

Kirkland Heights Redevelopment

13310 NE 133rd Street
Kirkland, WA 98034

Contract No. TC2200131

Bid Set Documents Project Manual Volume 4: Appendix A

April 14, 2023



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NEW KIRKLAND HEIGHTS LLLP
c/o: King County Housing Authority, General Partner
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Hazardous Materials Survey Report

Kirkland Heights Apartments
13310 Northeast 133rd Street
Kirkland, Washington 98034

Prepared for:
King County Housing Authority
700 Andover Park West
Seattle, Washington 98188

April 2023
PBS Project 40573.247



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1 INTRODUCTION

1.1 Background

PBS Engineering and Environmental Inc. (PBS) performed a hazardous materials survey of Kirkland Heights Apartments in preparation for substantial renovation to the interiors and exteriors. Accessible building areas included in the scope of work were inspected for the presence of asbestos-containing materials (ACMs) and lead-containing paint (LCP). The intent of this investigation is to ensure that King County Housing Authority (KCHA) is in compliance with applicable regulatory requirements that a "good faith inspection" for ACMs be performed prior to renovation/demolition activities. This report is not suitable as a bid document or an asbestos abatement design.

The following buildings were included in the scope of PBS's survey:

- 8-unit stacked flats: Buildings 1, 2, 3, 4, 5, 6, 7, 10, 11, 12, 13, 14, 16, 18, 20, 21, 22, 24, and 25
- 4-unit Townhomes: Buildings 9, 15, 17, 19, and 23
- Community Building
- Laundry Building
- Maintenance Shed

At the request of KCHA, PBS surveyed all accessible building materials in 48 representative units. PBS surveyed the flooring in all units.

Building 8 was surveyed as part of a previous project and is not included in this report.

1.2 Building Description

8-unit Stacked Flats

Buildings 1, 2, 3, 4, 5, 6, 7, 10, 11, 12, 13, 14, 16, 18, 20, 21, 22, 24, and 25 are two-story, wood-framed structures on a concrete foundation and feature eight units, which are either two or three bedrooms. Interior finishes include carpet, sheet vinyl flooring, vinyl floor tile, vinyl cove base, textured gypsum wallboard walls, and popcorn textured gypsum wallboard ceilings. Windows and sliding doors are vinyl. The exterior features wood siding and trim. The roof features a membrane over built up roofing.

4-unit Townhomes

Buildings 9, 15, 17, 19, and 23 are two-story, wood-framed structures on a concrete foundation and features four units, which are four bedrooms each. Interior finishes include carpet, sheet vinyl flooring, vinyl cove base, textured gypsum wallboard walls, and popcorn textured gypsum wallboard ceilings. Windows and sliding doors are vinyl. The exterior features wood siding and trim. The roof features a membrane over built up roofing.

Community Building

The Community Building is a single-story structure on a concrete foundation. Interior finishes include sheet vinyl flooring, vinyl floor tile, vinyl cove base, textured gypsum wallboard walls, and vaulted wood ceilings. Windows and sliding doors are vinyl. The exterior features wood siding and trim. Roofing consists of a pitched metal roof.

Laundry Building

The Laundry Buildings is a single-story structure on a concrete foundation. Interior finishes include sheet vinyl flooring, textured gypsum wallboard walls, and gypsum wallboard ceilings. Windows and sliding doors are vinyl. The exterior features wood siding and trim. Roofing consists of a pitched metal roof.

Maintenance Shed

The Maintenance Shed is a single-story structure on a concrete foundation. Interior finishes include concrete floors and gypsum wallboard ceilings and walls. The exterior features wood siding and trim. Roofing consists of a pitched metal roof.

1.3 Survey Process

Suspect ACMs anticipated to be impacted by project activities were inspected by AHERA-accredited Asbestos Building Inspectors Claire Tsai (Cert. No. IR-22-7316B, Exp. 11/10/2023), Ferman Fletcher (Cert. No. 184489 Exp. 4/5/2023), Janet Murphy (Cert. No. IMR-23-8300A Exp. 3-02-2024), Mae Reilly (Cert. No. IN-22-0591C Exp. 7/13/2023) and Ryan Hunter (Cert. No. IRO-23-7254B Exp. 2/13/2024) between January and March 2023, for the presence of suspect ACMs.

When observed, suspect materials were sampled. All samples were assigned a unique identification number and transmitted for analysis to Seattle Asbestos Test, LLC (NVLAP # 201057-0) for analysis. All samples were analyzed by 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 laboratory report located in Appendix A.

Destructive investigation was not performed to investigate inaccessible areas. Inaccessible areas are defined as those requiring selective demolition, fall protection, or confined-space entry protocols to gain access. While PBS has endeavored to identify concealed ACMs, additional unidentified materials may be present in concealed locations that were not accessed during this survey. Any materials encountered during renovation that have not been previously sampled should be sampled for asbestos content prior to impact.

PBS was not able to access the flooring in the following areas as part of the investigation:

- 4C bedrooms
- 5H bedrooms
- 11B all flooring except kitchen
- 20C bedrooms
- 22C hall closet

2 FINDINGS

2.1 Asbestos-Containing Materials (ACMs)

The following materials were sampled and contain **greater than 1% asbestos**.

- **Popcorn ceiling texture** –all ceilings except kitchens and bathrooms in Buildings 1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25 (Not present in Units 6G and 18F) (Approximately 155,000 SF)
- **Black mastic** under various layers of flooring: (Approximately 100,000 SF)
 - Throughout Community Building,
 - All stacked units excluding bedrooms except for bedrooms in Units 6A, 6C, 7C (middle bedroom)
 - Townhomes (first floor only)
- **Vinyl floor tile and associated black mastic** under various layers of flooring: (Approximately 3,700 SF)

- Building 1: Unit H kitchen, restroom,
- Building 2: Unit 2A restroom, Unit 2H hall closet, Unit 2G restroom
- Building 4: Unit 4B hall, Unit 4C hall, hall closet, kitchen,
- Building 5: Unit 5B restroom, Unit 5F hallway, kitchen, Unit 5G hallway
- Building 6: Unit 6C bedrooms, Unit 6H hall, hall closet
- Building 7: Unit 7A hall closet, Unit 7C hall, hall closet
- Building 10: Unit 10A hall, kitchen, Unit 10C hall, hall closet, restroom, kitchen Unit 10H hall
- Building 11: Unit 11A hall, Unit 11C hall, hall closet, kitchen, Unit 11D hall, kitchen, Unit 11E restroom, Unit 11H hall closet
- Building 12: Unit 12H restroom
- Building 13: Unit 13A hall closet, kitchen, hall, Unit 13B hall, hall closet, kitchen, Unit 13D hall closet, Unit 13F kitchen, hall closet, Unit 13G hall closet
- Building 14: Unit 14A kitchen, Unit 14F kitchen, hall, hall closet
- Building 16: Unit 16H hall
- Building 20: Unit 20E restroom, Unit 20H kitchen, hall, bath, Unit 20G hall, hall closet
- Building 21: Unit 21D hall, Unit 21C kitchen, restroom
- Building 22: Unit 22A hall, Unit 22C hall, Unit 22D hall, hall closet
- Building 24: Unit 24A hall closet, Unit 24H living room
- **Sheet vinyl flooring** – Unit 5E hall, hall closet, restroom, 22G restroom, 7E hall and hall closet (Approximately 320 SF)
- **Silver coating on asphaltic roofing under membrane** – Building 21 Roof (Approximately 4,500 SF)
- **Joint compound** associated with non-asbestos gypsum wallboard (Composite Analysis <1%) – throughout all buildings

The materials identified above may be present in units and building areas that were not included in the scope of this investigation and should be considered asbestos-containing.

The following material was sampled and found to contain **less than 1% asbestos**.

- **Knockdown wall/ceiling texture** – throughout Buildings 1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, The Community Building and Laundry Building

The following materials were sampled and **do not** contain detectable asbestos.

- Orange peel wall and ceiling texture – Units 6G and 18F
- Brown or yellow carpet mastic/adhesive – throughout all buildings (excluding laundry and maintenance)
- White or grey leveling compound – various locations below flooring
- Sheet vinyl flooring and associated mastic – all locations not listed in previous section
- Orange/brown vinyl floor tile – Unit 19D living room below carpet, Unit 18E
- White vinyl floor tile – Community building: community room and storage room

- Grout associated with 1' glass tile back splash – Unit 6D kitchen, Community Building kitchen
- 1" ceramic floor tile, grout, and clear mastic – Unit 18A restroom
- Heat shield – lights throughout
- White caulk associated with vinyl door frames and windows – throughout all buildings
- 4" cream, tan, white, or beige vinyl cove base and associated cream, tan, or yellow mastic 0 throughout all buildings
- White fiberglass reinforced wall panels and associated tan mastic – Laundry building walls
- Grey, white, and black sink undercoats – throughout all buildings (excluding laundry and maintenance)
- Acoustical pads under sinks – throughout all buildings (excluding laundry and maintenance)
- Blown in insulation – attics in Townhomes 9, 15, 17, 19, and 23
- Fiberglass insulation – Maintenance shop attic
- Brick and mortar – Community building fireplace
- Black vapor barrier – throughout all building exteriors below siding
- Fiberboard soffit – exterior of Buildings 1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25
- White sealant on roof vents – Buildings 1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25
- Black asphaltic material inside vent pipe vents – Buildings 1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25
- Membrane roof core – Buildings 1, 2, 3, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 25
- Asphaltic roof – Building 4, 24

Refer to Appendix A for a complete listing of representative bulk sampling and associated laboratory analysis.

2.2 Lead-Containing Paint

PBS performed limited paint sampling as part of this investigation. Twenty-six (26) representative painted coatings were sampled for lead content. The samples were assigned a unique identification number and transmitted to NVL Laboratories, Inc. (AIHA IH #101861) in Seattle, Washington, under chain-of-custody protocols for analysis using Flame Atomic Absorption (EPA 3051/7000B).

Lead was identified above the analytical limit of detection in the following coatings:

- Beige paint on wood windowsill – 0.0073% lead
- White paint on gypsum wallboard wall – 0.020% lead
- Blue paint on wood siding – 0.040% lead
- Brown paint on wood siding – 0.059% lead
- Green paint on wood siding – 0.040% lead
- White paint on wood trim – 0.038% lead

Refer to Appendix B for additional information including a complete list of representative samples collected, specific sample locations and associated laboratory analysis.

3 RECOMMENDATIONS

3.1 Asbestos-Containing Materials (ACMs)

PBS recommends that ACMs to be impacted by renovation or demolition activities be removed prior to construction or only be impacted by properly trained and protected personnel in accordance with applicable local, state and federal regulations. A qualified asbestos abatement contractor licensed in the State of

Washington should be employed for any removal and proper disposal of ACM in accordance with all applicable local, state and federal regulations.

The composite analysis of the wallboard systems (gypsum wallboard and joint compound) throughout the site contain less than 1% asbestos. The presence of less than 1% asbestos in wallboard systems 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. Refer to WISHA Regional Directive 23.30 for additional information.

Knockdown wall/ceiling texture containing less 1% asbestos is present in various locations. The State of Washington Department of Labor and Industries regulations require various employee/worker compliance for all trades during activities impacting materials containing less than 1% asbestos, including but not limited to asbestos awareness training, initial exposure monitoring, worker protection, engineering controls (use of wet methods and HEPA vacuums for debris cleanup), worker training and supervision by an asbestos "competent person" (WAC 296-62-077).

ACMs were found within the building areas included in the scope of this survey. The ACMs identified are presumed to be present in all units and building areas that were not include in the scope of this investigation. The possibility exists that suspect ACM may be present in concealed areas included in the scope of the renovations. Concealed suspect ACMs encountered during construction should be considered asbestos-containing until properly sampled by an AHERA Certified Building Inspector.

3.2 Lead-Containing Paint (LCP)

Limited representative painted coatings from the project location were found to contain detectable lead by laboratory analysis. 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. Dust control and housekeeping is crucial in preventing worker and occupant exposures.

All construction activities performed in pre-1978 residential buildings require compliance with the Environmental Protection Agency (EPA) and State of Washington lead paint regulations including but not limited to 40 CFR 745 Renovation, Repair and Painting (RRP) program regulations and 24 CFR 35 Lead-Based Paint Poisoning in Certain Residential Structures, WAC 296-155-176 L&I Lead in Construction, and WAC 173-303 State of Washington Department of Ecology Dangerous Waste Regulations.

The paint sampling performed as part of this survey was intended to provide information regarding lead-content of representative painted surfaces for compliance with the L&I Lead in Construction regulations. The paint sampling was not intended to meet the requirements of the RRP regulations or the Housing and Urban Development (HUD) Guidelines for the Evaluation and Control of Lead-Based Paint in Housing.

Report prepared by:

 Digitally signed by
Claire Tsai
Date: 2023.04.10
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Claire Tsai
Project Manager/AHERA Building Inspector
Cert. No. IR-22-7316B, Exp. 11/10/2023

Report reviewed by: M. Hiley

APPENDIX A

PLM Bulk Sampling Information

PLM Bulk Sample Laboratory Data Sheets

PLM Bulk Sample Chain of Custody Documentation

<u>PBS Sample #</u>	<u>Material Type</u>	<u>Sample Location</u>	<u>Lab Description</u>	<u>Lab Result</u>	<u>Lab</u>
40573.247-01	Joint compound Gypsum wallboard	1A hall	Layer 1: White powdery material with paint and paper Layer 2: White chalky material with paper	2% Chrysotile NAD Composite <1%	SAT
40573.247-02	Joint compound Gypsum wallboard	2H bedroom	Layer 1: White powdery material with paint Layer 2: White chalky material with paper	2% Chrysotile NAD Composite <1%	SAT
40573.247-03	Joint compound Gypsum wallboard	3A bedroom	Layer 1: White powdery material with paint and paper Layer 2: White chalky material with paper	2% Chrysotile NAD Composite <1%	SAT
40573.247-04	Joint compound Gypsum wallboard	4B restroom	Layer 1: White powdery material with paint and paper Layer 2: White chalky material with paper	2% Chrysotile NAD Composite <1%	SAT
40573.247-05	Joint compound Gypsum wallboard	5E restroom	Layer 1: White powdery material with paint and paper Layer 2: White chalky material with paper	2% Chrysotile NAD Composite <1%	SAT
40573.247-06	Joint compound Gypsum wallboard	6D hall	Layer 1: White powdery material with paint and paper Layer 2: White chalky material with paper	2% Chrysotile NAD Composite <1%	SAT
40573.247-07	Joint compound Gypsum wallboard	7A bedroom	Layer 1: White powdery material with paint Layer 2: White chalky material with paper	2% Chrysotile NAD Composite <1%	SAT
40573.247-08	Joint compound Gypsum wallboard	10E hall	Layer 1: White powdery material with paint and paper Layer 2: White chalky material with paper	2% Chrysotile NAD Composite <1%	SAT

<u>PBS Sample #</u>	<u>Material Type</u>	<u>Sample Location</u>	<u>Lab Description</u>	<u>Lab Result</u>	<u>Lab</u>
40573.247-09	Joint compound Gypsum wallboard	11D restroom	Layer 1: White powdery material with paint and paper Layer 2: White chalky material with paper	2% Chrysotile NAD Composite <1%	SAT
40573.247-10	Joint compound Gypsum wallboard	12B bedroom	Layer 1: White powdery material with paint and paper Layer 2: White chalky material with paper	2% Chrysotile NAD Composite <1%	SAT
40573.247-11	Joint compound Gypsum wallboard	13A bedroom	Layer 1: White powdery material with paint and paper Layer 2: White chalky material with paper	2% Chrysotile NAD Composite <1%	SAT
40573.247-12	Joint compound Gypsum wallboard	14C bedroom	Layer 1: White powdery material with paint and paper Layer 2: White chalky material with paper	2% Chrysotile NAD Composite <1%	SAT
40573.247-13	Gypsum wallboard	16H restroom	Layer 1: White chalky material with paint and paper	NAD	SAT
40573.247-14	Joint compound Gypsum wallboard	18F restroom	Layer 1: White powdery material with paint and paper Layer 2: White chalky material with paper	2% Chrysotile NAD Composite <1%	SAT
40573.247-15	Joint compound Gypsum wallboard	20E bedroom	Layer 1: White powdery material with paint and paper Layer 2: White chalky material with paper	2% Chrysotile NAD Composite <1%	SAT
40573.247-16	Joint compound Gypsum wallboard	21F entry	Layer 1: Trace white powdery material with paint and paper Layer 2: White chalky material with paper	NAD	SAT
40573.247-17	Joint compound Gypsum wallboard	22G entry	Layer 1: Trace white powdery material with paint and paper	NAD	SAT

<u>PBS Sample #</u>	<u>Material Type</u>	<u>Sample Location</u>	<u>Lab Description</u>	<u>Lab Result</u>	<u>Lab</u>
40573.247-18	Joint compound Gypsum wallboard	24A restroom	Layer 2: White chalky material with paper Layer 1: Trace white powdery material with paint and paper Layer 2: White chalky material with paper	NAD NAD NAD	SAT
40573.247-19	Joint compound Gypsum wallboard	25D entry	Layer 1: White powdery material with paint Layer 2: White chalky material with paper	2% Chrysotile NAD Composite <1%	SAT
40573.247-20	Orange peel texture ceiling	6G kitchen	Layer 1: White powdery material with paint	NAD	SAT
40573.247-21	Orange peel texture ceiling	6G living	Layer 1: White powdery material with paint	NAD	SAT
40573.247-22	Orange peel texture wall	6G bedroom	Layer 1: White powdery material with paint	NAD	SAT
40573.247-23	Orange peel texture wall	6G bedroom	Layer 1: White powdery material with paint	NAD	SAT
40573.247-24	Orange peel texture wall	6G restroom	Layer 1: White powdery material with paint	NAD	SAT
40573.247-25	Orange peel texture ceiling	18F kitchen	Layer 1: White powdery material with paint	NAD	SAT
40573.247-26	Orange peel texture ceiling	18F living	Layer 1: White powdery material with paint	NAD	SAT
40573.247-27	Orange peel texture wall	18F hall	Layer 1: White powdery material with paint	NAD	SAT
40573.247-28	Orange peel texture wall	18F restroom	Layer 1: White powdery material with paint	NAD	SAT
40573.247-29	Orange peel texture wall	18 F living	Layer 1: White powdery material with paint	NAD	SAT
40573.247-30	Knock down wall texture	1A bedroom	Layer 1: White powdery material with paint	2% Chrysotile Point Count 0.75%	SAT
40573.247-31	Knock down wall texture	2F bedroom	Layer 1: White powdery material with paint	2% Chrysotile Point Count 0.75%	SAT
40573.247-32	Knock down wall texture	3A restroom	Layer 1: White powdery material with paint	2% Chrysotile	SAT

<u>PBS Sample #</u>	<u>Material Type</u>	<u>Sample Location</u>	<u>Lab Description</u>	<u>Lab Result</u>	<u>Lab</u>
40573.247-33	Knock down wall texture	4E bedroom	Layer 1: White powdery material with paint	Point Count 0.5%	SAT
40573.247-34	Knock down wall texture	5E living	Layer 1: White powdery material with paint	2% Chrysotile Point Count 0.5%	SAT
40573.247-35	Knock down ceiling texture	6D kitchen	Layer 1: White powdery material with paint	2% Chrysotile Point Count 0.75%	SAT
40573.247-36	Knock down wall texture	7A hall	Layer 1: White powdery material with paint	2% Chrysotile Point Count 0.75%	SAT
40573.247-37	Knock down wall texture	10B restroom	Layer 1: White powdery material with paint	2% Chrysotile Point Count 0.75%	SAT
40573.247-38	Knock down ceiling texture	11D kitchen	Layer 1: White powdery material with paint	2% Chrysotile Point Count 0.5%	SAT
40573.247-39	Knock down wall texture	12B bedroom	Layer 1: White powdery material with paint	2% Chrysotile Point Count 0.75%	SAT
40573.247-40	Knock down wall texture	13A hall	Layer 1: White powdery material with paint	2% Chrysotile Point Count 0.5%	SAT
40573.247-41	Knock down wall texture	14C living	Layer 1: White powdery material with paint	2% Chrysotile	SAT

<u>PBS Sample #</u>	<u>Material Type</u>	<u>Sample Location</u>	<u>Lab Description</u>	<u>Lab Result</u>	<u>Lab</u>
40573.247-42	Knock down wall texture	16C restroom	Layer 1: White powdery material with paint	Point Count 0.5%	SAT
40573.247-43	Knock down ceiling texture	18A kitchen	Layer 1: White powdery material with paint	2% Chrysotile Point Count 0.75%	SAT
40573.247-44	Knock down wall texture	20B bedroom	Layer 1: White powdery material with paint	2% Chrysotile Point Count 0.75%	SAT
40573.247-45	Knock down ceiling texture	21D kitchen	Layer 1: White powdery material with paint	2% Chrysotile Point Count 0.5%	SAT
40573.247-46	Knock down wall texture	22G restroom	Layer 1: White powdery material with paint	2% Chrysotile Point Count 0.5%	SAT
40573.247-47	Knock down wall texture	24A bedroom	Layer 1: White powdery material with paint	2% Chrysotile Point Count 0.75%	SAT
40573.247-48	Knock down wall texture	25D bedroom	Layer 1: White powdery material with paint	2% Chrysotile Point Count < 1%	SAT
40573.247-49	Popcorn ceiling texture	1A hall	Layer 1: White powdery material with paint	2% Chrysotile	SAT
40573.247-50	Popcorn ceiling texture	4E bedroom	Layer 1: White soft lumpy material with paint	3% Chrysotile	SAT
40573.247-51	Popcorn ceiling texture	6D living	Layer 1: White soft lumpy material with paint	3% Chrysotile	SAT
40573.247-52	Popcorn ceiling texture	12B hall	Layer 1: White soft lumpy material with paint	3% Chrysotile	SAT

