



11815 NE 99th Street, Suite 1294  
Vancouver, WA 98662  
Voice: 360-574-3058  
Fax: 360-576-0925  
Web: <https://www.swcleanair.gov>  
Email: [Tina@swcleanair.gov](mailto:Tina@swcleanair.gov)

## Notice of Intent to Remove Asbestos

Case #: 24-200

Amendment: 1

Date Received: 4/1/2024

Date Paid: 3/28/2024

SWCAA Fee: \$735.00

Receipt #: 153495880

**This notification MUST be present at all times at the asbestos project sit**

Quantity to be removed: 1439 Square Feet 1000 Linear Feet

Workshift days: M T W Th F

Project starting date: 4/8/2024 Project Completion date: 4/12/2024

Workshift hours: 8:00 am - 4:30pm

Site Name: Centralia - Seminary Hill ACM

Site address: 2353 Seminary Hill Rd

Location of Asbestos: Ceiling, Flooring, Wire Insulation

City/State/Zip: Centralia

WA

98374

☐ Demolition of Structure (Notification of Demolition required)

County: LEWIS COUNTY

☒ Asbestos survey conducted?

No survey reason:

AHERA Inspector:

Certification #:

### Material to be Removed:

☐ Fireproofing ☒ Popcorn Ceiling ☐ CAB ☐ Sheet Vinyl ☐ Boiler Insulation ☐ Duct Tape

☐ Duct Paper ☐ Mag Pipe Insulation

☐ Air Cell

☐ CA Pipe

☐ VAT

☒ Other Sheet Vinyl Flooring with mastic, Wire Insulation, Mastic on Particle Board, Vinyl Floor Tile,

### Control Methods:

☒ N.P Enclosure

☐ Glove Bag

☐ Mini Enclosure

☐ Wrap and Cut

☒ Water

☒ HEPA Vac

☒ Other Manual Methods, PAPR, Critical Barriers

Asbestos Contractor: 3 Kings Environmental Inc.

Phone: 253-750-4143

Mailing Address: PO Box 280, Battle Ground, WA, 98604

Email: [jhawks@3kingsinc.com](mailto:jhawks@3kingsinc.com)

Certification ##: ABCN00001318

Supervisor: Emily Weiss

Phone: 253-750-4143

Property Owner: City of Centralia

Phone: 360-330-7512

Mailing Address: 1100 N. Tower Ave, Cantrailia WA 98531

Asbestos Disposal Site: Wasco County Landfill: 2550 Steele Rd, The Dalles, OR, 97058-

**I DO HEREBY CERTIFY THAT THE INFORMATION CONTAINED IN THIS NOTIFICATION IS,  
TO THE BEST OF MY KNOWLEDGE, ACCURATE AND COMPLETE.**

Submitter Name: Kristine Bantz

Representing: 3 Kings Environmental

Submitter Title: Office Admin

Date Submitted: 4/1/2024

Reviewed by SWCAA: Mihai Voivod

☒ Approved



11815 NE 99th Street, Suite 1294  
Vancouver, WA 98662  
Voice: 360-574-3058  
Fax: 360-576-0925  
Web: <https://www.swcleanair.gov>  
Email: [Tina@swcleanair.gov](mailto:Tina@swcleanair.gov)

## Notice of Intent to Remove Asbestos

Case #: 24-200

Amendment: 1

Date Received: 4/1/2024

Date Paid: 3/28/2024

SWCAA Fee: \$735.00

Receipt #: 153495880

**This notification MUST be present at all times at the asbestos project sit**

# Hazardous Materials Survey Report

Seminary Hill Road Property  
Residential Structure Demolition Project  
2353 Seminary Hill Road  
Centralia, Washington 98531

Prepared for:  
City of Centralia  
1100 N Tower Avenue  
Centralia, Washington 98531

January 2024  
PBS Project 41093.009



214 E GALER STREET, SUITE 300  
SEATTLE, WA 98102  
206.233.9639 MAIN  
866.727.0140 FAX  
[PBSUSA.COM](http://PBSUSA.COM)

## Table of Contents

<b>1</b>	<b>INTRODUCTION .....</b>	<b>1</b>
1.1	Project Background.....	1
1.2	Building Descriptions .....	1
1.3	Survey Process .....	1
<b>2</b>	<b>FINDINGS.....</b>	<b>1</b>
2.1	Asbestos-Containing Materials (ACMs) .....	1
2.2	Lead-Containing Components .....	3
2.3	Mercury-Containing Components.....	3
2.4	PCB-Containing Components.....	3
<b>3</b>	<b>RECOMMENDATIONS.....</b>	<b>3</b>
3.1	Asbestos-Containing Materials (ACMs) .....	3
3.2	Lead-Containing Components .....	4
3.3	Mercury-Containing Components.....	4
3.4	PCB-Containing Components.....	4

## APPENDICES

### Appendix A: Asbestos Sampling Information

PLM Bulk Sample Inventory

PLM Bulk Sample Laboratory Data Sheets and Chain-of-Custody Documentation

### Appendix B: AA Lead Paint Chip Sampling Information

AA Lead Paint Chip Sample Inventory

AA Lead Paint Chip Laboratory Data Sheets and Chain-of-Custody Documentation

### Appendix C: Certifications

## 1 INTRODUCTION

### 1.1 Project Background

PBS Engineering and Environmental Inc. (PBS) performed a hazardous materials survey of the Seminary Hill Road Property at 2353 Seminary Hill Road, in Centralia, Washington, in conjunction with the planned demolition of the structure. The intent of this investigation is to ensure that the City of Centralia is in compliance with applicable regulatory requirements that a "good faith inspection" for asbestos-containing materials (ACMs) be performed prior to demolition activities.

At the request of the City of Centralia, all accessible areas of the single-family residence and the wood-framed outhouse were inspected for the presence of ACMs, lead-containing paint (LCP), polychlorinated biphenyl (PCB) containing light ballasts and mercury-containing fluorescent lamps. No other structures on site were assessed by PBS.

### 1.2 Building Descriptions

The Seminary Hill Road Property consists of a two-story wood-framed residential structure originally constructed in the 1950s, a wood-framed shed, and a metal-framed workshop. Both the residential structure and wood-framed shed are to be demolished. Interior finishes within the residence include carpeting, sheet vinyl flooring, vinyl floor tiles, and wood. The walls are gypsum wallboard, some featuring wall paneling. The pitched roof features three-tab composition shingles over an asphaltic paper barrier. Windows are aluminum framed. Heating is provided via forced air.

### 1.3 Survey Process

Accessible areas included in the project scope were inspected by Asbestos Hazard Emergency Response Act (AHERA) Certified Building Inspector Cameron Budnick (Cert. No. IR-23-9630B, Exp. 09/19/24) on December 15, 2023. PBS endeavored to inspect all accessible areas of the scope of work. Inaccessible areas consist of those requiring fall protection or confined space entry protocols in order to gain access.

All suspect asbestos samples were assigned a unique identification number and transmitted for analysis to Seattle Asbestos Test (NVLAP #200768-0) in Lynnwood, Washington under chain-of-custody protocols. Samples were analyzed according to Environmental Protection Agency (EPA) Method 600R-93/116 using polarized light microscopy (PLM), which has a reliable limit of quantification of 1% asbestos by volume. Information regarding the type and location of sampled materials can be found on the attached PLM sample inventory in Appendix A.

Suspect ACMs may exist in inaccessible areas. PBS endeavored to determine the presence and estimate the condition of suspect materials in all inaccessible areas included in the scope of work.

## 2 FINDINGS

### 2.1 Asbestos-Containing Materials (ACMs)

Regulated asbestos-containing building materials are defined by EPA as containing greater than 1% asbestos by weight.

