

# *Ecology Environmental, Inc.*

## **Asbestos and Lead Survey Report**

**Report Date: February 10, 2025**

**Project: Fillmore High School – Library Renovation Project**

**Property Address: 555 Central Avenue, Fillmore, California 93015**

**Survey Area: Library Storage Project Area**

### **Introduction**

Ecology Environmental, Inc. (Ecology) performed a pre-renovation asbestos and lead survey within the Library Storage project area of the Library at Fillmore High School in Fillmore, California on February 1 and February 10, 2025. According to information provided to Ecology, planned renovations will require the disturbance of building materials suspect to contain asbestos and building components suspect to contain lead-based paint in the library storage project area.

### **Scope of Work**

This asbestos and lead survey was performed to identify and analyze building materials that are suspect asbestos containing materials (ACM) and to evaluate building components for the presence of lead-based paint, (stains, coatings, glazes, etc.) in the library storage project area.

Asbestos sampling included the representative sampling of suspect building materials likely to be disturbed during planned renovation activities within the project area according to plans described by the client representative. Lead sampling included the representative sampling of painted (stained, coated, glazed, etc.) building components within the project area.

### **Limitations**

This pre-renovation asbestos and lead survey was limited to the library storage area at the property. Asbestos and lead sampling was limited to building materials that are likely to be disturbed during renovation activities according to renovation plans described by the client representative.

### **Asbestos Bulk Sampling**

Ecology collected forty samples of suspect building materials identified during this pre-renovation asbestos survey. Samples were collected to confirm the presence or absence of ACM in suspect building materials identified at the project site. Samples were forwarded under chain of custody to LA Testing, an accredited laboratory with the National Voluntary Laboratory Accreditation Program (NVLAP), for analysis by Polarized Light Microscopy; EPA Method 600/R-93/116. Only the following suspect building materials were identified and sampled for asbestos.

- 12" Acoustical ceiling tile materials (white "random" dot pattern) within the project area.
- 12" Acoustical ceiling tile materials (off-white uniform dot pattern) within the project area.
- Flooring layers under carpet in the project area, including flooring adhesives, vinyl floor tiles and mastic materials

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- Plaster wall materials throughout the project area.
- Vapor barrier under ceiling and wall tiles throughout the project area.
- Textured ceiling materials from the restroom area.
- Glazed wall tile, mortar and grout materials from the restroom area.
- Unglazed floor tile, mortar and grout materials from the restroom area.
- Peeling stucco texture coat material from the exterior wall (west wall at entry).
- Damaged window glazing compound material along exterior windows (west wall at entry)
- Roofing layers to wood substrate from the library storage roof.
- HVAC seam sealant materials from the library storage roof.
- Roof penetration mastic (vents, HVAC, etc.) from the library storage roof.
- Silver paint over mastic (primarily on conduit) from the library storage roof.

Ecology sampled suspect building materials all suspect building materials identified that are likely to be disturbed in the project area during this pre-renovation asbestos survey. Only those building materials specified above were identified and sampled during this survey. If any other suspect building materials are discovered and/or will be disturbed during renovation project activities, they should be tested for asbestos or abated as ACM.

## **Asbestos Bulk Sample Analytical Results**

Analytical results for samples collected during this pre-renovation asbestos survey confirm the presence of ACM in flooring and roofing materials within the project area.

- Vinyl flooring system under glue down carpet is ACM.
  - Beige vinyl floor tiles contain 6-8% Chrysotile asbestos.
  - Black flooring mastic contains 6-8 % Chrysotile asbestos.
- Roof penetration mastic from the library roof is ACM.
  - Mastic contains 3% Chrysotile asbestos.
- Silver paint over mastic on the roofing area is ACM.
  - Silver paint over mastic contains 5% Chrysotile asbestos.

Analytical results for samples collected during this pre-renovation asbestos survey confirm the presence of asbestos containing construction materials (ACCM) in the project area.

- Textured ceiling material in the restroom area is ACCM.
  - Ceiling material contains Trace (< 1%) Chrysotile asbestos.
- Peeling stucco texture coat on exterior (west wall adjacent library storage entry) is ACCM.
  - Stucco texture coat contains Trace (< 1%) Chrysotile asbestos.
- Damaged exterior window glazing compound (west wall) is ACCM.
  - Window glazing compound contains Trace (< 1%) Chrysotile asbestos.

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**Asbestos Containing Material and Asbestos Containing Construction Material- Table 1.0**