<u>PBS Sample #</u>	<u>Material Type</u>	<u>Sample Location</u>	<u>Lab Description</u>	<u>Lab Result</u>	<u>Lab</u>
40573.247-53	Popcorn ceiling texture	18A hall	Layer 1: White soft lumpy material with paint	3% Chrysotile	SAT
40573.247-54	Popcorn ceiling texture	21D living	Layer 1: White soft lumpy material with paint	3% Chrysotile	SAT
40573.247-55	Popcorn ceiling texture	24A bedroom	Layer 1: White soft lumpy material with paint	3% Chrysotile	SAT
40573.247-56	Grey/green vinyl floor tile Black mastic	22A hall	Layer 1: Gray/green tile Layer 2: Black mastic	2% Chrysotile 2% Chrysotile	SAT
40573.247-57	Beige textured vinyl floor tile Black mastic	21D hall under carpet	Layer 1: Beige tile Layer 2: Black mastic	2% Chrysotile 2% Chrysotile	SAT
40573.247-58	Vinyl floor tile Black mastic White and gray leveling compound	20E restroom under 12" tile pattern sheet vinyl flooring	Layer 1: White tile Layer 2: Black mastic Layer 3: White/gray brittle material	2% Chrysotile 2% Chrysotile NAD	SAT
40573.247-59	Beige vinyl floor tile Black mastic White leveling compound	16H hall under carpet	Layer 1: Beige tile Layer 2: Black mastic Layer 3: White brittle material	2% Chrysotile 2% Chrysotile NAD	SAT
40573.247-60	Beige textured vinyl floor tile	11D hall under carpet	Layer 1: Beige tile Layer 2: Clear mastic Layer 3: Gray sandy/brittle material	2% Chrysotile NAD NAD	SAT
40573.247-61	Yellow carpet mastic Vinyl floor tile Black mastic	13A hall closet under carpet	Layer 1: Yellow mastic Layer 2: Beige tile Layer 3: Black mastic	NAD 2% Chrysotile 2% Chrysotile	SAT
40573.247-62	Vinyl floor tile Black mastic	2H hall closet	Layer 1: Beige tile Layer 2: Black/yellow mastic	2% Chrysotile NAD	SAT
40573.247-63	Brown mastic below carpet pad	7A bedroom	Layer 1: Brown mastic	NAD	SAT
40573.247-64	Yellow mastic below carpet pad	10B bedroom	Layer 1: Yellow mastic	NAD	SAT
40573.247-65	Yellow mastic below carpet pad	2H bedroom	Layer 1: Yellow mastic	NAD	SAT
40573.247-66	White leveling compound and carpet pad adhesive	1G Bedroom	Layer 1: White brittle material	NAD	SAT

Kirkland Heights Apartments 25 Buildings
King County Housing Authority
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>
40573.247-67	Grey leveling compound	11D living room under carpet	Layer 1: Gray brittle material	NAD	SAT
40573.247-68	Green mastic Gray leveling compound	18A restroom below wood sheet vinyl flooring	Layer 1: Green mastic Layer 2: Gray brittle material	NAD NAD	SAT
40573.247-69	Grey leveling compound	4E living room under wood sheet vinyl flooring	Layer 1: Gray brittle material	NAD	SAT
40573.247-70	Grout associated with 1" glass back splash tile	6D kitchen	Layer 1: White sandy/brittle material	NAD	SAT
40573.247-71	1" ceramic floor tile Grout	18A restroom below wood sheet vinyl flooring	Layer 1: White ceramic Layer 2: White brittle/sandy material Layer 3: Clear mastic	NAD NAD NAD	SAT
40573.247-72	Heat shield	1G entry light	Layer 1: Silver foil Layer 2: White fibrous material	NAD NAD	SAT
40573.247-73	White doorframe caulk	1G sliding glass door	Layer 1: White soft/elastic material	NAD	SAT
40573.247-74	White window caulk	6D kitchen	Layer 1: White soft/elastic material	NAD	SAT
40573.247-75	4" cream vinyl covebase Cream mastic	1A entry	Layer 1: Cream rubbery material Layer 2: Cream mastic	NAD NAD	SAT
40573.247-76	4" tan vinyl covebase Cream mastic	1G bedroom	Layer 1: Tan rubbery material Layer 2: Cream mastic	NAD NAD	SAT
40573.247-77	4" cream vinyl covebase Cream mastic	6D restroom	Layer 1: Cream rubbery material Layer 2: Cream mastic	NAD NAD	SAT
40573.247-78	4" beige vinyl covebase Tan mastic	7F restroom	Layer 1: Beige rubbery material Layer 2: Tan mastic	NAD NAD	SAT
40573.247-79	4" cream vinyl covebase Yellow mastic	10E kitchen	Layer 1: Cream rubbery material Layer 2: Yellow mastic	NAD NAD	SAT
40573.247-80	4" tan vinyl covebase	16C bedroom	Layer 1: Tan rubbery material	NAD	SAT

<u>PBS Sample #</u>	<u>Material Type</u>	<u>Sample Location</u>	<u>Lab Description</u>	<u>Lab Result</u>	<u>Lab</u>
	Cream mastic		Layer 2: Cream mastic	NAD	
40573.247-81	4" cream vinyl covebase Cream mastic	21D hall	Layer 1: Cream rubbery material Layer 2: Cream mastic	NAD NAD	SAT
40573.247-82	4" tan vinyl covebase Cream mastic	24A restroom	Layer 1: Tan rubbery material Layer 2: Cream mastic	NAD NAD	SAT
40573.247-83	Grey sink undercoat	5E kitchen	Layer 1: Gray soft/loose material	NAD	SAT
40573.247-84	Grey sink undercoat	11D kitchen	Layer 1: Gray soft/loose material	NAD	SAT
40573.247-85	Grey sink undercoat	12E kitchen	Layer 1: Gray soft/loose material	NAD	SAT
40573.247-86	Grey sink undercoat	18F kitchen	Layer 1: Gray soft/loose material	NAD	SAT
40573.247-87	Grey sink undercoat	22A kitchen	Layer 1: Gray soft/loose material	NAD	SAT
40573.247-88	White sink undercoat	2H kitchen	Layer 1: White soft/loose material	NAD	SAT
40573.247-89	White sink undercoat	13G kitchen	Layer 1: White soft/loose material	NAD	SAT
40573.247-90	White sink undercoat	21D kitchen	Layer 1: White soft/loose material	NAD	SAT
40573.247-91	White sink undercoat	25D kitchen	Layer 1: White soft/loose material	NAD	SAT
40573.247-92	Black sink undercoat	16H kitchen	Layer 1: Black soft/loose material	NAD	SAT
40573.247-93	Black sink undercoat	10E kitchen	Layer 1: Black soft/loose material	NAD	SAT
40573.247-94	Black sink undercoat	13A kitchen	Layer 1: Black soft/loose material	NAD	SAT
40573.247-95	Black sink undercoat	1A kitchen	Layer 1: Black soft/loose material	NAD	SAT
40573.247-96	Black sink undercoat	5C kitchen	Layer 1: Black soft/loose material	NAD	SAT
40573.247-97	Grey sink undercoat and acoustical pad	1G kitchen	Layer 1: Gray soft/elastic material	NAD	SAT

<u>PBS Sample #</u>	<u>Material Type</u>	<u>Sample Location</u>	<u>Lab Description</u>	<u>Lab Result</u>	<u>Lab</u>
40573.247-98	Grey sink undercoat and acoustical pad	4E kitchen	Layer 1: Gray soft/elastic material	NAD	SAT
40573.247-99	Grey sink undercoat and acoustical pad	10B kitchen	Layer 1: Gray soft/elastic material	NAD	SAT
40573.247-100	Grey sink undercoat and acoustical pad	18A kitchen	Layer 1: Gray soft/elastic material	NAD	SAT
40573.247-101	White sink undercoat Black acoustical pad	3A kitchen	Layer 1: Black soft/elastic material	NAD	SAT
40573.247-102	Grey sink undercoat and acoustical pad	6G kitchen	Layer 1: Gray soft/elastic material	NAD	SAT
40573.247-103	White sink undercoat Black acoustical pad	14E kitchen	Layer 1: White soft/loose material Layer 2: Black soft/elastic material	NAD NAD	SAT
40573.247-104	White sink undercoat Black acoustical pad	24G kitchen	Layer 1: White soft/loose material Layer 2: Black soft/elastic material	NAD NAD	SAT
40573.247-105	12" tile pattern sheet vinyl flooring Black mastic	1A restroom on concrete	Layer 1: Beige sheet vinyl Layer 2: Gray fibrous material with black/ yellow mastic	NAD NAD	SAT
40573.247-106	12" tile pattern sheet vinyl flooring Yellow mastic Black mastic	1A kitchen on concrete	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with black/ yellow mastic	NAD NAD	SAT
40573.247-107	Wood pattern sheet vinyl flooring Green mastic Sheet vinyl flooring Yellow mastic Concrete	1G restroom	Layer 1: Brown sheet vinyl Layer 2: Green mastic Layer 3: Gray sheet vinyl Layer 4: Yellow mastic Layer 5: Gray sandy/brittle material	NAD NAD NAD NAD NAD	SAT
40573.247-108	Wood pattern sheet vinyl flooring Sheet vinyl flooring Black mastic	1G kitchen	Layer 1: Brown sheet vinyl Layer 2: Green mastic Layer 3: Gray sheet vinyl Layer 4: Yellow/black mastic	NAD NAD NAD 2% Chrysotile	SAT

<u>PBS Sample #</u>	<u>Material Type</u>	<u>Sample Location</u>	<u>Lab Description</u>	<u>Lab Result</u>	<u>Lab</u>
40573.247-109	Concrete	2H kitchen	Layer 5: Gray sandy/brittle material	NAD	SAT
	Wood pattern sheet vinyl flooring		Layer 1: Brown sheet vinyl	NAD	
	Sheet vinyl flooring		Layer 2: Yellow mastic	NAD	
	Sheet vinyl flooring		Layer 3: Off-white sheet vinyl	NAD	
			Layer 4: Gray fibrous material with mastic	NAD	
			Layer 5: Yellow sheet vinyl	NAD	
			Layer 6: Gray fibrous material with mastic	NAD	
40573.247-110	Black mastic	2H restroom	Layer 7: Yellow/black mastic	2% Chrysotile	SAT
	Wood pattern sheet vinyl flooring		Layer 1: Brown sheet vinyl	NAD	
	Black mastic		Layer 2: Black mastic	4% Chrysotile	
40573.247-111	12" tile pattern sheet vinyl flooring Gray leveling compound	2F restroom	Layer 3: Gray sandy/brittle material	NAD	SAT
			Layer 1: Gray sheet vinyl	NAD	
			Layer 2: Gray fibrous material with mastic	NAD	
40573.247-112	12" tile pattern sheet vinyl flooring Yellow mastic	2F kitchen	Layer 3: Gray brittle material	NAD	SAT
			Layer 1: Gray sheet vinyl	NAD	
40573.247-113	Gray leveling compound Wood pattern sheet vinyl flooring	2F living room	Layer 2: Gray fibrous material with mastic	NAD	SAT
			Layer 1: Brown sheet vinyl	NAD	
40573.247-114	Wood pattern sheet vinyl flooring Sheet vinyl flooring Gray leveling compound	3A kitchen	Layer 2: Yellow mastic	NAD	SAT
			Layer 1: Gray sheet vinyl	NAD	
			Layer 2: Gray fibrous material with mastic	NAD	
			Layer 3: Yellow sheet vinyl	NAD	
40573.247-115	Wood pattern sheet vinyl flooring Sheet vinyl flooring	3A hall	Layer 4: Gray fibrous material with mastic	NAD	SAT
			Layer 1: Brown sheet vinyl	NAD	
			Layer 2: Yellow mastic	NAD	
			Layer 3: Yellow sheet vinyl	NAD	
			Layer 4: Gray fibrous material with mastic	NAD	
40573.247-116	Black mastic	3A restroom	Layer 5: Yellow/black mastic	2% Chrysotile	SAT
			Layer 1: Brown sheet vinyl	NAD	
			Layer 2: Yellow mastic	NAD	
			Layer 3: Beige sheet vinyl	NAD	
			Layer 4: Gray fibrous material with mastic	NAD	

<u>PBS Sample #</u>	<u>Material Type</u>	<u>Sample Location</u>	<u>Lab Description</u>	<u>Lab Result</u>	<u>Lab</u>
40573.247-117	Sheet vinyl flooring	3G restroom	Layer 5: Brown sheet vinyl	NAD	2% Chrysotile
	Black mastic		Layer 6: Gray fibrous material with mastic	NAD	
			Layer 7: Yellow/black mastic		
40573.247-118	12" tile pattern sheet vinyl flooring	3G kitchen	Layer 1: Brown sheet vinyl	NAD	2% Chrysotile
	Sheet vinyl flooring		Layer 2: Gray fibrous material with mastic	NAD	
	Black mastic		Layer 3: Yellow/black mastic	2% Chrysotile	
	Concrete		Layer 4: Gray sandy/brittle material	NAD	
40573.247-119	Yellow mastic	3G hall closet	Layer 1: Yellow mastic	NAD	2% Chrysotile
	Second layer sheet vinyl flooring		Layer 2: White sheet vinyl	NAD	
	Black mastic		Layer 3: Gray fibrous material with mastic	NAD	
	Concrete		Layer 4: Yellow/black mastic	2% Chrysotile	
			Layer 5: Gray sandy/brittle material	NAD	
40573.247-120	Gray wood pattern sheet vinyl flooring	3G	Layer 1: Gray sheet vinyl	NAD	2% Chrysotile
	Black mastic		Layer 2: Gray fibrous material with mastic	NAD	
			Layer 3: Yellow/black mastic	2% Chrysotile	
40573.247-121	Grey wood pattern sheet vinyl flooring	4B hall under two layers wood	Layer 1: Gray sheet vinyl	NAD	2% Chrysotile
	Concrete		Layer 2: Gray fibrous material with mastic	NAD	
			Layer 3: Gray sandy/brittle material	NAD	
40573.247-121	Beige textured vinyl floor tile	4B hall under two layers wood	Layer 1: Beige tile	2% Chrysotile	SAT
	Black mastic		Layer 2: Black mastic	3% Chrysotile	
40573.247-122	Grey wood pattern sheet vinyl flooring	4B restroom	Layer 1: Brown sheet vinyl	NAD	2% Chrysotile
	Green mastic		Layer 2: Green/black mastic	2% Chrysotile	
	Black mastic		Layer 3: Gray sandy/brittle material	NAD	
40573.247-123	Second layer sheet vinyl flooring	4E hall under wood pattern sheet	Layer 1: Gray sheet vinyl	NAD	2% Chrysotile
	Black mastic		Layer 2: Gray fibrous material with mastic	NAD	
			Layer 3: Black mastic	2% Chrysotile	
40573.247-124	Wood pattern sheet vinyl flooring	4E kitchen	Layer 1: Brown sheet vinyl	NAD	2% Chrysotile
			Layer 2: Yellow mastic	NAD	
	Sheet vinyl flooring		Layer 3: Gray sheet vinyl	NAD	
			Layer 4: Gray fibrous material with mastic	NAD	
	Black mastic		Layer 5: Black mastic	2% Chrysotile	

<u>PBS Sample #</u>	<u>Material Type</u>	<u>Sample Location</u>	<u>Lab Description</u>	<u>Lab Result</u>	<u>Lab</u>
	Concrete		Layer 6: Gray sandy/brittle material	NAD	
40573.247-125	Wood pattern sheet vinyl flooring Sheet vinyl flooring Black mastic	4E restroom	Layer 1: Gray sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Yellow/black mastic	NAD NAD 2% Chrysotile	SAT
40573.247-126	Wood pattern sheet vinyl flooring Yellow mastic Gray leveling compound Black mastic	5C restroom	Layer 1: Brown sheet vinyl Layer 2: Yellow mastic Layer 3: Gray sandy/brittle material Layer 4: Trace black mastic	NAD NAD NAD NAD	SAT
40573.247-127	Off-white sheet vinyl flooring	5C entry	Layer 1: Off-white sheet vinyl Layer 2: Gray fibrous material with mastic	NAD NAD	SAT
40573.247-128	Off-white sheet vinyl flooring Gray leveling compound	5C hall	Layer 1: Off-white sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Gray sandy/brittle material	NAD NAD NAD	SAT
40573.247-129	12" tile pattern sheet vinyl flooring Yellow mastic Gray leveling compound Black mastic	5E kitchen	Layer 1: Off-white sheet vinyl Layer 2: Gray fibrous material with yellow mastic Layer 3: Gray sandy/brittle material Layer 4: Trace black mastic	NAD NAD NAD NAD	SAT
40573.247-130	12" tile pattern sheet vinyl flooring Sheet vinyl flooring Black mastic	5E restroom	Layer 1: Off-white sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Gray sandy/brittle material Layer 4: Gray fibrous material with black mastic	NAD NAD NAD 50% Chrysotile	SAT
40573.247-131	Wood pattern sheet vinyl flooring Black mastic	6D restroom	Layer 1: Brown sheet vinyl Layer 2: Yellow/black mastic	NAD 2% Chrysotile	SAT
40573.247-132	Grey wood pattern sheet vinyl flooring	6G living on concrete	Layer 1: Brown sheet vinyl Layer 2: Trace yellow/black mastic	NAD NAD	SAT
40573.247-133	12" vinyl floor tile Black mastic	7A hall closet	Layer 1: Beige tile Layer 2: Trace black mastic	NAD NAD	SAT

<u>PBS Sample #</u>	<u>Material Type</u>	<u>Sample Location</u>	<u>Lab Description</u>	<u>Lab Result</u>	<u>Lab</u>
40573.247-134	6" tile pattern sheet vinyl flooring Sheet vinyl flooring Black mastic	7A kitchen	Layer 1: Beige sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Yellow sheet vinyl Layer 4: Gray fibrous material with mastic Layer 5: Black mastic	NAD NAD NAD NAD 2% Chrysotile	SAT
40573.247-135	6" tile pattern sheet vinyl flooring Sheet vinyl flooring Black mastic	7A restroom	Layer 1: Beige sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Yellow sheet vinyl Layer 4: Gray fibrous material with mastic Layer 5: Black mastic	NAD NAD NAD NAD 2% Chrysotile	SAT
40573.247-136	12" tile pattern sheet vinyl flooring Gray leveling compound Black mastic	7F restroom	Layer 1: Gray sheet vinyl Layer 2: Clear mastic Layer 3: Gray brittle material Layer 4: Black mastic	NAD NAD NAD 2% Chrysotile	SAT
40573.247-137	Grey wood pattern sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring Black mastic	10B restroom	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Beige sheet vinyl Layer 4: Gray fibrous material with mastic Layer 5: Yellow sheet vinyl Layer 6: Gray fibrous material with mastic Layer 7: Gray brittle material Layer 8: Black mastic	NAD NAD NAD NAD NAD NAD 2% Chrysotile	SAT
40573.247-138	Grey wood pattern sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring Black mastic	10B kitchen	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Beige sheet vinyl Layer 4: Gray fibrous material with mastic Layer 5: Black mastic	NAD NAD NAD NAD 2% Chrysotile	SAT
40573.247-139	12" tile pattern sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring	10E kitchen	Layer 1: Beige sheet vinyl Layer 2: Yellow mastic Layer 3: Gray sheet vinyl Layer 4: Gray fibrous material with mastic Layer 5: Yellow sheet vinyl Layer 6: Gray fibrous material with mastic	NAD NAD NAD NAD NAD NAD	SAT

<u>PBS Sample #</u>	<u>Material Type</u>	<u>Sample Location</u>	<u>Lab Description</u>	<u>Lab Result</u>	<u>Lab</u>
40573.247-140	Black mastic 12" tile pattern sheet vinyl flooring Sheet vinyl flooring Concrete Black mastic	10E restroom	Layer 7: Gray sandy/brittle material Layer 8: Black mastic Layer 1: Gray sheet vinyl Layer 2: Yellow mastic Layer 3: Gray sheet vinyl Layer 4: Yellow mastic Layer 5: Gray sandy/brittle material Layer 6: Black mastic	NAD 2% Chrysotile	SAT
40573.247-141	Green mastic Second layer sheet vinyl flooring Concrete Black mastic	11D restroom	Layer 1: Green mastic Layer 2: Off-white sheet vinyl Layer 3: Gray fibrous material with mastic Layer 4: Gray sandy/brittle material Layer 5: Black mastic	NAD NAD NAD NAD 2% Chrysotile	SAT
40573.247-142	6" tile pattern sheet vinyl flooring Sheet vinyl flooring Beige textured vinyl floor tile Black mastic	11D kitchen below	Layer 1: Off-white sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Beige tile Layer 4: Black mastic	NAD NAD 2% Chrysotile 2% Chrysotile	SAT
40573.247-143	Black mastic Concrete	11G restroom below grey wood pattern sheet vinyl flooring	Layer 1: Black mastic Layer 2: Gray sandy/brittle material	3% Chrysotile NAD	SAT
40573.247-144	Yellow mastic Sheet vinyl flooring Sheet vinyl flooring Black mastic	11G entry closet below grey wood pattern sheet vinyl flooring	Layer 1: Yellow mastic Layer 2: Gray sheet vinyl Layer 3: Gray fibrous material with mastic Layer 4: Beige sheet vinyl Layer 5: Gray fibrous material with mastic Layer 6: Black mastic	NAD NAD NAD NAD NAD 2% Chrysotile	SAT
40573.247-145	12" tile pattern sheet vinyl flooring Sheet vinyl flooring Trace black mastic	12B restroom	Layer 1: Gray sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Gray sheet vinyl Layer 4: Gray fibrous material with mastic Layer 5: Black mastic	NAD NAD NAD NAD 2% Chrysotile	SAT
40573.247-146	Grey wood pattern sheet vinyl flooring Sheet vinyl flooring	12B hall	Layer 1: White mastic Layer 2: Brown sheet vinyl	NAD NAD	SAT

