



Environmental Hazards Services, L.L.C.

7469 Whitepine Rd

Richmond, VA 23237

Telephone: 800.347.4010

Asbestos Bulk Analysis Report

Report Number: 19-04-04326

Client: ECS Mid-Atlantic - Richmond
2119 D North Hamilton St
Richmond, VA 23230

Received Date: 04/29/2019
Analyzed Date: 04/30/2019, 05/01/2019
Reported Date: 05/02/2019

Project/Test Address: McGuire VAMC New EP Lab; Richmond, VA

Client Number:

200625

Fax Number:

804-353-9478

Laboratory Results

Lab Sample Number <i>Client Sample Number</i>	Layer Type	Lab Gross Description <i>Client Sample Description</i>	Asbestos	Other Materials
19-04-04326-001A 1-1	Tile	White Vinyl; Homogeneous <i>White w/ Gray Smear 12"x12" Floor Tile and Mastic</i>	NAD	100% Non-Fibrous
19-04-04326-001B 1-1	Mastic	Yellow Adhesive; Homogeneous <i>White w/ Gray Smear 12"x12" Floor Tile and Mastic</i>	NAD	100% Non-Fibrous
19-04-04326-002A 1-2	Tile	White Vinyl; Homogeneous <i>White w/ Gray Smear 12"x12" Floor Tile and Mastic</i>	NAD	100% Non-Fibrous
19-04-04326-002B 1-2	Mastic	Yellow/Black Adhesive; Inhomogeneous <i>White w/ Gray Smear 12"x12" Floor Tile and Mastic</i>	2% Chrysotile	98% Non-Fibrous
Total Asbestos: 2%				
Unable to separate mastics.				
19-04-04326-003 2-1		Yellow Adhesive; Homogeneous <i>Vinyl Cove Baseboard Mastic</i>	NAD	100% Non-Fibrous
19-04-04326-004 2-2		Tan Adhesive; Homogeneous <i>Vinyl Cove Baseboard Mastic</i>	NAD	100% Non-Fibrous

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Lab Sample Number <i>Client Sample Number</i>	Layer Type	Lab Gross Description <i>Client Sample Description</i>	Asbestos	Other Materials
19-04-04326-005A 3-1	Tile	Off-White Vinyl; Homogeneous <i>Off-white w/ Brown Smear 12"x12" Floor Tile and Mastic</i>	2% Chrysotile	98% Non-Fibrous
Total Asbestos: 2%				
19-04-04326-005B 3-1	Mastic	Black Adhesive; Homogeneous <i>Off-white w/ Brown Smear 12"x12" Floor Tile and Mastic</i>	4% Chrysotile	96% Non-Fibrous
Total Asbestos: 4%				
19-04-04326-006 4-1		White Chalky; Granular; Brown Fibrous; Inhomogeneous <i>Drywall and Joint Compund</i>	NAD	20% Cellulose 80% Non-Fibrous
19-04-04326-007 4-2		White Chalky; Granular; Brown Fibrous; Inhomogeneous <i>Drywall and Joint Compund</i>	NAD	20% Cellulose 80% Non-Fibrous
19-04-04326-008 5-1		Beige Pliable; Paint-Like; Inhomogeneous <i>Interior Door Caulk</i>	2% Chrysotile	98% Non-Fibrous
Total Asbestos: 2%				
Chrysotile present in beige pliable material.				
19-04-04326-009 5-2		<i>Interior Door Caulk</i>	Did Not Analyze (Positive Stop)	
19-04-04326-010A 6-1	Flooring	Gray/Blue Vinyl; Homogeneous <i>Blue, Gray, White Spec Sheet Flooring</i>	NAD	100% Non-Fibrous
19-04-04326-010B 6-1	Other*	Yellow Adhesive; Gray Granular; Inhomogeneous <i>Blue, Gray, White Spec Sheet Flooring</i>	NAD	100% Non-Fibrous

