5 Day

Samples Analyzed: 18

Layer 3 Black mastic with white residue

Asbestos Fibrous Components:

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

4% Chrysotile Asbestos

2% Cellulose

34% Asphalt Filler and Binder

60% Filler and Binder

Comments: Materials distinguishable but inseparable

Client Sample Number: F2.7B

Lab Sample Number: 15-00720.0017

Client Sample Description: 12" Vinyl Floor Tile - Teal W/Cream & Dark Teal Streaks

Client Sample Location: 007

Sample Comments:

Checked If Sample Not Analyzed ☐

Layer 1 Gray brittle material with fibrous powdery residue and debris

Asbestos Fibrous Components:

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

No Asbestos Detected

3% Cellulose

95% Filler and Binder

1% Fiberglass

1% Misc. Materials

Comments: Materials distinguishable but inseparable

Layer 2 Blue-green with white streaked vinyl

Asbestos Fibrous Components:

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

Not Analyzed Per Client

Comments: Not Analyzed Per Client Request

Layer 3 Black mastic with white residue

Asbestos Fibrous Components:

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

Not Analyzed Per Client

Comments: Not Analyzed Per Client Request

Client Sample Number: F2.7C

Lab Sample Number: 15-00720.0018

Client Sample Description: 12" Vinyl Floor Tile - Teal W/Cream & Dark Teal Streaks

Client Sample Location: 007

Sample Comments:

Checked If Sample Not Analyzed ☐

(Sample results continued on next page.)

Sampled by: Mark Oliver

7/15/2015

Received by: Regina Mirabal

7/17/2015

Analyzed by: Cherie Zeledon

7/23/2015

Rachel Melgoza

Reviewed 7/24/2015 by: Rachel Melgoza

Bulk Asbestos Analysis Report

Northern Industrial Hygiene, Inc.

201 South 30th Street

Billings, MT 59101-

Project Location: VA Sheridan - Bldg. 86

NIH Batch Number: 15-00720

Client Job Number: 999-2898

Turn Around Time: 5 Day

Samples Analyzed: 18

Layer 1 Gray brittle material with fibrous powdery residue and debris

Asbestos Fibrous Components:

No Asbestos Detected

Non-Asbestos Fibrous Components:

2% Cellulose

1% Synthetic

Non-Fibrous Components:

96% Filler and Binder

1% Misc. Materials

Comments: Materials distinguishable but inseparable

Layer 2 Blue-green with white streaked vinyl

Asbestos Fibrous Components:

Not Analyzed Per Client

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

Comments: Not Analyzed Per Client Request

Layer 3 Black mastic with white residue

Asbestos Fibrous Components:

Not Analyzed Per Client

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

Comments: Not Analyzed Per Client Request

Client Sample Number: F2.8A

Client Sample Description: 12" Vinyl Floor Tile - Tan/White/Salmon Mottled

Client Sample Location: 023A

Sample Comments:

Lab Sample Number: 15-00720.0019

Checked If Sample Not Analyzed ☐

Layer 1 Gray brittle material with fibrous powdery residue and debris

Asbestos Fibrous Components:

No Asbestos Detected

Non-Asbestos Fibrous Components:

3% Cellulose

1% Fiberglass

1% Synthetic

Non-Fibrous Components:

94% Filler and Binder

1% Misc. Materials

Comments: Materials distinguishable but inseparable

Layer 2 Light pink with white streaked vinyl

Asbestos Fibrous Components:

No Asbestos Detected

Non-Asbestos Fibrous Components:

1% Cellulose

Non-Fibrous Components:

32% Aggregate

67% Vinyl Filler and Binder

Layer 3 Yellow brittle adhesive with brown and white powder residue

Asbestos Fibrous Components:

No Asbestos Detected

Non-Asbestos Fibrous Components:

4% Cellulose

1% Synthetic

Non-Fibrous Components:

95% Filler and Binder

Comments: Materials distinguishable but inseparable

(Sample results continued on next page.)

Sampled by: Mark Oliver

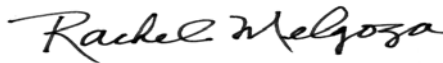
Received by: Regina Mirabal

Analyzed by: Cherie Zeledon

7/15/2015

7/17/2015

7/24/2015



Reviewed 7/24/2015 by: Rachel Melgoza

Bulk Asbestos Analysis Report

Northern Industrial Hygiene, Inc.