<u>PBS Sample #</u>	<u>Material Type</u>	<u>Sample Location</u>	<u>Lab Description</u>	<u>Lab Result</u>	<u>Lab</u>
40573.247-147	Black mastic		Layer 3: Gray fibrous material with mastic Layer 4: Black mastic	NAD 2% Chrysotile	
	12" tile pattern sheet vinyl flooring Yellow mastic	13A restroom	Layer 1: White soft/elastic material Layer 2: White sheet vinyl Layer 3: Gray fibrous material with mastic Layer 4: Black mastic	NAD NAD NAD 2% Chrysotile	SAT
	Black mastic				
	4" tile pattern sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring	13A kitchen	Layer 1: White sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Beige sheet vinyl Layer 4: Gray fibrous material with mastic Layer 5: Beige tile Layer 6: Black mastic	NAD NAD NAD NAD NAD 2% Chrysotile	SAT
40573.247-148	Vinyl floor tile Black mastic				
	Yellow mastic				
	Sheet vinyl flooring Black mastic	13G restroom below wood pattern sheet vinyl flooring	Layer 1: Yellow mastic Layer 2: Beige sheet vinyl Layer 3: Gray fibrous material with mastic Layer 4: Black/yellow mastic	NAD NAD NAD 2% Chrysotile	SAT
	White leveling compound				
40573.247-149	Yellow mastic				
	Vinyl floor tile				
	Black mastic				
	Black mastic	13G hall closet below wood pattern sheet vinyl flooring	Layer 1: Yellow mastic Layer 2: Beige tile Layer 3: Black mastic	NAD 2% Chrysotile 2% Chrysotile	SAT
40573.247-150	Sheet vinyl flooring				
	Black mastic				
	Black mastic	13G entry below wood pattern sheet vinyl flooring	Layer 1: Beige sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Black mastic	NAD NAD 2% Chrysotile	SAT
	Black mastic				
40573.247-151	Sheet vinyl flooring				
	Black mastic				
	Black mastic	14E below wood pattern sheet	Layer 1: Cream sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Gray sandy/brittle material Layer 4: Black mastic	NAD NAD NAD 2% Chrysotile	SAT
	Black mastic				
40573.247-152	Sheet vinyl flooring				
	Cream mastic				
	Gray leveling compound				
	Black mastic				
40573.247-153	Third layer sheet vinyl flooring	14C restroom below two layers grey wood pattern sheet vinyl flooring	Layer 1: Clear mastic Layer 2: Beige sheet vinyl Layer 3: Gray fibrous material with mastic Layer 4: Gray sandy/brittle material Layer 5: Black mastic	NAD NAD NAD NAD 2% Chrysotile	SAT
	Black mastic				
	Black mastic				
	Black mastic				

Kirkland Heights Apartments 25 Buildings
King County Housing Authority

PBS Engineering + Environmental
PBS Project #40573.247

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40573.247-154	Gray wood pattern sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring Black mastic	14C kitchen	Layer 1: Gray sheet vinyl Layer 2: Cream mastic Layer 3: Brown sheet vinyl Layer 4: Clear mastic Layer 5: Brown sheet vinyl Layer 6: Clear mastic Layer 7: Gray sandy/brittle material Layer 8: Black mastic	NAD NAD NAD NAD NAD NAD 2% Chrysotile	SAT
40573.247-155	12" tile pattern sheet vinyl flooring Residual black mastic	16C restroom	Layer 1: Gray fibrous material with mastic Layer 2: Gray sandy/brittle material Layer 3: Black mastic	NAD NAD 2% Chrysotile	SAT
40573.247-156	Black mastic	16C hall below wood pattern sheet vinyl flooring	Layer 1: Black mastic	2% Chrysotile	SAT
40573.247-157	6" tile pattern sheet vinyl flooring Black mastic	16H restroom	Layer 1: Gray sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Black mastic	NAD NAD 2% Chrysotile	SAT
40573.247-158	Cream mastic Gray leveling compound Sheet vinyl flooring Black mastic Concrete	16H kitchen below 6" tile pattern sheet vinyl flooring	Layer 1: Cream mastic Layer 2: Yellow sheet vinyl Layer 3: Gray fibrous material with mastic Layer 4: Black mastic Layer 5: Gray sandy/brittle material	NAD NAD NAD 3% Chrysotile NAD	SAT
40573.247-159	Second layer sheet vinyl flooring Black mastic	18A below wood pattern sheet vinyl flooring	Layer 1: Green mastic Layer 2: Off-white sheet vinyl Layer 3: Gray fibrous material with mastic Layer 4: Black mastic	NAD NAD NAD 3% Chrysotile	SAT
40573.247-160	Second layer sheet vinyl flooring Black mastic	18A hall below wood pattern sheet vinyl flooring	Layer 1: Gray sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Black mastic	NAD NAD 3% Chrysotile	SAT
40573.247-161	12" tile pattern sheet vinyl flooring Sheet vinyl flooring	18F kitchen	Layer 1: Yellow sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Yellow sheet vinyl Layer 4: Gray fibrous material with mastic	NAD NAD NAD NAD	SAT

<u>PBS Sample #</u>	<u>Material Type</u>	<u>Sample Location</u>	<u>Lab Description</u>	<u>Lab Result</u>	<u>Lab</u>
40573.247-162	Black mastic		Layer 5: Black mastic	2% Chrysotile	SAT
	Yellow mastic	18F restroom below 12" tile pattern sheet vinyl flooring	Layer 1: Yellow mastic		
	Sheet vinyl flooring		Layer 2: Yellow sheet vinyl		
	Sheet vinyl flooring		Layer 3: Yellow mastic		
	Black mastic		Layer 4: Yellow sheet vinyl		
40573.247-163	Green mastic	12E restroom below wood pattern sheet vinyl flooring	Layer 5: Gray fibrous material with mastic	2% Chrysotile	SAT
	Sheet vinyl flooring		Layer 5: Black mastic		
	White leveling compound		Layer 1: Green mastic		
	Black mastic		Layer 2: Yellow sheet vinyl		
	Black mastic		Layer 3: Gray fibrous material with mastic		
40573.247-164	Green mastic	12E kitchen below wood pattern sheet vinyl flooring	Layer 4: White brittle material	2% Chrysotile	SAT
	Sheet vinyl flooring		Layer 5: Black mastic		
	Yellow mastic		Layer 1: Green mastic		
	Black mastic		Layer 2: Gray sheet vinyl		
	Black mastic		Layer 3: Gray fibrous material with mastic		
40573.247-165	Second layer sheet vinyl	20B hall below 12" tile pattern sheet vinyl flooring	Layer 4: White brittle material	2% Chrysotile	SAT
	Yellow mastic		Layer 5: Black mastic		
	Black mastic		Layer 1: Gray sheet vinyl		
	Gray leveling compound		Layer 2: Gray fibrous material with mastic		
	Black mastic		Layer 3: Yellow/black mastic		
40573.247-166	Second layer pebble pattern sheet vinyl flooring	21D kitchen below 6" tile pattern sheet vinyl flooring	Layer 4: Gray sandy/brittle material	2% Chrysotile	SAT
	Black mastic		Layer 1: White sheet vinyl		
	6" tile pattern sheet vinyl flooring		Layer 2: Gray fibrous material with mastic		
	backing		Layer 3: Yellow/black mastic		
	Yellow mastic		Layer 4: Gray sandy/brittle material		
40573.247-167	Sheet vinyl flooring	21D restroom	Layer 1: White sheet vinyl	2% Chrysotile	SAT
	Black mastic		Layer 2: Gray fibrous material with mastic		
	Yellow mastic		Layer 3: Yellow/black mastic		
	Black mastic		Layer 4: Gray sandy/brittle material		
	Black mastic		Layer 5: Black mastic		
40573.247-168	Second layer pebble pattern sheet vinyl flooring	22A restroom below 12" tile pattern sheet vinyl flooring	Layer 1: Yellow mastic	NAD	SAT
	backing		Layer 2: Beige sheet vinyl		
	Yellow mastic		Layer 3: Gray fibrous material with mastic		
	Black mastic				
	Black mastic				

<u>PBS Sample #</u>	<u>Material Type</u>	<u>Sample Location</u>	<u>Lab Description</u>	<u>Lab Result</u>	<u>Lab</u>
40573.247-169	Black mastic		Layer 4: Black mastic	2% Chrysotile	SAT
	Second layer sheet vinyl flooring	22A kitchen below 12" tile pattern sheet vinyl flooring	Layer 1: Yellow mastic Layer 2: White sheet vinyl Layer 3: Gray fibrous material with mastic Layer 4: Black mastic		
	Black mastic				
	Sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring Black mastic	22G restroom	Layer 1: White sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Gray brittle material Layer 4: Brown sheet vinyl Layer 5: Gray fibrous material with black mastic		
40573.247-170				50% Chrysotile	
40573.247-171	Wood pattern sheet vinyl flooring Gray leveling compound	22G living below carpet	Layer 1: Brown sheet vinyl Layer 2: Green mastic Layer 3: Gray brittle material Layer 4: Black mastic	2% Chrysotile	SAT
	12" tile pattern sheet vinyl flooring	24A restroom	Layer 1: Gray fibrous material with yellow mastic Layer 2: Gray brittle material Layer 3: Black mastic		
	Black mastic				
	Second layer sheet vinyl flooring Black mastic	24A kitchen below wood pattern sheet vinyl flooring	Layer 1: Beige sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Black mastic		
40573.247-172				2% Chrysotile	
40573.247-173	Black mastic		Layer 1: Black mastic	2% Chrysotile	SAT
	Second layer sheet vinyl flooring Black mastic	25D restroom below 12" tile pattern sheet vinyl flooring	Layer 1: Beige sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Black mastic		
	Black mastic				
	Beige sheet vinyl flooring Cream mastic	25D living below carpet	Layer 1: Beige sheet vinyl Layer 2: Gray fibrous material with cream mastic		
40573.247-174				2% Chrysotile	
40573.247-175	Clear mastic Sheet vinyl flooring Gray leveling compound Black mastic	25F restroom	Layer 1: Clear mastic Layer 2: Gray fibrous material with mastic Layer 3: White brittle material Layer 4: Black mastic	2% Chrysotile	SAT

<u>PBS Sample #</u>	<u>Material Type</u>	<u>Sample Location</u>	<u>Lab Description</u>	<u>Lab Result</u>	<u>Lab</u>
	White leveling compound				
40573.247-177	Sheet vinyl flooring backing Black mastic White leveling compound	25F living under carpet	Layer 1: Beige sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: White brittle material Layer 4: Black mastic	NAD NAD NAD 2% Chrysotile	SAT
40573.247-178	Black vapor barrier	Laundry building below siding	Layer 1: Black asphaltic fibrous material	NAD	SAT
40573.247-179	Black vapor barrier	Building 1 below siding	Layer 1: Black asphaltic fibrous material	NAD	SAT
40573.247-180	Black vapor barrier	Building 7 below siding	Layer 1: Black asphaltic fibrous material	NAD	SAT
40573.247-181	Black vapor barrier	Building 13 below siding	Layer 1: Black asphaltic fibrous material	NAD	SAT
40573.247-182	Fiber board soffit	Building 1	Layer 1: Brown fibrous material with paint	NAD	SAT
40573.247-183	Fiber board soffit	Building 5	Layer 1: Brown fibrous material with paint	NAD	SAT
40573.247-184	Fiber board soffit	Building 9	Layer 1: Brown fibrous material with paint	NAD	SAT
40573.247-185	White doorframe caulk	Maintenance shed	Layer 1: White soft/elastic material	NAD	SAT
40573.247-186	White sealant	Building 5 roof vent	Layer 1: White soft/elastic material	NAD	SAT
40573.247-187	White sealant	Building 13 square roof vent	Layer 1: White soft/elastic material	NAD	SAT
40573.247-188	Black asphaltic material	Building 13 inside vent pipe	Layer 1: Black asphaltic material	NAD	SAT
40573.247-189	White caulk	Building 20 square roof vent	Layer 1: White soft/elastic material	NAD	SAT
40573.247-190	Membrane roof core	Building 5	Layer 1: White soft/elastic material with woven fibrous material Layer 2: Clear mastic Layer 3: White powdery material with fibrous material Layer 4: White chalky material with paper Layer 5: White foamy material	NAD NAD NAD NAD NAD	SAT

<u>PBS Sample #</u>	<u>Material Type</u>	<u>Sample Location</u>	<u>Lab Description</u>	<u>Lab Result</u>	<u>Lab</u>
40573.247-191	Membrane roof core	Building 11	Layer 1: White soft/elastic material with woven fibrous material Layer 2: Clear mastic Layer 3: White powdery material with fibrous material Layer 4: White chalky material with paper Layer 5: White foamy material	NAD NAD NAD NAD NAD	SAT
40573.247-192	Membrane roof core	Building 13	Layer 1: White soft/elastic material with woven fibrous material Layer 2: Clear mastic Layer 3: White powdery material with fibrous material Layer 4: White chalky material with paper Layer 5: White foamy material	NAD NAD NAD NAD NAD	SAT
40573.247-193	Membrane roof core	Building 20	Layer 1: White soft/elastic material with woven fibrous material Layer 2: Clear mastic Layer 3: White powdery material with fibrous material Layer 4: White chalky material with paper Layer 5: White foamy material	NAD NAD NAD NAD NAD	SAT
40573.247-194	Membrane roof core	Building 23	Layer 1: White soft/elastic material with woven fibrous material Layer 2: Clear mastic Layer 3: White powdery material with fibrous material Layer 4: White chalky material with paper Layer 5: White foamy material	NAD NAD NAD NAD NAD	SAT
40573.247-195	Asphaltic roof	Building 24	Layer 1: Black asphaltic material Layer 2: Black asphaltic material with fibrous material Layer 3: Black asphaltic material Layer 4: Black asphaltic material with fibrous material Layer 5: Black asphaltic material	NAD NAD NAD NAD NAD	SAT

**Kirkland Heights Apartments 25 Buildings
King County Housing Authority**

**PBS Engineering + Environmental
PBS Project #40573.247**

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>
40573.247-196	Wood pattern sheet vinyl flooring Tan mastic Gray leveling compound	1B restroom	Layer 1: Brown sheet vinyl Layer 2: Black/tan mastic Layer 3: Gray sandy/brittle material	NAD 3% Chrysotile NAD	SAT
40573.247-197	Second layer tan mastic Sheet vinyl flooring	1B kitchen below layer of wood pattern sheet vinyl flooring	Layer 1: Beige sheet vinyl Layer 2: Gray fibrous material with tan mastic	NAD NAD	SAT
40573.247-198	Wood pattern sheet vinyl flooring Sheet vinyl flooring Black mastic White leveling compound	1B hall	Layer 1: Brown sheet vinyl Layer 2: Tan mastic Layer 3: Beige sheet vinyl Layer 4: Gray fibrous material Layer 5: Black mastic Layer 6: White sandy/brittle material	NAD NAD NAD NAD 2% Chrysotile NAD	SAT
40573.247-199	12" Tile pattern sheet vinyl flooring Gray leveling compound Sheet vinyl flooring Sheet vinyl flooring Tan mastic	1C restroom	Layer 1: Beige tile Layer 2: Tan mastic Layer 3: Brown sheet vinyl Layer 4: Gray fibrous material with mastic Layer 5: Gray sheet vinyl Layer 6: Gray fibrous material with mastic Layer 7: White sheet vinyl Layer 8: Gray fibrous material with tan mastic Layer 9: Gray sandy/brittle material	NAD NAD NAD NAD NAD NAD NAD NAD NAD	SAT
40573.247-200	Second layer gray sheet vinyl flooring Sheet vinyl flooring Cream mastic Brown mastic on concrete Black mastic	1C hall closet below 12" tile pattern sheet vinyl flooring	Layer 1: Clear mastic Layer 2: Gray brittle material Layer 3: White sheet vinyl Layer 4: Gray fibrous material with cream mastic Layer 5: Gray brittle material Layer 6: Black/brown mastic	NAD NAD NAD NAD 2% Chrysotile	SAT
40573.247-201	Gray sheet vinyl flooring Sheet vinyl flooring Cream mastic Black mastic Gray leveling compound	1C hall	Layer 1: Gray sheet vinyl Layer 2: Gray fibrous material Layer 3: Cream/black mastic Layer 4: Gray brittle material	NAD NAD 2% Chrysotile NAD	SAT
40573.247-202	12" Tile pattern sheet vinyl flooring	1D hall closet	Layer 1: Gray sheet vinyl Layer 2: Gray fibrous material	NAD NAD	SAT

<u>PBS Sample #</u>	<u>Material Type</u>	<u>Sample Location</u>	<u>Lab Description</u>	<u>Lab Result</u>	<u>Lab</u>
40573.247-203	Black mastic	1E restroom	Layer 3: Brown/black mastic	2% Chrysotile	SAT
	Brown mastic on concrete		Layer 4: Gray sandy/brittle material		
	12" Tile pattern sheet vinyl flooring		Layer 1: Beige sheet vinyl	NAD	
	Sheet vinyl flooring		Layer 2: Gray fibrous material with mastic	NAD	
	Sheet vinyl flooring		Layer 3: Gray sheet vinyl	NAD	
40573.247-204	Vinyl floor tile	1E kitchen	Layer 4: Gray fibrous material	2% Chrysotile	SAT
	Cream mastic		Layer 5: Black/cream mastic		
	Black mastic		Layer 6: Gray sandy/brittle material	NAD	
	12" Tile pattern sheet vinyl flooring		Layer 1: Beige sheet vinyl	NAD	
	Tan mastic		Layer 2: Gray fibrous material with mastic	NAD	
40573.247-205	Sheet vinyl flooring	1F restroom	Layer 3: Gray sheet vinyl	2% Chrysotile	SAT
	Sheet vinyl flooring		Layer 4: Gray fibrous material		
	Sheet vinyl flooring		Layer 5: Black/cream mastic	NAD	
	Tan mastic		Layer 6: Gray sandy/brittle material	NAD	
	Black mastic		Layer 1: Gray sheet vinyl	NAD	
40573.247-206	12" Pattern sheet vinyl flooring	1F kitchen	Layer 2: Gray fibrous material with mastic	2% Chrysotile	SAT
	Sheet vinyl flooring		Layer 3: Beige sheet vinyl		
	Sheet vinyl flooring		Layer 4: Gray fibrous material	NAD	
	Tan mastic		Layer 5: Black/tan mastic	NAD	
	Black mastic		Layer 6: White sandy/brittle material	NAD	
40573.247-207	Black mastic	1H kitchen	Layer 1: Gray sheet vinyl	2% Chrysotile	SAT
	Yellow mastic		Layer 2: Gray fibrous material with mastic		
	Wood pattern sheet vinyl flooring		Layer 3: Off-white sheet vinyl	NAD	
	Sheet vinyl flooring		Layer 4: Gray fibrous material	NAD	
	Vinyl floor tile		Layer 5: Black/yellow mastic	NAD	
40573.247-208	Black mastic	1H restroom	Layer 1: Brown sheet vinyl	2% Chrysotile	SAT
	Sheet vinyl flooring		Layer 2: Yellow mastic		
	Vinyl floor tile		Layer 3: Gray sheet vinyl	NAD	
	Black mastic		Layer 4: Gray fibrous material with mastic	NAD	
	12" Pattern sheet vinyl flooring		Layer 5: Beige tile	NAD	
	Layer 6: Black mastic	2% Chrysotile			
40573.247-208	12" Pattern sheet vinyl flooring	1H restroom	Layer 1: Brown sheet vinyl	NAD	SAT
			Layer 2: Gray fibrous material with mastic	NAD	

<u>PBS Sample #</u>	<u>Material Type</u>	<u>Sample Location</u>	<u>Lab Description</u>	<u>Lab Result</u>	<u>Lab</u>
40573.247-209	Sheet vinyl flooring	6" Tile pattern sheet vinyl flooring 2A restroom	Layer 3: Beige sheet vinyl	NAD	SAT
	Vinyl floor tile		Layer 4: Gray fibrous material with mastic	NAD	
	Black mastic		Layer 5: Beige tile	NAD	
			Layer 6: Black mastic	2% Chrysotile	
40573.247-210	Sheet vinyl flooring	Wood pattern sheet vinyl Green mastic Sheet vinyl flooring Yellow mastic Black mastic 2B restroom	Layer 1: White sheet vinyl	NAD	SAT
	Yellow mastic		Layer 2: Gray fibrous material with mastic	NAD	
	vinyl floor tile		Layer 3: Beige sheet vinyl	NAD	
	Black mastic		Layer 4: Gray fibrous material with mastic	NAD	
			Layer 5: Beige tile	2% Chrysotile	
			Layer 6: Black/yellow mastic	3% Chrysotile	
40573.247-211	Wood pattern sheet vinyl	Wood pattern sheet vinyl Green mastic Sheet vinyl flooring Yellow mastic Black mastic 2B hall closet	Layer 1: Brown sheet vinyl	NAD	SAT
	Green mastic		Layer 2: Green mastic	NAD	
	Sheet vinyl flooring		Layer 3: Beige sheet vinyl	NAD	
	Yellow mastic		Layer 4: Gray fibrous material	NAD	
	Black mastic		Layer 5: Yellow/black mastic	2% Chrysotile	
40573.247-212	Gray wood pattern sheet vinyl flooring	Gray wood pattern sheet vinyl flooring Sheet vinyl flooring Black mastic 2B kitchen	Layer 1: Brown sheet vinyl	NAD	SAT
	Green mastic		Layer 2: Green mastic	NAD	
	Sheet vinyl flooring		Layer 3: Beige sheet vinyl	NAD	
	Yellow mastic		Layer 4: Gray fibrous material	NAD	
	Black mastic		Layer 5: Yellow/black mastic	2% Chrysotile	
40573.247-213	12" Tile pattern sheet vinyl	12" Tile pattern sheet vinyl Black mastic 2C kitchen	Layer 1: Brown sheet vinyl	NAD	SAT
	Black mastic		Layer 2: Black mastic	NAD	
			Layer 3: Gray sheet vinyl	NAD	
			Layer 4: Gray fibrous material	NAD	
			Layer 5: Black mastic	2% Chrysotile	
40573.247-214	6" Tile pattern sheet vinyl flooring	6" Tile pattern sheet vinyl flooring Cream mastic Black mastic 2D kitchen	Layer 1: Brown sheet vinyl	NAD	SAT
	Black mastic		Layer 2: Black mastic	2% Chrysotile	
40573.247-215	Gray wood pattern sheet vinyl flooring	Gray wood pattern sheet vinyl flooring Gray leveling compound on concrete 2E kitchen	Layer 1: Gray sheet vinyl	NAD	SAT
	Gray leveling compound on concrete		Layer 2: Black mastic	2% Chrysotile	