<b>Vinyl flooring system under glue down carpet is ACM</b> Vinyl floor tiles contain 6% Chrysotile asbestos <ul style="list-style-type: none"> <li>• Non-friable</li> </ul> Flooring mastic contains 8% Chrysotile asbestos <ul style="list-style-type: none"> <li>• Non-friable</li> </ul>	~ 1,000 square feet  Abatement contractor must verify actual square footage	Under glue-down carpet throughout library storage project area.
<b>Roof penetration mastic is ACM</b> -Mastic contains 3% Chrysotile asbestos <ul style="list-style-type: none"> <li>• Non-friable</li> </ul>	< 50 square feet  Abatement contractor must verify actual square footage	Roof penetrations: vents, HVAC units, etc.
<b>Silver paint over roofing mastic is ACM</b> -Silver paint over mastic contains 5% Chrysotile asbestos <ul style="list-style-type: none"> <li>• Non-friable</li> </ul>	< 25 square feet  Abatement contractor must verify actual square footage	Primarily on metal conduit installed on roof
<b>Textured ceiling material is ACCM</b> -Ceiling material contains Trace (< 1%) Chrysotile asbestos.	< 50 square feet	Library storage restroom ceiling
<b>Peeling stucco wall texture coat on is ACCM</b> -Stucco texture coat contains Trace (< 1%) Chrysotile asbestos	< 50 square feet	Exterior lower wall  (west wall adjacent library storage entry)
<b>Damaged exterior window glazing compound is ACCM</b> -Window glazing compound contains Trace (< 1%) Chrysotile asbestos	<50 lineal feet	Exterior wall  (west wall adjacent library storage entry)

No other asbestos was identified in samples collected during this limited asbestos survey.

Complete asbestos sample analytical results included below.

## **Lead Sampling**

Ecology performed a limited interior lead survey, including representative samples of painted (coated, stained, glazed, etc.) building components within the project area at the subject site during this pre-renovation survey. Lead sampling and analysis was performed with a SciAps X-Ray Fluorescence (XRF) Analyzer, model X-550 (Serial No. 02921). XRF analysis was used to detect lead-based paint and/or lead glaze in painted and glazed building component surfaces.

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The XRF instrument is factory calibrated to the manufacturer's specification. The instrument is calibrated on site during the survey using a National Institute of Standards and Testing (NIST) standard. All samples were collected in accordance with HUD Guidelines. Lead sample analytical results from the analyzer were downloaded and an XRF Data Analytical Sheet was created. Lead sampling included the representative sampling of all painted interior building components likely to be disturbed during the renovation activities in the project area.

## **Lead Sample Analytical Results**

**Analytical results from lead sampling performed during this lead survey confirm the presence of lead-based paint (concentrations greater than 1.0 mg/cm) in the project area.**

- **Pink wall tiles from the bathroom in the library project area contain lead glaze.**

No other lead-based paint or lead glaze was identified in the project area. Complete lead sample analytical results are included below.

## **Limited Asbestos and Lead Survey Conclusions**

Based on sample analytical data from samples collected during this survey, ACM was identified in the library storage project area of the property. Project related asbestos abatement is required for the planned disturbance of ACM in the project area. ACCM was also identified in the project area. Disturbance of ACCM is regulated as asbestos abatement unless quantified at less than one-tenth percent asbestos. Asbestos abatement requires the use of a licensed asbestos abatement contractor using only trained and certified asbestos supervisors and workers.

Based on sampling performed during this survey, lead-based paint and lead glaze were identified on building components in the project area. Project related lead abatement and/or lead safe work methods are required for the planned disturbance of lead glaze in the project area. Lead abatement requires the use of a licensed contractor using only trained and certified lead supervisors and workers. Lead safe work methods require the use of a licensed and certified EPA Repair, Renovation and Paint (RRP) contractor and supervisor.

Respectfully submitted,  
Ecology Environmental, Inc.  
Kevin Hanson, Senior Hygienist  
DOSH Certified Asbestos Consultant (No. 14-5171)  
CDPH Certified Lead Risk Assessor Inspector (No. LRC-8835)



# LA Testing

520 Mission Street South Pasadena, CA 91030

Tel/Fax: (323) 254-9960 / (323) 254-9982

<http://www.LATesting.com> / [pasadenalab@lateesting.com](mailto:pasadenalab@lateesting.com)

LA Testing Order: 322501976

Customer ID: ECEC42

Customer PO:

Project ID:

**Attention:** Kevin Hanson  
Ecology Environmental, Inc.  
8430 N. Ventura Ave  
Ventura, CA 93001

**Phone:** (805) 223-6462

**Fax:**

**Received Date:** 02/03/2025 8:00 AM

**Analysis Date:** 02/03/2025 - 02/04/2025

**Collected Date:** 02/02/2025

**Project:** FHS - Library Storage

## Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
B-1-ACT  322501976-0001	Ceilings - 12" ACT - white "random" dot	White/Beige Fibrous Heterogeneous	40% Cellulose 20% Min. Wool	20% Perlite 20% Non-fibrous (Other)	None Detected
HA: 01					
B-1-Adhesive Like  322501976-0001A	Ceilings - 12" ACT - white "random" dot	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HA: 01					
B-2  322501976-0002	Ceilings - 12" ACT - white "random" dot	White/Beige Fibrous Heterogeneous	40% Cellulose 20% Min. Wool	20% Perlite 20% Non-fibrous (Other)	None Detected
HA: 01					
B-3  322501976-0003	Ceilings - 12" ACT - white "random" dot	Gray/White Fibrous Homogeneous	40% Cellulose 20% Min. Wool	20% Perlite 20% Non-fibrous (Other)	None Detected
HA: 01					
B-4  322501976-0004	Upper walls - 12" ACT - off-white uniform dot	Brown/White Fibrous Heterogeneous	80% Cellulose	20% Non-fibrous (Other)	None Detected
HA: 02					
B-5  322501976-0005	Upper walls - 12" ACT - off-white uniform dot	Brown/White Fibrous Heterogeneous	80% Cellulose	20% Non-fibrous (Other)	None Detected
HA: 02					
B-6  322501976-0006	Upper walls - 12" ACT - off-white uniform dot	Brown/White Fibrous Heterogeneous	85% Cellulose	15% Non-fibrous (Other)	None Detected
HA: 02					
B-7-VFT  322501976-0007 <i>No adhesive-top present for analysis.</i>	Interior - Flooring under carpet - adhesive/VFT/mastics	Tan Non-Fibrous Homogeneous		94% Non-fibrous (Other)	<b>6% Chrysotile</b>
HA: 03					
B-7-Mastic  322501976-0007A	Interior - Flooring under carpet - adhesive/VFT/mastics	Black Non-Fibrous Homogeneous		92% Non-fibrous (Other)	<b>8% Chrysotile</b>
HA: 03					
B-8-Adhesive-Top  322501976-0008	Interior - Flooring under carpet - adhesive/VFT/mastics	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HA: 03					
B-8-VFT  322501976-0008A <i>Insufficient mastic present for analysis.</i>	Interior - Flooring under carpet - adhesive/VFT/mastics	Tan Non-Fibrous Homogeneous		94% Non-fibrous (Other)	<b>6% Chrysotile</b>
HA: 03					
B-9-Adhesive Top  322501976-0009	Interior - Flooring under carpet - adhesive/VFT/mastics	Yellow/Green Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HA: 03					

Initial report from: 02/04/2025 11:14:16



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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
B-9-VFT 322501976-0009A	Interior - Flooring under carpet - adhesive/VFT/mastics	Brown Non-Fibrous Homogeneous	HA: 03	94% Non-fibrous (Other)	6% Chrysotile
B-9-Mastic 322501976-0009B	Interior - Flooring under carpet - adhesive/VFT/mastics	Black Non-Fibrous Homogeneous	HA: 03	92% Non-fibrous (Other)	8% Chrysotile
B-10-Skim Coat 322501976-0010	Interior walls - Plaster wall materials	White Non-Fibrous Homogeneous	HA: 04	100% Non-fibrous (Other)	None Detected
B-10-Finish Coat 322501976-0010A	Interior walls - Plaster wall materials	Tan/Beige Non-Fibrous Homogeneous	HA: 04	100% Non-fibrous (Other)	None Detected
B-10-Base Coat 322501976-0010B	Interior walls - Plaster wall materials	Beige Non-Fibrous Homogeneous	HA: 04	100% Non-fibrous (Other)	None Detected
B-11-Finish Coat 322501976-0011	Interior walls - Plaster wall materials	Brown Non-Fibrous Homogeneous	HA: 04	100% Non-fibrous (Other)	None Detected
B-11-Base Coat 322501976-0011A	Interior walls - Plaster wall materials	Beige Non-Fibrous Homogeneous	HA: 04	100% Non-fibrous (Other)	None Detected
B-12-Finish Coat 322501976-0012	Interior walls - Plaster wall materials	White Non-Fibrous Homogeneous	HA: 04	100% Non-fibrous (Other)	None Detected
B-12-Base Coat 322501976-0012A	Interior walls - Plaster wall materials	Beige Non-Fibrous Homogeneous	HA: 04	100% Non-fibrous (Other)	None Detected
B-13-Finish Coat 322501976-0013	Interior walls - Plaster wall materials	White Non-Fibrous Homogeneous	HA: 04	100% Non-fibrous (Other)	None Detected
B-13-Base Coat 322501976-0013A	Interior walls - Plaster wall materials	Gray Non-Fibrous Homogeneous	HA: 04	100% Non-fibrous (Other)	None Detected
B-14-Finish Coat 322501976-0014	Interior walls - Plaster wall materials	White Non-Fibrous Homogeneous	HA: 04	100% Non-fibrous (Other)	None Detected
B-14-Base Coat 322501976-0014A	Interior walls - Plaster wall materials	Gray Non-Fibrous Homogeneous	HA: 04	100% Non-fibrous (Other)	None Detected
B-15 322501976-0015	Interior ceilings/walls - Vapor barrier	Brown/Black Fibrous Homogeneous	HA: 05	60% Cellulose 40% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
B-16  322501976-0016	Interior ceilings/walls - Vapor barrier	Brown/Black Fibrous Homogeneous	75% Cellulose  HA: 05	25% Non-fibrous (Other)	None Detected
B-17  322501976-0017	Restroom - Textured ceiling material	White Non-Fibrous Homogeneous	  HA: 06	100% Non-fibrous (Other)	<1% Chrysotile
B-18  322501976-0018	Restroom - Textured ceiling material	White Non-Fibrous Homogeneous	  HA: 06	100% Non-fibrous (Other)	<1% Chrysotile
B-19  322501976-0019	Restroom - Textured ceiling material	White Non-Fibrous Homogeneous	  HA: 06	100% Non-fibrous (Other)	<1% Chrysotile
B-20-Wall Tile  322501976-0020	Restroom - Wall tile, mortar, grout	White Non-Fibrous Homogeneous	  HA: 07	100% Non-fibrous (Other)	None Detected
B-20-Grout 1  322501976-0020A	Restroom - Wall tile, mortar, grout	White/Beige Non-Fibrous Homogeneous	  HA: 07	100% Non-fibrous (Other)	None Detected
B-20-Grout 2  322501976-0020B	Restroom - Wall tile, mortar, grout	Gray Non-Fibrous Homogeneous	  HA: 07	100% Non-fibrous (Other)	None Detected
B-20-Plaster Like  322501976-0020C <i>No mortar present for analysis.</i>	Restroom - Wall tile, mortar, grout	White/Beige Non-Fibrous Homogeneous	  HA: 07	100% Non-fibrous (Other)	None Detected
B-21-Ceramic Floor Tile  322501976-0021	Restroom - Floor tile, mortar, grout	Beige Non-Fibrous Homogeneous	  HA: 08	100% Non-fibrous (Other)	None Detected
B-21-Grout  322501976-0021A <i>No mortar present for analysis.</i>	Restroom - Floor tile, mortar, grout	Gray Non-Fibrous Homogeneous	  HA: 08	100% Non-fibrous (Other)	None Detected
B-22-Texture Coat/Plaster  322501976-0022 <i>Unable to separate</i>	Exterior - west wall at entry - Peeling stucco texture coat	Gray/Pink Non-Fibrous Heterogeneous	  HA: 09	100% Non-fibrous (Other)	<1% Chrysotile
B-23-Texture Coat/Plaster  322501976-0023 <i>Unable to separate</i>	Exterior - west wall at entry - Peeling stucco texture coat	Gray/Pink Non-Fibrous Heterogeneous	  HA: 09	100% Non-fibrous (Other)	<1% Chrysotile
B-24-Texture Coat/Plaster  322501976-0024	Exterior - west wall at entry - Peeling stucco texture coat	Gray/Pink Non-Fibrous Homogeneous	  HA: 09	100% Non-fibrous (Other)	<1% Chrysotile