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*Mastic/Underlayment; Unable to separate layers.				
19-04-04326-011A 6-2	Flooring	White/Purple Vinyl; Homogeneous <i>Blue, Gray, White Spec Sheet Flooring</i>	NAD	100% Non-Fibrous
19-04-04326-011B 6-2	Mastic	Tan Adhesive; Homogeneous <i>Blue, Gray, White Spec Sheet Flooring</i>	NAD	100% Non-Fibrous
19-04-04326-012 7-1		Black Tar-Like; Clear Plastic; Inhomogeneous <i>Black Sink Undercoating</i>	NAD	100% Non-Fibrous
19-04-04326-013 7-2		Black Tar-Like; Homogeneous <i>Black Sink Undercoating</i>	NAD	100% Non-Fibrous
19-04-04326-014A 8-1	Cove Base	Black Vinyl; Homogeneous <i>Black Vinyl Cove Baseboard Mastic</i>	NAD	100% Non-Fibrous
19-04-04326-014B 8-1	Mastic	Yellow Adhesive; Homogeneous <i>Black Vinyl Cove Baseboard Mastic</i>	NAD	100% Non-Fibrous
19-04-04326-015 9-1		Gray Fibrous; White Paint-Like; Inhomogeneous <i>Vinyl Veneer Ceiling Tile</i>	NAD	60% Cellulose 10% Fibrous Glass 30% Non-Fibrous
19-04-04326-016 9-2		Gray Fibrous; White Paint-Like; Inhomogeneous <i>Vinyl Veneer Ceiling Tile</i>	NAD	60% Cellulose 10% Fibrous Glass 30% Non-Fibrous

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19-04-04326-017A <i>10-1</i>	Flooring	White Vinyl; Homogeneous <i>White Sheet Flooring</i>	NAD	100% Non-Fibrous
19-04-04326-017B <i>10-1</i>	Mastic	Yellow Adhesive; Homogeneous <i>White Sheet Flooring</i>	NAD	100% Non-Fibrous
19-04-04326-018 <i>10-2</i>		White Vinyl; Homogeneous <i>White Sheet Flooring</i>	NAD	100% Non-Fibrous
19-04-04326-019 <i>11-1</i>		Green Pliable; Homogeneous <i>Brown Duct Mastic</i>	NAD	100% Non-Fibrous
19-04-04326-020A <i>12-1</i>	Mastic	White Pliable; Homogeneous <i>Fiberglass Pipe Insulation Mastic</i>	NAD	2% Synthetic 98% Non-Fibrous
19-04-04326-020B <i>12-1</i>	Covering/J acket	Brown/White Fibrous; Silver Metallic; Inhomogeneous <i>Fiberglass Pipe Insulation Mastic</i>	NAD	35% Cellulose 15% Fibrous Glass 50% Non-Fibrous
19-04-04326-021A <i>12-2</i>	Covering/J acket	Beige/White Fibrous; Silver Metallic; Inhomogeneous <i>Fiberglass Pipe Insulation Mastic</i>	NAD	40% Cellulose 5% Fibrous Glass 55% Non-Fibrous

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19-04-04326-021B 12-2	Insulation	Yellow Fibrous; Homogeneous <i>Fiberglass Pipe Insulation Mastic</i>	NAD	99% Fibrous Glass 1% Non-Fibrous
19-04-04326-022 13-1		Red Adhesive; Homogeneous <i>Red Duct Mastic</i>	NAD	3% Cellulose 97% Non-Fibrous
19-04-04326-023 13-2		Red Adhesive; Homogeneous <i>Red Duct Mastic</i>	NAD	3% Cellulose 97% Non-Fibrous
19-04-04326-024A 14-1	Mastic I	Yellow Adhesive; Homogeneous <i>Floor Tile and Mastic Beneath Carpet</i>	NAD	100% Non-Fibrous
19-04-04326-024B 14-1	Tile	Cream Vinyl; Homogeneous <i>Floor Tile and Mastic Beneath Carpet</i>	2% Chrysotile	98% Non-Fibrous
Total Asbestos: 2%				
19-04-04326-024C 14-1	Mastic II	Black Adhesive; Homogeneous <i>Floor Tile and Mastic Beneath Carpet</i>	5% Chrysotile	95% Non-Fibrous
Total Asbestos: 5%				
19-04-04326-025A 15-1	Tile	Gray Vinyl; Homogeneous <i>Gray Mottled 12"x12" Floor Tile and Mastic</i>	NAD	100% Non-Fibrous
19-04-04326-025B 15-1	Mastic	Yellow Adhesive; Homogeneous <i>Gray Mottled 12"x12" Floor Tile and Mastic</i>	NAD	100% Non-Fibrous