The following materials were determined to contain **greater than 1%** asbestos:

- **Popcorn ceiling texture** – Living room (Approximately 300 SF)
- **Brown mastic** associated with stone-pattern and white particle board wall paneling – Living room (Approximately 380 SF)

- **Joint compound** (2%) associated with gypsum wallboards – Throughout structure
- **Black sink undercoat** – Kitchen sink (Approximately 1 EA)
- **ACM yellow square mosaic pattern sheet vinyl flooring on top of ACM white/brown pattern sheet vinyl flooring and associated mastics**
  - Kitchen below non-ACM light blue/gray sheet vinyl flooring (Approximately 200 SF)
  - Laundry room (Approximately 150 SF)
- **9" light speckle vinyl floor tile and black mastic** – Sunroom, Bedroom 1, Bedroom 2 (Approximately. 400 SF)
- **Black sealant** associated with chimney flashing – Roof at chimney (Approximately 4 SF)
- **Woven wire insulation** – Throughout structure (Presumed approximately 1,000 LF)

The following materials were sampled and found to **contain less than 1%** asbestos with composite analysis:

- Joint compound (2%) associated with gypsum wallboard (<1% as a composite) – Throughout structure

Asbestos-containing joint compound associated with non-asbestos gypsum wallboard (GWB) assemblies were found in the residence. All gypsum wallboard joint compounds throughout the project are presumed to be asbestos-containing unless sampled and proven otherwise. The presence of asbestos in the joint compound requires personnel impacting the material to adhere to regulatory requirements outlined in Washington Administrative Code (WAC) 296-62-17712(2) and training as outlined in WAC 296-62-07722(5) and WAC 296-62-0728. Personal protective equipment and proper work practices (i.e., wet methods and HEPA-vacuuming) are required pending the completion of a negative exposure assessment. Such an assessment may include air monitoring of workers' breathing zones. Refer to WISHA Regional Directive 23.30 for additional information.

The following materials were sampled and **did not contain** detectable concentrations of asbestos:

- Knockdown wall texture – Throughout attic
- Wallpaper and mastic – Kitchen and sunroom
- Laminate backsplash and yellow mastic – Kitchen
- Fiberglass reinforced paneling with yellow mastic – Restroom
- Fireplace mortar – Lounge
- Window sealant – Living room
- Light yellow square pattern sheet vinyl flooring with red backing and mastic – Restroom
- Light yellow square pattern sheet vinyl flooring over rock pattern sheet vinyl flooring with black mastic – 1<sup>st</sup> floor stair landing room
- Gray tile pattern sheet vinyl flooring with mastic – Living room
- White carpet mastic – Lounge
- 12" blue and tan vinyl floor tile with adhesive backing – Attic, east and west rooms
- Multicolored sheet vinyl flooring – Attic, northwest small storage
- Fiberglass insulation backing paper – Attic
- Concrete masonry unit block and mortar – Throughout structure
- Brick and mortar – Throughout structure
- Siding vapor barrier – South elevation
- Roof shingles and vapor barrier – South elevation, roof, south pitch
- Concrete floor – Shed
- Roof shingles and vapor barrier – Shed
- Composition shingle siding – Shed, south elevation
- Old wavy shingle and backing – Shed siding, west elevation

For a complete listing of representative bulk sampling and associated laboratory analyses, refer to Appendix A.

## 2.2 Lead-Containing Components

Ten (10) representative painted coatings were sampled for lead content. The samples were assigned unique identification numbers and transmitted to NVL Laboratories, Inc., (AIHA IH #101861) under chain-of-custody protocols for analysis using flame atomic absorption.

Lead was **detected** in the following painted coatings:

- Red paint on wooden door – Front door (0.11% lead)
- White paint on gypsum wallboard wall – Dining room (0.05% lead)
- Blue paint on wood siding – South elevation (3.2% lead)
- Yellow paint on wood siding – South elevation (6.8% lead)
- White paint on wood trim – South elevation (0.13% lead)
- Yellow wood siding – Shed, south elevation (4.0% lead)
- White wood siding – Shed, south elevation (0.015% lead)

Lead was **not detected** in the following painted coating:

- White paint on wood paneling – Living room
- Light blue paint on wood wainscoting – Kitchen wall
- White paint on gypsum wallboard wall – Attic

For a complete listing of representative lead sampling, and associated laboratory analysis, refer to Appendix B.

## 2.3 Mercury-Containing Components

All fluorescent light tubes are presumed to contain mercury. PBS counted 10 eight-foot tubes and 3 compact fluorescent bulb in the residence for the purposes of mercury vapor recovery prior to demolition activities. Caution should be exercised during demolition to not break these bulbs.

## 2.4 PCB-Containing Components

Fluorescent light fixture ballasts are known to contain PCBs. PBS inspected fluorescent light fixture ballasts in the residence. PBS observed one (1) magnetic ballast in fluorescent light fixtures located within the residence. All magnetic ballasts should be presumed to contain PCBs. PBS recommends all light ballasts be inspected prior to disposal.

# 3 RECOMMENDATIONS

## 3.1 Asbestos-Containing Materials (ACMs)

Asbestos-containing materials were found in various locations throughout the project site. PBS recommends that all exposed and concealed ACMs be removed prior to any construction activities. A qualified Washington State licensed asbestos abatement contractor should be employed to remove all such ACMs according to applicable local, state, and federal regulations.

Asbestos-containing joint compound associated with non-asbestos gypsum wallboard (GWB) assemblies were found to be less than 1% as a composite.

WAC 296-62-07 identifies a regulated “asbestos-containing material” as “containing more than 1% asbestos” content by weight. The referenced code also contains rules regarding materials that contain less than 1%

asbestos. These materials are not regulated by EPA or local Clean Air Agencies. It is not considered a Class I, II, III or IV work. Requirements for handling <1% asbestos are found in WAC 296-62-07712 (2,4 and 5), WAC 296-62-07722(5) and WAC 296-62-07728. A Competent person must conduct a negative exposure assessment and periodic monitoring. When working with these materials' wet methods, HEPA vacuums and prompt cleanup must be performed. 2-hr Awareness training is required for all workers disturbing this material. Items/activities that are not required for materials that contain less than 1% asbestos include; labeled disposal bags, asbestos worker certification, supervisor or contractor certifications, pre-demolition removal of the materials, and pre-removal notifications to regulatory agencies. Refer to Washington Industrial Safety and Health Act (WISHA) Regional Directive 23.30 for additional information.

The possibility exists that suspect ACM may be present in equipment, wall and ceiling cavities, and in select areas included in the scope of demolition. These may include, but are not limited to pipe insulation, below slab components vapor barriers, and construction adhesives and wall mastics. In the event that suspect ACM is uncovered during construction, contractors should stop work immediately and inform the owner promptly for confirmation testing. All untested materials should be presumed asbestos-containing or tested for asbestos content prior to impact.

Additional suspect-ACMs may be present in concealed spaces. Caution should always be exercised during demolition to prevent impact of suspect-ACMs. All suspect ACMs should be presumed asbestos-containing until properly sampled and analyzed.

### **3.2 Lead-Containing Components**

Representative painted coatings from the project locations were found to contain lead by laboratory analysis. Impact of painted surfaces with detectable concentrations of lead requires construction activities to be performed according to Washington Labor and Industries regulations for Lead in Construction (WAC 296-62-155). Workers impacting LCP should be provided the proper personal protective equipment and use proper work methods to limit occupational and environmental exposure to lead until an initial exposure assessment has been conducted.