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Project ID:

## Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
B-25 322501976-0025	Exterior - west wall at entry - Damaged window glazing compound	Gray/Beige Non-Fibrous Homogeneous	HA: 10	100% Non-fibrous (Other)	<1% Chrysotile
B-26 322501976-0026	Exterior - west wall at entry - Damaged window glazing compound	White Non-Fibrous Homogeneous	HA: 10	100% Non-fibrous (Other)	None Detected
B-27 322501976-0027	Exterior - west wall at entry - Damaged window glazing compound	Gray Non-Fibrous Homogeneous	HA: 10	100% Non-fibrous (Other)	<1% Chrysotile

Analyst(s)

Kieu-anh Pham Duong (29)

Nahid Motamedi (13)

Feng Liang, Laboratory Manager  
or Other Approved Signatory

LA Testing maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by LA Testing. LA Testing bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore LA Testing recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by LA Testing South Pasadena, CA NVLAP Lab Code 200232-0, CA ELAP 2283

Initial report from: 02/04/2025 11:14:16



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#322501976



XYWE-UPWT-3GY7

**Client Information**  
Ecology Environmental, Inc.  
Ventura, CA  
ECEC42

**Project Overview**  
Client Ecology Environmental, Inc.  
PO Number  
Project Name  
Project ID  
Bill To  
Report To Contact  
Report To Email  
Special Instructions

**Project Site**  
Building Type  
Address  
City  
State  
Zip  
School or Day Care Center  
FHS - Library Storage  
CA

**Testing Laboratory**  
South Pasadena  
South Pasadena, CA 91030

**Asbestos Bulk**

HA	Sample ID	Material	Location	Date/Time Collected	Test Method	TAT	Notes
01	B-1	12" ACT - white "random" dot	Ceilings	2/2/2025 9:15 AM	PLM EPA 600	24 Hour	
01	B-2	12" ACT - white "random" dot	Ceilings	2/2/2025 9:15 AM	PLM EPA 600	24 Hour	
01	B-3	12" ACT - white "random" dot	Ceilings	2/2/2025 9:15 AM	PLM EPA 600	24 Hour	
02	B-4	12" ACT - off-white uniform dot	Upper walls	2/2/2025 9:15 AM	PLM EPA 600	24 Hour	
02	B-5	12" ACT - off-white uniform dot	Upper walls	2/2/2025 9:15 AM	PLM EPA 600	24 Hour	
02	B-6	12" ACT - off-white uniform dot	Upper walls	2/2/2025 9:15 AM	PLM EPA 600	24 Hour	
03	B-7	Flooring under carpet - adhesive/VF/T/mastics	Interior	2/2/2025 9:15 AM	PLM EPA 600	24 Hour	
03	B-8	Flooring under carpet - adhesive/VF/T/mastics	Interior	2/2/2025 9:15 AM	PLM EPA 600	24 Hour	
03	B-9	Flooring under carpet - adhesive/VF/T/mastics	Interior	2/2/2025 9:15 AM	PLM EPA 600	24 Hour	
04	B-10	Plaster wall materials	Interior walls	2/2/2025 9:15 AM	PLM EPA 600	24 Hour	
04	B-11	Plaster wall materials	Interior walls	2/2/2025 9:15 AM	PLM EPA 600	24 Hour	
04	B-12	Plaster wall materials	Interior walls	2/2/2025 9:15 AM	PLM EPA 600	24 Hour	
04	B-13	Plaster wall materials	Interior walls	2/2/2025 9:15 AM	PLM EPA 600	24 Hour	
04	B-14	Plaster wall materials	Interior walls	2/2/2025 9:15 AM	PLM EPA 600	24 Hour	
05	B-15	Vapor barrier	Interior ceilings/walls	2/2/2025 9:15 AM	PLM EPA 600	24 Hour	