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Lab Sample Number <i>Client Sample Number</i>	Layer Type	Lab Gross Description <i>Client Sample Description</i>	Asbestos	Other Materials
19-04-04326-026A 15-2	Tile	Gray Vinyl; Homogeneous <i>Gray Mottled 12"x12" Floor Tile and Mastic</i>	NAD	100% Non-Fibrous
19-04-04326-026B 15-2	Mastic	Yellow Adhesive; Homogeneous <i>Gray Mottled 12"x12" Floor Tile and Mastic</i>	NAD	100% Non-Fibrous
19-04-04326-027A 16-1	Tile	Tan Vinyl; Homogeneous <i>Beige Mottled 12"x12" Floor Tile and Mastic</i>	NAD	100% Non-Fibrous
19-04-04326-027B 16-1	Mastic	Yellow/Black Adhesive; Inhomogeneous <i>Beige Mottled 12"x12" Floor Tile and Mastic</i>	2% Chrysotile	98% Non-Fibrous
Total Asbestos: 2%				
Unable to separate mastics.				
19-04-04326-028A 16-2	Tile	Tan Vinyl; Homogeneous <i>Beige Mottled 12"x12" Floor Tile and Mastic</i>	NAD	100% Non-Fibrous
19-04-04326-028B 16-2	Mastic	<i>Beige Mottled 12"x12" Floor Tile and Mastic</i>	Did Not Analyze (Positive Stop)	
19-04-04326-029 17-1		White Chalky; Granular; Brown Fibrous; Inhomogeneous <i>Drywall and Joint Compound</i>	NAD	20% Cellulose 80% Non-Fibrous
19-04-04326-030 17-2		White Chalky; Granular; Brown Fibrous; Inhomogeneous <i>Drywall and Joint Compound</i>	NAD	20% Cellulose 80% Non-Fibrous

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19-04-04326-031 <i>18-1</i>		Beige Pliable; White Paint-Like; Inhomogeneous <i>Interior Door Caulk</i>	2% Chrysotile	98% Non-Fibrous
Total Asbestos: 2%				
Chrysotile present in beige pliable material.				
19-04-04326-032 <i>18-2</i>		<i>Interior Door Caulk</i>	Did Not Analyze (Positive Stop)	
19-04-04326-033 <i>19-1</i>		Gray Fibrous; White Paint-Like; Inhomogeneous <i>Inset Ceiling Tile</i>	NAD	60% Cellulose 10% Fibrous Glass 30% Non-Fibrous
19-04-04326-034 <i>19-2</i>		Gray Fibrous; White Paint-Like; Inhomogeneous <i>Inset Ceiling Tile</i>	NAD	60% Cellulose 10% Fibrous Glass 30% Non-Fibrous
19-04-04326-035 <i>20-1</i>		Gray Rubbery; Homogeneous <i>Gray Sink Undecoating</i>	NAD	100% Non-Fibrous
19-04-04326-036A <i>21-1</i>	Transite	Black Cementitious; Homogeneous <i>Window Sill</i>	18% Chrysotile	82% Non-Fibrous
Total Asbestos: 18%				
19-04-04326-036B <i>21-1</i>	Joint Comp.	White Granular; Paint-Like; Inhomogeneous <i>Window Sill</i>	NAD	100% Non-Fibrous
19-04-04326-037A <i>21-2</i>	Transite	<i>Window Sill</i>	Did Not Analyze (Positive Stop)	