Painted coatings may exist in inaccessible areas of the work area or in secondary coatings. Any previously unidentified painted coatings should be considered lead containing until sampled and proven otherwise.

### **3.3 Mercury-Containing Components**

Fluorescent lamps are known to contain mercury and mercury vapors. All fluorescent lamps at this site are presumed to be mercury-containing. PBS recommends that all fluorescent lamps be carefully handled and recycled/disposed of in accordance with the contract documents and applicable regulations during demolition activities. Breakage of lamps should be avoided to prevent potential exposures to mercury. L&I requires specific training, handling, engineering controls and disposal practices when performing this work. All mercury waste should be handled in accordance with WAC 173-303 Dangerous Waste Regulations.

### **3.4 PCB-Containing Components**

PBS recommends all light ballasts be inspected prior to disposal. Magnetic ballasts should be presumed to contain PCBs and properly removed, stored, transported, and disposed of in accordance with Washington Administrative Code (WAC) 173-303 Dangerous Waste Regulations and 40 CFR Part 761 Subpart D. Electronic ballasts do not contain PCBs and can be disposed of as general debris in compliance with applicable codes and endpoint facility requirements.



Please do not hesitate to contact us if you have any questions regarding this report or require additional information.

PBS Engineering and Environmental Inc.

Report Prepared by:  
Cameron Budnick  
AHERA Building Inspector  
Cert. # IR-23-9630B Exp. 09/19/2024

Report reviewed by:

Claire Tsai  
Project Manager

## **APPENDIX A**

---

### **PLM Bulk Sampling Information**

PLM Bulk Sample Inventory

PLM Bulk Sample Laboratory Data Sheets and Chain of Custody Documentation

**2353 Seminary Hill Road Demolition  
City of Centralia**

**PBS Engineering + Environmental  
PBS Project #41093.009**

**PLM ASBESTOS SAMPLE INVENTORY**

<u>PBS Sample #</u>	<u>Material Type</u>	<u>Sample Location</u>	<u>Lab Description</u>	<u>Lab Result</u>	<u>Lab</u>
41093.009-01	Popcorn ceiling texture	Living room	Layer 1: White soft lumpy material with paint	<b>3% Chrysotile</b>	SAT
41093.009-02	Popcorn ceiling texture	Living room	Layer 1: White soft lumpy material with paint	<b>3% Chrysotile</b>	SAT
41093.009-03	Popcorn ceiling texture	Living room	Layer 1: White soft lumpy material with paint	<b>3% Chrysotile</b>	SAT
41093.009-04	Knockdown wall texture	Attic, east room	Layer 1: White powdery material with paint	NAD	SAT
41093.009-05	Knockdown wall texture	Attic, west room	Layer 1: White powdery material with paint	NAD	SAT
41093.009-06	Knockdown wall texture	Attic, west room	Layer 1: White powdery material with paint	NAD	SAT
41093.009-07	White particle board panel Board material Brown mastic	Living room	Layer 1: Brown paper with paint Layer 2: Brown wood block Layer 3: Brown mastic	NAD NAD <b>3% Chrysotile</b>	SAT
41093.009-08	Stone pattern particle board panel Brown mastic	Living room	Layer 1: Brown fibrous material with paint Layer 2: Brown mastic	NAD <b>3% Chrysotile</b>	SAT
41093.009-09	Wallpaper Mastic	Dining room, SW corner	Layer 1: Yellow paper Layer 2: Trace clear mastic	NAD NAD	SAT
41093.009-10	Kitchen laminate backsplash Yellow mastic	Kitchen counter	Layer 1: White/brown brittle/rigid material Layer 2: Tan mastic	NAD NAD	SAT
41093.009-11	Fiberglass reinforced paneling  Light mastic Wallboard backing paper	Restroom	Layer 1: White brittle/rigid material with woven fibrous material Layer 2: Cream mastic Layer 3: Brown fibrous material with paint	NAD  NAD NAD	SAT
41093.009-12	Joint compound Gypsum wallboard Grey foam	Attic hallway	Layer 1: White powdery material Layer 2: White chalky material with paper Layer 3: Gray foamy material	NAD NAD NAD	SAT

**2353 Seminary Hill Road Demolition  
City of Centralia**

**PBS Engineering + Environmental  
PBS Project #41093.009**

**PLM ASBESTOS SAMPLE INVENTORY**

<u>PBS Sample #</u>	<u>Material Type</u>	<u>Sample Location</u>	<u>Lab Description</u>	<u>Lab Result</u>	<u>Lab</u>
41093.009-13	Joint compound Gypsum wallboard	Bedroom 2	Layer 1: Trace white powdery material with paint Layer 2: White chalky material with paper Layer 3: Gray foamy material	NAD NAD NAD	SAT
41093.009-14	Joint compound  Gypsum wallboard	Attic, west room	Layer 1: White powdery material with woven fibrous material and paint Layer 2: White chalky material with paper Layer 3: Gray foamy material	NAD  NAD NAD	SAT
41093.009-15	Joint compound  Gypsum wallboard  Grey foam	Kitchen, southwest wall	Layer 1: White powdery material with woven fibrous material and paint Layer 2: White chalky material with paper  Layer 3: Gray foamy material	<b>2% Chrysotile</b>  NAD Composite <1% NAD	SAT
41093.009-16	Joint compound  Gypsum wallboard	Sunroom, northeast corner	Layer 1: White powdery material with paint and paper Layer 2: White chalky material with paper  Layer 3: Gray foamy material	<b>2% Chrysotile</b>  NAD Composite <1% NAD	SAT
41093.009-17	Fireplace stone mortar	Lounge	Layer 1: Gray hard sandy/brittle material Layer 2: Gray sandy/brittle material	NAD NAD	SAT
41093.009-18	Black sink undercoat	Kitchen sink	Layer 1: Black soft/loose material	<b>3% Chrysotile</b>	SAT
41093.009-19	Window sealant at rough opening	Living room	Layer 1: Clear/yellow soft/elastic material	NAD	SAT
41093.009-20	Light yellow square pattern sheet vinyl flooring backing Red backing Mastic	Restroom	Layer 1: Light yellow sheet vinyl  Layer 2: Gray fibrous material with mastic Layer 3: Red vinyl Layer 4: Black asphaltic fibrous material with mastic	NAD  NAD NAD NAD	SAT