201 South 30th Street

Billings, MT 59101-

Project Location: VA Sheridan - Bldg. 86

NIH Batch Number: 15-00720

Client Job Number: 999-2898

Turn Around Time: 5 Day

Samples Analyzed: 18

Client Sample Number: F2.8B

Lab Sample Number: 15-00720.0020

Client Sample Description: 12" Vinyl Floor Tile - Tan/White/Salmon Mottled

Client Sample Location: 023A

Sample Comments:

Checked If Sample Not Analyzed ☐

Layer 1 Gray brittle material with fibrous powdery residue and debris

Asbestos Fibrous Components:

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

No Asbestos Detected

3% Cellulose

95% Filler and Binder

1% Synthetic

1% Misc. Materials

Comments: Materials distinguishable but inseparable

Layer 2 Light pink with white streaked vinyl

Asbestos Fibrous Components:

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

No Asbestos Detected

1% Cellulose

32% Aggregate

67% Vinyl Filler and Binder

Layer 3 Yellow brittle adhesive

Asbestos Fibrous Components:

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

Not Analyzed Per Client

Comments: Insufficient material for analysis - less than residue amount

Client Sample Number: F2.8C

Lab Sample Number: 15-00720.0021

Client Sample Description: 12" Vinyl Floor Tile - Tan/White/Salmon Mottled

Client Sample Location: 023A

Sample Comments:

Checked If Sample Not Analyzed ☐

Layer 1 Gray brittle material with fibrous powdery residue and debris

Asbestos Fibrous Components:

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

No Asbestos Detected

2% Cellulose

96% Filler and Binder

1% Synthetic

1% Misc. Materials

Comments: Materials distinguishable but inseparable

Layer 2 Light pink with white streaked vinyl

Asbestos Fibrous Components:

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

No Asbestos Detected

1% Cellulose

32% Aggregate

67% Vinyl Filler and Binder

(Sample results continued on next page.)

Sampled by: Mark Oliver

7/15/2015

Received by: Regina Mirabal

7/17/2015

Analyzed by: Cherie Zeledon

7/24/2015

Rachel Melgoza

Reviewed 7/24/2015 by: Rachel Melgoza



215 SW 153rd Street Burien, WA 98166
OFFICE: (206) 988-1746 FAX: (206) 988-1978
NVLAP Lab Code: 200511-0

Bulk Asbestos Analysis Report

Northern Industrial Hygiene, Inc.

201 South 30th Street

Billings, MT 59101-

Project Location: VA Sheridan - Bldg. 86

NIH Batch Number: 15-00720

Client Job Number: 999-2898

Turn Around Time: 5 Day

Samples Analyzed: 18

Layer 3 Yellow adhesive with loose fibers and white powder residue and debris

Asbestos Fibrous Components:

No Asbestos Detected

Non-Asbestos Fibrous Components:

4% Cellulose

1% Synthetic

Non-Fibrous Components:

93% Filler and Binder

2% Misc. Materials

Comments: Materials distinguishable but inseparable

Sampled by: Mark Oliver

Received by: Regina Mirabal

Analyzed by: Cherie Zeledon

7/15/2015

7/17/2015

7/24/2015

Reviewed 7/24/2015 by: Rachel Melgoza

Chain of Custody

NVLAP Lab Code 200511-0

Northern Industrial Hygiene, Inc.

201 South 30th Street

Billings, MT 59101

Office Phone: (406) 245-7766

Cell Phone: (406) 670-5581

Email: moliver@bridgeband.com

Inspector/Contact: Mark Oliver

NIH Lab Batch ID:	(S - 00720)
Project Name:	VA Sheridan - Bldg 86
Project Number:	999-2898
Date Samples Taken:	7/15/15
Type of Analysis:	RIM

Turnaround Time Requested	
2 Hour:	
Same Day:	
24 Hour:	
48 Hour:	
5 Day:	X
10 Day:	

For Lab Use Only	
Sample(s) Size:	Accepted <input checked="" type="checkbox"/> Rejected (3) <input checked="" type="checkbox"/>
Non-Conformance Memo:	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>
Package Condition:	Good <input checked="" type="checkbox"/> Damaged <input type="checkbox"/> Severe Damage <input type="checkbox"/>