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19-04-04326-037B 21-2	Joint Comp.	White Granular; Paint-Like; Inhomogeneous <i>Window Sill</i>	NAD	100% Non-Fibrous
19-04-04326-038 22-1		Yellow Adhesive; Homogeneous <i>Gray 4" Vinyl Cove Baseboard Mastic</i>	NAD	100% Non-Fibrous
19-04-04326-039 23-1		Brown Adhesive; Homogeneous <i>Brown VCB Mastic</i>	NAD	100% Non-Fibrous
19-04-04326-040 24-1		Tan Adhesive; Homogeneous <i>Brown Duct Mastic</i>	3% Chrysotile	97% Non-Fibrous
Total Asbestos: 3%				
19-04-04326-041A 25-1	Mastic	Cream Pliable; Homogeneous <i>Fiberglass Pipe Insulation Mastic</i>	NAD	2% Wollastonite 98% Non-Fibrous
19-04-04326-041B 25-1	Covering/J acket	Tan Fibrous; Silver Metallic; Inhomogeneous <i>Fiberglass Pipe Insulation Mastic</i>	NAD	45% Cellulose 5% Fibrous Glass 50% Non-Fibrous
19-04-04326-042A 25-2	Mastic	Cream Pliable; Homogeneous <i>Fiberglass Pipe Insulation Mastic</i>	NAD	2% Wollastonite 98% Non-Fibrous

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Lab Sample Number <i>Client Sample Number</i>	Layer Type	Lab Gross Description <i>Client Sample Description</i>	Asbestos	Other Materials
19-04-04326-042B 25-2	Covering/J acket	Tan Fibrous; Silver Metallic; Inhomogeneous <i>Fiberglass Pipe Insulation Mastic</i>	NAD	45% Cellulose 5% Fibrous Glass 50% Non-Fibrous
19-04-04326-043 26-1		Gray Pliable; Homogeneous <i>Gray Duct Mastic</i>	NAD	100% Non-Fibrous
19-04-04326-044 26-2		Gray Pliable; Homogeneous <i>Gray Duct Mastic</i>	NAD	100% Non-Fibrous
19-04-04326-045A 27-1	Mortar	White Brittle; Gray Granular; Inhomogeneous <i>Ceramic Floor Tile Adhesive</i>	NAD	100% Non-Fibrous
Unable to separate layers.				
19-04-04326-045B 27-1	Grout	Cream Brittle; Homogeneous <i>Ceramic Floor Tile Adhesive</i>	NAD	100% Non-Fibrous
19-04-04326-046A 27-2	Mortar	White Brittle; Gray Granular; Inhomogeneous <i>Ceramic Floor Tile Adhesive</i>	NAD	100% Non-Fibrous
Unable to separate layers.				
19-04-04326-046B 27-2	Grout	Cream Brittle; Homogeneous <i>Ceramic Floor Tile Adhesive</i>	NAD	100% Non-Fibrous

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QC Sample: 25-M22013-4, 32-M22010-2

QC Blank: SRM 1866 Fiberglass

Reporting Limit: 1% Asbestos

Method: EPA Method 600/R-93/116, EPA Method 600/M4-82-020

Analyst: AraceliENZler

Reviewed By Authorized Signatory:



Tasha Eaddy
QA/QC Clerk

The condition of the samples analyzed was acceptable upon receipt per laboratory protocol unless otherwise noted on this report. Each distinct component in an inhomogeneous sample was analyzed separately and reported as a composite. Results represent the analysis of samples submitted by the client. Sample location, description, area, volume, etc., was provided by the client. This report cannot be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report shall not be reproduced except in full, without the written consent of the Environmental Hazards Service, L.L.C. California Certification #2319 NY ELAP #11714 NVLAP #101882-0 VELAP 460172. All information concerning sampling location, date, and time can be found on Chain-of-Custody. Environmental Hazards Services, L.L.C. does not perform any sample collection.

Environmental Hazards Services, L.L.C. recommends reanalysis by point count (for more accurate quantification) or Transmission Electron Microscopy (TEM), (for enhanced detection capabilities) for materials regulated by EPA NESHAP (National Emission Standards for Hazardous Air Pollutants) and found to contain less than ten percent (<10%) asbestos by polarized light microscopy (PLM). Both services are available for an additional fee.

400 Point Count Analysis, where noted, performed per EPA Method 600/R-93/116 with a Reporting Limit of 0.25%.

* All California samples analyzed by Polarized Light Microscopy, EPA Method 600/M4-82-020, Dec. 1982.