**2353 Seminary Hill Road Demolition  
City of Centralia**

**PBS Engineering + Environmental  
PBS Project #41093.009**

**PLM ASBESTOS SAMPLE INVENTORY**

<u>PBS Sample #</u>	<u>Material Type</u>	<u>Sample Location</u>	<u>Lab Description</u>	<u>Lab Result</u>	<u>Lab</u>
41093.009-21	Light yellow square pattern sheet vinyl flooring with cream mastic Rock pattern sheet vinyl flooring Black mastic	First floor stair landing	Layer 1: Light yellow sheet vinyl Layer 2: Cream mastic Layer 3: Yellow rock pattern sheet vinyl Layer 4: Gray fibrous material with black mastic	NAD NAD NAD NAD	SAT
41093.009-22	Light blue/gray sheet vinyl flooring Gray backing and black mastic Yellow square mosaic pattern sheet vinyl flooring Gray backing and black mastic White and brown pebbly sheet vinyl flooring Gray backing with mastic	Kitchen	Layer 1: Blue/gray sheet vinyl Layer 2: Gray fibrous material with black mastic Layer 3: Yellow sheet vinyl  Layer 4: Gray fibrous material with mastic Layer 5: White/brown sheet vinyl  Layer 6: Gray fibrous material with mastic	NAD NAD NAD  <b>50% Chrysotile</b> NAD  <b>48% Chrysotile</b>	SAT
41093.009-23	White and brown pebbly pattern sheet vinyl flooring Gray backing with mastic Wood deck	Laundry room underneath yellow square mosaic pattern sheet vinyl flooring	Layer 1: White/brown sheet vinyl  Layer 2: Gray fibrous material with mastic Layer 3: Brown wood block	NAD  <b>51% Chrysotile</b> NAD	SAT
41093.009-24	Gray tile pattern sheet vinyl flooring Mastic Wood decking	Living room	Layer 1: Gray sheet vinyl Layer 2: Clear mastic Layer 3: Brown wood block	NAD NAD NAD	SAT
41093.009-25	9" light speckle vinyl floor tile Black mastic Wood deck	Sunroom	Layer 1: Gray tile Layer 2: Trace black mastic Layer 3: Brown wood block	<b>3% Chrysotile</b> <b>2% Chrysotile</b> NAD	SAT
41093.009-26	9" light speckle vinyl floor tile Black mastic Wood deck	Bedroom 1	Layer 1: Gray tile Layer 2: Trace black mastic Layer 3: Brown wood block	<b>3% Chrysotile</b> <b>2% Chrysotile</b> NAD	SAT
41093.009-27	Carpet material White mastic	Lounge	Layer 1: Gray sandy/brittle material with paint Layer 2: Trace white mastic	NAD NAD	SAT

**2353 Seminary Hill Road Demolition  
City of Centralia**

**PBS Engineering + Environmental  
PBS Project #41093.009**

**PLM ASBESTOS SAMPLE INVENTORY**

<u>PBS Sample #</u>	<u>Material Type</u>	<u>Sample Location</u>	<u>Lab Description</u>	<u>Lab Result</u>	<u>Lab</u>
41093.009-28	Blue and tan vinyl White tile Adhesive backing	Attic, west room	Layer 1: Blue/tan vinyl Layer 2: White tile Layer 3: Clear mastic	NAD NAD NAD	SAT
41093.009-29	Multicolored sheet vinyl flooring Backing and mastic	Attic, northwest small storage	Layer 1: Multi-colored vinyl Layer 2: Black asphaltic fibrous material with mastic	NAD NAD	SAT
41093.009-30	Backing paper for fiberglass Fiberglass insulation	Attic	Layer 1: Black paper with black mastic Layer 2: Trace yellow fibrous material	NAD NAD	SAT
41093.009-31	Concrete masonry unit mortar and block	East elevation	Layer 1: Gray sandy/brittle material	NAD	SAT
41093.009-32	Concrete masonry unit mortar and block	South elevation	Layer 1: Gray sandy/brittle material	NAD	SAT
41093.009-33	Concrete masonry unit mortar and block	East elevation	Layer 1: Gray sandy/brittle material	NAD	SAT
41093.009-34	Brick block Mortar	North elevation on chimney	Layer 1: Red hard sandy/brittle material Layer 2: Gray sandy/brittle material	NAD NAD	SAT
41093.009-35	Brick mortar and block	South elevation at porch	Layer 1: Gray sandy/brittle material	NAD	SAT
41093.009-36	Brick mortar and block	South elevation at porch	Layer 1: Gray sandy/brittle material	NAD	SAT
41093.009-37	Siding vapor barrier	South elevation	Layer 1: Black asphaltic fibrous material	NAD	SAT
41093.009-38	Black sealant	Chimney flashing	Layer 1: Black asphaltic material	<b>3% Chrysotile</b>	SAT
41093.009-39	Roof shingle	House, south elevation, south	Layer 1: Black asphaltic material with sand	NAD	SAT

**January 4, 2024**

**NAD - No Asbestos Detected**

**4 of 6**

**2353 Seminary Hill Road Demolition  
City of Centralia**

**PBS Engineering + Environmental  
PBS Project #41093.009**

**PLM ASBESTOS SAMPLE INVENTORY**

<b><u>PBS Sample #</u></b>	<b><u>Material Type</u></b>	<b><u>Sample Location</u></b>	<b><u>Lab Description</u></b>	<b><u>Lab Result</u></b>	<b><u>Lab</u></b>
	Vapor barrier	pitch	Layer 2: Black asphaltic material with sand	NAD	
41093.009-40	Concrete floor	Shed	Layer 1: Gray hard sandy/brittle material	NAD	SAT
41093.009-41	Roof shingle	Shed	Layer 1: Black asphaltic material with sand	NAD	SAT
	Roof shingle		Layer 2: Black asphaltic material with sand	NAD	
	Vapor barrier		Layer 3: Black asphaltic fibrous material	NAD	
41093.009-42	Shingle siding	Shed, south elevation	Layer 1: Black asphaltic material with sand	NAD	SAT
	Shingle backing		Layer 2: Black asphaltic material	NAD	
41093.009-43	Old wavy shingle	Shed, west elevation	Layer 1: Black asphaltic material with sand	NAD	SAT
			Layer 2: Black asphaltic fibrous material	NAD	
			Layer 3: Brown fibrous	NAD	
			Layer 4: Trace black asphaltic material	NAD	
			Layer 5: Brown fibrous material	NAD	

## SEATTLE ASBESTOS TEST, LLC

Lynnwood Laboratory: 19701 Scriber Lake Road, Suite 103, Lynnwood, WA 98036, Tel: 425.673.9850, Fax: 425.673.9810, NVLAP Lab Code: 200768-0

[www.seattleasbestostest.com](http://www.seattleasbestostest.com), [admin@seattleasbestostest.com](mailto:admin@seattleasbestostest.com)

Project Manager: Claire Tsai, Cameron Budnick	Date Analyzed: 12/21/2023
Client: PBS Engineering and Environmental, Seattle	Client Job#: 41093.009
Address: 214 E Galer Street, Suite 300, Seattle, WA 98102	Project Location: Seminary Hill Road House Demolition
Tel: 206.233.9639	Laboratory batch#: 202213686
Date Report Issued: 12/21/2023	Samples Received: 43

Enclosed please find the test results for the bulk samples submitted to our laboratory for asbestos analysis. Analysis was performed using polarized light microscopy (PLM) in accordance with Test Method US EPA - 40 CFR Appendix E of Part 763, Interim Method of Determination of Asbestos in Bulk Insulation Samples and Test Method US EPA/600/R-93/116.

Percentages for this report are done by visual estimate and relate to the suggested acceptable error ranges by the method. Since variation in data increases as the quantity of asbestos decreases toward the limit of detection, the EPA recommends point counting for samples containing between <1% and 10% asbestos (NESHAP, 40 CFR Part 61). Statistically, point counting is a more accurate method. If you feel a point count might be beneficial, please feel free to call and request one.

The test results refer only to the samples or items submitted and tested. The accuracy with which these samples represent the actual materials is totally dependent on the acuity of the person who took the samples. This report must not be used by the client to claim product certification, approval, or endorsement by Seattle Asbestos Test, LLC, NVLAP, NIST, or any agency of the Federal government. The test report or calibration certificate shall not be reproduced except in full, without written approval of the laboratory. If the sample is inhomogeneous the sub-samples of the components are analyzed separately as layers. This report in its entirety consists of this cover letter, the customer sampling COC or data sheet, and the analytical report which is page numbered.

This report is highly confidential and will not be released without your consent. Samples are archived for 30 days after the analysis, and disposed of as hazardous waste thereafter.

Thank you for using our service and let us know if we can further assist you.