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XYWE-UPWT-3GY7

HA	Sample ID	Material	Location	Date/Time Collected	Test Method	TAT	Notes
05	B-16	Vapor barrier	Interior ceilings/walls	2/2/2025 9:15 AM	PLM EPA 600	24 Hour	
06	B-17	Textured ceiling material	Restroom	2/2/2025 9:15 AM	PLM EPA 600	24 Hour	
06	B-18	Textured ceiling material	Restroom	2/2/2025 9:15 AM	PLM EPA 600	24 Hour	
06	B-19	Textured ceiling material	Restroom	2/2/2025 9:15 AM	PLM EPA 600	24 Hour	
07	B-20	Wall tile, mortar, grout	Restroom	2/2/2025 9:15 AM	PLM EPA 600	24 Hour	
08	B-21	Floor tile, mortar, grout	Restroom	2/2/2025 9:15 AM	PLM EPA 600	24 Hour	
09	B-22	Peeling stucco texture coat	Exterior - west wall at entry	2/2/2025 9:15 AM	PLM EPA 600	24 Hour	
09	B-23	Peeling stucco texture coat	Exterior - west wall at entry	2/2/2025 9:15 AM	PLM EPA 600	24 Hour	
09	B-24	Peeling stucco texture coat	Exterior - west wall at entry	2/2/2025 9:15 AM	PLM EPA 600	24 Hour	
10	B-25	Damaged window glazing compound	Exterior - west wall at entry	2/2/2025 9:15 AM	PLM EPA 600	24 Hour	
10	B-26	Damaged window glazing compound	Exterior - west wall at entry	2/2/2025 9:15 AM	PLM EPA 600	24 Hour	
10	B-27	Damaged window glazing compound	Exterior - west wall at entry	2/2/2025 9:15 AM	PLM EPA 600	24 Hour	

Sampled By / Date

Feb 2, 2025

Relinquished By / Date

Feb 2, 2025

CHC 14.571  
2.2.2025  
10.4



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XYWE-UPWT-3GY7

Danville 1/17/2015 (03/23/25 8:00  
Received (Lab) / Date



# LA Testing

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LA Testing Order: 322502676

Customer ID: ECEC42

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**Attention:** Kevin Hanson  
Ecology Environmental, Inc.  
8430 N. Ventura Ave  
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**Phone:** (805) 223-6462

**Fax:**

**Received Date:** 02/11/2025 8:00 AM

**Analysis Date:** 02/11/2025

**Collected Date:** 02/10/2025

**Project:** 555 Central Ave

## Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
B-1-Shingle 322502676-0001	Library Roof - Roofing layers	Gray/Black Fibrous Heterogeneous	15% Glass HA: 01	85% Non-fibrous (Other)	None Detected
B-1-Felt 322502676-0001A	Library Roof - Roofing layers	Black Fibrous Homogeneous	20% Glass HA: 01	80% Non-fibrous (Other)	None Detected
B-1-Barrier Paper 322502676-0001B	Library Roof - Roofing layers	Brown Fibrous Homogeneous	35% Cellulose HA: 01	65% Non-fibrous (Other)	None Detected
B-1-Tar 322502676-0001C	Library Roof - Roofing layers	Black Non-Fibrous Homogeneous	HA: 01	100% Non-fibrous (Other)	None Detected
B-2-Shingle 322502676-0002	Library Roof - Roofing layers	Gray/Black Fibrous Heterogeneous	15% Glass HA: 01	85% Non-fibrous (Other)	None Detected
B-2-Felt 322502676-0002A	Library Roof - Roofing layers	Black Fibrous Homogeneous	20% Glass HA: 01	80% Non-fibrous (Other)	None Detected
B-2-Tar 322502676-0002B	Library Roof - Roofing layers	Black Non-Fibrous Homogeneous	HA: 01	100% Non-fibrous (Other)	None Detected
B-3-Shingle 322502676-0003	Library Roof - Roofing layers	Gray/Black Fibrous Homogeneous	15% Glass HA: 01	85% Non-fibrous (Other)	None Detected
B-3-Felt 322502676-0003A	Library Roof - Roofing layers	Black Fibrous Homogeneous	20% Glass HA: 01	80% Non-fibrous (Other)	None Detected
B-3-Barrier Paper 322502676-0003B	Library Roof - Roofing layers	Brown Fibrous Homogeneous	35% Cellulose HA: 01	65% Non-fibrous (Other)	None Detected
B-3-Tar 322502676-0003C	Library Roof - Roofing layers	Black Non-Fibrous Homogeneous	HA: 01	100% Non-fibrous (Other)	None Detected
B-4-Shingle 322502676-0004	Library Roof - Roofing layers	White/Black Fibrous Heterogeneous	10% Glass HA: 01	90% Non-fibrous (Other)	None Detected

