Forensic Analytical Specialties, Inc.

Consulting and Laboratory Services in the Forensic and Environmental Health Sciences

BULK ASBESTOS ANALYSIS REPORT

FOR

Client:
Hazard Management Services, Inc.

P.O. Box 7012
Modesto, CA 95355

Client Number: 146
Report Number: 7271
Date Received: 04/09/88
Date Examined: 04/16/88

Lab Number: 8810459
Sample Number: PVH-08G
Analyst: MF

Site: Pleasant Valley High - Chico Unified School District.

Location: Girl's Shower Room - Unit "F"/Room #49, plaster wall (hard plaster).

P.O.: Pleasant Valley High - Chico Unified School Dist.

Gross Description: Grey plaster-like material.

MICROSCOPIC DESCRIPTION:

TOTAL ASBESTOS PRESENT:				
Chrysotile			<1	%
Amosite	<1	%		
Crocidolite	<1	%		
	<1	%		
		%		
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:				
Cellulose			1-5	%
Mineral Wool	1-5	%		
Polyethylene	<1	%		
	<1	%		
		%		
TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT:				
Unspecified Particulates			95-99	%
	95-99	%		
		%		
		%		
		%		

Analyst: Michelle Fosp

Supervisor: [illegible]

COMMENTS: Analysis employs Polarized Light Microscopy with Dispersion Staining, and is performed by an analyst qualified under the EPA bulk asbestos proficiency testing program. Samples with no observable asbestiform minerals are designated as containing less than one percent (<1%) asbestos. Samples in which asbestiform minerals have been observed, but exist in concentrations of less than one percent (<1%) are designated as present in "trace" amounts.

3777 Depot Road, Suite 408, Hayward, CA 94545 • (415) 887-8828

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FOR

Client:
Hazard Management Services, Inc.

P.O. Box 7012
Modesto, CA 95355

Client Number: 146
Report Number: 7271
Date Received: 04/09/88
Date Examined: 04/15/88

Lab Number: 8810428
Sample Number: PVH-09A
Analyst: MF
Site: Pleasant Valley High - Chico Unified School District.

Location: Covered Walk, between Unit "A" and Unit "B", trowled-on ceiling.
P.O.: Pleasant Valley High - Chico Unified School Dist.

Gross Description: Grey plaster-like material.

MICROSCOPIC DESCRIPTION:

TOTAL ASBESTOS PRESENT:			
Chrysotile	Trace	%	Trace %
Amosite	<1	%	
Crocidolite	<1	%	
		%	

TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:			
Cellulose	Trace	%	Trace %
Mineral Wool	<1	%	
Polyethylene	<1	%	
		%	

TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT:			
Unspecified Particulates	98-99	%	98-99 %
		%	
		%	
		%	

Analyst: Michelle J. Fox

Supervisor: de

COMMENTS: Analysis employs Polarized Light Microscopy with Dispersion Staining, and is performed by an analyst qualified under the EPA bulk asbestos proficiency testing program. Samples with no observable asbestiform minerals are designated as containing less than one percent (<1%) asbestos. Samples in which asbestiform minerals have been observed, but exist in concentrations of less than one percent (<1%) are designated as present in "trace" amounts.

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FOR

Client:
Hazard Management Services, Inc.

P.O. Box 7012
Modesto, CA 95355

Client Number: 146
Report Number: 7271
Date Received: 04/09/88
Date Examined: 04/15/88

Lab Number: 8810429
Sample Number: PVH-09B
Analyst: MF

Site: Pleasant Valley High - Chico Unified School District.

Location: Covered Walk, between Unit "A" and Unit "B", trowled-on ceiling.

P.O.: Pleasant Valley High - Chico Unified School Dist.

Gross Description: Grey plaster-like material.

MICROSCOPIC DESCRIPTION:

TOTAL ASBESTOS PRESENT:				
Chrysotile			1-5	%
Amosite	1-5	%		
Crocidolite	<1	%		
	<1	%		
		%		
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:				
Cellulose			<1	%
Mineral Wool	<1	%		
Polyethylene	<1	%		
	<1	%		
		%		
TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT:				
Unspecified Particulates	95-99	%	95-99	%
		%		
		%		
		%		

Analyst: Michelle J. Fox

Supervisor: [illegible]

COMMENTS: Analysis employs Polarized Light Microscopy with Dispersion Staining, and is performed by an analyst qualified under the EPA bulk asbestos proficiency testing program. Samples with no observable asbestiform minerals are designated as containing less than one percent (<1%) asbestos. Samples in which asbestiform minerals have been observed, but exist in concentrations of less than one percent (<1%) are designated as present in "trace" amounts.