Sincerely



Steve (Fanyao) Zhang  
Approved Signatory





202213686

## LABORATORY CHAIN OF CUSTODY

Project: Seminary Hill Road House DemolitionProject #: 41093.009 Page 1 of 2Analysis requested: PLMDate: 12/19/23Relinquished by/Signature: [Signature]

Date/Time: \_\_\_\_\_

Received by/Signature: [Signature]Date/Time: 12/19/2023 17:00Email ALL INVOICES to: [seattleap@pbsusa.com](mailto:seattleap@pbsusa.com)

## E-mail results to:

☐ Willem Mager☐ Gregg Middaugh☐ Mark Hiley☐ Tim Ogden☐ Ryan Hunter☐ Janet Murphy☐ Toan Nguyen☐ Peter Stensland☒ Claire Tsai☐ Ferman Fletcher☒ Cameron Budnick☐ Mae Reilly☐ Nick San☐ Kameron DeMonnin☐ \_\_\_\_\_

## TURN AROUND TIME:

☐ 1 Hour☐ 2 Hours☐ 4 Hours☐ 24 Hours☒ 48 Hours☐ 3-5 Days☐ Other \_\_\_\_\_**NOTE: \*\*\*Composite if positive**

## SAMPLE DATA FORM

Sample #	Material	Location	Lab
41093.009-01	Popcorn ceiling texture	Living room	SAT
41093.009-02	Popcorn ceiling texture	Living room	SAT
41093.009-03	Popcorn ceiling texture	Living room	SAT
41093.009-04	Knockdown wall texture	Attic, east room	SAT
41093.009-05	Knockdown wall texture	Attic, west room	SAT
41093.009-06	Knockdown wall texture	Attic, west room	SAT
41093.009-07	Knockdown wall texture	Living room	SAT
41093.009-08	Stone pattern particle board paneling with brown mastic	Living room	SAT
41093.009-09	Wallpaper and mastic	Dining room, SW corner	SAT
41093.009-10	Kitchen laminate backsplash with yellow mastic	Kitchen counter	SAT
41093.009-11	Fiberglass reinforced paneling with light mastic	Restroom	SAT
41093.009-12	***Gypsum wallboard with joint compound	Attic hallway	SAT
41093.009-13	***Gypsum wallboard with joint compound	Bedroom 2	SAT
41093.009-14	***Gypsum wallboard with joint compound	Attic, west room	SAT
41093.009-15	***Gypsum wallboard with joint compound	Kitchen, southwest wall	SAT
41093.009-16	***Gypsum wallboard with joint compound	Sunroom, northeast corner	SAT
41093.009-17	Fireplace mortar	Lounge	SAT





202213686

## LABORATORY CHAIN OF CUSTODY

Project: Seminary Hill Road House DemolitionProject #: 41093.009

Page 2 of 2

## SAMPLE DATA FORM

Sample #	Material	Location	Lab
41093.009-18	Black sink undercoat	Kitchen sink	SAT
41093.009-19	Window sealant at rough opening	Living room	SAT
41093.009-20	Light yellow square pattern sheet vinyl flooring with red backing and mastic	Restroom	SAT
41093.009-21	Light yellow square pattern sheet vinyl flooring over rock pattern sheet vinyl flooring with black mastic	<del>Restroom</del> 1st floor stair landing Revised: CB	SAT
41093.009-22	Light blue/gray sheet vinyl flooring with black mastic over yellow square mosaic pattern sheet vinyl flooring over white and brown pebbly sheet vinyl flooring with mastic	Kitchen	SAT
41093.009-23	White and brown pebbly pattern sheet vinyl flooring with mastic	Laundry room underneath yellow square mosaic pattern sheet vinyl flooring	SAT
41093.009-24	Gray tile pattern sheet vinyl flooring with mastic	Living room	SAT
41093.009-25	9" light speckle vinyl floor tile with black mastic	Sunroom	SAT
41093.009-26	9" light speckle vinyl floor tile with black mastic	Bedroom 1	SAT
41093.009-27	White carpet mastic	Lounge	SAT
41093.009-28	12" blue and tan vinyl floor tile with adhesive backing	Attic, west room	SAT
41093.009-29	Multicolored sheet vinyl flooring	Attic, northwest small storage	SAT
41093.009-30	Fiberglass insulation backing paper	Attic	SAT
41093.009-31	Concrete masonry unit mortar and block	East elevation	SAT
41093.009-32	Concrete masonry unit mortar and block	South elevation	SAT
41093.009-33	Concrete masonry unit mortar and block	East elevation	SAT
41093.009-34	Brick mortar and block	North elevation on chimney	SAT
41093.009-35	Brick mortar and block	South elevation at porch	SAT
41093.009-36	Brick mortar and block	South elevation at porch	SAT
41093.009-37	Siding vapor barrier	South elevation	SAT
41093.009-38	Black sealant	Chimney flashing	SAT
41093.009-39	Roof shingle and vapor barrier	House, south elevation, south pitch	SAT
41093.009-40	Concrete floor	Shed	SAT
41093.009-41	Roof shingle and vapor barrier	Shed	SAT
41093.009-42	Shingle siding	Shed, south elevation	SAT
41093.009-43	Old wavy shingle and backing	Shed, west elevation	SAT



## SEATTLE ASBESTOS TEST

Lynnwood Laboratory: 19701 Scriber Lake Road, Suite 103, Lynnwood, WA 98036, Tel: 425.673.9850, Fax: 425.673.9810, NVLAP Lab Code: 200768-0

Disclaimer: This report must not be used by the client to claim product certification, approval, or endorsement by Seattle Asbestos Test, LLC, NVLAP, NIST, or any agency of the Federal government.

### ANALYTICAL LABORATORY REPORT

[PLM] EPA – 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples;

[PLM] EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

Attn.: Claire Tsai,  
Cameron Budnick

Client: PBS Engineering and  
Environmental, Seattle

Address: 214 E Galer Street, Suite 300, Seattle, WA 98102

Job#: 41093.009

Batch#: 202213686

Date Received: 12/19/2023

Samples Rec'd: 43

Date Analyzed: 12/21/2023

Samples Analyzed: 43

Project Loc.: Seminary Hill Road House  
Demolition

Xingping Lin

Analyzed by: Steve (Fanyao) Zhang

Approved Signatory: Steve (Fanyao) Zhang, President

Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-fibrous Components	%	Non-asbestos Fibers
1	41093.009-01	1	White soft lumpy material with paint	3	Chrysotile	Synthetic foam, Filler, Binder, Vermiculite, Paint	5	Cellulose
2	41093.009-02	1	White soft lumpy material with paint	3	Chrysotile	Synthetic foam, Filler, Binder, Vermiculite, Paint	3	Cellulose
3	41093.009-03	1	White soft lumpy material with paint	3	Chrysotile	Synthetic foam, Filler, Binder, Vermiculite, Paint	4	Cellulose
4	41093.009-04	1	White powdery material with paint		None detected	Binder/filler, Paint	3	Cellulose
5	41093.009-05	1	White powdery material with paint		None detected	Binder/filler, Paint	4	Cellulose
6	41093.009-06	1	White powdery material with paint		None detected	Binder/filler, Paint	5	Cellulose
7	41093.009-07	1	Brown paper with paint		None detected	Filler, Paint	75	Cellulose
		2	Brown wood block		None detected	Wood aggregates	4	Cellulose
		3	Brown mastic	3	Chrysotile	Mastic/binder	4	Cellulose
8	41093.009-08	1	Brown fibrous material with paint		None detected	Filler, Paint	90	Cellulose
		2	Brown mastic	3	Chrysotile	Mastic/binder	4	Cellulose
9	41093.009-09	1	Yellow paper		None detected	Filler	75	Cellulose
		2	Trace clear mastic		None detected	Mastic/binder	4	Cellulose
10	41093.009-10	1	White/brown brittle/rigid material		None detected	Filler, Binder, Fine particles	65	Cellulose
		2	Tan mastic		None detected	Mastic/binder	4	Cellulose
11	41093.009-11	1	White brittle/rigid material with woven fibrous material		None detected	Filler, Binder, Fine particles	61	Cellulose, Glass fibers
		2	Cream mastic		None detected	Mastic/binder	4	Cellulose
		3	Brown fibrous material with paint		None detected	Filler, Paint	78	Cellulose
12	41093.009-12	1	White powdery material		None detected	Filler, Binder	3	Cellulose
		2	White chalky material with paper		None detected	Binder/filler, Gypsum/binder	25	Cellulose
		3	Gray foamy material		None detected	Synthetic foam		None detected

## SEATTLE ASBESTOS TEST

Lynnwood Laboratory: 19701 Scriber Lake Road, Suite 103, Lynnwood, WA 98036, Tel: 425.673.9850, Fax: 425.673.9810, NVLAP Lab Code: 200768-0

Disclaimer: This report must not be used by the client to claim product certification, approval, or endorsement by Seattle Asbestos Test, LLC, NVLAP, NIST, or any agency of the Federal government.