Initial report from: 02/11/2025 18:19:56



# LA Testing

520 Mission Street South Pasadena, CA 91030

Tel/Fax: (323) 254-9960 / (323) 254-9982

<http://www.LATesting.com> / [pasadenalab@lateesting.com](mailto:pasadenalab@lateesting.com)

LA Testing Order: 322502676

Customer ID: ECEC42

Customer PO:

Project ID:

## Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
B-4-Felt  322502676-0004A	Library Roof - Roofing layers	Black Fibrous Homogeneous	25% Glass  HA: 01	75% Non-fibrous (Other)	None Detected
B-4-Barrier Paper  322502676-0004B	Library Roof - Roofing layers	Brown Fibrous Homogeneous	40% Cellulose  HA: 01	60% Non-fibrous (Other)	None Detected
B-5  322502676-0005	Library Roof - HVAC seam sealant	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
B-6-Sealant 1  322502676-0006	Library Roof - HVAC seam sealant	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
B-6-Sealant 2  322502676-0006A	Library Roof - HVAC seam sealant	White/Gold Non-Fibrous Homogeneous		8% Mica 92% Non-fibrous (Other)	None Detected
B-6-Mastic Like  322502676-0006B	Library Roof - HVAC seam sealant	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
B-7  322502676-0007	Library Roof - HVAC penetration mastic	Black Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
B-8  322502676-0008	Library Roof - HVAC penetration mastic	Gray/Black Non-Fibrous Homogeneous	10% Cellulose  HA: 03	90% Non-fibrous (Other)	None Detected
B-9  322502676-0009	Library Roof - Vent penetration mastic	Black/Silver Non-Fibrous Homogeneous	5% Cellulose  HA: 04	95% Non-fibrous (Other)	None Detected
B-10  322502676-0010	Library Roof - Vent penetration mastic	Gray/Black Non-Fibrous Homogeneous	10% Cellulose  HA: 04	90% Non-fibrous (Other)	None Detected
B-11  322502676-0011	Library Roof - Vent penetration mastic	Gray/Black Non-Fibrous Heterogeneous	8% Cellulose 2% Glass  HA: 04	90% Non-fibrous (Other)	None Detected
B-12-Silver Paint  322502676-0012	Library Roof - Exhaust vent roofing/riser QAQC	Black/Silver Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
B-12-Roofing  322502676-0012A	Library Roof - Exhaust vent roofing/riser QAQC	Black Fibrous Heterogeneous	15% Cellulose  HA: 05	85% Non-fibrous (Other)	None Detected
B-13-Silver Paint/Mastic  322502676-0013 Unable to separate	Library Roof - Silver paint on mastic (conduit)	Black/Silver Non-Fibrous Heterogeneous		95% Non-fibrous (Other)	5% Chrysotile
			HA: 06		

Initial report from: 02/11/2025 18:19:56



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LA Testing Order: 322502676

Customer ID: ECEC42

Customer PO:

Project ID:

## Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	<u>Non-Asbestos</u>		<u>Asbestos</u>
			% Fibrous	% Non-Fibrous	% Type
B-13-Tar 322502676-0013A	Library Roof - Silver paint on mastic (conduit)	Black Non-Fibrous Homogeneous	HA: 06	100% Non-fibrous (Other)	None Detected
B-13-Foam Like 322502676-0013B	Library Roof - Silver paint on mastic (conduit)	Black Non-Fibrous Homogeneous	HA: 06	100% Non-fibrous (Other)	None Detected

Analyst(s)

Brittany Quiring (8)

Tania Lopez (20)

Feng Liang, Laboratory Manager  
or Other Approved Signatory

LA Testing maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by LA Testing. LA Testing bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore LA Testing recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by LA Testing South Pasadena, CA NVLAP Lab Code 200232-0, CA ELAP 2283

Initial report from: 02/11/2025 18:19:56



**EMSL ANALYTICAL, INC.**  
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#322502676



P6GU-RDGG-3QW6

**Client Information**  
Ecology Environmental, Inc.  
Ventura, CA  
ECEC42

**Project Overview**  
Client Ecology Environmental  
PO Number  
Project Name  
Project ID  
Bill To  
Report To Contact  
Report To Email  
Special Instructions