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Client:
Hazard Management Services, Inc.

P.O. Box 7012
Modesto, CA 95355

Client Number: 146
Report Number: 7271
Date Received: 04/09/88
Date Examined: 04/15/88

Lab Number: 8810431
Sample Number: PVH-09C
Analyst: MF
Site: Pleasant Valley High - Chico Unified School District.

Location: Covered Walk, between Unit "B" and Unit "J", trowled-on ceiling.
P.O.: Pleasant Valley High - Chico Unified School Dist.

Gross Description: Grey cementatious-like material.

MICROSCOPIC DESCRIPTION:

TOTAL ASBESTOS PRESENT:			<1	%
Chrysotile	<1	%		
Amosite	<1	%		
Crocidolite	<1	%		
		%		
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:			1-5	%
Cellulose	1-5	%		
Mineral Wool	<1	%		
Polyethylene	<1	%		
		%		
TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT:			95-99	%
Unspecified Particulates	95-99	%		
		%		
		%		
		%		

Analyst: Michelle Fox

Supervisor: DR

COMMENTS: Analysis employs Polarized Light Microscopy with Dispersion Staining, and is performed by an analyst qualified under the EPA bulk asbestos proficiency testing program. Samples with no observable asbestiform minerals are designated as containing less than one percent (<1%) asbestos. Samples in which asbestiform minerals have been observed, but exist in concentrations of less than one percent (<1%) are designated as present in "trace" amounts.

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Client:
Hazard Management Services, Inc.

P.O. Box 7012
Modesto, CA 95355

Client Number: 146
Report Number: 7271
Date Received: 04/09/88
Date Examined: 04/16/88

Lab Number: 8810450
Analyst: MF
Sample Number: PVH-09D
Site: Pleasant Valley High - Chico Unified School District.

Location: Snack Bar - Unit "F", trowled-on ceiling.

P.O.: Pleasant Valley High - Chico Unified School Dist.

Gross Description: Grey plaster-like material.

MICROSCOPIC DESCRIPTION:

TOTAL ASBESTOS PRESENT:			1-5	%
Chrysotile	1-5	%		
Amosite	<1	%		
Crocidolite	<1	%		
		%		
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:			Trace	%
Cellulose	Trace	%		
Mineral Wool	<1	%		
Polyethylene	<1	%		
		%		
TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT:			95-99	%
Unspecified Particulates	95-99	%		
		%		
		%		
		%		

Analyst: Michelle Fox Supervisor: [illegible]

COMMENTS: Analysis employs Polarized Light Microscopy with Dispersion Staining, and is performed by an analyst qualified under the EPA bulk asbestos proficiency testing program. Samples with no observable asbestiform minerals are designated as containing less than one percent (<1%) asbestos. Samples in which asbestiform minerals have been observed, but exist in concentrations of less than one percent (<1%) are designated as present in "trace" amounts.

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BULK ASBESTOS ANALYSIS REPORT

FOR

Client:
Hazard Management Services, Inc.

P.O. Box 7012
Modesto, CA 95355

Client Number: 146
Report Number: 7271
Date Received: 04/09/88
Date Examined: 04/16/88

Lab Number: 8810455
Sample Number: PVH-09E
Analyst: MF
Site: Pleasant Valley High - Chico Unified School District.

Location: Outside Small Gymnasium - Covered Walk, trowled-on ceiling.
P.O.: Pleasant Valley High - Chico Unified School Dist.

Gross Description: Off-white plaster-like material.