### ANALYTICAL LABORATORY REPORT

[PLM] EPA – 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples;

[PLM] EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

Attn.: Claire Tsai,  
Cameron Budnick

Client: PBS Engineering and  
Environmental, Seattle

Address: 214 E Galer Street, Suite 300, Seattle, WA 98102

Job#: 41093.009

Batch#: 202213686

Date Received: 12/19/2023

Samples Rec'd: 43

Date Analyzed: 12/21/2023

Samples Analyzed: 43

Project Loc.: Seminary Hill Road House  
Demolition

Xingping Lin

Analyzed by: Steve (Fanyao) Zhang

Approved Signatory: Steve (Fanyao) Zhang, President

Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-fibrous Components	%	Non-asbestos Fibers
13	41093.009-13	1	Trace white powdery material with paint		None detected	Binder/filler, Paint	4	Cellulose
		2	White chalky material with paper		None detected	Binder/filler, Gypsum/binder	26	Cellulose
		3	Gray foamy material		None detected	Synthetic foam		None detected
14	41093.009-14	1	White powdery material with woven fibrous material and paint		None detected	Binder/filler, Paint	14	Cellulose
		2	White chalky material with paper		None detected	Binder/filler, Gypsum/binder	24	Cellulose
		3	Gray foamy material		None detected	Synthetic foam		None detected
15	41093.009-15	1	White powdery material with woven fibrous material and paint	2	Chrysotile	Binder/filler, Paint	17	Cellulose
	Composite result <1%	2	White chalky material with paper		None detected	Binder/filler, Gypsum/binder	26	Cellulose
		3	Gray foamy material		None detected	Synthetic foam		None detected
16	41093.009-16	1	White powdery material with paint and paper	2	Chrysotile	Binder/filler, Paint	35	Cellulose
	Composite result <1%	2	White chalky material with paper		None detected	Binder/filler, Gypsum/binder	25	Cellulose
		3	Gray foamy material		None detected	Synthetic foam		None detected
17	41093.009-17	1	Gray hard sandy/brittle material		None detected	Sand, Filler, Cement/binder	3	Cellulose
		2	Gray sandy/brittle material		None detected	Sand, Filler, Binder	3	Cellulose
18	41093.009-18	1	Black soft/loose material	3	Chrysotile	Filler, Fine particles	5	Cellulose
19	41093.009-19	1	Clear/yellow soft/elastic material		None detected	Binder, Filler	4	Cellulose
20	41093.009-20	1	Light yellow sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose



## SEATTLE ASBESTOS TEST

Lynnwood Laboratory: 19701 Scriber Lake Road, Suite 103, Lynnwood, WA 98036, Tel: 425.673.9850, Fax: 425.673.9810, NVLAP Lab Code: 200768-0

Disclaimer: This report must not be used by the client to claim product certification, approval, or endorsement by Seattle Asbestos Test, LLC, NVLAP, NIST, or any agency of the Federal government.

### ANALYTICAL LABORATORY REPORT

[PLM] EPA – 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples;

[PLM] EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

Attn.: Claire Tsai,  
Cameron Budnick

Client: PBS Engineering and  
Environmental, Seattle

Address: 214 E Galer Street, Suite 300, Seattle, WA 98102

Job#: 41093.009

Batch#: 202213686

Date Received: 12/19/2023

Samples Rec'd: 43

Date Analyzed: 12/21/2023

Samples Analyzed: 43

Project Loc.: Seminary Hill Road House  
Demolition

Xingping Lin

Analyzed by: Steve (Fanyao) Zhang

Approved Signatory: Steve (Fanyao) Zhang, President

Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-fibrous Components	%	Non-asbestos Fibers
20	41093.009-20	3	Red vinyl		None detected	Vinyl/binder	2	Cellulose
		4	Black asphaltic fibrous material with mastic		None detected	Asphalt/binder, Mastic/binder, Filler	70	Cellulose
21	41093.009-21	1	Light yellow sheet vinyl		None detected	Vinyl/binder		None detected
		2	Cream mastic		None detected	Mastic/binder	3	Cellulose
		3	Yellow rock pattern sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with black mastic		None detected	Binder/filler, Mastic/binder	66	Cellulose
22	41093.009-22	1	Blue/gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with black mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Yellow sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic	50	Chrysotile	Binder/filler, Mastic/binder	33	Cellulose
		5	White/brown sheet vinyl		None detected	Vinyl/binder		None detected
		6	Gray fibrous material with mastic	48	Chrysotile	Binder/filler, Mastic/binder	35	Cellulose
23	41093.009-23	1	White/brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic	51	Chrysotile	Binder/filler, Mastic/binder	31	Cellulose
		3	Brown wood block		None detected	Wood aggregates	4	Cellulose
24	41093.009-24	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Clear mastic		None detected	Mastic/binder	3	Cellulose
		3	Brown wood block		None detected	Wood aggregates	4	Cellulose
25	41093.009-25	1	Gray tile	3	Chrysotile	Vinyl/binder, Mineral grains	2	Cellulose
		2	Trace black mastic	2	Chrysotile	Mastic/binder	4	Cellulose

# SEATTLE ASBESTOS TEST

Lynnwood Laboratory: 19701 Scriber Lake Road, Suite 103, Lynnwood, WA 98036, Tel: 425.673.9850, Fax: 425.673.9810, NVLAP Lab Code: 200768-0

Disclaimer: This report must not be used by the client to claim product certification, approval, or endorsement by Seattle Asbestos Test, LLC, NVLAP, NIST, or any agency of the Federal government.