<u>PBS Sample #</u>	<u>Material Type</u>	<u>Sample Location</u>	<u>Lab Description</u>	<u>Lab Result</u>	<u>Lab</u>
40573.247-216	Wood pattern sheet vinyl flooring Black mastic Sheet vinyl flooring Sheet vinyl flooring on wood	2G kitchen	Layer 3: Gray sandy/brittle material Layer 1: Brown sheet vinyl Layer 2: Tan mastic Layer 3: Gray sheet vinyl Layer 4: Gray fibrous material with mastic Layer 5: White sheet vinyl Layer 6: Gray fibrous material with mastic	NAD NAD NAD NAD NAD NAD	SAT
40573.247-217	Wood pattern sheet vinyl flooring Brown mastic Black mastic	2G hall closet	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material Layer 3: Brown/black mastic Layer 4: Gray sandy/brittle material	NAD NAD 2% Chrysotile NAD	SAT
40573.247-218	Wood pattern sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring Vinyl floor tile Black mastic	2G restroom	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Beige sheet vinyl Layer 4: Gray fibrous material with mastic Layer 5: Beige tile Layer 6: Black mastic	NAD NAD NAD NAD NAD 2% Chrysotile	SAT
40573.247-219	Wood pattern sheet vinyl flooring Sheet vinyl flooring Brown mastic Black mastic	3B restroom	Layer 1: Brown sheet vinyl Layer 2: Yellow mastic Layer 3: Gray sheet vinyl Layer 4: Black/brown mastic Layer 5: Gray sandy/brittle material	NAD NAD NAD 2% Chrysotile NAD	SAT
40573.247-220	Wood pattern sheet vinyl flooring Yellow mastic Gray leveling compound	3C living room	Layer 1: Brown sheet vinyl Layer 2: Yellow mastic Layer 3: Gray sandy/brittle material	NAD NAD NAD	SAT
40573.247-221	Second layer sheet vinyl flooring Cream mastic Black mastic	3C hall closet below wood pattern sheet vinyl flooring	Layer 1: Off-white sheet vinyl Layer 2: Gray fibrous material Layer 3: Black/cream mastic	NAD NAD 2% Chrysotile	SAT
40573.247-222	Black mastic Tan mastic on concrete	3D bedroom below carpet	Layer 1: Black/tan mastic Layer 2: Gray sandy/brittle material	2% Chrysotile NAD	SAT
40573.247-223	12" Tile pattern sheet vinyl flooring	3D hall	Layer 1: Gray sheet vinyl	NAD	SAT

<u>PBS Sample #</u>	<u>Material Type</u>	<u>Sample Location</u>	<u>Lab Description</u>	<u>Lab Result</u>	<u>Lab</u>
	Tan mastic Concrete		Layer 2: Tan/black mastic Layer 3: Gray sandy/brittle material	2% Chrysotile NAD	
40573.247-224	Second layer sheet vinyl flooring Vinyl floor tile Black mastic Tan mastic	3E kitchen below 12" tile pattern sheet vinyl flooring	Layer 1: Beige sheet vinyl Layer 2: Gray fibrous material Layer 3: Tan/black mastic Layer 4: White brittle material	NAD NAD 2% Chrysotile NAD	SAT
40573.247-225	Second layer sheet vinyl flooring Tan mastic Black mastic	3E restroom below 12" tile pattern sheet vinyl flooring	Layer 1: Beige sheet vinyl Layer 2: Gray fibrous material Layer 3: Tan/black mastic	NAD NAD 2% Chrysotile	SAT
40573.247-226	6" Tile pattern sheet vinyl flooring Tan mastic Black mastic	3F restroom	Layer 1: Gray sheet vinyl Layer 2: Gray fibrous material Layer 3: Tan/black mastic Layer 4: Gray sandy/brittle material	NAD NAD 2% Chrysotile NAD	SAT
40573.247-227	12" Tile pattern sheet vinyl flooring Cream mastic Yellow mastic Black mastic	3H restroom	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material Layer 3: Cream/yellow/black mastic	NAD NAD 2% Chrysotile	SAT
40573.247-228	Gray wood pattern sheet vinyl flooring Green mastic Sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring Black mastic	4A restroom	Layer 1: Brown sheet vinyl Layer 2: Green mastic Layer 3: Gray sheet vinyl Layer 4: Gray fibrous material with mastic Layer 5: Beige sheet vinyl Layer 6: Gray fibrous material with mastic Layer 7: Off-white sheet vinyl Layer 8: Gray fibrous material Layer 9: Black mastic	NAD NAD NAD NAD NAD NAD NAD 2% Chrysotile	SAT
40573.247-229	Gray wood pattern sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring	4A hallway	Layer 1: Brown sheet vinyl Layer 2: Green mastic Layer 3: Gray sheet vinyl Layer 4: Gray fibrous material with mastic Layer 5: Beige sheet vinyl Layer 6: Gray fibrous material with mastic Layer 7: Off-white sheet vinyl Layer 8: Gray fibrous material	NAD NAD NAD NAD NAD NAD NAD NAD	SAT

<u>PBS Sample #</u>	<u>Material Type</u>	<u>Sample Location</u>	<u>Lab Description</u>	<u>Lab Result</u>	<u>Lab</u>
40573.247-230	Black mastic		Layer 9: Black mastic	2% Chrysotile	SAT
	Second layer green mastic	4A kitchen below gray wood pattern sheet vinyl flooring	Layer 1: Green mastic		
	Sheet vinyl flooring		Layer 2: Brown sheet vinyl		
	Sheet vinyl flooring		Layer 3: Gray fibrous material with mastic		
40573.247-231	Sheet vinyl flooring	4C hallway below carpet	Layer 4: Beige sheet vinyl	2% Chrysotile	SAT
	Sheet vinyl flooring		Layer 5: Gray fibrous material		
	Black mastic		Layer 6: Black mastic		
	Vinyl floor tile		Layer 1: Beige tile		
40573.247-232	Black mastic	4C kitchen	Layer 2: Black mastic	2% Chrysotile 3% Chrysotile	SAT
	6" Tile pattern sheet vinyl flooring		Layer 1: Beige tile		
	Sheet vinyl flooring		Layer 2: Black mastic		
	Vinyl floor tile		Layer 3: Beige sheet vinyl		
40573.247-233	Black mastic	4C restroom	Layer 4: Gray fibrous material with mastic	2% Chrysotile 3% Chrysotile	SAT
	12" Tile pattern sheet vinyl flooring		Layer 1: Gray sheet vinyl		
	Black mastic		Layer 2: Tan/black mastic		
	Tan mastic on concrete		Layer 3: Gray sandy/brittle material		
40573.247-234	1'x1' White tile pattern sheet vinyl flooring	4D restroom	Layer 1: White sheet vinyl	2% Chrysotile	SAT
	Sheet vinyl flooring		Layer 2: Gray fibrous material		
	Black mastic		Layer 3: Black/cream mastic		
	6" Tile pattern sheet vinyl flooring		Layer 1: White sheet vinyl		
40573.247-235	Sheet vinyl flooring	4D kitchen	Layer 2: Gray fibrous material	2% Chrysotile	SAT
	Cream mastic		Layer 3: Black/cream mastic		
	Black mastic		Layer 1: Yellow mastic		
	Yellow mastic		Layer 2: White sheet vinyl		
40573.247-236	Sheet vinyl flooring	4D hall closet below carpet	Layer 3: Gray fibrous material	2% Chrysotile	SAT
	Black mastic		Layer 4: Black/cream mastic		
	Black and brown mastic		Layer 1: Black/brown mastic		
	Wood pattern sheet vinyl flooring		Layer 1: Brown sheet vinyl		
40573.247-238	Black mastic	4F hall closet	Layer 2: Black mastic	2% Chrysotile	SAT

<u>PBS Sample #</u>	<u>Material Type</u>	<u>Sample Location</u>	<u>Lab Description</u>	<u>Lab Result</u>	<u>Lab</u>
	Gray leveling compound		Layer 3: Gray sandy/brittle material	NAD	
40573.247-239	Gray wood pattern sheet vinyl flooring Black mastic	4G kitchen	Layer 1: Gray sheet vinyl Layer 2: Black mastic	NAD 2% Chrysotile	SAT
40573.247-240	Gray wood pattern sheet vinyl flooring Sheet vinyl flooring Vinyl floor tile Black mastic	4G hallway	Layer 1: Gray sheet vinyl Layer 2: Clear mastic Layer 3: Gray sheet vinyl Layer 4: Black mastic	NAD NAD NAD 2% Chrysotile	SAT
40573.247-241	Gray wood pattern sheet vinyl flooring Green mastic Gray/white leveling compound	4H living room	Layer 1: Gray sheet vinyl Layer 2: Green mastic Layer 3: Gray/white sandy/brittle material	NAD NAD NAD	SAT
40573.247-242	Gray wood pattern sheet vinyl flooring Sheet vinyl flooring Black mastic White leveling compound	4H hallway	Layer 1: Gray sheet vinyl Layer 2: Green mastic Layer 3: Gray sheet vinyl Layer 4: Black mastic Layer 5: White brittle material	NAD NAD NAD 2% Chrysotile NAD	SAT
40573.247-243	12" Tile pattern sheet vinyl flooring Tan and black mastic	5B hallway	Layer 1: Gray sheet vinyl Layer 2: Black/tan mastic	NAD 2% Chrysotile	SAT
40573.247-244	12" Tile pattern sheet vinyl flooring Sheet vinyl flooring Vinyl floor tile Black mastic	5B restroom	Layer 1: Beige sheet vinyl Layer 2: Clear mastic Layer 3: Beige sheet vinyl Layer 4: Gray fibrous material with mastic Layer 5: Beige tile Layer 6: Black mastic	NAD NAD NAD NAD 2% Chrysotile 3% Chrysotile	SAT
40573.247-245	12" Tile pattern sheet vinyl flooring Sheet vinyl flooring Black mastic	5D hallway	Layer 1: Gray sheet vinyl Layer 2: Yellow mastic Layer 3: Beige sheet vinyl Layer 4: Gray fibrous material Layer 6: Black mastic	NAD NAD NAD NAD 3% Chrysotile	SAT
40573.247-246	Vinyl floor tile Black mastic	5F hallway below carpet	Layer 1: Beige tile Layer 2: Black mastic	2% Chrysotile 3% Chrysotile	SAT

Kirkland Heights Apartments 25 Buildings
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PLM ASBESTOS SAMPLE INVENTORY

PBS Engineering + Environmental
PBS Project #40573.247

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40573.247-247	6" Tile pattern sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring Tan mastic Sheet vinyl flooring Black mastic	5F restroom	Layer 1: Beige sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: White sheet vinyl Layer 4: Gray fibrous material with mastic Layer 5: Beige sheet vinyl Layer 6: Gray fibrous material Layer 7: Black/tan mastic	NAD NAD NAD NAD NAD NAD 3% Chrysotile	SAT
40573.247-248	6" Tile pattern sheet vinyl flooring Black mastic	5G restroom	Layer 1: Beige sheet vinyl Layer 2: Gray fibrous material Layer 3: Black/tan mastic	NAD NAD 3% Chrysotile	SAT
40573.247-249	12" Tile pattern sheet vinyl flooring Sheet vinyl flooring Black mastic	5G kitchen	Layer 1: Gray sheet vinyl Layer 2: Green mastic Layer 3: Gray sheet vinyl Layer 4: Gray fibrous material Layer 5: Black mastic	NAD NAD NAD NAD 2% Chrysotile	SAT
40573.247-250	Vinyl floor tile Vinyl floor tile	5G hallway below carpet	Layer 1: Beige tile Layer 2: Tan mastic	NAD NAD	SAT
40573.247-251	Second layer sheet vinyl flooring Black mastic	5H hall closet below 12" tile pattern sheet vinyl flooring	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material Layer 3: Black mastic Layer 4: Gray sandy/brittle material	NAD NAD 2% Chrysotile NAD	SAT
40573.247-252	12" Tile pattern sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring Black mastic	5H restroom	Layer 1: Gray sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Beige sheet vinyl Layer 4: Gray fibrous material with mastic Layer 5: White sheet vinyl Layer 6: Gray fibrous material Layer 7: Black mastic	NAD NAD NAD NAD NAD NAD 2% Chrysotile	SAT
40573.247-253	12" Tile pattern sheet vinyl flooring Tan mastic Black mastic Gray leveling compound	5H hallway	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material Layer 3: Black/tan mastic Layer 4: Gray sandy/brittle material	NAD NAD 2% Chrysotile NAD	SAT

**Kirkland Heights Apartments 25 Buildings
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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>
40573.247-254	Second layer sheet vinyl flooring Tan mastic Black mastic	6A hall below gray wood pattern sheet vinyl flooring	Layer 1: Brown sheet vinyl Layer 2: Tan/black mastic	NAD NAD	SAT
40573.247-255	Wood pattern sheet vinyl flooring Tan mastic Black mastic	6B restroom	Layer 1: Brown sheet vinyl Layer 2: Tan/black mastic	NAD NAD	SAT
40573.247-256	Second layer sheet vinyl flooring Sheet vinyl flooring Black mastic	6B hall below wood pattern sheet vinyl flooring	Layer 1: Beige sheet vinyl Layer 2: Gray fibrous material Layer 3: Black mastic	NAD NAD 2% Chrysotile	SAT
40573.247-257	Vinyl floor tile Black mastic	6C bedroom below carpet - tile debris	Layer 1: Beige tile Layer 2: Black mastic	2% Chrysotile 3% Chrysotile	SAT
40573.247-258	Black and brown mastic	6C bedroom below carpet	Layer 1: Black/brown mastic	3% Chrysotile	SAT
40573.247-259	Wood pattern sheet vinyl flooring Tan mastic Black mastic	6C kitchen on concrete	Layer 1: Brown sheet vinyl Layer 2: Tan/black mastic Layer 3: Gray sandy/brittle material	NAD 3% Chrysotile NAD	SAT
40573.247-260	12" Tile pattern sheet vinyl flooring Black mastic Tan mastic	6C restroom	Layer 1: Gray sheet vinyl Layer 2: Gray fibrous material Layer 3: Tan/black mastic	NAD NAD 3% Chrysotile	SAT
40573.247-261	12" Tile pattern sheet vinyl flooring Sheet vinyl flooring Vinyl floor tile Black mastic	6E restroom	Layer 1: Beige sheet vinyl Layer 2: Clear mastic Layer 3: Off-white sheet vinyl Layer 4: Gray fibrous material Layer 5: Black mastic	NAD NAD NAD NAD 3% Chrysotile	SAT
40573.247-262	Gray wood pattern sheet vinyl flooring Brown mastic Black mastic	6E hall closet on concrete	Layer 1: Gray sheet vinyl Layer 2: Brown/black mastic Layer 3: Gray sandy/brittle material	NAD 2% Chrysotile NAD	SAT
40573.247-263	Second layer sheet vinyl flooring Sheet vinyl flooring Tan mastic Black mastic	6E kitchen below wood pattern sheet vinyl flooring	Layer 1: Off-white sheet vinyl Layer 2: Gray fibrous material Layer 3: Tan/black mastic	NAD NAD 3% Chrysotile	SAT

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40573.247-264	Wood pattern sheet vinyl flooring Green mastic	6F living room on concrete	Layer 1: Brown sheet vinyl Layer 2: Green mastic	NAD NAD	SAT
40573.247-265	Sheet vinyl flooring Tan mastic Gray/white leveling compound	6F bedroom below carpet	Layer 1: Brown sheet vinyl Layer 2: Tan mastic Layer 3: Gray/white sandy/brittle material	NAD NAD NAD	SAT
40573.247-266	Second layer green mastic Sheet vinyl flooring Tan mastic Black mastic	6F hall below wood pattern sheet vinyl flooring	Layer 1: Green mastic Layer 2: White sheet vinyl Layer 3: Gray fibrous material Layer 4: Tan/black mastic	NAD NAD NAD 3% Chrysotile	SAT
40573.247-267	Second layer sheet vinyl flooring Vinyl floor tile Black mastic	6H hall below wood pattern sheet vinyl flooring	Layer 1: Off-white sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Beige tile Layer 4: Black mastic	NAD NAD NAD 3% Chrysotile	SAT
40573.247-268	Second layer sheet vinyl flooring Sheet vinyl flooring Tan and black mastic	6H kitchen below wood pattern sheet vinyl flooring	Layer 1: Beige sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Beige sheet vinyl Layer 4: Gray fibrous material Layer 5: Tan/black mastic	NAD NAD NAD NAD 3% Chrysotile	SAT
40573.247-269	Wood pattern sheet vinyl flooring Vinyl floor tile Tan and black mastic	6H hall closet	Layer 1: Brown sheet vinyl Layer 2: Clear mastic Layer 3: Beige tile Layer 4: Black/tan mastic	NAD NAD NAD 3% Chrysotile	SAT
40573.247-270	Second layer sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring Cream mastic	6H restroom below wood pattern sheet vinyl flooring	Layer 1: Gray sheet vinyl Layer 2: Gray fibrous material with cream mastic Layer 3: White sheet vinyl Layer 4: Gray fibrous material with cream mastic Layer 5: Beige sheet vinyl Layer 6: Gray fibrous material with cream mastic	NAD NAD NAD NAD NAD NAD	SAT
40573.247-271	Gray wood pattern sheet vinyl	7B hall	Layer 1: Gray sheet vinyl	NAD	SAT

<u>PBS Sample #</u>	<u>Material Type</u>	<u>Sample Location</u>	<u>Lab Description</u>	<u>Lab Result</u>	<u>Lab</u>
	Black mastic		Layer 2: Black/green mastic	2% Chrysotile	
40573.247-272	Gray wood pattern sheet vinyl flooring Black mastic	7B kitchen	Layer 1: Gray sheet vinyl Layer 2: Black/green mastic	NAD 2% Chrysotile	SAT
40573.247-273	Wood pattern sheet vinyl flooring Gray leveling compound	7C restroom	Layer 1: Brown sheet vinyl Layer 2: Clear mastic Layer 3: Gray sandy/brittle material Layer 4: Beige sheet vinyl Layer 5: Gray fibrous material with mastic Layer 6: Black mastic	NAD NAD NAD NAD NAD 2% Chrysotile	SAT
40573.247-274	Black mastic				
	Wood pattern sheet vinyl flooring	7C hall closet	Layer 1: Brown sheet vinyl Layer 2: Clear mastic Layer 3: Beige tile Layer 4: Black mastic	NAD NAD 2% Chrysotile 3% Chrysotile	SAT
	Vinyl floor tile Black mastic				
40573.247-275	Second layer sheet vinyl flooring	7C kitchen below wood pattern sheet vinyl flooring	Layer 1: White sheet vinyl Layer 2: Gray fibrous material with cream mastic Layer 3: Black mastic	NAD NAD 3% Chrysotile	SAT
40573.247-276	12" Tile pattern sheet vinyl flooring Black mastic	7D kitchen	Layer 1: Brown sheet vinyl Layer 2: Black mastic	NAD 3% Chrysotile	SAT
40573.247-277	Second layer sheet vinyl flooring Tan mastic Sheet vinyl flooring Black mastic	7E hall closet below wood pattern sheet vinyl flooring	Layer 1: Gray sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Beige sheet vinyl Layer 4: Gray fibrous material with tan/black mastic	NAD NAD NAD 50% Chrysotile	SAT
40573.247-278	Wood pattern sheet vinyl flooring Sheet vinyl flooring Tan mastic on wood	7E kitchen	Layer 1: Brown sheet vinyl Layer 2: Tan mastic Layer 3: Gray sheet vinyl Layer 4: Gray fibrous material with mastic Layer 5: Brown wood block	NAD NAD NAD NAD NAD	SAT
40573.247-279	Second layer sheet vinyl flooring	7E hall below wood pattern sheet vinyl flooring	Layer 1: Brown sheet vinyl Layer 2: Tan mastic	NAD NAD	SAT

<u>PBS Sample #</u>	<u>Material Type</u>	<u>Sample Location</u>	<u>Lab Description</u>	<u>Lab Result</u>	<u>Lab</u>
40573.247-280	Tan mastic	7E restroom	Layer 3: Beige sheet vinyl	NAD	SAT
	Sheet vinyl flooring		Layer 4: Gray fibrous material with mastic	50% Chrysotile	
	12" Tile pattern sheet vinyl flooring		Layer 1: Brown sheet vinyl	NAD	
	Sheet vinyl flooring		Layer 2: Gray fibrous material with mastic	NAD	
	Sheet vinyl flooring		Layer 3: Beige sheet vinyl	NAD	
40573.247-281	Sheet vinyl flooring	7G restroom	Layer 4: Gray fibrous material with mastic	NAD	SAT
	Sheet vinyl flooring		Layer 5: Tan sheet vinyl	NAD	
	Black mastic		Layer 6: Gray fibrous material with mastic	NAD	
	12" Tile pattern sheet vinyl flooring		Layer 7: Black mastic	3% Chrysotile	
	Black mastic		Layer 1: Off-white sheet vinyl	NAD	
40573.247-282	Wood pattern sheet vinyl flooring	7G hall closet	Layer 2: Gray fibrous material with mastic	NAD	SAT
	Brown mastic		Layer 3: Brown sheet vinyl	NAD	
	Black mastic		Layer 4: Gray fibrous material with mastic	NAD	
	Black mastic		Layer 5: Black mastic	3% Chrysotile	
	Wood pattern sheet vinyl flooring		Layer 1: Brown sheet vinyl	NAD	
40573.247-283	6" Tile pattern sheet vinyl flooring	7H hall	Layer 2: Brown/black mastic	3% Chrysotile	SAT
	Black mastic		Layer 3: Gray sandy/brittle material	NAD	
	Black mastic		Layer 1: Gray sheet vinyl	NAD	
	Black mastic		Layer 2: Gray fibrous material with mastic	NAD	
	Black mastic		Layer 3: Black mastic	2% Chrysotile	
40573.247-284	12" Tile pattern sheet vinyl flooring	10A kitchen	Layer 1: Gray sheet vinyl	NAD	SAT
	Sheet vinyl flooring		Layer 2: Gray fibrous material with mastic	NAD	
	Vinyl floor tile		Layer 3: Beige sheet vinyl	NAD	
	Black mastic		Layer 4: Gray fibrous material with mastic	NAD	
	Black mastic		Layer 5: Beige tile	NAD	
40573.247-285	Second layer sheet vinyl flooring	10A hall below 12" tile pattern sheet vinyl flooring	Layer 6: Black mastic	3% Chrysotile	SAT
	Yellow and black mastic		Layer 1: Gray fibrous material	NAD	
	Wood pattern sheet vinyl flooring		Layer 2: Black/yellow mastic	3% Chrysotile	
	Sheet vinyl flooring		Layer 1: Brown sheet vinyl	NAD	
	Sheet vinyl flooring		Layer 2: Clear mastic	NAD	
40573.247-286	Sheet vinyl flooring	10C kitchen	Layer 3: White sheet vinyl	NAD	SAT
	Vinyl floor tile		Layer 4: Gray fibrous material with mastic	NAD	