MICROSCOPIC DESCRIPTION:

TOTAL ASBESTOS PRESENT:				
Chrysotile			<1	%
Amosite	<1	%		
Crocidolite	<1	%		
	<1	%		
		%		
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:				
Cellulose			Trace	%
Mineral Wool	Trace	%		
Polyethylene	<1	%		
	<1	%		
		%		
TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT:				
Unspecified Particulates	98-99		98-99	%
		%		
		%		
		%		
		%		

Analyst: Michelle Fox

Supervisor: DC

COMMENTS: Analysis employs Polarized Light Microscopy with Dispersion Staining, and is performed by an analyst qualified under the EPA bulk asbestos proficiency testing program. Samples with no observable asbestiform minerals are designated as containing less than one percent (<1%) asbestos. Samples in which asbestiform minerals have been observed, but exist in concentrations of less than one percent (<1%) are designated as present in "trace" amounts.

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Client:
Hazard Management Services, Inc.

P.O. Box 7012
Modesto, CA 95355

Client Number: 146
Report Number: 7271
Date Received: 04/09/88
Date Examined: 04/16/88

Lab Number: 8810456
Sample Number: PVH-09F
Analyst: MF
Site: Pleasant Valley High - Chico Unified School District.

Location: Outside Cafeteria - Covered Walk, trowled-on ceiling.

P.O.: Pleasant Valley High - Chico Unified School Dist.

Gross Description: Off-white plaster-like material.

MICROSCOPIC DESCRIPTION:

TOTAL ASBESTOS PRESENT:			<1	%
Chrysotile	<1	%		
Amosite	<1	%		
Crocidolite	<1	%		
		%		
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:			Trace	%
Cellulose	Trace	%		
Mineral Wool	<1	%		
Polyethylene	<1	%		
		%		
TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT:			98-99	%
Unspecified Particulates	98-99	%		
		%		
		%		
		%		

Analyst: Michelle J. Fox

Supervisor: [illegible]

COMMENTS: Analysis employs Polarized Light Microscopy with Dispersion Staining, and is performed by an analyst qualified under the EPA bulk asbestos proficiency testing program. Samples with no observable asbestiform minerals are designated as containing less than one percent (<1%) asbestos. Samples in which asbestiform minerals have been observed, but exist in concentrations of less than one percent (<1%) are designated as present in "trace" amounts.

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Client:
Hazard Management Services, Inc.

P.O. Box 7012
Modesto, CA 95355

Client Number: 146
Report Number: 7271
Date Received: 04/09/88
Date Examined: 04/16/88

Lab Number: 8810457 Analyst: MF
Sample Number: PVH-09G
Site: Pleasant Valley High - Chico Unified School District.

Location: Outside Large Gymnasium - Covered Walk, trowled-on ceiling.
P.O.: Pleasant Valley High - Chico Unified School Dist.

Gross Description: Off-white plaster-like material.

MICROSCOPIC DESCRIPTION:

TOTAL ASBESTOS PRESENT:			Trace	%
Chrysotile	Trace	%		
Amosite	<1	%		
Crocidolite	<1	%		
		%		
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:			10-15	%
Cellulose	1-5	%		
Mineral Wool	<1	%		
Polyethylene	<1	%		
Other fibers	5-10	%		
TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT:			85-90	%
Unspecified Particulates	85-90	%		
		%		
		%		
		%		

Analyst: David Kalman for MF Supervisor: [illegible]

COMMENTS: Analysis employs Polarized Light Microscopy with Dispersion Staining, and is performed by an analyst qualified under the EPA bulk asbestos proficiency testing program. Samples with no observable asbestiform minerals are designated as containing less than one percent (<1%) asbestos. Samples in which asbestiform minerals have been observed, but exist in concentrations of less than one percent (<1%) are designated as present in "trace" amounts.

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Client:
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Modesto, CA 95355

Client Number: 146
Report Number: 7271
Date Received: 04/09/88
Date Examined: 04/15/88

Lab Number: 8810432
Sample Number: PVH-10
Site: Pleasant Valley High - Chico Unified School District.

Analyst: MF

Location: Studen Store - Unit "J"/Room #1, yellow linoleum.

P.O.: Pleasant Valley High - Chico Unified School Dist.

Gross Description: Yellow linoleum tile assoc. with off-white fibrous backing.