## ANALYTICAL LABORATORY REPORT

[PLM] EPA – 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples;

[PLM] EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

Attn.: Claire Tsai,  
Cameron Budnick

Client: PBS Engineering and  
Environmental, Seattle

Address: 214 E Galer Street, Suite 300, Seattle, WA 98102

Job#: 41093.009

Batch#: 202213686

Date Received: 12/19/2023

Samples Rec'd: 43

Date Analyzed: 12/21/2023

Samples Analyzed: 43

Project Loc.: Seminary Hill Road House  
Demolition

Xingping Lin

Analyzed by: Steve (Fanyao) Zhang

Approved Signatory: Steve (Fanyao) Zhang, President

Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-fibrous Components	%	Non-asbestos Fibers
25	41093.009-25	3	Brown wood block		None detected	Wood aggregates	3	Cellulose
26	41093.009-26	1	Gray tile	3	Chrysotile	Vinyl/binder, Mineral grains	2	Cellulose
		2	Trace black mastic	2	Chrysotile	Mastic/binder	3	Cellulose
		3	Brown wood block		None detected	Wood aggregates	4	Cellulose
27	41093.009-27	1	Gray sandy/brittle material with paint		None detected	Sand, Filler, Binder, Paint	3	Cellulose
		2	Trace white mastic		None detected	Mastic/binder	4	Cellulose
28	41093.009-28	1	Blue/tan vinyl		None detected	Vinyl/binder		None detected
		2	White tile		None detected	Vinyl/binder, Mineral grains	2	Cellulose
		3	Clear mastic		None detected	Mastic/binder	4	Cellulose
29	41093.009-29	1	Multi-colored vinyl		None detected	Vinyl/binder	2	Cellulose
		2	Black asphaltic fibrous material with mastic		None detected	Asphalt/binder, Mastic/binder, Filler	70	Cellulose
30	41093.009-30	1	Black paper with black mastic		None detected	Filler, Asphalt/binder	70	Cellulose
		2	Trace yellow fibrous material		None detected	Filler	90	Glass fibers
31	41093.009-31	1	Gray sandy/brittle material		None detected	Sand, Filler, Binder	2	Cellulose
32	41093.009-32	1	Gray sandy/brittle material		None detected	Sand, Filler, Binder	3	Cellulose
33	41093.009-33	1	Gray sandy/brittle material		None detected	Sand, Filler, Binder	3	Cellulose
34	41093.009-34	1	Red hard sandy/brittle material		None detected	Sand, Filler, Cement/binder	3	Cellulose
		2	Gray sandy/brittle material		None detected	Sand, Filler, Binder	3	Cellulose
35	41093.009-35	1	Gray sandy/brittle material		None detected	Sand, Filler, Binder	2	Cellulose
36	41093.009-36	1	Gray sandy/brittle material		None detected	Sand, Filler, Binder	3	Cellulose
37	41093.009-37	1	Black asphaltic fibrous material		None detected	Filler, Asphalt, Binder	70	Cellulose
38	41093.009-38	1	Black asphaltic material	3	Chrysotile	Asphalt/binder	3	Cellulose



## SEATTLE ASBESTOS TEST

Lynnwood Laboratory: 19701 Scriber Lake Road, Suite 103, Lynnwood, WA 98036, Tel: 425.673.9850, Fax: 425.673.9810, NVLAP Lab Code: 200768-0

Disclaimer: This report must not be used by the client to claim product certification, approval, or endorsement by Seattle Asbestos Test, LLC, NVLAP, NIST, or any agency of the Federal government.

### ANALYTICAL LABORATORY REPORT

[PLM] EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples;

[PLM] EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

Attn.: Claire Tsai,  
Cameron Budnick

Client: PBS Engineering and  
Environmental, Seattle

Address: 214 E Galer Street, Suite 300, Seattle, WA 98102

Job#: 41093.009

Batch#: 202213686

Date Received: 12/19/2023

Samples Rec'd: 43

Date Analyzed: 12/21/2023

Samples Analyzed: 43

Project Loc.: Seminary Hill Road House  
Demolition

Xingping Lin

Analyzed by: Steve (Fanyao) Zhang

Approved Signatory: Steve (Fanyao) Zhang, President

Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-fibrous Components	%	Non-asbestos Fibers
39	41093.009-39	1	Black asphaltic material with sand		None detected	Asphalt/binder, Sand	26	Glass fibers
39	41093.009-39	2	Black asphaltic material with sand		None detected	Asphalt/binder, Sand	27	Glass fibers
40	41093.009-40	1	Gray hard sandy/brittle material		None detected	Sand, Filler, Cement/binder	3	Cellulose
41	41093.009-41	1	Black asphaltic material with sand		None detected	Asphalt/binder, Sand	25	Glass fibers
		2	Black asphaltic material with sand		None detected	Asphalt/binder, Sand	27	Glass fibers
		3	Black asphaltic fibrous material		None detected	Filler, Asphalt, Binder	68	Cellulose
42	41093.009-42	1	Black asphaltic material with sand		None detected	Asphalt/binder, Sand	24	Glass fibers
		2	Black asphaltic material		None detected	Asphalt/binder	3	Cellulose
43	41093.009-43	1	Black asphaltic material with sand		None detected	Asphalt/binder, Sand	24	Cellulose
		2	Black asphaltic fibrous material		None detected	Filler, Asphalt, Binder	70	Cellulose
		3	Brown fibrous		None	Binder, Filler,	85	Cellulose
		4	Trace black asphaltic material		None detected	Asphalt/binder	2	Cellulose
		5	Brown fibrous material		None detected	Binder, Filler, Perlite	83	Cellulose

## **APPENDIX B**

---

### **AA Lead Paint Chip Sampling Information**

AA Lead Paint Chip Sample Inventory

AA Lead Paint Chip Laboratory Data Sheets and Chain of Custody Documentation



**2353 Seminary Hill Road Demolition  
City of Centralia**

**PBS Engineering + Environmental  
PBS Project #41093.009**

**AA LEAD PAINT CHIP SAMPLE INVENTORY**

<b><u>PBS Sample #</u></b>	<b><u>Paint Color / Substrate / Component</u></b>	<b><u>Sample Location</u></b>	<b><u>Results (mg/kg)</u></b>	<b><u>Results (%)</u></b>	<b><u>Lab</u></b>
41093.009-Pb01	Red / wood / door	Front door	1100	0.11	NVL
41093.009-Pb02	White / wood / paneling	Living room	<91	<0.0091	NVL
41093.009-Pb03	White / gypsum wallboard / wall	Dining room	500	0.050	NVL
41093.009-Pb04	Light blue / wooden wainscotting / wall	Kitchen	<47	<0.0047	NVL
41093.009-Pb05	White / gypsum wallboard / wall	Attic, east room	<49	<0.0049	NVL
41093.009-Pb06	Blue / wood / siding	South elevation	32000	3.2	NVL
41093.009-Pb07	Yellow / wood / siding	South elevation	68000	6.8	NVL
41093.009-Pb08	White / wood / trim	South elevation	1300	0.13	NVL
41093.009-Pb09	Yellow / wood / exterior siding	Shed, south elevation	40000	4.0	NVL
41093.009-Pb10	White / wood / siding	Shed, south elevation	150	0.015	NVL

**mg/kg = Milligrams per kilogram  
< = Less than the Limit of Detection**

December 20, 2023

Claire Tsai

**PBS Environmental - Seattle**

214 E Galer St. Suite. 300

Seattle, WA 98102



**NVL Batch # 2319772.00**

**RE: Total Metal Analysis**  
**Method: EPA 7000B Lead by FAA <paint>**  
**Item Code: FAA-02**

Client Project: 41093.009

Location: Seminary Hill Road House Demolition

Dear Ms. Tsai,

NVL Labs received 10 sample(s) for the said project on 12/19/2023. Preparation of these samples was conducted following protocol outlined in EPA 3051/7000B , unless stated otherwise. Analysis of these samples was performed using analytical instruments in accordance with EPA 7000B Lead by FAA <paint>. The results are usually expressed in mg/Kg and percentage (%). Test results are not blank corrected.

For recent regulation updates pertaining to current regulatory levels or permissible exposure levels, please call your local regulatory agencies for more detail.

At NVL Labs all analyses are performed under strict guidelines of the Quality Assurance Program. This report is considered highly confidential and will not be released without your approval. Samples are archived after two weeks from the analysis date. Please feel free to contact us at 206-547-0100, in case you have any questions or concerns.

Sincerely,

A handwritten signature in black ink, appearing to read 'Shalini Patel'.