Page 1 of 1

NIH LAB ID	SAMPLE #	SAMPLE DESCRIPTION	SAMPLE LOCATION
1	F2.1A	12" v.f.t. beige mottled	285
2	B	↓ ↓ ↓ ↓ ↓	296
3	C	↓ ↓ ↓ ↓ ↓	278
4	F2.3A	12" v.f.t. tan w/ brown	111
5	B	mottled ↓ ↓ ↓ ↓ ↓	111
6	C	↓ ↓ ↓ ↓ ↓	111
7	F2.4A	12" v.f.t. w/ brown xt	113
8	B	green w/ white streaks	113
9	C	↓ ↓ ↓ ↓ ↓	113
10	F2.5A	12" v.f.t. rose pink	115
11	B	w/ white streaks ↓	115
12	C	↓ ↓ ↓ ↓ ↓	115
13	F2.6A	12" v.f.t. dark brown w/	103A
14	B	tan streaks ↓	103A
15	C	↓ ↓ ↓ ↓ ↓	103A
16	F2.7A	12" v.f.t. teal w/	007
17	B	cream & dark teal	↓ ↓ ↓ ↓ ↓
18	C	streaks ↓ ↓ ↓ ↓ ↓	↓ ↓ ↓ ↓ ↓
19	F2.8A	12" v.f.t. tan/white/schwan	023A
20	B	mottled ↓ ↓ ↓ ↓ ↓	↓ ↓ ↓ ↓ ↓
21	C	↓ ↓ ↓ ↓ ↓	↓ ↓ ↓ ↓ ↓

Special Instructions: Analyze Group Method - Stop at First Positive <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Number of samples shipped this page: 21			
Total number of samples shipped: 21			

Relinquished By: <i>Ken Y</i>	Date: 7/16/15	Time: 5:00	Firm: NIH
Received By: <i>Debra M...</i>	Date: 7/17/15	Time: 1:45	Firm: NIH Bldg 86
Analyzed By: <i>Chene Zeldon</i>	Date: 7/22/15	Time: 12:12	Firm: NIH Bldg 86



215 SW 153rd Street Burien, WA 98166
OFFICE: (206) 988-1746 FAX: (206) 988-1978
EMAIL: Rmelgoza@bridgeband.com
NVLAP Lab Code: 200511-0

9/12/2015

Mark Oliver

Northern Industrial Hygiene, Inc.
201 South 30th Street
Billings, MT 59101-

RE: Bulk Asbestos Fiber Analysis; Batch # 15-00941
Project Location *Sheridan VA - Building 86*

Dear Mark Oliver,

Thank you for choosing Northern Industrial Hygiene, Inc. as your laboratory. Enclosed you will find analytical results for the bulk samples submitted to the laboratory.

Northern Industrial Hygiene is accredited by NVLAP Lab Code: 200511-0. Accreditation by NVLAP does not indicate endorsement by NVLAP or any other government agency. All bulk samples are analyzed in accordance with U.S. EPA Method -600/M4-82-020, December 1982 and EPA Method 600/R-93-116, July 1993. "Method for Determination of Asbestos in Bulk Building Materials"(NESHAP, 40 CFR-Part 61) protocol.

Analysis is cross checked through our inter or intra laboratory quality assurance program for verification. The percent values reported are based on calibrated visual estimates by volume unless verification by Point Count is indicated. Test results reported relate only to the samples submitted by the customer to Northern Industrial Hygiene, Inc. Trace amounts of asbestos are below the limit of detection and asbestos fibers with diameters below approximately 0.25 micrometers are not detectable with the Polarized Light Microscopy (PLM) analytical procedure. A trace amount of asbestos is defined as one to five fibers in three slide mounts. Asbestos found in this amount will be reported as "< 1.0%" by PLM analysis.

This report is highly confidential and shall not be reproduced without your written approval and the written approval of Northern Industrial Hygiene, Inc.

Samples are archived for thirty (30) days following analysis. Please contact us if samples need to be archived longer than the standard holding time.

Thank you for using Northern Industrial Hygiene, Inc. If you have any questions or concerns please contact us.

Sincerely,

Reviewed by: Jude Cummings

Enclosure: Bulk Sample Results



215 SW 153rd Street Burien, WA 98166

OFFICE: (206) 988-1746 FAX: (206) 988-1978

NVLAP Lab Code: 200511-0

Bulk Asbestos Analysis Report

Northern Industrial Hygiene, Inc.