MICROSCOPIC DESCRIPTION:

TOTAL ASBESTOS PRESENT:				
Chrysotile			30-35	%
Amosite	30-35	%		
Crocidolite	<1	%		
	<1	%		
		%		
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:				
Cellulose			5-10	%
Mineral Wool	5-10	%		
Polyethylene	<1	%		
	<1	%		
		%		
TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT:				
Unspecified Particulates	55-65	%	55-65	%
		%		
		%		
		%		

Analyst: Michelle J Fox

Supervisor: DO

COMMENTS: Analysis employs Polarized Light Microscopy with Dispersion Staining, and is performed by an analyst qualified under the EPA bulk asbestos proficiency testing program. Samples with no observable asbestiform minerals are designated as containing less than one percent (<1%) asbestos. Samples in which asbestiform minerals have been observed, but exist in concentrations of less than one percent (<1%) are designated as present in "trace" amounts.

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Client: FOR

Hazard Management Services, Inc.

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Modesto, CA 95355

Client Number: 146
Report Number: 7271
Date Received: 04/09/88
Date Examined: 04/15/88

Lab Number: 8810433
Sample Number: PVH-11
Site: Pleasant Valley High - Chico Unified School District.

Analyst: MF

Location: Studen Store - Unit "J"/Room #1, 1'x1' Acoustic Celing Tile, cellulose looking.

P.O.: Pleasant Valley High - Chico Unified School Dist.

Gross Description: Off-white fibrous ceiling tile.

MICROSCOPIC DESCRIPTION:

TOTAL ASBESTOS PRESENT:			<1	%
Chrysotile	<1	%		
Amosite	<1	%		
Crocidolite	<1	%		
		%		
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:			90-95	%
Cellulose	90-95	%		
Mineral Wool	<1	%		
Polyethylene	<1	%		
		%		
TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT:			5-10	%
Unspecified Particulates	5-10	%		
		%		
		%		
		%		

Analyst: Michelle J Fox

Supervisor: DE

COMMENTS: Analysis employs Polarized Light Microscopy with Dispersion Staining, and is performed by an analyst qualified under the EPA bulk asbestos proficiency testing program. Samples with no observable asbestiform minerals are designated as containing less than one percent (<1%) asbestos. Samples in which asbestiform minerals have been observed, but exist in concentrations of less than one percent (<1%) are designated as present in "trace" amounts.

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FOR

Client:
Hazard Management Services, Inc.

P.O. Box 7012
Modesto, CA 95355

Client Number: 146
Report Number: 7271
Date Received: 04/09/88
Date Examined: 04/15/88

Lab Number: 8810434
Sample Number: PVH-12
Analyst: MF

Site: Pleasant Valley High - Chico Unified School District.

Location: Store Office - Unit "J"/Room #1 (2x4 Ceiling Panel).

P.O.: Pleasant Valley High - Chico Unified School Dist.

Gross Description: Off-white fibrous ceiling tile.

MICROSCOPIC DESCRIPTION:

TOTAL ASBESTOS PRESENT:			<1	%
Chrysotile	<1	%		
Amosite	<1	%		
Crocidolite	<1	%		
		%		
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:			75-85	%
Cellulose	5-10	%		
Mineral Wool	70-75	%		
Polyethylene	<1	%		
		%		
TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT:			15-25	%
Unspecified Particulates	5-10	%		
Perlite	10-15	%		
		%		
		%		

Analyst: Michelle J. Fox

Supervisor: DC

COMMENTS: Analysis employs Polarized Light Microscopy with Dispersion Staining, and is performed by an analyst qualified under the EPA bulk asbestos proficiency testing program. Samples with no observable asbestiform minerals are designated as containing less than one percent (<1%) asbestos. Samples in which asbestiform minerals have been observed, but exist in concentrations of less than one percent (<1%) are designated as present in "trace" amounts.

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FOR

Client:
Hazard Management Services, Inc.

P.O. Box 7012
Modesto, CA 95355

Client Number: 146
Report Number: 7271
Date Received: 04/09/88
Date Examined: 04/15/88

Lab Number: 8810435
Sample Number: PVH-13
Analyst: MF
Site: Pleasant Valley High - Chico Unified School District.

Location: Student Activity Room - Unit "J"/Room #1, brown linoleum.

P.O.: Pleasant Valley High - Chico Unified School Dist.

Gross Description: Beige linoleum floor tile assoc. with off-white fibrous backing.