<u>PBS Sample #</u>	<u>Material Type</u>	<u>Sample Location</u>	<u>Lab Description</u>	<u>Lab Result</u>	<u>Lab</u>
	Brown mastic		Layer 5: White sheet vinyl Layer 6: Grau fibrous material with mastic Layer 7: Beiqe tile Layer 8: Brown mastic	NAD NAD NAD NAD	
40573.247-287	Second layer vinyl floor tile Black mastic	10C hall below wood pattern sheet vinyl flooring	Layer 1: Beiqe tile Layer 2: Black mastic	2% Chrysotile 3% Chrysotile	SAT
40573.247-288	Wood pattern sheet vinyl flooring on concrete	10C living room	Layer 1: Brown sheet vinyl Layer 2: Clear mastic Layer 3: Grav sandy/brittle material	NAD NAD NAD	SAT
40573.247-289	Wood pattern sheet vinyl flooring Yellow and black mastic	10D hall closet	Layer 1: Brown sheet vinyl Layer 2: Black/yellow mastic	NAD 3% Chrysotile	SAT
40573.247-290	12" Tile pattern sheet vinyl flooring Black mastic	10F hall closet	Layer 1: Gray sheet vinyl Layer 2: Black mastic Layer 3: Gray sandy/brittle material	NAD 3% Chrysotile NAD	SAT
40573.247-291	12" Tile pattern sheet vinyl flooring Black mastic	10F kitchen	Layer 1: Gray sheet vinyl Layer 2: Black mastic Layer 3: Gray sandy/brittle material	NAD 3% Chrysotile NAD	SAT
40573.247-292	12" Tile pattern sheet vinyl flooring Tan mastic Black mastic	10G kitchen	Layer 1: Gray sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Black/tan mastic	NAD NAD 3% Chrysotile	SAT
40573.247-293	Wood pattern sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring Tan mastic	10H restroom	Layer 1: Brown sheet vinyl Layer 2: Clear mastic Layer 3: Gray sheet vinyl Layer 4: Gray fibrous material with mastic Layer 5: White sheet vinyl Layer 6: Gray fibrous material with mastic Layer 7: Black/tan mastic	NAD NAD NAD NAD NAD NAD 3% Chrysotile	SAT
40573.247-294	Wood pattern sheet vinyl flooring Sheet vinyl flooring Black mastic	10H kitchen	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Black mastic	NAD NAD 3% Chrysotile	SAT

<u>PBS Sample #</u>	<u>Material Type</u>	<u>Sample Location</u>	<u>Lab Description</u>	<u>Lab Result</u>	<u>Lab</u>
40573.247-295	Second layer sheet vinyl flooring Vinyl floor tile Black mastic	10H hall below wood pattern sheet vinyl flooring	Layer 1: Gray sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Beige tile Layer 4: Black mastic	NAD NAD 2% Chrysotile 3% Chrysotile	SAT
40573.247-296	Wood pattern sheet vinyl flooring Sheet vinyl flooring Black mastic on concrete	11B restroom	Layer 1: Brown sheet vinyl Layer 2: Green mastic Layer 3: Gray sheet vinyl Layer 4: Gray fibrous material with mastic Layer 5: Black mastic Layer 6: Gray sandy/brittle material	NAD NAD NAD NAD 3% Chrysotile NAD	SAT
40573.247-297	6" Tile pattern sheet vinyl flooring Vinyl floor tile Black mastic	11C hall	Layer 1: Gray sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Beige tile Layer 4: Black mastic	NAD NAD 2% Chrysotile 3% Chrysotile	SAT
40573.247-298	6" Tile pattern sheet vinyl flooring Sheet vinyl flooring Black mastic	11C restroom	Layer 1: Gray sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Beige sheet vinyl Layer 4: Gray fibrous material with mastic Layer 5: Black mastic	NAD NAD NAD NAD 2% Chrysotile	SAT
40573.247-299	6" Tile pattern sheet vinyl flooring Sheet vinyl flooring Vinyl floor tile Black mastic	11E restroom	Layer 1: Gray sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Off-white sheet vinyl Layer 4: Gray fibrous material with mastic Layer 5: Beige tile Layer 6: Black mastic	NAD NAD NAD NAD 2% Chrysotile 3% Chrysotile	SAT
40573.247-300	6" Tile pattern sheet vinyl flooring Black mastic	11E kitchen	Layer 1: Gray sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Black mastic	NAD NAD 3% Chrysotile	SAT
40573.247-301	Wood pattern sheet vinyl flooring Sheet vinyl flooring	11F restroom	Layer 1: Brown sheet vinyl Layer 2: Clear mastic Layer 3: Gray brittle material Layer 4: Beige sheet vinyl Layer 5: Tan mastic	NAD NAD NAD NAD NAD	SAT

<u>PBS Sample #</u>	<u>Material Type</u>	<u>Sample Location</u>	<u>Lab Description</u>	<u>Lab Result</u>	<u>Lab</u>
40573.247-302	Sheet vinyl flooring	11F kitchen	Layer 6: Beige sheet vinyl	NAD	SAT
	Black mastic		Layer 7: Gray fibrous material with mastic	NAD	
	Sheet vinyl flooring		Layer 8: Black mastic	3% Chrysotile	
			Layer 9: Gray sheet vinyl	NAD	
			Layer 10: Gray fibrous material with mastic	NAD	
40573.247-303	Wood pattern sheet vinyl flooring	11H kitchen	Layer 1: Brown sheet vinyl	NAD	SAT
	Sheet vinyl flooring		Layer 2: Clear mastic	NAD	
	Black mastic		Layer 3: Brown sheet vinyl	NAD	
			Layer 4: Gray fibrous material with mastic	NAD	
			Layer 5: Black mastic	3% Chrysotile	
40573.247-304	12" Tile pattern sheet vinyl flooring	11H kitchen	Layer 1: Gray sheet vinyl	NAD	SAT
	Sheet vinyl flooring		Layer 2: Clear mastic	NAD	
	Black mastic		Layer 3: Beige sheet vinyl	NAD	
			Layer 4: Gray fibrous material with mastic	NAD	
			Layer 5: Black mastic	3% Chrysotile	
40573.247-305	12" Tile pattern sheet vinyl flooring	11H hall	Layer 1: Gray sheet vinyl	NAD	SAT
	Black mastic		Layer 2: Tan/black mastic	NAD	
			Layer 3: Gray sandy/brittle material	NAD	
	Wood pattern sheet vinyl flooring		Layer 1: Brown sheet vinyl	NAD	
	Sheet vinyl flooring		Layer 2: Blue mastic	NAD	
40573.247-306	Vinyl floor tile	11H hall closet	Layer 3: White sheet vinyl	NAD	SAT
	Black mastic		Layer 4: Gray fibrous material with mastic	NAD	
			Layer 5: Gray brittle material	NAD	
			Layer 6: Beige tile	2% Chrysotile	
			Layer 7: Black mastic	2% Chrysotile	
40573.247-307	Wood pattern sheet vinyl flooring	11H kitchen	Layer 1: Brown sheet vinyl	NAD	SAT
	Sheet vinyl flooring		Layer 2: Blue mastic	NAD	
	Black mastic		Layer 3: Gray sheet vinyl	NAD	
			Layer 4: Gray fibrous material with mastic	NAD	
			Layer 5: Black mastic	2% Chrysotile	
40573.247-307	12" Tile pattern sheet vinyl flooring	12A hall	Layer 1: Gray sheet vinyl	NAD	SAT
	Black mastic		Layer 2: Black mastic	2% Chrysotile	

**Kirkland Heights Apartments 25 Buildings
King County Housing Authority**

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<u>PBS Sample #</u>	<u>Material Type</u>	<u>Sample Location</u>	<u>Lab Description</u>	<u>Lab Result</u>	<u>Lab</u>
40573.247-308	12" Tile pattern sheet vinyl flooring Tan mastic Black mastic	12A hall closet	Layer 1: Gray sheet vinyl Layer 2: Black/tan mastic	NAD 2% Chrysotile	SAT
40573.247-309	Gray wood pattern sheet vinyl flooring Black mastic	12C hall	Layer 1: Gray sheet vinyl Layer 2: Black mastic	NAD 2% Chrysotile	SAT
40573.247-310	Second layer sheet vinyl flooring Tan mastic Black mastic	12C hall closet below gray wood pattern sheet vinyl flooring	Layer 1: Beige sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Black/tan mastic	NAD NAD 2% Chrysotile	SAT
40573.247-311	Wood pattern sheet vinyl flooring Tan mastic Black mastic	12D kitchen	Layer 1: Beige sheet vinyl Layer 2: Black/tan mastic Layer 3: Gray sandy/brittle material	NAD 2% Chrysotile NAD	SAT
40573.247-312	Gray wood pattern sheet vinyl flooring Tan mastic on concrete	12F hall	Layer 1: Gray sheet vinyl Layer 2: Tan mastic Layer 3: Gray sandy/brittle material	NAD NAD NAD	SAT
40573.247-313	Second layer sheet vinyl flooring Gray mastic	12G hall closet below gray wood pattern sheet vinyl flooring	Layer 1: Gray sheet vinyl Layer 2: Gray fibrous material with gray mastic	NAD NAD	SAT
40573.247-314	Second layer sheet vinyl flooring Black mastic	12G kitchen below gray wood pattern sheet vinyl flooring	Layer 1: Gray sheet vinyl Layer 2: Gray fibrous material with gray mastic Layer 3: Black mastic	NAD NAD 2% Chrysotile	SAT
40573.247-315	Gray wood pattern sheet vinyl flooring Black mastic	12G hall	Layer 1: Gray sheet vinyl Layer 2: Black mastic	NAD 2% Chrysotile	SAT
40573.247-316	Gray wood pattern sheet vinyl flooring Cream mastic	12H living room	Layer 1: Gray sheet vinyl Layer 2: Cream mastic Layer 3: Gray sandy/brittle material	NAD NAD NAD	SAT
40573.247-317	12" Tile pattern sheet vinyl flooring Sheet vinyl flooring Vinyl floor tile	12H restroom	Layer 1: Beige sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Gray sheet vinyl Layer 4: Gray fibrous material with mastic Layer 5: Beige tile	NAD NAD NAD NAD 2% Chrysotile	SAT

<u>PBS Sample #</u>	<u>Material Type</u>	<u>Sample Location</u>	<u>Lab Description</u>	<u>Lab Result</u>	<u>Lab</u>	
40573.247-318	Black mastic	13B hall below carpet	Layer 6: Black mastic	3% Chrysotile	SAT	
	Vinyl floor tile		Layer 1: Beiqe tile	2% Chrysotile		
	Black mastic		Layer 2: Black mastic	3% Chrysotile		
40573.247-319	6" Tile pattern sheet vinyl flooring	13B kitchen	Layer 1: Brown sheet vinyl	NAD	SAT	
	Sheet vinyl flooring		Layer 2: Gray fibrous material with mastic	NAD		
	Sheet vinyl flooring		Layer 3: Gray sheet vinyl	NAD		
	Vinyl floor tile		Layer 4: Gray fibrous material with mastic	NAD		
			Black mastic	Layer 5: White sheet vinyl		NAD
				Layer 6: Gray fibrous material with mastic		NAD
40573.247-320	6" Tile pattern sheet vinyl flooring	13B restroom	Layer 7: Beiqe tile	2% Chrysotile	SAT	
	Sheet vinyl flooring		Layer 8: Black mastic	3% Chrysotile		
	Black mastic		Layer 1: Brown sheet vinyl	NAD		
				Layer 2: Gray fibrous material with mastic		NAD
				Layer 3: Gray sheet vinyl		NAD
40573.247-321	Second layer green mastic	13C hall below 12" tile pattern sheet vinyl flooring	Layer 4: Gray fibrous material with mastic	NAD	SAT	
	Sheet vinyl flooring		Layer 5: Black mastic	3% Chrysotile		
	Black mastic		Layer 1: Green mastic	NAD		
	Black mastic		Layer 2: Brown sheet vinyl	NAD		
				Layer 3: Gray fibrous material with mastic		NAD
				Layer 4: Gray sheet vinyl		NAD
40573.247-322	6" Tile pattern sheet vinyl flooring	13D kitchen	Layer 5: Gray fibrous material with mastic	NAD	SAT	
	Sheet vinyl flooring		Layer 6: Black mastic	3% Chrysotile		
	Cream mastic		Layer 1: Brown sheet vinyl	NAD		
			Layer 2: Gray fibrous material with mastic	NAD		
40573.247-323	6" Tile pattern sheet vinyl flooring	13D restroom	Layer 3: Gray sheet vinyl	NAD	SAT	
	Cream mastic		Layer 4: Gray fibrous material with mastic	NAD		
	Black mastic		Layer 1: Brown sheet vinyl	NAD		
				Layer 2: Gray fibrous material with mastic		NAD
				Layer 3: Gray sheet vinyl		NAD
40573.247-324	Vinyl floor tile	13D hall closet below carpet	Layer 4: Gray fibrous material with mastic	NAD	SAT	
			Layer 5: Black mastic	3% Chrysotile		
			Layer 1: Beiqe tile	2% Chrysotile		

<u>PBS Sample #</u>	<u>Material Type</u>	<u>Sample Location</u>	<u>Lab Description</u>	<u>Lab Result</u>	<u>Lab</u>
	Black mastic		Layer 2: Black mastic	3% Chrysotile	
40573.247-325	Second layer sheet vinyl flooring Tan mastic Cream and black mastic	13D hall below gray wood pattern sheet vinyl flooring	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Black mastic	NAD NAD 3% Chrysotile	SAT
40573.247-326	Second layer sheet vinyl flooring Black mastic	13E kitchen below gray wood pattern sheet vinyl flooring	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Black mastic	NAD NAD 3% Chrysotile	SAT
40573.247-327	12" Tile pattern sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring Black mastic	13E restroom	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Gray sheet vinyl Layer 4: Gray fibrous material with mastic Layer 5: White sheet vinyl Layer 6: Gray fibrous material with tan mastic Layer 7: Black mastic	NAD NAD NAD NAD NAD NAD 2% Chrysotile	SAT
40573.247-328	Gray wood sheet vinyl flooring Tan mastic on concrete	13E living room	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Gray sandy/brittle material with mastic	NAD NAD NAD	SAT
40573.247-329	Black mastic on gray leveling compound	13F hall below wood pattern sheet vinyl flooring	Layer 1: Black mastic with sandy material	2% Chrysotile	SAT
40573.247-330	Second layer sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring Black mastic	13F restroom below wood pattern sheet vinyl flooring	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Gray sheet vinyl Layer 4: Gray fibrous material with mastic Layer 5: White sheet vinyl Layer 6: Gray fibrous material with tan mastic Layer 7: Black mastic	NAD NAD NAD NAD NAD NAD 2% Chrysotile	SAT
40573.247-331	Wood pattern sheet vinyl flooring Sheet vinyl flooring Vinyl floor tile	13F kitchen	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Gray sheet vinyl Layer 4: Gray fibrous material with mastic Layer 5: Beige tile	NAD NAD NAD NAD 2% Chrysotile	SAT

<u>PBS Sample #</u>	<u>Material Type</u>	<u>Sample Location</u>	<u>Lab Description</u>	<u>Lab Result</u>	<u>Lab</u>
	Black mastic		Layer 6: Black mastic		
40573.247-332	Gray wood pattern sheet vinyl flooring Tan mastic Black mastic	13H hall closet	Layer 1: Gray sheet vinyl Layer 2: Gray fibrous material with black mastic	3% Chrysotile NAD NAD	SAT
40573.247-333	Gray wood sheet vinyl flooring Sheet vinyl flooring Tan mastic Black mastic	13H kitchen	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Gray sheet vinyl Layer 4: Gray fibrous material with mastic Layer 5: Black mastic	NAD NAD NAD NAD 2% Chrysotile	SAT
40573.247-334	Second layer sheet vinyl flooring Sheet vinyl flooring Cream mastic Tan mastic Black mastic		Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Gray sheet vinyl Layer 4: Gray fibrous material with mastic Layer 5: Black mastic	NAD NAD NAD NAD 2% Chrysotile	SAT
40573.247-335	Wood pattern sheet vinyl flooring Tan mastic Gray leveling compound Vinyl floor tile Black mastic	14A kitchen below wood pattern sheet vinyl flooring	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic and brittle material Layer 3: Beige tile Layer 4: Black mastic	NAD NAD 2% Chrysotile 3% Chrysotile	SAT
40573.247-336	Sheet vinyl flooring on concrete	14A bedroom below carpet	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic and brittle material	NAD NAD	SAT
40573.247-337	Sheet vinyl flooring on concrete	14A bedroom below carpet	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic and brittle material	NAD NAD	SAT
40573.247-338	Wood pattern sheet vinyl flooring Sheet vinyl flooring Tan mastic Black mastic	14A restroom	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Gray sheet vinyl Layer 4: Gray fibrous material with mastic Layer 5: Black mastic	NAD NAD NAD NAD 2% Chrysotile	SAT
40573.247-339	Sheet vinyl flooring	14B bedroom below carpet	Layer 1: Brown sheet vinyl	NAD	SAT

<u>PBS Sample #</u>	<u>Material Type</u>	<u>Sample Location</u>	<u>Lab Description</u>	<u>Lab Result</u>	<u>Lab</u>
40573.247-340	Black mastic Second layer sheet vinyl flooring Black mastic	14B kitchen below 12" tile pattern sheet vinyl flooring	Layer 2: Gray fibrous material with mastic Layer 3: Black mastic Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Black mastic	NAD 2% Chrysotile NAD 2% Chrysotile	SAT
40573.247-341	Black carpet glue/mastic	14D bedroom below carpet	Layer 1: Black tar	NAD	SAT
40573.247-342	Vinyl floor tile Black mastic	14D hall below carpet	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Black mastic	NAD NAD 2% Chrysotile	SAT
40573.247-343	6" Tile pattern sheet vinyl flooring Black mastic	14D restroom	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Black mastic	NAD NAD 2% Chrysotile	SAT
40573.247-344	Textured vinyl floor tile Black mastic	14F below carpet in living room	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Black mastic	NAD NAD 2% Chrysotile	SAT
40573.247-345	6" Tile pattern sheet vinyl flooring Sheet vinyl flooring Vinyl floor tile Black mastic	14F restroom	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Gray sheet vinyl Layer 4: Gray fibrous material with mastic Layer 5: White sheet vinyl Layer 6: Gray fibrous material with tan mastic Layer 7: Black mastic	NAD NAD NAD NAD NAD NAD 2% Chrysotile	SAT
40573.247-346	6" Tile pattern sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring Vinyl floor tile Black mastic	14F kitchen	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Gray sheet vinyl Layer 4: Gray fibrous material with mastic Layer 5: White sheet vinyl Layer 6: Gray fibrous material with tan mastic Layer 7: Beige tile Layer 8: Black mastic	NAD NAD NAD NAD NAD NAD 2% Chrysotile 3% Chrysotile	SAT
40573.247-347	Wood pattern sheet vinyl flooring	14G hall closet	Layer 1: Brown sheet vinyl	NAD	SAT

<u>PBS Sample #</u>	<u>Material Type</u>	<u>Sample Location</u>	<u>Lab Description</u>	<u>Lab Result</u>	<u>Lab</u>
40573.247-348	Tan mastic	14G restroom	Layer 2: Gray fibrous material with mastic	NAD	SAT
	Black mastic		Layer 3: Black mastic	2% Chrysotile	
40573.247-349	12" Tile pattern sheet vinyl flooring	14H kitchen	Layer 1: Brown sheet vinyl	NAD	SAT
	Black mastic		Layer 2: Gray fibrous material with mastic	NAD	
			Layer 3: Black mastic	2% Chrysotile	
	Wood pattern sheet vinyl pattern		Layer 1: Brown sheet vinyl	NAD	
	Sheet vinyl flooring		Layer 2: Gray fibrous material with mastic	NAD	
	Sheet vinyl flooring		Layer 3: Gray sheet vinyl	NAD	
	Sheet vinyl flooring		Layer 4: Gray fibrous material with mastic	NAD	
	Sheet vinyl flooring		Layer 5: White sheet vinyl	NAD	
40573.247-350	Cream mastic	14H hall	Layer 6: Gray fibrous material with tan mastic	NAD	SAT
			Layer 7: White sheet vinyl	NAD	
			Layer 8: Gray fibrous material with tan mastic	NAD	
	Wood pattern sheet vinyl flooring		Layer 1: Brown sheet vinyl	NAD	
	Gray leveling compound		Layer 2: Gray fibrous material with mastic	NAD	
	Black mastic		and brittle material	2% Chrysotile	
			Layer 3: Black mastic		
40573.247-351	Second layer sheet vinyl flooring	14H restroom below wood pattern sheet vinyl flooring	Layer 1: Brown sheet vinyl	NAD	SAT
	Sheet vinyl flooring		Layer 2: Gray fibrous material with mastic	NAD	
	Sheet vinyl flooring		Layer 3: Gray sheet vinyl	NAD	
	Tan mastic		Layer 4: Gray fibrous material with mastic	NAD	
			Layer 5: White sheet vinyl	NAD	
			Layer 6: Gray fibrous material with tan mastic	NAD	
40573.247-352	12" Tile pattern sheet vinyl flooring	16A hall	Layer 1: Brown sheet vinyl	NAD	SAT
			Layer 2: Gray fibrous material with mastic	NAD	
	Black mastic		and brittle material	2% Chrysotile	
40573.247-353	Second layer sheet vinyl flooring	16B hall below wood pattern sheet vinyl flooring	Layer 1: Brown sheet vinyl	NAD	SAT
	Cream mastic		Layer 2: Gray fibrous material with mastic	NAD	
	Black mastic		and brittle material	2% Chrysotile	
40573.247-354	12" Tile pattern sheet vinyl flooring	16D kitchen	Layer 3: Black mastic		SAT
			Layer 1: Brown sheet vinyl	NAD	