Shalini Patel, Manager Metals Lab

Enc.: Sample results



Phone: 206 547.0100 | Fax: 206 634.1936 | Toll Free: 1.888.NVL.LABS (685.5227)  
4708 Aurora Avenue North | Seattle, WA 98103-6516

# Analysis Report

## Total Lead (Pb)



Client: PBS Environmental - Seattle  
Address: 214 E Galer St. Suite. 300  
Seattle, WA 98102

**Batch #: 2319772.00**

Matrix: Paint  
Method: EPA 3051/7000B  
Client Project #: 41093.009  
Date Received: 12/19/2023  
Samples Received: 10  
Samples Analyzed: 10

**Attention: Ms. Claire Tsai**

Project Location: Seminary Hill Road House Demolition

Lab ID	Client Sample #	Sample Weight (g)	RL in mg/Kg	Results in mg/Kg	Results in percent
23118132	41093.009-Pb01	0.2044	49	1100	0.11
23118133	41093.009-Pb02	0.1105	90	< 91	<0.0091
23118134	41093.009-Pb03	0.1861	54	500	0.050
23118135	41093.009-Pb04	0.2115	47	< 47	<0.0047
23118136	41093.009-Pb05	0.2061	49	< 49	<0.0049
23118137	41093.009-Pb06	0.1879	53	32000	3.2
23118138	41093.009-Pb07	0.1853	54	68000	6.8
23118139	41093.009-Pb08	0.1898	53	1300	0.13
23118140	41093.009-Pb09	0.2014	50	40000	4.0
23118141	41093.009-Pb10	0.1809	55	150	0.015


Sampled by: Client

Analyzed by: Yasuyuki Hida

Reviewed by: Shalini Patel

Date Analyzed: 12/19/2023

Date Issued: 12/20/2023

  
Shalini Patel, Manager Metals Lab

mg/ Kg =Milligrams per kilogram

Percent = Milligrams per kilogram / 10000

Note : Method QC results are acceptable unless stated otherwise.

Unless otherwise indicated, the condition of all samples was acceptable at time of receipt.

RL = Reporting Limit

'<' = Below the reporting Limit

Bench Run No: 2023-1219-01

FAA-02

# LEAD LABORATORY SERVICES



**Company** PBS Environmental - Seattle  
**Address** 214 E Galer St. Suite. 300  
 Seattle, WA 98102  
**Project Manager** Ms. Claire Tsai  
**Phone** (206) 233-9639  
**NVL Batch Number** 2319772.00  
**TAT** 2 Days **AH** No  
**Rush TAT**  
**Due Date** 12/21/2023 **Time** 4:00 PM  
**Email** claire.tsai@pbsusa.com  
**Fax** (866) 727-0140

**Project Name/Number:** 41093.009 **Project Location:** Seminary Hill Road House Demolition

**Subcategory** Flame AA (FAA)

**Item Code** FAA-02 EPA 7000B Lead by FAA <paint>

**Total Number of Samples** 10

**Rush Samples**

	Lab ID	Sample ID	Description	A/R
1	23118132	41093.009-Pb01		A
2	23118133	41093.009-Pb02		A
3	23118134	41093.009-Pb03		A
4	23118135	41093.009-Pb04		A
5	23118136	41093.009-Pb05		A
6	23118137	41093.009-Pb06		A
7	23118138	41093.009-Pb07		A
8	23118139	41093.009-Pb08		A
9	23118140	41093.009-Pb09		A
10	23118141	41093.009-Pb10		A

	Print Name	Signature	Company	Date	Time
<b>Sampled by</b>	Client				
<b>Relinquished by</b>	Client				

Office Use Only	Print Name	Signature	Company	Date	Time
<b>Received by</b>	Rachelle Miller		NVL	12/19/23	1600
<b>Analyzed by</b>	Yasuyuki Hida		NVL	12/19/23	
<b>Results Called by</b>					
<input type="checkbox"/> Faxed <input type="checkbox"/> Emailed					

**Special Instructions:**

Date: 12/19/2023

Time: 4:10 PM

Entered By: Rachelle Miller



LABORATORY C

2319772

Project: Seminary Hill Road House DemolitionProject #: 41093.009 Page 1 of 1Analysis requested: FAADate: 10/19/23Relinq'd by/Signature: [Signature]

Date/Time: \_\_\_\_\_

Received by/Signature: Rachelle Miller [Signature] NVLDate/Time: 10/19/23 1606Email ALL INVOICES to: [seattleap@pbsusa.com](mailto:seattleap@pbsusa.com)

## E-mail results to:

- |   |   |   |
|---|---|---|
| <input type="checkbox"/> Willem Mager   | <input type="checkbox"/> Janet Murphy           | <input checked="" type="checkbox"/> Cameron Budnick |
| <input type="checkbox"/> Gregg Middaugh | <input type="checkbox"/> Toan Nguyen            | <input type="checkbox"/> Mae Reilly                 |
| <input type="checkbox"/> Mark Hiley     | <input type="checkbox"/> Peter Stensland        | <input type="checkbox"/> Nick San                   |
| <input type="checkbox"/> Tim Ogden      | <input checked="" type="checkbox"/> Claire Tsai | <input type="checkbox"/> Kameron DeMonnin           |
| <input type="checkbox"/> Ryan Hunter    | <input type="checkbox"/> Ferman Fletcher        | <input type="checkbox"/> _____                      |

## TURN AROUND TIME:

- |                                  |  |                                      |
|----------------------------------|--|--------------------------------------|
| <input type="checkbox"/> 1 Hour  | <input type="checkbox"/> 24 Hours            | <input type="checkbox"/> 3-5 Days    |
| <input type="checkbox"/> 2 Hours | <input checked="" type="checkbox"/> 48 Hours | <input type="checkbox"/> Other _____ |
| <input type="checkbox"/> 4 Hours |  |                                      |

## SAMPLE DATA FORM

Sample #	Material	Location	Lab
41093.009-Pb01	Red / wood / door	Front door	NVL
41093.009-Pb02	White / wood / paneling	Living room	NVL
41093.009-Pb03	White / gypsum wallboard / wall	Dining room	NVL
41093.009-Pb04	Light blue / wooden wainscoting / wall	Kitchen	NVL
41093.009-Pb05	White / gypsum wallboard / wall	Attic, east room	NVL
41093.009-Pb06	Blue / wood / siding	South elevation	NVL
41093.009-Pb07	Yellow / wood / siding	South elevation	NVL
41093.009-Pb08	White / wood / trim	South elevation	NVL
41093.009-Pb09	Yellow / wood / exterior siding	Shed, south elevation	NVL
41093.009-Pb10	White / wood / siding	Shed, south elevation	NVL

## **APPENDIX C**

### **PBS Inspector Certifications**

THIS IS TO CERTIFY THAT

**CAMERON BUDNICK**

**HAS SUCCESSFULLY COMPLETED THE TRAINING COURSE**

**for**

**ASBESTOS INSPECTOR REFRESHER**

In accordance with TSCA Title II, Part 763, Subpart E, Appendix C of 40 CFR

Course Date: 09/19/2023

Course Location: Portland, OR

Certificate: IR-23-9630B



**CCB #SRA0615 4-Hr Training**

4-Hour AHERA Inspector Refresher Training; AHERA is the Asbestos Hazard Emergency Response Act enacting Title II of Toxic Substance Control Act (TSCA)

**Expiration Date:** 09/19/2024

For verification of the authenticity of this certificate contact:  
PBS Engineering and Environmental Inc.  
4412 S Corbett Avenue  
Portland, OR 97239

503-248-1939

A handwritten signature in black ink, reading "Andy Fridley", written over a horizontal line.

Andy Fridley, Instructor