MICROSCOPIC DESCRIPTION:

TOTAL ASBESTOS PRESENT:				
Chrysotile			25-30	%
Amosite	25-30	%		
Crocidolite	<1	%		
	<1	%		
		%		
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:				
Cellulose			10-15	%
Mineral Wool	10-15	%		
Polyethylene	<1	%		
	<1	%		
		%		
TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT:				
Unspecified Particulates			55-65	%
	55-65	%		
		%		
		%		
		%		

Analyst: Michelle J. Fox

Supervisor: DC

COMMENTS: Analysis employs Polarized Light Microscopy with Dispersion Staining, and is performed by an analyst qualified under the EPA bulk asbestos proficiency testing program. Samples with no observable asbestiform minerals are designated as containing less than one percent (<1%) asbestos. Samples in which asbestiform minerals have been observed, but exist in concentrations of less than one percent (<1%) are designated as present in "trace" amounts.

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Client:
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Modesto, CA 95355

Client Number: 146
Report Number: 7271
Date Received: 04/09/88
Date Examined: 04/16/88

Lab Number: 8810439 Analyst: MF
Sample Number: PVH-14
Site: Pleasant Valley High - Chico Unified School District.

Location: Drama - Unit "D"/Room #35, 12" vinyl floor tile (white).
P.O.: Pleasant Valley High - Chico Unified School Dist.

Gross Description: Off-white floor tile.

MICROSCOPIC DESCRIPTION:

TOTAL ASBESTOS PRESENT:			Trace %
Chrysotile	Trace	%	
Amosite	<1	%	
Crocidolite	<1	%	
		%	
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:			1-5 %
Cellulose	1-5	%	
Mineral Wool	<1	%	
Polyethylene	<1	%	
		%	
TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT:			95-99 %
Unspecified Particulates	95-99	%	
		%	
		%	
		%	

Analyst: Michelle J. Fox Supervisor: DR

COMMENTS: Analysis employs Polarized Light Microscopy with Dispersion Staining, and is performed by an analyst qualified under the EPA bulk asbestos proficiency testing program. Samples with no observable asbestiform minerals are designated as containing less than one percent (<1%) asbestos. Samples in which asbestiform minerals have been observed, but exist in concentrations of less than one percent (<1%) are designated as present in "trace" amounts.

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Modesto, CA 95355

Client Number: 146
Report Number: 7271
Date Received: 04/09/88
Date Examined: 04/16/88

Lab Number: 8810441 Analyst: MF
Sample Number: PVH-15
Site: Pleasant Valley High - Chico Unified School District.

Location: Drafting Room - Unit "I"/12" Off-White Vinyl Floor Tile and Backing.
P.O.: Pleasant Valley High - Chico Unified School Dist.

Gross Description: White floor tile assoc. with black tar adhesive. (Asbestos in both)

MICROSCOPIC DESCRIPTION:

TOTAL ASBESTOS PRESENT:			1-5 %
Chrysotile	1-5	%	
Amosite	<1	%	
Crocidolite	<1	%	
		%	
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:			Trace %
Cellulose	Trace	%	
Mineral Wool	<1	%	
Polyethylene	<1	%	
		%	
TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT:			95-99 %
Unspecified Particulates	95-99	%	
		%	
		%	
		%	

Analyst: Michelle J. Fox Supervisor: [illegible]

COMMENTS: Analysis employs Polarized Light Microscopy with Dispersion Staining, and is performed by an analyst qualified under the EPA bulk asbestos proficiency testing program. Samples with no observable asbestiform minerals are designated as containing less than one percent (<1%) asbestos. Samples in which asbestiform minerals have been observed, but exist in concentrations of less than one percent (<1%) are designated as present in "trace" amounts.

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P.O. Box 7012
Modesto, CA 95355

Client Number: 146
Report Number: 7271
Date Received: 04/09/88
Date Examined: 04/16/88

Lab Number: 8810446
Sample Number: PVH-16A
Analyst: MF

Site: Pleasant Valley High - Chico Unified School District.

Location: Boiler Room - Unit "F"/Room #55, pw straight (TSI).

P.O.: Pleasant Valley High - Chico Unified School Dist.

Gross Description: White semifibrous powder.