<u>PBS Sample #</u>	<u>Material Type</u>	<u>Sample Location</u>	<u>Lab Description</u>	<u>Lab Result</u>	<u>Lab</u>
40573.247-355	Black mastic	16E kitchen	Layer 2: Gray fibrous material with mastic and brittle material Layer 3: Black mastic	NAD	SAT
	12" Tile pattern sheet vinyl flooring		Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic and brittle material Layer 3: Black mastic	2% Chrysotile	
	Black mastic			2% Chrysotile	
40573.247-356	12" Tile pattern sheet vinyl flooring	16F kitchen	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic and brittle material Layer 3: Black mastic with sandy material	NAD NAD	SAT
	Black mastic on concrete			2% Chrysotile	
	12" Tile pattern sheet vinyl flooring Cream mastic Tan mastic Black mastic		Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic and brittle material Layer 3: Black mastic	NAD NAD	
40573.247-357	Gray wood pattern sheet vinyl flooring White leveling compound Tan mastic Black mastic	16G hall	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic and brittle material Layer 3: Black mastic	NAD NAD	SAT
				2% Chrysotile	
				2% Chrysotile	
40573.247-358	Gray wood pattern sheet vinyl flooring White leveling compound Tan mastic Black mastic	18B kitchen	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic and brittle material Layer 3: Black/tan mastic	NAD NAD	SAT
				2% Chrysotile	
				2% Chrysotile	
40573.247-359	Gray wood pattern sheet vinyl flooring Green mastic Black mastic	18B hall closet	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Black/tan mastic	NAD NAD	SAT
				2% Chrysotile	
				2% Chrysotile	
40573.247-360	Second layer sheet vinyl flooring Cream mastic Black mastic	18C hall below wood pattern sheet vinyl flooring	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Black/tan mastic	NAD NAD	SAT
				2% Chrysotile	
				2% Chrysotile	
40573.247-361	12" Tile pattern sheet vinyl flooring Tan mastic Black mastic	18C restroom	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Black/tan mastic	NAD NAD	SAT
				2% Chrysotile	
				2% Chrysotile	
40573.247-362	Wood pattern sheet vinyl flooring Sheet vinyl flooring	18C hall closet	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Gray sheet vinyl	NAD NAD NAD	SAT
				2% Chrysotile	
				2% Chrysotile	

<u>PBS Sample #</u>	<u>Material Type</u>	<u>Sample Location</u>	<u>Lab Description</u>	<u>Lab Result</u>	<u>Lab</u>
40573.247-363	Black mastic	18D bedroom	Layer 4: Gray fibrous material with mastic Layer 5: Black/tan mastic	NAD	SAT
	Wood pattern sheet vinyl flooring		Layer 1: Brown sheet vinyl	NAD	
	Tan mastic Yellow mastic		Layer 2: Gray fibrous material with mastic	NAD	
40573.247-364	12" Tile pattern sheet vinyl flooring	18D restroom	Layer 1: Brown sheet vinyl	NAD	SAT
	Sheet vinyl flooring		Layer 2: Gray fibrous material with mastic	NAD	
	Sheet vinyl flooring		Layer 3: Gray sheet vinyl	NAD	
	Sheet vinyl flooring		Layer 4: Gray fibrous material with mastic	NAD	
	Sheet vinyl flooring		Layer 5: White sheet vinyl	NAD	
	Sheet vinyl flooring		Layer 6: Gray fibrous material with tan mastic	NAD	
	Sheet vinyl flooring		Layer 7: White sheet vinyl	NAD	
40573.247-365	Second layer sheet vinyl flooring Gray leveling compound Cream mastic	18D hall closet below wood pattern sheet vinyl flooring	Layer 8: Gray fibrous material with tan mastic	NAD	SAT
			Layer 9: White sheet vinyl	NAD	
			Layer 10: Gray fibrous material with tan mastic	NAD	
	Black mastic		Layer 11: Black/tan mastic	2% Chrysotile	
			Layer 1: Brown sheet vinyl	NAD	
40573.247-366	Wood pattern sheet vinyl flooring	18D kitchen	Layer 2: Gray fibrous material with mastic and brittle material	NAD	SAT
	Sheet vinyl flooring		Layer 1: Brown sheet vinyl	NAD	
	Sheet vinyl flooring		Layer 2: Gray fibrous material with mastic	NAD	
	Sheet vinyl flooring		Layer 3: Gray sheet vinyl	NAD	
	Sheet vinyl flooring		Layer 4: Gray fibrous material with mastic	NAD	
	Sheet vinyl flooring		Layer 5: White sheet vinyl	NAD	
	Sheet vinyl flooring Vinyl floor tile Black mastic		Layer 6: Gray fibrous material with tan mastic	NAD	
40573.247-367	Orange vinyl floor tile Gray leveling compound Tan mastic	18E living room	Layer 7: White sheet vinyl	NAD	SAT
			Layer 8: Gray fibrous material with tan mastic	NAD	
			Layer 9: Black/tan mastic	2% Chrysotile	
40573.247-368	Second layer vinyl floor tile	18E kitchen below layer of	Layer 1: Orange sheet vinyl	NAD	SAT
			Layer 2: Gray fibrous material with mastic with brittle material	NAD	
			Layer 1: Gray sheet vinyl	NAD	SAT

<u>PBS Sample #</u>	<u>Material Type</u>	<u>Sample Location</u>	<u>Lab Description</u>	<u>Lab Result</u>	<u>Lab</u>
	Gray leveling compound Brown mastic	orange vinyl floor tile	Layer 2: Gray fibrous material with mastic with brittle material	NAD	
40573.247-369	Second layer vinyl floor tile Tan mastic Black mastic	18E hall below layer of orange vinyl floor tile	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Black/tan mastic	NAD NAD 2% Chrysotile	SAT
40573.247-370	Orange vinyl floor tile Brown mastic Black mastic	18E bedroom	Layer 1: Orange sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Black/tan mastic	NAD NAD 2% Chrysotile	SAT
40573.247-371	Wood pattern sheet vinyl flooring Gray leveling compound Black mastic	18G hall	Layer 1: Gray sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Black/tan mastic	NAD NAD 2% Chrysotile	SAT
40573.247-372	12" Tile pattern sheet vinyl flooring Sheet vinyl flooring Gray leveling compound Sheet vinyl flooring	18G restroom	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: White sheet vinyl Layer 4: Gray fibrous material with tan mastic Layer 5: White sheet vinyl Layer 6: Gray fibrous material with tan mastic Layer 7: Black/tan mastic	NAD NAD NAD NAD NAD NAD 2% Chrysotile	SAT
40573.247-373	Black mastic 12" Tile pattern sheet vinyl flooring Black mastic	18H restroom	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Black/tan mastic	NAD NAD 2% Chrysotile	SAT
40573.247-374	Second layer sheet vinyl flooring Cream mastic Black mastic	20A hall below gray wood pattern sheet vinyl flooring	Layer 1: Gray sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Black/tan mastic	NAD NAD 2% Chrysotile	SAT
40573.247-375	Second layer sheet vinyl flooring Tan mastic Gray leveling compound	20A living room below gray wood pattern sheet vinyl flooring	Layer 1: Gray sheet vinyl Layer 2: Gray fibrous material with mastic	NAD NAD	SAT
40573.247-376	Second layer sheet vinyl flooring Vinyl floor tile Black mastic	20C hall below wood pattern sheet vinyl flooring	Layer 1: Gray sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Black/tan mastic	NAD NAD 2% Chrysotile	SAT

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<u>PBS Sample #</u>	<u>Material Type</u>	<u>Sample Location</u>	<u>Lab Description</u>	<u>Lab Result</u>	<u>Lab</u>
40573.247-377	Wood pattern sheet vinyl flooring Sheet vinyl flooring Tan mastic	20C kitchen	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: White sheet vinyl	NAD NAD NAD NAD	SAT
40573.247-378	12" Tile pattern sheet vinyl flooring Tan mastic Black mastic	20D restroom	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Black/tan mastic	NAD NAD 2% Chrysotile	SAT
40573.247-379	Gray wood pattern sheet vinyl flooring Black mastic	20D hall	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Black/tan mastic	NAD NAD 2% Chrysotile	SAT
40573.247-380	Gray wood pattern sheet vinyl flooring Sheet vinyl flooring Tan mastic Cream mastic Black mastic	20F restroom	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Gray sheet vinyl Layer 4: Gray fibrous material with mastic Layer 5: Black/tan mastic	NAD NAD NAD NAD 2% Chrysotile	SAT
40573.247-381	Second layer sheet vinyl flooring Tan mastic Gray leveling compound Black mastic	20F hall closet below wood pattern sheet vinyl	Layer 1: Gray sheet vinyl Layer 2: Gray fibrous material with mastic with brittle material Layer 3: Black/tan mastic	NAD NAD 2% Chrysotile	SAT
40573.247-382	Second layer sheet vinyl flooring Tan mastic Sheet vinyl flooring Tan mastic Gray leveling compound Black mastic	20G restroom below wood pattern sheet vinyl flooring	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Gray sheet vinyl Layer 4: Gray fibrous material with mastic and brittle material Layer 5: Black/tan mastic	NAD NAD NAD NAD 2% Chrysotile	SAT
40573.247-383	Second layer sheet vinyl flooring Sheet vinyl flooring Vinyl floor tile Black mastic on wood	20G kitchen below wood sheet vinyl flooring	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: White sheet vinyl Layer 4: Gray fibrous material with tan mastic Layer 5: White sheet vinyl Layer 6: Gray fibrous material with tan mastic Layer 7: Black/tan mastic	NAD NAD NAD NAD NAD NAD 2% Chrysotile	SAT

<u>PBS Sample #</u>	<u>Material Type</u>	<u>Sample Location</u>	<u>Lab Description</u>	<u>Lab Result</u>	<u>Lab</u>
40573.247-384	Vinyl floor tile Black mastic	20H hall closet below carpet	Layer 1: Gray sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Black/tan mastic	NAD NAD 2% Chrysotile	SAT
40573.247-385	Textured vinyl floor tile Black mastic	20H hall below carpet	Layer 1: Beige tile Layer 2: Black mastic	NAD 2% Chrysotile	SAT
40573.247-386	6" Tile pattern sheet vinyl flooring Sheet vinyl flooring Vinyl floor tile Black mastic	20H kitchen	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: White sheet vinyl Layer 4: Gray fibrous material with tan mastic Layer 5: Beige tile Layer 6: Black mastic	NAD NAD NAD NAD 2% Chrysotile 2% Chrysotile	SAT
40573.247-387	Second layer tan mastic Sheet vinyl flooring Black mastic	21A restroom below wood pattern sheet vinyl flooring	Layer 1: Tan mastic Layer 2: White sheet vinyl Layer 3: Gray fibrous material with tan mastic Layer 4: Black mastic	NAD NAD NAD 2% Chrysotile	SAT
40573.247-388	Second layer tan mastic Sheet vinyl flooring Black mastic	21B hall closet below wood pattern sheet vinyl flooring	Layer 1: Tan mastic Layer 2: White sheet vinyl Layer 3: Gray fibrous material with tan mastic Layer 4: Black mastic	NAD NAD NAD 2% Chrysotile	SAT
40573.247-389	Wood pattern sheet vinyl flooring Black mastic	21B kitchen	Layer 1: Gray sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Black/tan mastic	NAD NAD 2% Chrysotile	SAT
40573.247-390	Second layer green mastic Sheet vinyl flooring Tan mastic Sheet vinyl flooring Black mastic	21B restroom below wood pattern sheet vinyl flooring	Layer 1: Green mastic Layer 2: Gray sheet vinyl Layer 3: Gray fibrous material with mastic Layer 4: Gray sheet vinyl Layer 5: Gray fibrous material with mastic Layer 6: Black mastic	NAD NAD NAD NAD NAD 2% Chrysotile	SAT
40573.247-391	12" Tile pattern sheet vinyl flooring Vinyl floor tile Black mastic	21C restroom	Layer 1: Gray sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Beige tile Layer 4: Black mastic	NAD NAD NAD 2% Chrysotile	SAT

<u>PBS Sample #</u>	<u>Material Type</u>	<u>Sample Location</u>	<u>Lab Description</u>	<u>Lab Result</u>	<u>Lab</u>
40573.247-392	Second layer sheet vinyl flooring Black mastic	21C hall below 12" tile pattern sheet vinyl flooring	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Black/tan mastic	NAD NAD 3% Chrysotile	SAT
40573.247-393	12" Tile pattern sheet vinyl flooring Cream mastic Black mastic	21E kitchen	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Black/tan mastic	NAD NAD 3% Chrysotile	SAT
40573.247-394	Sheet vinyl flooring Vinyl floor tile Black mastic	21E bedroom below carpet	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Gray sheet vinyl Layer 4: Gray fibrous material with mastic Layer 5: Black/tan mastic	NAD NAD NAD NAD 2% Chrysotile	SAT
40573.247-395	Gray wood pattern sheet vinyl flooring Sheet vinyl flooring Tan mastic Sheet vinyl flooring Black mastic	21G kitchen	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: White sheet vinyl Layer 4: Gray fibrous material with tan mastic Layer 5: White sheet vinyl Layer 6: Gray fibrous material with tan mastic Layer 7: Black/tan mastic	NAD NAD NAD NAD NAD NAD 2% Chrysotile	SAT
40573.247-396	Second layer tan mastic Vinyl floor tile Black mastic	21H hall closet below 12" tile pattern sheet vinyl flooring	Layer 1: Tan mastic Layer 2: White sheet vinyl Layer 3: Gray fibrous material with tan mastic Layer 4: Black mastic	NAD NAD NAD 2% Chrysotile	SAT
40573.247-397	Second layer sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring Black mastic	21H kitchen below 12" tile pattern sheet vinyl flooring	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Gray sheet vinyl Layer 4: Gray fibrous material with mastic Layer 5: Black/tan mastic	NAD NAD NAD NAD 2% Chrysotile	SAT
40573.247-398	12" Tile pattern sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring Tan mastic	21H restroom	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: White sheet vinyl Layer 4: Gray fibrous material with tan mastic Layer 5: White sheet vinyl	NAD NAD NAD NAD NAD	SAT

<u>PBS Sample #</u>	<u>Material Type</u>	<u>Sample Location</u>	<u>Lab Description</u>	<u>Lab Result</u>	<u>Lab</u>
40573.247-399	Second layer tan mastic Sheet vinyl flooring Black mastic	22B restroom below wood pattern sheet vinyl flooring	Layer 6: Gray fibrous material with tan mastic Layer 1: Tan mastic Layer 2: White sheet vinyl Layer 3: Gray fibrous material with tan mastic Layer 4: Black mastic	NAD NAD NAD NAD 2% Chrysotile	SAT
40573.247-400	Gray wood sheet vinyl flooring Black mastic	22C kitchen	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Black/tan mastic	NAD NAD 3% Chrysotile	SAT
40573.247-401	12" Tile pattern sheet vinyl flooring Tan mastic Black mastic	22C restroom	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Black/tan mastic	NAD NAD 3% Chrysotile	SAT
40573.247-402	Textured vinyl floor tile Black mastic	22C hall below carpet	Layer 1: Beige tile Layer 2: Black/tan mastic	NAD 2% Chrysotile	SAT
40573.247-403	6" Tile pattern sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring Black mastic	22D kitchen	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: White sheet vinyl Layer 4: Gray fibrous material with tan mastic Layer 5: White sheet vinyl Layer 6: Gray fibrous material with tan mastic Layer 7: Black/tan mastic	NAD NAD NAD NAD NAD NAD 2% Chrysotile	SAT
40573.247-404	Sheet vinyl flooring Gray mastic	22D living room below carpet	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic	NAD NAD	SAT
40573.247-405	Second layer textured vinyl floor tile Black mastic	22D hall below 6" tile pattern sheet vinyl flooring	Layer 1: Beige tile Layer 2: Black/tan mastic	2% Chrysotile 3% Chrysotile	SAT
40573.247-406	12" Tile pattern sheet vinyl flooring Sheet vinyl flooring Black mastic	22E restroom	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Gray sheet vinyl Layer 4: Gray fibrous material with mastic Layer 5: Black/tan mastic	NAD NAD NAD NAD 2% Chrysotile	SAT
40573.247-407	Gray wood pattern sheet vinyl flooring	22E kitchen	Layer 1: Brown sheet vinyl	NAD	SAT

<u>PBS Sample #</u>	<u>Material Type</u>	<u>Sample Location</u>	<u>Lab Description</u>	<u>Lab Result</u>	<u>Lab</u>
	Sheet vinyl flooring		Layer 2: Gray fibrous material with mastic	NAD	
	Black mastic		Layer 3: Gray sheet vinyl	NAD	
			Layer 4: Gray fibrous material with mastic	NAD	
			Layer 5: Black/tan mastic	2% Chrysotile	
40573.247-408	Gray wood pattern sheet vinyl flooring	22F hall closet	Layer 1: Brown sheet vinyl	NAD	SAT
	Black mastic		Layer 2: Gray fibrous material with mastic	NAD	
			Layer 3: Black/tan mastic	3% Chrysotile	
40573.247-409	12" Tile pattern sheet vinyl flooring	22H hall	Layer 1: Brown sheet vinyl	NAD	SAT
	Black mastic on concrete		Layer 2: Gray fibrous material with mastic	NAD	
			Layer 3: Black/tan mastic with brittle material	3% Chrysotile	
40573.247-410	Gray wood pattern sheet vinyl flooring	24B kitchen	Layer 1: Brown sheet vinyl	NAD	SAT
			Layer 2: Gray fibrous material with mastic	NAD	
40573.247-411	Gray wood pattern sheet vinyl flooring	24C kitchen	Layer 1: Brown sheet vinyl	NAD	SAT
	Green mastic		Layer 2: Gray fibrous material with mastic	NAD	
40573.247-412	Second layer green mastic	24C restrom below gray wood pattern sheet vinyl	Layer 1: Green mastic	NAD	SAT
	Sheet vinyl flooring		Layer 2: White sheet vinyl	NAD	
	Black mastic		Layer 3: Gray fibrous material	NAD	
			Layer 4: Tan/black mastic	3% Chrysotile	
40573.247-413	Green mastic	24C hall below gray woof pattern sheet vinyl	Layer 1: Green mastic	NAD	SAT
	Sheet vinyl flooring		Layer 2: White sheet vinyl	NAD	
	Tan mastic		Layer 3: Gray fibrous material	NAD	
	Black mastic		Layer 4: Tan/black mastic	3% Chrysotile	
40573.247-414	Wood pattern sheet vinyl flooring	24D bedroom	Layer 1: Brown sheet vinyl	NAD	SAT
	Gray mastic		Layer 2: Gray fibrous material with mastic	NAD	
40573.247-415	Wood pattern sheet vinyl flooring	24D hall closet	Layer 1: Brown sheet vinyl	NAD	SAT
	Sheet vinyl flooring		Layer 2: Gray fibrous material with mastic	NAD	
			Layer 3: White sheet vinyl	NAD	
	Sheet vinyl flooring		Layer 4: Gray fibrous material with tan mastic	NAD	
			Layer 5: White sheet vinyl	NAD	
			Layer 6: Gray fibrous material with tan mastic	NAD	
	Black mastic		Layer 7: Tan/black mastic	2% Chrysotile	

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40573.247-416	Second layer tan mastic Sheet vinyl flooring Black mastic	24D hall below wood pattern sheet vinyl flooring	Layer 1: Tan mastic Layer 2: White sheet vinyl Layer 3: Gray fibrous material with tan mastic Layer 4: Black mastic	NAD NAD NAD 2% Chrysotile	SAT
40573.247-417	Wood pattern sheet vinyl flooring Sheet vinyl flooring Black mastic	24E kitchen	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Gray sheet vinyl Layer 4: Gray fibrous material with mastic Layer 5: Black/tan mastic	NAD NAD NAD NAD 2% Chrysotile	SAT
40573.247-418	Second layer wood pattern sheet vinyl Brown mastic Black mastic	24F hall closet below wood pattern sheet vinyl flooring	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Black/tan mastic	NAD NAD 3% Chrysotile	SAT
40573.247-419	Second layer wood pattern sheet vinyl flooring Yellow mastic Gray mastic	24F living room below wood pattern sheet vinyl flooring	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Gray sheet vinyl Layer 4: Gray fibrous material with mastic	NAD NAD NAD NAD	SAT
40573.247-420	Second layer sheet vinyl flooring Sheet vinyl flooring Black mastic	24H kitchen below wood pattern sheet vinyl flooring	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Gray sheet vinyl Layer 4: Gray fibrous material with mastic Layer 5: Black/tan mastic	NAD NAD NAD NAD 2% Chrysotile	SAT
40573.247-421	Gray wood pattern sheet vinyl flooring Sheet vinyl flooring Cream mastic	24H restroom	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Gray sheet vinyl Layer 4: Gray fibrous material with mastic	NAD NAD NAD NAD	SAT
40573.247-422	Second layer gray vinyl floor tile	24H living room below wood sheet vinyl flooring	Layer 1: Beige tile	NAD	SAT
40573.247-423	Gray wood pattern sheet vinyl flooring Black mastic	25A hall	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Black/tan mastic	NAD NAD 3% Chrysotile	SAT

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40573.247-424	12" Tile pattern sheet vinyl flooring Tan mastic Black mastic	25B hall	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Black/tan mastic	NAD NAD 3% Chrysotile	SAT
40573.247-425	Second layer tan mastic Sheet vinyl flooring Black mastic	25B restroom below wood pattern sheet vinyl flooring	Layer 1: Tan mastic Layer 2: White sheet vinyl Layer 3: Gray fibrous material with tan mastic Layer 4: Black mastic	NAD NAD NAD 2% Chrysotile	SAT
40573.247-426	White vinyl floor tile Yellow mastic	25C bedroom, below carpet	Layer 1: Beige tile Layer 2: Brown mastic	NAD NAD	SAT
40573.247-427	Wood pattern sheet vinyl flooring Sheet vinyl flooring Tan mastic	25C kitchen	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Gray sheet vinyl Layer 4: Gray fibrous material with mastic	NAD NAD NAD NAD	SAT
40573.247-428	Second layer green mastic Yellow mastic Vinyl floor tile Gray mastic	25C restroom below wood sheet vinyl flooring	Layer 1: Green mastic Layer 2: Beige tile Layer 3: Gray fibrous material	NAD NAD NAD	SAT
40573.247-429	12" Tile pattern sheet vinyl flooring Tan mastic Black mastic	25E kitchen	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Black/tan mastic with brittle material	NAD NAD 3% Chrysotile	SAT
40573.247-430	Wood pattern sheet vinyl Sheet vinyl flooring Sheet vinyl flooring Black mastic	25H kitchen	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: White sheet vinyl Layer 4: Gray fibrous material with tan mastic Layer 5: White sheet vinyl Layer 6: Gray fibrous material with tan mastic Layer 7: Black/tan mastic	NAD NAD NAD NAD NAD NAD 2% Chrysotile	SAT
40573.247-431	Second layer sheet vinyl flooring Gray leveling compound Black mastic	25H hall below wood pattern sheet vinyl flooring	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Black/tan mastic with brittle material	NAD NAD 3% Chrysotile	SAT
40573.247-432	Second layer sheet vinyl flooring	25G hall below 12" tile pattern	Layer 1: Brown sheet vinyl	NAD	SAT