**Project Site**  
Building Type  
Address  
City  
State  
Zip  
School or Day Care Center  
555 Central Ave  
CA

**Testing Laboratory**  
South Pasadena  
South Pasadena, CA 91030

**Asbestos Bulk**

HA	Sample ID	Material	Location	Date/Time Collected	Test Method	TAT	Notes
01	B-1	Roofing layers	Library Roof	2/10/2025 1:24 PM	PLM EPA 600	24 Hour	
01	B-2	Roofing layers	Library Roof	2/10/2025 1:24 PM	PLM EPA 600	24 Hour	
01	B-3	Roofing layers	Library Roof	2/10/2025 1:24 PM	PLM EPA 600	24 Hour	
01	B-4	Roofing layers	Library Roof	2/10/2025 1:24 PM	PLM EPA 600	24 Hour	
02	B-5	HVAC seam sealant	Library Roof	2/10/2025 1:24 PM	PLM EPA 600	24 Hour	
02	B-6	HVAC seam sealant	Library Roof	2/10/2025 1:24 PM	PLM EPA 600	24 Hour	
03	B-7	HVAC penetration mastic	Library Roof	2/10/2025 1:24 PM	PLM EPA 600	24 Hour	
03	B-8	HVAC penetration mastic	Library Roof	2/10/2025 1:24 PM	PLM EPA 600	24 Hour	
04	B-9	Vent penetration mastic	Library Roof	2/10/2025 1:24 PM	PLM EPA 600	24 Hour	
04	B-10	Vent penetration mastic	Library Roof	2/10/2025 1:24 PM	PLM EPA 600	24 Hour	
04	B-11	Vent penetration mastic	Library Roof	2/10/2025 1:24 PM	PLM EPA 600	24 Hour	
05	B-12	Exhaust vent roofing/riser QAQC	Library Roof	2/10/2025 1:24 PM	PLM EPA 600	24 Hour	
06	B-13	Silver paint on mastic (conduit)	Library Roof	2/10/2025 1:24 PM	PLM EPA 600	24 Hour	



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*[Handwritten signature]*

Sampled By / Date

Feb 10, 2025

*[Handwritten signature]*

Relinquished By / Date

Feb 10, 2025

*Daniela Ninskas (DB) 2/11/25 8:00*  
Received (Lab) / Date

# 3 2 2 5 0 2 6 7 6



P6GU-RDGG-3QW6

Date	Test #	Ion Model/I	Component	Pb	Pb +/-	Pb P/F	Color	SIDE	SUBSTRAT	FEATURE	ROOM
2/1/2025 13:52	1	PCS Cal		1.07	0.02	Positive					
2/1/2025 13:52	2	PCS Cal		1.08	0.02	Positive					
2/1/2025 13:52	3	PCS Cal		1.01	0.02	Positive					
2/1/2025 13:52	4	PCS Cal		1.05	0.01	Positive					
2/1/2025 13:55	5	LeadPaint	Ceiling	0.02	0.01	Negative	White			Wood	Library Storage
2/1/2025 13:55	6	LeadPaint	Wall	ND	< 0.07	Negative	White	A		Plaster	Library Storage
2/1/2025 13:56	7	LeadPaint	Wall	0.06	0.01	Negative	Green	B		Plaster	Library Storage
2/1/2025 13:56	8	LeadPaint	Wall	ND	< 0.17	Negative	White	A		Plaster	Library Storage
2/1/2025 13:57	9	LeadPaint	Wall	0.04	0.01	Negative	White	B		Plaster	Library Storage
2/1/2025 13:58	10	LeadPaint	Wall	ND	< 0.01	Negative	White	D		Plaster	Library Storage
2/1/2025 13:58	11	LeadPaint	Wall	0.05	0.01	Negative	Green	C		Plaster	Library Storage
2/1/2025 13:59	12	LeadPaint	Door	ND	< 0.01	Negative	Brown	A		Wood	Library Storage
2/1/2025 13:59	13	LeadPaint	Door	0.46	0.01	Negative	Brown	A		Wood	Jamb Library Storage
2/1/2025 14:00	14	LeadPaint	Circuit Breaker	0.17	0.01	Negative	Green	C		Metal	Library Storage
2/1/2025 14:00	15	LeadPaint	Door	ND	< 0.01	Negative	White	C		Wood	Library Storage
2/1/2025 14:00	16	LeadPaint	Door	0.23	0.01	Negative	Green	C		Wood	Jamb Library Storage
2/1/2025 14:01	17	LeadPaint	Wall	ND	< 0.09	Negative	White	D		Plaster	Library Storage
2/1/2025 14:01	18	LeadPaint	Wall	0.06	0.01	Negative	White	C		Plaster	Library Storage
2/1/2025 14:02	19	LeadPaint	Wall	0.08	0.03	Negative	White	B		Plaster	Library Storage
2/1/2025 14:02	20	LeadPaint	Wall	ND	< 0.09	Negative	White	A		Plaster	Library Storage
2/1/2025 14:03	21	LeadPaint	Wall	0.05	0.01	Negative	White	C		Plaster	Library Storage
2/1/2025 14:03	22	LeadPaint	Wall	0.15	0.05	Negative	White	D		Plaster	Library Storage
2/1/2025 14:04	23	LeadPaint	Door	ND	< 0.01	Negative	Blue	C		Metal	Library Storage
2/1/2025 14:04	24	LeadPaint	Door	0.01	0.01	Negative	Blue	C		Metal	Jamb Library Storage
2/1/2025 14:05	25	LeadPaint	Window	0.03	0.01	Negative	White	C		Wood	Sill Library Storage
2/1/2025 14:05	26	LeadPaint	Window	0.44	0.06	Negative	White	C		Wood	Trim Library Storage
2/1/2025 14:07	27	LeadPaint	Cabinet	0	0.01	Negative	Brown	A		Wood	Library Storage
2/1/2025 14:07	28	LeadPaint	Cabinet	ND	< 0.01	Negative	Brown	A		Wood	Library Storage
2/1/2025 14:08	29	LeadPaint	Ceiling	ND	< 0.01	Negative	White	A		Metal	Library Office
2/1/2025 14:08	30	LeadPaint	Wall	ND	< 0.08	Negative	White	A		Plaster	Library Office
2/1/2025 14:09	31	LeadPaint	Window	ND	< 0.15	Negative	White	A		Wood	Sill Library Office
2/1/2025 14:09	32	LeadPaint	Door	ND	< 0.01	Negative	White	A		Wood	Library Office
2/1/2025 14:10	33	LeadPaint	Wall	0.04	0.01	Negative	White	B		Plaster	Library Office
2/1/2025 14:10	34	LeadPaint	Window	0.16	0.05	Negative	White	B		Wood	Sill Library Office
2/1/2025 14:11	35	LeadPaint	Wall	0.06	0.01	Negative	White	C		Plaster	Library Office