MICROSCOPIC DESCRIPTION:

TOTAL ASBESTOS PRESENT:				
Chrysotile			55-60	%
Amosite	<1	%		
Crocidolite	55-60	%		
	<1	%		
		%		
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:				
Cellulose			1-5	%
Mineral Wool	1-5	%		
Polyethylene	<1	%		
	<1	%		
		%		
TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT:				
Unspecified Particulates	35-40	%	35-40	%
		%		
		%		
		%		

Analyst: Michelle Fox

Supervisor: [illegible]

COMMENTS: Analysis employs Polarized Light Microscopy with Dispersion Staining, and is performed by an analyst qualified under the EPA bulk asbestos proficiency testing program. Samples with no observable asbestiform minerals are designated as containing less than one percent (<1%) asbestos. Samples in which asbestiform minerals have been observed, but exist in concentrations of less than one percent (<1%) are designated as present in "trace" amounts.

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Client:
Hazard Management Services, Inc.

P.O. Box 7012
Modesto, CA 95355

Client Number: 146
Report Number: 7271
Date Received: 04/09/88
Date Examined: 04/16/88

Lab Number: 8810447
Sample Number: PVH-16B
Analyst: MF

Site: Pleasant Valley High - Chico Unified School District.

Location: Boiler Room - Unit "F"/Room #55, pw straight (TSI).

P.O.: Pleasant Valley High - Chico Unified School Dist.

Gross Description: White semifibrous powder.

MICROSCOPIC DESCRIPTION:

TOTAL ASBESTOS PRESENT:			55-60	%
Chrysotile	<1	%		
Amosite	55-60	%		
Crocidolite	<1	%		
		%		
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:			20-25	%
Cellulose	20-25	%		
Mineral Wool	<1	%		
Polyethylene	<1	%		
		%		
TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT:			15-25	%
Unspecified Particulates	15-25	%		
		%		
		%		
		%		

Analyst: Michelle J. Fox

Supervisor: [illegible]

COMMENTS: Analysis employs Polarized Light Microscopy with Dispersion Staining, and is performed by an analyst qualified under the EPA bulk asbestos proficiency testing program. Samples with no observable asbestiform minerals are designated as containing less than one percent (<1%) asbestos. Samples in which asbestiform minerals have been observed, but exist in concentrations of less than one percent (<1%) are designated as present in "trace" amounts.

3777 Depot Road, Suite 408, Hayward, CA 94545 • (415) 887-8828

Forensic Analytical Specialties, Inc.

Consulting and Laboratory Services in the Forensic and Environmental Health Sciences

BULK ASBESTOS ANALYSIS REPORT

FOR

Client:
Hazard Management Services, Inc.

P.O. Box 7012
Modesto, CA 95355

Client Number: 146
Report Number: 7271
Date Received: 04/09/88
Date Examined: 04/16/88

Lab Number: 8810448
Analyst: MF
Sample Number: PVH-16C
Site: Pleasant Valley High - Chico Unified School District.

Location: Boiler Room - Unit "F"/Room #55, pw straight (TSI).

P.O.: Pleasant Valley High - Chico Unified School Dist.

Gross Description: White semifibrous powder.

MICROSCOPIC DESCRIPTION:

TOTAL ASBESTOS PRESENT:			40-45	%
Chrysotile	<1	%		
Amosite	40-45	%		
Crocidolite	<1	%		
		%		
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:			1-5	%
Cellulose	1-5	%		
Mineral Wool	<1	%		
Polyethylene	<1	%		
		%		
TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT:			50-55	%
Unspecified Particulates	50-55	%		
		%		
		%		
		%		

Analyst: Michelle Fox Supervisor: DC

COMMENTS: Analysis employs Polarized Light Microscopy with Dispersion Staining, and is performed by an analyst qualified under the EPA bulk asbestos proficiency testing program. Samples with no observable asbestiform minerals are designated as containing less than one percent (<1%) asbestos. Samples in which asbestiform minerals have been observed, but exist in concentrations of less than one percent (<1%) are designated as present in "trace" amounts.

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BULK ASBESTOS ANALYSIS REPORT

FOR

Client:
Hazard Management Services, Inc.

P.O. Box 7012
Modesto, CA 95355

Client Number: 146
Report Number: 7271
Date Received: 04/09/88
Date Examined: 04/16/88

Lab Number: 8810449 Analyst: MF
Sample Number: PVH-17
Site: Pleasant Valley High - Chico Unified School District.

Location: Boiler Room - Unit "F"/Room #55 - Tank Wrap (TSI).