201 South 30th Street

Billings, MT 59101-

Project Location: Sheridan VA - Building 86

NIH Batch Number: 15-00941

Client Job Number: 999-2898

Turn Around Time: 5 Day

Samples Analyzed: 3

Client Sample Number: F2.3A
Client Sample Description: 12"x12" Floor Tile - Tan W/Brown Mottled
Client Sample Location: Room 111
Sample Comments:

Lab Sample Number: 15-00941.0001

Checked If Sample Not Analyzed ☐

Layer 1 White vinyl with off-white streaks

Asbestos Fibrous Components:

No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

30% Aggregate

70% Vinyl Filler and Binder

Layer 2 Orange opaque mastic

Asbestos Fibrous Components:

No Asbestos Detected

Non-Asbestos Fibrous Components:

5% Cellulose

Non-Fibrous Components:

95% Filler and Binder

Client Sample Number: F2.3B
Client Sample Description: 12"x12" Floor Tile - Tan W/Brown Mottled
Client Sample Location: Room 111
Sample Comments:

Lab Sample Number: 15-00941.0002

Checked If Sample Not Analyzed ☐

Layer 1 White vinyl with off-white streaks

Asbestos Fibrous Components:

No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

30% Aggregate

70% Vinyl Filler and Binder

Layer 2 White compressed powdery material with yellow opaque residue

Asbestos Fibrous Components:

No Asbestos Detected

Non-Asbestos Fibrous Components:

1% Cellulose

Non-Fibrous Components:

99% Filler and Binder

Client Sample Number: F2.3C
Client Sample Description: 12"x12" Floor Tile - Tan W/Brown Mottled
Client Sample Location: Room 111
Sample Comments:

Lab Sample Number: 15-00941.0003

Checked If Sample Not Analyzed ☐

(Sample results continued on next page.)

Sampled by: Mark Oliver

9/8/2015

Received by: Regina Mirabal

9/10/2015

Analyzed by: Jude Cummings

9/12/2015

Reviewed 9/12/2015 by: Jude Cummings



215 SW 153rd Street Burien, WA 98166
OFFICE: (206) 988-1746 FAX: (206) 988-1978
NVLAP Lab Code: 200511-0

Bulk Asbestos Analysis Report

Northern Industrial Hygiene, Inc.

201 South 30th Street

Billings, MT 59101-

Project Location: *Sheridan VA - Building 86*

NIH Batch Number: **15-00941**

Client Job Number: **999-2898**

Turn Around Time: **5 Day**

Samples Analyzed: **3**

Layer 1 **White vinyl with off-white streaks**

Asbestos Fibrous Components:

No Asbestos Detected

Non-Asbestos Fibrous Components:

Non-Fibrous Components:

30% Aggregate

70% Vinyl Filler and Binder

Layer 2 **Orange opaque mastic**

Asbestos Fibrous Components:

No Asbestos Detected

Non-Asbestos Fibrous Components:

2% Cellulose

Non-Fibrous Components:

98% Filler and Binder

Sampled by: Mark Oliver

9/8/2015

Received by: Regina Mirabal

9/10/2015

Analyzed by: Jude Cummings

9/12/2015

Reviewed 9/12/2015 by: Jude Cummings

Chain of Custody

NVLAP Lab Code 200511-0

Northern Industrial Hygiene, Inc.

201 South 30th Street

Billings, MT 59101

Office Phone: (406) 245-7766

Cell Phone: (406) 670-5581

Email: moliver@bridgeband.com

Inspector/Contact: Mark Oliver

NIH Lab Batch ID: 15-00941

Project Name: Sheridan VA - Bldg 86

Project Number: 999-2229

Date Samples Taken: 09-08-15

Type of Analysis: PLM

Turnaround Time Requested

2 Hour:

Same Day:

24 Hour:**48 Hour:**

5 Day:

10 Day:

For Lab Use Only

Sample(s) Size: Accepted Rejected

Non-Conformance Memo: Yes No

Package Condition: Good Damaged Severe Damage

Page 1 of 1[illegible]

Special Instructions: Analyze Group Method - Stop at First Positive Yes ☒ No ☐

Number of samples shipped this page:

Total number of samples shipped:

Relinquished By: W. J. B. 277 1111

Date: 09-09-15 Time: 5 PM

Firm: NIH

Received By: [Signature]

Date: 9-10-15 Time: 1:20

Firm: ALH BWA

Analyzed By: Judith C. Jones

Date: 9.12.15 Time: 09-02

Firm: LAH