LEGEND: NAD = no asbestos detected



Asbestos Chain-of-Custody

Environmental Hazards Services, LLC

7469 Whitepine Rd, Richmond, VA 23237

(800) 347-4010

www.leadlab.com

Company Name: ECS Mid-Atlantic, LLC Address: 2119-D North Hamilton Street City/State/Zip: Richmond, VA 23230
Phone: 804-246-3457 e-Mail: rcurran@ecslimited.com Acct No. _____
Project Name: McGuire VAMC New EP Lab City/State: Richmond, VA
Collected By: Robert Curran PO# 47-8081
Positive Stop Analysis: X Yes Please composite drywall and joint compound Date Collected: 4/25/2019

Turn Around Time: *If no TAT is specified, samples will be processed as 3-Day TAT*

1- Day 2-Day X 3-Day Same Day

Analysis: PLM

No.	Client Sample ID	Sample Location
1-1	White w/ Gray Smear 12"x12" Floor Tile and Mastic	Entrance Hallway 1G Area
1-2	White w/ Gray Smear 12"x12" Floor Tile and Mastic	Storage Room Beside 1G-154
2-1	Vinyl Cove Baseboard Mastic	Entrance Hallway
2-2	Vinyl Cove Baseboard Mastic	1G-154
3-1	Off-white w/ Brown Smear 12"x12" Floor Tile and Mastic	Hall Outside Blood Draw Area
4-1	Drywall and Joint Compund	1G-149
4-2	Drywall and Joint Compund	Hallway
5-1	Interior Door Caulk	1G-149
5-2	Interior Door Caulk	Storage Room Beside 1G-154
6-1	Blue, Gray, White Spec Sheet Flooring	1G-149
6-2	Blue, Gray, White Spec Sheet Flooring	1G-149
7-1	Black Sink Undercoating	1G-149
7-2	Black Sink Undercoating	1G-149
8-1	Black Vinyl Cove Baseboard Mastic	1G-149
9-1	Vinyl Veneer Ceiling Tile	1G-149
9-2	Vinyl Veneer Ceiling Tile	1G-149
10-1	White Sheet Flooring	1G-155
10-2	White Sheet Flooring	1G-155
11-1	Brown Duct Mastic	1G Interstitial Space
12-1	Fiberglass Pipe Insulation Mastic	1G Interstitial Space
12-2	Fiberglass Pipe Insulation Mastic	1G Interstitial Space
13-1	Red Duct Mastic	1G Interstitial Space
13-2	Red Duct Mastic	1G Interstitial Space
14-1	Floor Tile and Mastic Beneath Carpet	1D-116 1D Area
15-1	Gray Mottled 12"x12" Floor Tile and Mastic	1D-120
15-2	Gray Mottled 12"x12" Floor Tile and Mastic	1D-120
16-1	Beige Mottled 12"x12" Floor Tile and Mastic	1D-121
16-2	Beige Mottled 12"x12" Floor Tile and Mastic	1D-121
17-1	Drywall and Joint Compound	1D-117
17-2	Drywall and Joint Compound	1D-120
18-1	Interior Door Caulk	1D-117
18-2	Interior Door Caulk	1D-120
19-1	Inset Ceiling Tile	1D-120
19-2	Inset Ceiling Tile	1D-120
20-1	Gray Sink Undecoating	1D-121
21-1	Window Sill	1D-120
21-2	Window Sill	1D-120
22-1	Gray 4" Vinyl Cove Baseboard Mastic	1D-117
23-1	Brown VCB Mastic	1D-121
24-1	Brown Duct Mastic	1D Interstitial
25-1	Fiberglass Pipe Insulation Mastic	1D Interstitial
25-2	Fiberglass Pipe Insulation Mastic	1D Interstitial
26-1	Gray Duct Mastic	1D-117
26-2	Gray Duct Mastic	1D Interstitial
27-1	Ceramic Floor Tile Adhesive	1D-122
27-2	Ceramic Floor Tile Adhesive	1D-119
		Please do not analyze the cove baseboard layers in groups 2 and 22,
		Please do not analyze the fiberglass layer in groups 12 and 25
		Please do not analyze the ceramic floor tile layer in group 27

19-04-04326



Due Date:
05/02/2019
(Thursday)

A+B

46 PLM

red shield 4/24/19 8:10am

4326

Released By:	Robert Curran, 04-28-19, 16:00 <i>Robert Curran</i>	
Received By:	<i>S. Nicolella</i>	<i>4/29/19 8:10 a</i>