P.O.: Pleasant Valley High - Chico Unified School Dist.

Gross Description: Grey fibrous material.

MICROSCOPIC DESCRIPTION:

TOTAL ASBESTOS PRESENT:			35-45	%
Chrysotile	15-20	%		
Amosite	20-25	%		
Crocidolite	<1	%		
		%		
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:			1-5	%
Cellulose	1-5	%		
Mineral Wool	<1	%		
Polyethylene	<1	%		
		%		
TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT:			50-55	%
Unspecified Particulates	50-55	%		
		%		
		%		
		%		

Analyst: Michelle Fers Supervisor: DC

COMMENTS: Analysis employs Polarized Light Microscopy with Dispersion Staining, and is performed by an analyst qualified under the EPA bulk asbestos proficiency testing program. Samples with no observable asbestiform minerals are designated as containing less than one percent (<1%) asbestos. Samples in which asbestiform minerals have been observed, but exist in concentrations of less than one percent (<1%) are designated as present in "trace" amounts.

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Consulting and Laboratory Services in the Forensic and Environmental Health Sciences

BULK ASBESTOS ANALYSIS REPORT

FOR

Client:
Hazard Management Services, Inc.

P.O. Box 7012
Modesto, CA 95355

Client Number: 146
Report Number: 7271
Date Received: 04/09/88
Date Examined: 04/16/88

Lab Number: 8810451
Sample Number: PVH-18
Analyst: MF
Site: Pleasant Valley High - Chico Unified School District.

Location: Attic Area over Rooms #51, 52, and 53 - Unit "F", debris.
P.O.: Pleasant Valley High - Chico Unified School Dist.

Gross Description: Off-white semifibrous material.

MICROSCOPIC DESCRIPTION:

TOTAL ASBESTOS PRESENT:			15-20	%
Chrysotile	15-20	%		
Amosite	<1	%		
Crocidolite	<1	%		
		%		
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:			30-35	%
Cellulose	Trace	%		
Mineral Wool	30-35	%		
Polyethylene	<1	%		
		%		
TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT:			45-55	%
Unspecified Particulates	45-55	%		
		%		
		%		
		%		

Analyst: Michelle J. Fox Supervisor: DE

COMMENTS: Analysis employs Polarized Light Microscopy with Dispersion Staining, and is performed by an analyst qualified under the EPA bulk asbestos proficiency testing program. Samples with no observable asbestiform minerals are designated as containing less than one percent (<1%) asbestos. Samples in which asbestiform minerals have been observed, but exist in concentrations of less than one percent (<1%) are designated as present in "trace" amounts.

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BULK ASBESTOS ANALYSIS REPORT

FOR

Client:
Hazard Management Services, Inc.

P.O. Box 7012
Modesto, CA 95355

Client Number: 146
Report Number: 7271
Date Received: 04/09/88
Date Examined: 04/16/88

Lab Number: 8810452
Sample Number: PVH-19
Analyst: MF
Site: Pleasant Valley High - Chico Unified School District.

Location: Music Room - Unit "E"/Room #39, 1'x1' acoustic ceiling tile.

P.O.: Pleasant Valley High - Chico Unified School Dist.

Gross Description: Yellow fibrous ceiling tile assoc. with white paint layer.

MICROSCOPIC DESCRIPTION:

TOTAL ASBESTOS PRESENT:			<1	%
Chrysotile	<1	%		
Amosite	<1	%		
Crocidolite	<1	%		
		%		
TOTAL NON-ASBESTOS FIBROUS MATERIAL PRESENT:			90-95	%
Cellulose	<1	%		
Mineral Wool	90-95	%		
Polyethylene	<1	%		
		%		
TOTAL NON-ASBESTOS NON-FIBROUS MATERIAL PRESENT:			5-10	%
Unspecified Particulates	5-10	%		
		%		
		%		
		%		

Analyst: Michelle J. Fox

Supervisor: DC

COMMENTS: Analysis employs Polarized Light Microscopy with Dispersion Staining, and is performed by an analyst qualified under the EPA bulk asbestos proficiency testing program. Samples with no observable asbestiform minerals are designated as containing less than one percent (<1%) asbestos. Samples in which asbestiform minerals have been observed, but exist in concentrations of less than one percent (<1%) are designated as present in "trace" amounts.

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