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40573.247-433	Sheet vinyl flooring	sheet vinyl flooring	Layer 2: Gray fibrous material with mastic	NAD	2% Chrysotile
	Tan mastic		Layer 3: White sheet vinyl	NAD	
	Black mastic		Layer 4: Gray fibrous material with tan mastic	NAD	
			Layer 5: Black/tan mastic		
40573.247-434	Second layer sheet vinyl flooring	25G hall closet below 12" tile pattern sheet vinyl flooring	Layer 1: Brown sheet vinyl	NAD	2% Chrysotile
	Black mastic		Layer 2: Gray fibrous material with mastic	NAD	
	Sheet vinyl flooring		Layer 3: Black/tan mastic	2% Chrysotile	
			Layer 4: White sheet vinyl	NAD	
			Layer 5: Gray fibrous material with tan mastic	NAD	
	Black mastic		Layer 6: Black/tan mastic	2% Chrysotile	
40573.247-435	White membrane roofing core	Building 1	Layer 1: Off-white soft/elastic material with woven fibrous material	NAD	SAT
			Layer 2: White powdery material with fibrous material	NAD	
			Layer 3: White powdery material with fibrous material	NAD	
			Layer 4: White foamy material	NAD	
			Layer 5: White foamy material	NAD	
40573.247-436	White membrane roofing core	Building 2	Layer 1: Off-white soft/elastic material with woven fibrous material	NAD	SAT
			Layer 2: White powdery material with fibrous material	NAD	
			Layer 3: White chalky material	NAD	
			Layer 4: White foamy material	NAD	
40573.247-437	White membrane roofing core	Building 3	Layer 1: Off-white soft/elastic material with woven fibrous material	NAD	SAT
			Layer 2: White powdery material with fibrous material	NAD	
			Layer 3: White chalky material	NAD	
			Layer 4: White foamy material	NAD	
40573.247-438	Black asphaltic built-up roofing core	Building 4	Layer 1: Black asphaltic material with fibrous material	NAD	SAT
40573.247-439	White membrane roofing core	Building 6	Layer 1: Off-white soft/elastic material with fibrous material	NAD	SAT

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40573.247-439	White membrane roofing core	Building 7	woven fibrous material Layer 2: White powdery material with fibrous material Layer 3: White chalky material Layer 4: White foamy material	NAD NAD NAD	
			Layer 1: Off-white soft/elastic material with woven fibrous material Layer 2: White powdery material with fibrous material Layer 3: White chalky material Layer 4: White foamy material	NAD NAD NAD NAD	SAT
40573.247-440	White membrane roofing core	Building 10	Layer 1: Off-white soft/elastic material with woven fibrous material Layer 2: White powdery material with fibrous material Layer 3: White chalky material Layer 4: White foamy material	NAD NAD NAD NAD	SAT
40573.247-441	White membrane roofing core	Building 11	Layer 1: Off-white soft/elastic material with woven fibrous material Layer 2: White powdery material with fibrous material Layer 3: White chalky material Layer 4: White powdery material with fibrous material Layer 5: White foamy material Layer 6: White foamy material	NAD NAD NAD NAD NAD NAD	SAT
40573.247-442	White membrane roofing core	Building 14	Layer 1: Off-white soft/elastic material with woven fibrous material Layer 2: White powdery material with fibrous material Layer 3: White chalky material Layer 4: White powdery material with fibrous material Layer 5: White foamy material Layer 6: White foamy material	NAD NAD NAD NAD NAD NAD	SAT
40573.247-443	White membrane roofing core	Building 15	Layer 1: Off-white soft/elastic material with woven fibrous material Layer 2: White powdery material with fibrous material Layer 3: White chalky material Layer 4: White foamy material Layer 5: Silver paper	NAD NAD NAD NAD NAD	SAT

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40573.247-444	White membrane roofing core	Building 16	woven fibrous material		
			Layer 2: White powdery material with fibrous material	NAD	
			Layer 3: White chalky material	NAD	
			Layer 4: White powdery material with fibrous material	NAD	
			Layer 5: White foamy material	NAD	
			Layer 6: White foamy material	NAD	
40573.247-445	White membrane roofing core	Building 16	Layer 1: Off-white soft/elastic material with woven fibrous material	NAD	SAT
			Layer 2: White powdery material with fibrous material	NAD	
			Layer 3: White foamy material	NAD	
			Layer 1: Off-white soft/elastic material with woven fibrous material	NAD	SAT
40573.247-446	White membrane roofing core	Building 17	Layer 2: White powdery material with fibrous material	NAD	
			Layer 3: White foamy material	NAD	
			Layer 1: Off-white soft/elastic material with woven fibrous material	NAD	SAT
			Layer 2: White powdery material with fibrous material	NAD	
40573.247-447	White membrane roofing core	Building 18	Layer 1: Off-white soft/elastic material with woven fibrous material	NAD	SAT
			Layer 2: White powdery material with fibrous material	NAD	
			Layer 3: White chalky material	NAD	
			Layer 4: White powdery material with fibrous material	NAD	
			Layer 5: White foamy material	NAD	
			Layer 6: White foamy material	NAD	
40573.247-448	White membrane roofing core	Building 19	Layer 1: Off-white soft/elastic material with woven fibrous material	NAD	SAT
			Layer 2: White powdery material with fibrous material	NAD	
			Layer 3: White foamy material	NAD	
40573.247-448	White membrane & built-up roofing core	Building 21	Layer 1: Off-white soft/elastic material with woven fibrous material	NAD	SAT

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40573.247-449	White membrane roofing core	Building 22	Layer 2: Silver paint	2% Chrysotile	
			Layer 3: Black asphaltic material		
			Layer 4: Black asphaltic material with woven fibrous material		
			Layer 5: Black asphaltic material		
			Layer 6: Black asphaltic material with sand		
			Layer 1: Off-white soft/elastic material with woven fibrous material		
			Layer 2: White powdery material with fibrous material		
			Layer 3: White foamy material		
					SAT

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40573.247-TH01	Wood grain pattern sheet flooring	Building 9; Unit A, Kitchen	Layer 1: Brown sheet vinyl Layer 2: Yellow mastic Layer 3: Beige sheet vinyl Layer 4: Gray fibrous material with mastic	NAD NAD NAD NAD	SAT
40573.247-TH02	Wood grain pattern sheet flooring	Building 9; Unit A, Upper Bathroom	Layer 1: Brown sheet vinyl Layer 2: Yellow mastic Layer 3: Brown sheet vinyl Layer 4: Gray fibrous material with mastic Layer 5: Beige sheet vinyl Layer 6: Gray fibrous material with mastic	NAD NAD NAD NAD NAD NAD	SAT
40573.247-TH03	Wood grain pattern sheet flooring Lightweight concrete	Building 9; Unit A, Dining Room	Layer 1: Brown sheet vinyl Layer 2: Yellow mastic Layer 3: Gray sandy/brittle material	NAD NAD NAD	SAT
40573.247-TH04	Wood grain pattern sheet flooring	Building 9; Unit B, Kitchen	Layer 1: Brown sheet vinyl Layer 2: Yellow mastic Layer 3: Green sheet vinyl Layer 4: Clear mastic	NAD NAD NAD NAD	SAT
40573.247-TH05	Wood grain pattern sheet flooring	Building 9; Unit B, Lower Bathroom	Layer 1: Brown sheet vinyl Layer 2: Yellow mastic Layer 3: Green sheet vinyl Layer 4: Yellow/black mastic	NAD NAD NAD NAD	SAT
40573.247-TH06	Wood grain pattern sheet flooring	Building 17; Unit A, Kitchen	Layer 1: Brown sheet vinyl Layer 2: Clear mastic Layer 3: Beige sheet vinyl Layer 4: Gray fibrous material with mastic Layer 5: Beige sheet vinyl Layer 6: Gray fibrous material with mastic	NAD NAD NAD NAD NAD NAD	SAT
40573.247-TH07	Wood grain pattern sheet flooring	Building 17; Unit A, Lower Bathroom	Layer 1: Brown sheet vinyl Layer 2: Clear mastic Layer 3: Beige sheet vinyl Layer 4: Gray fibrous material with mastic Layer 5: Beige sheet vinyl Layer 6: Gray fibrous material with mastic	NAD NAD NAD NAD NAD NAD	SAT

<u>PBS Sample #</u>	<u>Material Type</u>	<u>Sample Location</u>	<u>Lab Description</u>	<u>Lab Result</u>	<u>Lab</u>
40573.247-TH08	Wood grain pattern sheet flooring	Building 17; Unit D, Kitchen	Layer 1: Brown sheet vinyl Layer 2: Clear mastic Layer 3: Beige sheet vinyl Layer 4: Gray fibrous material with mastic	NAD NAD NAD NAD	SAT
40573.247-TH09	Wood grain pattern sheet flooring Lightweight concrete	Building 17; Unit D, Living Room	Layer 1: Brown sheet vinyl Layer 2: Green mastic Layer 3: Gray sandy/brittle material	NAD NAD NAD	SAT
40573.247-TH10	Wood grain pattern sheet flooring	Building 19; Unit A, Kitchen	Layer 1: Brown sheet vinyl Layer 2: Yellow mastic Layer 3: Beige sheet vinyl Layer 4: Gray fibrous material with mastic	NAD NAD NAD NAD	SAT
40573.247-TH11	Wood grain pattern sheet flooring	Building 19; Unit A, Lower Bathroom	Layer 1: Brown sheet vinyl Layer 2: Yellow mastic Layer 3: Beige sheet vinyl Layer 4: Gray fibrous material with mastic	NAD NAD NAD NAD	SAT
40573.247-TH12	Wood grain pattern sheet flooring	Building 9; Unit B, Upper Bathroom	Layer 1: Brown sheet vinyl Layer 2: Clear mastic Layer 3: Beige sheet vinyl Layer 4: Yellow/black mastic	NAD NAD NAD NAD	SAT
40573.247-TH13	Wood grain pattern sheet flooring	Building 23; Unit D, Kitchen	Layer 1: Brown sheet vinyl Layer 2: Yellow mastic Layer 3: Gray sandy/brittle material	NAD NAD NAD	SAT
40573.247-TH14	12" Stone square grid pattern sheet flooring	Building 9; Unit A, Lower Bathroom	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Brown sheet vinyl Layer 4: Gray fibrous material with mastic	NAD NAD NAD NAD	SAT
40573.247-TH15	12" Stone square grid pattern sheet flooring	Building 17; Unit A, Upper Bathroom	Layer 1: Beige sheet vinyl Layer 2: Yellow mastic Layer 3: White tile Layer 4: Tan mastic	NAD NAD NAD NAD	SAT

<u>PBS Sample #</u>	<u>Material Type</u>	<u>Sample Location</u>	<u>Lab Description</u>	<u>Lab Result</u>	<u>Lab</u>
40573.247-TH16	12" Stone square grid pattern sheet flooring	Building 19; Unit C, Kitchen	Layer 1: Beige sheet vinyl Layer 2: Clear mastic Layer 3: Beige sheet vinyl Layer 5: Beige sheet vinyl Layer 6: Gray fibrous material with mastic	NAD NAD NAD NAD NAD	SAT
40573.247-TH17	12" Stone square grid pattern sheet flooring	Building 19; Unit C, Lower Bathroom	Layer 1: Beige sheet vinyl Layer 2: Green mastic Layer 3: Gray fibrous material with mastic Layer 4: Beige sheet vinyl Layer 5: Gray fibrous material with mastic	NAD NAD NAD NAD NAD	SAT
40573.247-TH18	12" Stone square grid pattern sheet flooring	Building 23; Unit D, Upper Bathroom	Layer 1: Beige sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Beige sheet vinyl Layer 4: Gray fibrous material with mastic	NAD NAD NAD NAD	SAT
40573.247-TH19	4" Gray square grid pattern sheet flooring	Building 15; Unit A, Upper Bathroom	Layer 1: Gray sheet vinyl Layer 2: Gray fibrous material with mastic	NAD NAD	SAT
40573.247-TH20	4" Gray square grid pattern sheet flooring	Building 15; Unit A, Kitchen	Layer 1: Gray sheet vinyl Layer 2: Gray fibrous material with mastic	NAD NAD	SAT
40573.247-TH21	4" Gray square grid pattern sheet flooring	Building 15; Unit B, Kitchen	Layer 1: Gray sheet vinyl Layer 2: Gray fibrous material with mastic	NAD NAD	SAT
40573.247-TH22	4" Gray square grid pattern sheet flooring	Building 23; Unit B, Lower Bathroom	Layer 1: Gray sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Beige sheet vinyl Layer 4: Gray fibrous material with mastic	NAD NAD NAD NAD	SAT
40573.247-TH23	4" Gray square grid pattern sheet flooring	Building 23; Unit B, Kitchen	Layer 1: Gray sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Beige sheet vinyl Layer 4: Gray fibrous material with mastic	NAD NAD NAD NAD	SAT
40573.247-TH24	Knockdown wall texture	Building 9; Unit A, Kitchen	Layer 1: White powdery material with paint	NAD	SAT

Kirkland Heights Apartments 25 Buildings
King County Housing Authority

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>
40573.247-TH25	Knockdown wall texture	Building 17; Unit A, Upstairs Bathroom	Layer 1: White powdery material with paint Layer 2: White chalky material with paper	NAD NAD	SAT
40573.247-TH26	Knockdown wall texture	Building 19; Unit A, Kitchen	Layer 1: White powdery material with paint Layer 2: White chalky material with paper	NAD NAD	SAT
40573.247-TH27	Knockdown wall texture	Building 23; Unit B, Lower Bathroom	Layer 1: White powdery material with paint Layer 2: White chalky material with paper	NAD NAD	SAT
40573.247-TH28	Popcorn ceiling texture	Building 9; Unit A, Upper Hallway	Layer 1: White soft lumpy material with paint	3% Chrysotile	SAT
40573.247-TH29	Popcorn ceiling texture	Building 15; Unit A, Living Room	Layer 1: White soft lumpy material with paint	3% Chrysotile	SAT
40573.247-TH30	Popcorn ceiling texture	Building 17; Unit D, Upper Hallway	Layer 1: White soft lumpy material with paint	3% Chrysotile	SAT
40573.247-TH31	Popcorn ceiling texture	Building 19; Unit A, Dining Room	Layer 1: White soft lumpy material with paint	3% Chrysotile	SAT
40573.247-TH32	Popcorn ceiling texture	Building 23; Unit B, Bedroom	Layer 1: White soft lumpy material with paint	3% Chrysotile	SAT
40573.247-TH33	Joint compound Gypsum wallboard	Building 17; Unit A, Dining Room ceiling	Layer 1: White powdery material with paint	NAD	SAT
40573.247-TH34	White covebase Covebase mastic	Building 15; Unit A, Lower Bathroom	Layer 1: White rubbery material Layer 2: Cream mastic	NAD NAD	SAT
40573.247-TH35	Tan covebase Covebase mastic	Building 9; Unit A, Kitchen	Layer 1: Tan rubbery material Layer 2: Cream mastic	NAD NAD	SAT
40573.247-TH36	Tan covebase Covebase mastic	Building 17; Unit A, Upper Bathroom	Layer 1: Tan rubbery material Layer 2: Cream mastic	NAD NAD	SAT
40573.247-TH37	White sink undercoat	Building 9; Unit A, Kitchen	Layer 1: White soft/loose material	NAD	SAT
40573.247-TH38	White sink undercoat	Building 15; Unit A, Kitchen	Layer 1: White soft/loose material	NAD	SAT
40573.247-TH39	White sink undercoat	Building 19; Unit C, Kitchen	Layer 1: White soft/loose material	NAD	SAT
40573.247-TH40	Gray sink undercoat	Building 15; Unit B, Kitchen	Layer 1: Trace gray soft/loose material	NAD	SAT
40573.247-TH41	Gray sink undercoat	Building 23; Unit B, Kitchen	Layer 1: Trace gray soft/loose material	NAD	SAT

Kirkland Heights Apartments 25 Buildings
King County Housing Authority
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>
40573.247-TH42	Gray sink undercoat	Building 23; Unit D, Kitchen	Layer 1: Trace gray soft/loose material	NAD	SAT
40573.247-TH43	Sink patch	Building 9; Unit B, Kitchen	Layer 1: Black soft material	NAD	SAT
40573.247-TH44	Sink patch	Building 17; Unit A, Kitchen	Layer 1: Black soft material	NAD	SAT
40573.247-TH45	Sink patch	Building 17; Unit D, Kitchen	Layer 1: Black soft material	NAD	SAT
40573.247-TH46	Sink patch	Building 19; Unit A, Kitchen	Layer 1: Black soft material	NAD	SAT
40573.247-TH47	Blown in insulation	Building 9; Unit A, Attic	Layer 1: Brown fibrous material	NAD	SAT
40573.247-TH48	Blown in insulation	Building 15; Unit A, Attic	Layer 1: Brown fibrous material	NAD	SAT
40573.247-TH49	Blown in insulation	Building 17; Unit A, Attic	Layer 1: Brown fibrous material Layer 2: Gray fibrous material	NAD NAD	SAT
40573.247-TH50	Blown in insulation	Building 17; Unit D, Attic	Layer 1: Brown fibrous material Layer 2: Gray fibrous material	NAD NAD	SAT
40573.247-TH51	Sheet vinyl flooring Black mastic	Building 9; Unit C, Kitchen below 6" tile pattern sheet vinyl flooring	Layer 1: Beige sheet vinyl Layer 2: Gray fibrous material Layer 3: Black mastic	NAD NAD 2% Chrysotile	SAT
40573.247-TH52	Sheet vinyl flooring Tan mastic Black mastic	Building 9; Unit C, Front entry hall below 6" tile pattern sheet vinyl flooring	Layer 1: Beige sheet vinyl Layer 2: Gray fibrous material Layer 3: Black/tan mastic	NAD NAD 2% Chrysotile	SAT
40573.247-TH53	6" tile pattern sheet vinyl flooring White leveling compound Tan mastic	Building 9; Unit C, downstairs bathroom	Layer 1: Beige sheet vinyl Layer 2: Gray fibrous material Layer 3: Beige sheet vinyl Layer 4: Gray fibrous material with tan mastic Layer 5: White brittle material	NAD NAD NAD NAD NAD	SAT
40573.247-TH54	Sheet vinyl flooring Tan mastic	Building 9; Unit D, upstairs restroom below gray wood pattern sheet vinyl flooring	Layer 1: Beige sheet vinyl Layer 2: Gray fibrous material with tan mastic	NAD NAD	SAT

<u>PBS Sample #</u>	<u>Material Type</u>	<u>Sample Location</u>	<u>Lab Description</u>	<u>Lab Result</u>	<u>Lab</u>
40573.247-TH55	Grey wood pattern sheet vinyl flooring Black mastic Sheet vinyl flooring Sheet vinyl flooring with black mastic	Building 9; Unit D, downstairs restroom	Layer 1: Beige sheet vinyl Layer 2: Black mastic Layer 3: Gray sheet vinyl Layer 4: Gray fibrous material with mastic	NAD 2% Chrysotile NAD NAD	
40573.247-TH56	Grey wood pattern sheet vinyl flooring Green mastic	Building 9; Unit D, living room	Layer 1: Gray sheet vinyl Layer 2: Green mastic	NAD NAD	SAT
40573.247-TH57	Sheet vinyl flooring Sheet vinyl flooring Tan mastic Gray mastic	Building 9; Unit D, kitchen below wood pattern sheet vinyl flooring	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with mastic Layer 3: Gray sheet vinyl Layer 4: Gray fibrous material with gray mastic	NAD NAD NAD NAD	SAT
40573.247-TH58	Sheet vinyl flooring Cream mastic Gray leveling compound	Building 15; Unit C, kitchen	Layer 1: Gray sheet vinyl Layer 2: Gray fibrous material with cream mastic Layer 3: Gray brittle material	NAD NAD NAD	SAT
40573.247-TH59	Grey wood pattern sheet vinyl flooring sheet vinyl flooring Black mastic sheet vinyl flooring	Building 15; Unit C, downstairs restroom	Layer 1: Gray sheet vinyl Layer 2: Tan mastic Layer 3: Beige sheet vinyl Layer 4: Gray fibrous material Layer 5: Black/tan mastic Layer 6: Beige sheet vinyl Layer 7: Gray fibrous material with tan mastic	NAD NAD NAD 2% Chrysotile NAD NAD	SAT
40573.247-TH60	Wood pattern sheet vinyl flooring Gray mastic on wood	Building 15; Unit D, upstairs restroom	Layer 1: Brown sheet vinyl Layer 2: Gray mastic Layer 3: Gray brittle material	NAD NAD NAD	SAT
40573.247-TH61	wood pattern sheet vinyl flooring Black mastic Tan mastic	Building 15; Unit D, kitchen below wood pattern sheet vinyl flooring	Layer 1: Light brown sheey vinyl Layer 2: Tan/black mastic Layer 3: Gray brittle material	NAD 2% Chrysotile NAD	SAT