2/1/2025 14:11	36	LeadPaint	Window	ND	< 0.08	Negative	White	C	Wood	Sill	Library Office
2/1/2025 14:12	37	LeadPaint	Wall	0.02	0.01	Negative	White	D	Plaster		Library Office
2/1/2025 14:12	38	LeadPaint	Window	0.14	0.01	Negative	White	D	Wood	Sill	Library Office
2/1/2025 14:13	39	LeadPaint	Cabinet	ND	< 0.01	Negative	White	D	Wood		Library Office
2/1/2025 14:15	40	LeadPaint	Ceiling	0.05	0.01	Negative	White	Center	Plaster		Bathroom
2/1/2025 14:16	41	LeadPaint	Wall	0.06	0.01	Negative	Brown	B	Plaster		Bathroom
2/1/2025 14:16	42	LeadPaint	Wall	0.06	0.01	Negative	Blue	B	Plaster		Bathroom
2/1/2025 14:16	43	LeadPaint	Wall	0.06	0.01	Negative	Green	B	Plaster		Bathroom
2/1/2025 14:17	44	LeadPaint	Wall	ND	< 0.10	Negative	Red	B	Plaster		Bathroom
2/1/2025 14:17	45	LeadPaint	Wall	ND	< 0.12	Negative	Yellow	B	Plaster		Bathroom
2/1/2025 14:18	46	LeadPaint	Wall	0.07	0.01	Negative	Black	B	Plaster		Bathroom
2/1/2025 14:18	47	LeadPaint	Wall	ND	< 0.15	Negative	Orange	B	Plaster		Bathroom
2/1/2025 14:18	48	LeadPaint	Wall	0.05	0.01	Negative	Pink	B	Plaster		Bathroom
2/1/2025 14:19	49	LeadPaint	Toilet	ND	< 0.01	Negative	White	C	Porcelain		Bathroom
2/1/2025 14:19	50	LeadPaint	Sink	ND	< 0.01	Negative	White	C	Porcelain		Bathroom
<b>2/1/2025 14:19</b>	<b>51</b>	<b>LeadPaint</b>	<b>Wall</b>	<b>5.88</b>	<b>0.17</b>	<b>Positive</b>	<b>Pink</b>	<b>A</b>	<b>Tile</b>		<b>Bathroom</b>
2/1/2025 14:20	52	LeadPaint	Door	ND	< 0.01	Negative	Brown	C	Wood		Bathroom
2/1/2025 14:20	53	LeadPaint	Door	0.09	0.01	Negative	Green	C	Wood	Trim	Bathroom
2/1/2025 14:23	54	LeadPaint	Wall	ND	< 0.09	Negative	Blue	A	Wood		Library
2/1/2025 14:24	55	LeadPaint	Wall	0.23	0.05	Negative	Blue	A	Wood		Library
2/1/2025 14:24	56	LeadPaint	Wall	0.36	0.06	Negative	White	A	Wood		Library
2/1/2025 14:24	57	LeadPaint	Wall	ND	< 0.10	Negative	Blue	A	Wood		Library
2/1/2025 14:24	58	LeadPaint	Wall	0.24	0.01	Negative	Blue	A	Wood		Library
2/1/2025 14:25	59	LeadPaint	Window	0.28	0.05	Negative	White	A	Wood		Library
2/1/2025 14:26	60	LeadPaint	Window	0.13	0.04	Negative	White	A	Wood		Library
2/1/2025 14:26	61	LeadPaint	Door	ND	< 0.01	Negative	Grey	A	Metal		Library
2/1/2025 14:27	62	LeadPaint	Door	0.03	0.01	Negative	Grey	A	Metal	Trim	Library
2/1/2025 14:28	63	LeadPaint	Door	ND	< 0.01	Negative	Grey	A	Metal		Library
2/1/2025 14:28	64	LeadPaint	Door	0.02	0.01	Negative	Grey	A	Metal	Trim	Library
<b>2/1/2025 14:34</b>	<b>65</b>	<b>PCS Cal</b>		<b>1.02</b>	<b>0.02</b>	<b>Positive</b>					
<b>2/1/2025 14:34</b>	<b>66</b>	<b>PCS Cal</b>		<b>0.98</b>	<b>0.02</b>	<b>Positive</b>					
<b>2/1/2025 14:34</b>	<b>67</b>	<b>PCS Cal</b>		<b>1.03</b>	<b>0.02</b>	<b>Positive</b>					
<b>2/1/2025 14:34</b>	<b>68</b>	<b>PCS Cal</b>		<b>1.01</b>	<b>0.01</b>	<b>Positive</b>					

## CONDITION

[illegible]

[illegible]