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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>
40573.247-TH62	Wood pattern sheet vinyl flooring Sheet vinyl flooring Brown mastic Black mastic	Building 15; Unit D, downstairs restroom	Layer 1: Brown sheet vinyl Layer 2: Clear mastic Layer 3: Brown sheet vinyl Layer 4: Brown/black mastic	NAD NAD NAD 2% Chrysotile	
40573.247-TH63	Second layer light wood pattern sheet vinyl flooring Tan mastic Black mastic	Building 15; Unit D, front entry hall below wood pattern sheet vinyl flooring	Layer 1: Light brown sheet vinyl Layer 2: Tan/black mastic	NAD 2% Chrysotile	
40573.247-TH64	Second layer light wood pattern sheet vinyl flooring Tan mastic Gray leveling compound	Building 15; Unit D, living room entry hall below wood pattern sheet vinyl flooring	Layer 1: Light brown sheet vinyl Layer 2: Tan mastic Layer 3: Gray sandy brittle material	NAD NAD NAD	SAT
40573.247-TH65	12" tile pattern sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring Grey leveling compound Cream and tan mastic	Building 17; Unit B, downstairs restroom	Layer 1: White sheet vinyl Layer 2: Gray fibrous material with cream mastic Layer 3: Gray sandy brittle material	NAD NAD NAD	
40573.247-TH66	Sheet vinyl flooring Tan mastic Gray mastic	Building 17; Unit B, front hall	Layer 1: Gray sheet vinyl Layer 2: Tan/gray mastic	NAD NAD	SAT
40573.247-TH67	Grey wood pattern sheet vinyl flooring Tan mastic Sheet vinyl flooring Tan mastic Grey leveling compound	Building 17; Unit B, kitchen	Layer 1: Gray sheet vinyl Layer 2: Tan/gray mastic Layer 3: Gray sandy/brittle material	NAD NAD NAD	SAT
40573.247-TH68	Tan mastic Sheet vinyl flooring Tan mastic	Building 17; Unit B, upstairs bathroom below 12" tile pattern sheet vinyl flooring	Layer 1: Tan mastic Layer 2: Gray sheet vinyl Layer 3: Tan mastic	NAD NAD NAD	SAT
40573.247-TH69	Sheet vinyl flooring Sheet vinyl flooring Black mastic Cream mastic	Building 17; Unit C, kitchen below wood pattern sheet vinyl flooring	Layer 1: Beige sheet vinyl Layer 2: Gray fibrous material Layer 3: Black/cream mastic	NAD NAD 2% Chrysotile	SAT

<u>PBS Sample #</u>	<u>Material Type</u>	<u>Sample Location</u>	<u>Lab Description</u>	<u>Lab Result</u>	<u>Lab</u>
40573.247-TH70	Grey leveling compound		Layer 4: Gray sandy/brittle material	NAD	
	12" tile pattern sheet vinyl flooring	Building 17; Unit C, downstairs restroom	Layer 1: Brown sheet vinyl	NAD	SAT
	Sheet vinyl flooring		Layer 2: Gray fibrous material with mastic	NAD	
	Tan mastic		Layer 3: Off-white sheet vinyl	NAD	
40573.247-TH71	Black mastic		Layer 4: Gray fibrous material	NAD	
			Layer 5: Black/cream mastic	2% Chrysotile	
			Layer 6: Gray sandy/brittle material	NAD	
	Sheet vinyl flooring	Building 17; Unit C, upstairs restroom	Layer 1: Tan sheet vinyl	NAD	SAT
40573.247-TH72	Sheet vinyl flooring		Layer 2: Gray fibrous material with tan mastic	NAD	
	Tan mastic		Layer 3: Gray sandy/brittle material	NAD	
	Grey leveling compound				
	12" tile pattern sheet vinyl flooring	Building 19; Unit B, downstairs restroom	Layer 1: Gray sheet vinyl	NAD	SAT
40573.247-TH73	Cream mastic Black mastic		Layer 2: Gray fibrous material	NAD	
			Layer 3: Black/cream mastic	2% Chrysotile	
	Sheet vinyl flooring	Building 19; Unit B, upstairs restroom	Layer 1: Gray sheet vinyl	NAD	SAT
	Cream mastic		Layer 2: Gray fibrous material with cream mastic	NAD	
40573.247-TH74	Grey leveling compound on wood		Layer 3: Gray sandy/brittle material	NAD	
	Grey wood pattern sheet vinyl flooring	Building 19; Unit B, front entry hall	Layer 1: Gray sheet vinyl	NAD	SAT
	Tan mastic Black mastic		Layer 2: Gray fibrous material	NAD	
			Layer 3: Black/tan mastic	2% Chrysotile	
40573.247-TH75	6" tile pattern sheet vinyl flooring	Building 19; Unit D, downstairs restroom	Layer 1: Gray sheet vinyl	NAD	SAT
	Sheet vinyl flooring		Layer 2: Gray fibrous material	NAD	
	Black mastic		Layer 3: Black/tan mastic	2% Chrysotile	
	Sheet vinyl flooring		Layer 4: Beige sheet vinyl	NAD	
40573.247-TH76	Black mastic		Layer 5: Gray fibrous material	NAD	
			Layer 6: Black/tan mastic	2% Chrysotile	
	Second layer Grey mastic	Building 19; Unit D, dining room	Layer 1: Off-white sheet vinyl	NAD	SAT
	Sheet vinyl flooring	below 6" tile pattern sheet vinyl flooring	Layer 2: Gray fibrous material	NAD	
	Cream mastic Black mastic		Layer 3: Black/cream mastic	2% Chrysotile	

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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>
40573.247-TH77	Orange/brown patterned vinyl floor tile Tan mastic	Building 19; Unit D, living room below carpet	Layer 1: Orange/brown tile Layer 2: Tan mastic	NAD NAD	SAT
40573.247-TH78	12" tile pattern sheet vinyl flooring Tan mastic Yellow mastic on wood	Building 19; Unit D, upstairs restroom	Layer 1: Beige sheet vinyl Layer 2: Tan/yellow mastic	NAD NAD	SAT
40573.247-TH79	12" tile pattern sheet vinyl flooring Sheet vinyl flooring Black mastic Sheet vinyl flooring Black mastic	Building 23; Unit A, downstairs restroom	Layer 1: Beige sheet vinyl Layer 2: Gray fibrous material Layer 3: Black/tan mastic Layer 4: Off-white sheet vinyl Layer 5: Gray fibrous material Layer 6: Black/tan mastic	NAD NAD 2% Chrysotile NAD NAD 2% Chrysotile	SAT
40573.247-TH80	Second layer sheet vinyl flooring Sheet vinyl flooring Yellow mastic Black mastic	Building 23; Unit A, kitchen below 12" tile pattern sheet vinyl flooring	Layer 1: Beige sheet vinyl Layer 2: Gray fibrous material Layer 3: Black/yellow mastic Layer 4: Gray sandy/brittle material	NAD NAD 2% Chrysotile NAD	SAT
40573.247-TH81	Second layer sheet vinyl flooring Grey mastic Tan mastic on wood	Building 23; Unit A, upstairs restroom below 12" tile pattern sheet vinyl flooring	Layer 1: Off-white sheet vinyl Layer 2: Gray fibrous material with gray/tan mastic	NAD NAD	SAT
40573.247-TH82	12" tile pattern sheet vinyl flooring Sheet vinyl flooring Black mastic	Building 23; Unit C, downstairs restroom	Layer 1: Beige sheet vinyl Layer 2: Gray fibrous material Layer 3: Trace black mastic	NAD NAD NAD	SAT
40573.247-TH83	Wood pattern sheet vinyl flooring Tan mastic Black mastic	Building 23; Unit C, kitchen	Layer 1: Brown sheet vinyl Layer 2: Trace tan/black mastic	NAD NAD	SAT
40573.247-TH84	Second layer sheet vinyl flooring Sheet vinyl flooring Tan mastic on wood	Building 23; Unit C, upstairs restroom below wood pattern sheet vinyl flooring	Layer 1: Beige sheet vinyl Layer 2: Gray fibrous material with tan mastic	NAD NAD	SAT

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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>
40573.247-C1	Gray sheet vinyl Red and gray sheet vinyl Gray leveling compound Yellow mastic	Laundry building floor	Layer 1: Gray sheet vinyl Layer 2: Clear mastic Layer 3: Red/gray sheet vinyl Layer 4: Yellow mastic Layer 5: Gray sandy/brittle material	NAD NAD NAD NAD NAD	SAT
40573.247-C2	Composite joint compound Wallboard	Laundry building wall E	Layer 1: White chalky material with paper	NAD	SAT
40573.247-C3	White fiberglass reinforced wall panels Tan mastic	Laundry building S wall	Layer 1: Gray brittle material with fibrous material Layer 2: Tan mastic	NAD NAD	SAT
40573.247-C4	Wall texture	Laundry building S wall	Layer 1: White powdery material with paint	NAD	SAT
40573.247-C5	Wall texture	Laundry building E wall	Layer 1: White powdery material with paint	NAD	SAT
40573.247-C6	Wall texture	Laundry building N wall	Layer 1: White powdery material with paint	NAD	SAT
40573.247-C7	Fire resistant gypsum board	Community room ceiling closet	Layer 1: White chalky material with paper	NAD	SAT
40573.247-C8	Wood looking laminate Yellow mastic White leveling compound White vinyl floor tile Black mastic	Community room	Layer 1: Brown sheet vinyl Layer 2: Yellow mastic Layer 3: White brittle material Layer 4: White tile Layer 5: Black mastic	NAD NAD NAD NAD 3% Chrysotile	SAT
40573.247-C9	Wood looking laminate Yellow mastic Black mastic	Community room kitchen	Layer 1: Gray sheet vinyl Layer 2: Gray fibrous material with yellow/black mastic	NAD NAD	SAT
40573.247-C10	Yellow carpet mastic White vinyl floor tile Black mastic	Under carpet in Storage Room behind fireplace	Layer 1: Yellow mastic Layer 2: White tile Layer 3: Black mastic	NAD NAD 3% Chrysotile	SAT
40573.247-C11	Yellow carpet mastic	Computer storage closet	Layer 1: Yellow mastic	NAD	SAT
40573.247-C12	Yellow covebase mastic	Community room	Layer 1: Yellow mastic	NAD	SAT

<u>PBS Sample #</u>	<u>Material Type</u>	<u>Sample Location</u>	<u>Lab Description</u>	<u>Lab Result</u>	<u>Lab</u>
40573.247-C13	Wood looking sheet vinyl Fuzzy white backing Black mastic	Community room RR	Layer 1: Brown sheet vinyl Layer 2: Gray fibrous material with yellow/ black mastic	NAD NAD	SAT
40573.247-C14	Mastic on glass tile	Community room kitchen	Layer 1: Clear/white mastic Layer 2: Clear hard brittle material	NAD NAD	SAT
40573.247-C15	Mortar on glass tile	Community room kitchen	Layer 1: White hard brittle material	NAD	SAT
40573.247-C16	Composite joint compound and gypsum wallboard	Community room kitchen wall	Layer 1: White powdery material with paint and paper Layer 2: White chalky material with paper	NAD NAD	SAT
40573.247-C17	Mortar	Fireplace	Layer 1: Gray sandy/brittle material with paint	NAD	SAT
40573.247-C18	Firebrick	Fireplace	Layer 1: Tan sandy/brittle material	NAD	SAT
40573.247-C19	Knockdown wall texture	Community room N	Layer 1: White powdery material with paint and paper	NAD	SAT
40573.247-C20	Knockdown wall texture	Community room E	Layer 1: White powdery material with paint	NAD	SAT
40573.247-C21	Knockdown wall texture	Community room S	Layer 1: White powdery material with paint	NAD	SAT
40573.247-C22	White coating Black pad	Community room kitchen sink	Layer 1: White soft/elastic material Layer 2: Black soft/elastic material	NAD NAD	SAT
40573.247-C23	Brown wood looking laminate Black mastic Gray sheet vinyl Yellow mastic Yellow sheet vinyl Yellow and black mastic	Bathroom	Layer 1: Brown sheet vinyl Layer 2: Trace black mastic Layer 3: Beige sheet vinyl Layer 4: Gray fibrous material with mastic Layer 5: Yellow sheet vinyl Layer 6: Gray fibrous material with yellow/black mastic	NAD NAD NAD NAD NAD NAD	SAT
40573.247-C24	Tan covebase mastic	Bathroom	Layer 1: Tan mastic	NAD	SAT
40573.247-C25	Composite joint compound	Office W side of building	Layer 1: White chalky material with paper	NAD	SAT

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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>
40573.247-C26	Popcorn ceiling texture	Office E side of the building	Layer 1: White soft lumpy material with paint	3% Chrysotile	SAT
40573.247-C27	Knockdown wall texture	Bathroom	Layer 1: White powdery material with paint and paper	NAD	SAT
40573.247-C28	Brown tack strip mastic	Under carpet on tack strip	Layer 1: Brown mastic	NAD	SAT
40573.247-C29	Brown wood looking laminate flooring	Kitchen floor	Layer 1: Brown sheet vinyl Layer 2: Clear mastic	NAD NAD	SAT
40573.247-C30	Composite joint compound and wallboard	Maintenance shop	Layer 1: White chalky material with paper	NAD	SAT
40573.247-C31	Yellow fluffy fiberglass insulation	Attic of the Maintenance shop	Layer 1: Yellow fibrous material	NAD	SAT

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, admin@seattleasbestostest.com

Project Manager: Mark Hiley

Client: PBS Engineering and Environmental, Seattle

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

Tel: 206.233.9639

Date Report Issued: 1/24/2023

Date Analyzed: 1/24/2023

Client Job#: 40573.247

Project Location: Kirkland Heights Apartments 25
Buildings

Laboratory batch#: 202211836

Samples Received: 55

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



207211836
LABORATORY CHAIN OF CUSTODY

Project: Kirkland Heights Apartments 25 Buildings

Project #: 40573.247 Page 1 of 3

Analysis requested: PLM

Date: 1/17/2023

Relinquished by/Signature: *Chivie Psai*

Date/Time: 1/20/23

Received by/Signature: *[Signature]*

Date/Time: 1/23/23 15:50

Email ALL INVOICES to: seattleap@pbsusa.com

E-mail results to:

- ☐ Willem Mager
☐ Gregg Middaugh
☒ Mark Hiley
☐ Tim Ogden
☐ Ryan Hunter
☐ Prudy Stoudt-McRae
☐ Janet Murphy

- ☐ Allison Welch
☐ Toan Nguyen
☐ Peter Stensland
☒ Claire Tsai
☐ Holly Tuttle
☐ Mike Smith
☐ Ferman Fletcher

- ☐ Cameron Budnick
☐ Mae Reilly
☐ Nick San
☐ Kameron DeMonnin

TURN AROUND TIME:

- ☐ 1 Hour
☐ 2 Hours
☐ 4 Hours

- ☐ 24 Hours
☐ 48 Hours

- ☒ ~~1 Day~~ 3 Days
☐ Other _____

NOTE: ***Composite if positive

SAMPLE DATA FORM

Sample #	Material	Location	Lab
01	Joint compound Gypsum wallboard***	1A hall	SAT
02	Joint compound Gypsum wallboard***	2H bedroom	
03	Joint compound Gypsum wallboard***	3A bedroom	
04	Joint compound Gypsum wallboard***	4B restroom	
05	Joint compound Gypsum wallboard***	5E restroom	
06	Joint compound Gypsum wallboard***	6D hall	
07	Joint compound Gypsum wallboard***	7A bedroom	
08	Joint compound Gypsum wallboard***	10E hall	
09	Joint compound Gypsum wallboard***	11D restroom	
10	Joint compound Gypsum wallboard***	12B bedroom	
11	Joint compound Gypsum wallboard***	13A bedroom	
12	Joint compound Gypsum wallboard***	14C bedroom	
13	Joint compound Gypsum wallboard***	16H restroom	
14	Joint compound Gypsum wallboard***	18F restroom	
15	Joint compound Gypsum wallboard***	20E bedroom	
16	Joint compound Gypsum wallboard***	21F entry	

202211836



LABORATORY CHAIN OF CUSTODY

Project: Kirkland Heights Apartments 25 Buildings

Project #: 40573.247

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SAMPLE DATA FORM

Sample #	Material	Location	Lab
17	Joint compound Gypsum wallboard***	22G entry	
18	Joint compound Gypsum wallboard***	24A restroom	
19	Joint compound Gypsum wallboard***	25D entry	
20	Orange peel texture ceiling	6G kitchen	
21	Orange peel texture ceiling	6G living	
22	Orange peel texture wall	6G bedroom	
23	Orange peel texture wall	6G bedroom	
24	Orange peel texture wall	6G restroom	
25	Orange peel texture ceiling	18F kitchen	
26	Orange peel texture ceiling	18F living	
27	Orange peel texture wall	18F hall	
28	Orange peel texture wall	18F restroom	
29	Orange peel texture wall	18 F living	
30	Knock down wall texture	1A bedroom	
31	Knock down wall texture	2F bedroom	
32	Knock down wall texture	3A restroom	
33	Knock down wall texture	4E bedroom	
34	Knock down wall texture	5E living	
35	Knock down ceiling texture	6D kitchen	
36	Knock down wall texture	7A hall	
37	Knock down wall texture	10B restroom	
38	Knock down ceiling texture	11D kitchen	
39	Knock down wall texture	12B bedroom	
40	Knock down wall texture	13A hall	
41	Knock down wall texture	14C living	
42	Knock down wall texture	16C restroom	
43	Knock down ceiling texture	18A kitchen	
44	Knock down wall texture	20B bedroom	
45	Knock down ceiling texture	21D kitchen	
46	Knock down wall texture	22G restroom	
47	Knock down wall texture	24A bedroom	
48	Knock down wall texture	25D bedroom	



202211836
LABORATORY CHAIN OF CUSTODY

Project: Kirkland Heights Apartments 25 Buildings

Project #: 40573.247 Page 3 of 3

SAMPLE DATA FORM			
Sample #	Material	Location	Lab
49	Popcorn ceiling texture	1A hall	
50	Popcorn ceiling texture	4E bedroom	
51	Popcorn ceiling texture	6D living	
52	Popcorn ceiling texture	12B hall	
53	Popcorn ceiling texture	18A hall	
54	Popcorn ceiling texture	21D living	
55	Popcorn ceiling texture	24A bedroom	

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

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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.: Mark Hiley

Client: PBS Engineering and Environmental, Seattle

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

Job#: 40573.247

Batch#: 202211836

Date Received: 1/23/2023

Samples Rec'd: 55

Date Analyzed: 1/24/2023

Samples Analyzed: 55

Project Loc.: Kirkland Heights Apartments 25 Buildings

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	01	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
2	02	1	White powdery material with paint	2	Chrysotile	Binder/filler, Paint	5	Cellulose
	Composite result <1%	2	White chalky material with paper		None detected	Binder/filler, Gypsum/binder	26	Cellulose
3	03	1	White powdery material with paint and paper	2	Chrysotile	Binder/filler, Paint	34	Cellulose
	Composite result <1%	2	White chalky material with paper		None detected	Binder/filler, Gypsum/binder	24	Cellulose
4	04	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
5	05	1	White powdery material with paint and paper	2	Chrysotile	Binder/filler, Paint	36	Cellulose
	Composite result <1%	2	White chalky material with paper		None detected	Binder/filler, Gypsum/binder	26	Cellulose
6	06	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
7	07	1	White powdery material with paint	2	Chrysotile	Binder/filler, Paint	5	Cellulose
	Composite result <1%	2	White chalky material with paper		None detected	Binder/filler, Gypsum/binder	24	Cellulose
8	08	1	White powdery material with paint and paper	2	Chrysotile	Binder/filler, Paint	36	Cellulose
	Composite result <1%	2	White chalky material with paper		None detected	Binder/filler, Gypsum/binder	26	Cellulose
9	09	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	26	Cellulose

SEATTLE ASBESTOS TEST

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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;

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Attn: Mark Hiley

Client: PBS Engineering and Environmental, Seattle

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

Job#: 40573.247

Batch#: 202211836

Date Received: 1/23/2023

Samples Rec'd: 55

Date Analyzed: 1/24/2023

Samples Analyzed: 55

Project Loc.: Kirkland Heights Apartments25 Buildings

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
10	10	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
11	11	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	26	Cellulose
12	12	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	24	Cellulose
13	13	1	White chalky material with paint and paper		None detected	Binder/filler, Gypsum/binder, Paint	35	Cellulose
14	14	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
15	15	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	26	Cellulose
16	16	1	Trace white powdery material with paint and paper		None detected	Binder/filler, Paint	35	Cellulose
		2	White chalky material with paper		None detected	Binder/filler, Gypsum/binder	24	Cellulose
17	17	1	Trace white powdery material with paint and paper		None detected	Binder/filler, Paint	34	Cellulose
		2	White chalky material with paper		None detected	Binder/filler, Gypsum/binder	25	Cellulose
18	18	1	Trace white powdery material with paint and paper		None detected	Binder/filler, Paint	35	Cellulose

SEATTLE ASBESTOS TEST

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Job#: 40573.247

Batch#: 202211836

Date Received: 1/23/2023

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Date Analyzed: 1/24/2023

Samples Analyzed: 55

Project Loc.: Kirkland Heights Apartments25 Buildings

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
18	18	2	White chalky material with paper		None detected	Binder/filler, Gypsum/binder	25	Cellulose
19	19	1	White powdery material with paint	2	Chrysotile	Binder/filler, Paint	5	Cellulose
	Composite result <1%	2	White chalky material with paper		None detected	Binder/filler, Gypsum/binder	25	Cellulose
20	20	1	White powdery material with paint		None detected	Binder/filler, Paint	5	Cellulose
21	21	1	White powdery material with paint		None detected	Binder/filler, Paint	4	Cellulose
22	22	1	White powdery material with paint		None detected	Binder/filler, Paint	5	Cellulose
23	23	1	White powdery material with paint		None detected	Binder/filler, Paint	6	Cellulose
24	24	1	White powdery material with paint		None detected	Binder/filler, Paint	4	Cellulose
25	25	1	White powdery material with paint		None detected	Binder/filler, Paint	5	Cellulose
26	26	1	White powdery material with paint		None detected	Binder/filler, Paint	4	Cellulose
27	27	1	White powdery material with paint		None detected	Binder/filler, Paint	6	Cellulose
28	28	1	White powdery material with paint		None detected	Binder/filler, Paint	5	Cellulose
29	29	1	White powdery material with paint		None detected	Binder/filler, Paint	5	Cellulose
30	30	1	White powdery material with paint	2	Chrysotile	Binder/filler, Paint	5	Cellulose
31	31	1	White powdery material with paint	2	Chrysotile	Binder/filler, Paint	4	Cellulose
32	32	1	White powdery material with paint	2	Chrysotile	Binder/filler, Paint	5	Cellulose
33	33	1	White powdery material with paint	2	Chrysotile	Binder/filler, Paint	6	Cellulose
34	34	1	White powdery material with paint	2	Chrysotile	Binder/filler, Paint	4	Cellulose
35	35	1	White powdery material with paint	2	Chrysotile	Binder/filler, Paint	5	Cellulose
36	36	1	White powdery material with paint	2	Chrysotile	Binder/filler, Paint	4	Cellulose
37	37	1	White powdery material with paint	2	Chrysotile	Binder/filler, Paint	6	Cellulose
38	38	1	White powdery material with paint	2	Chrysotile	Binder/filler, Paint	5	Cellulose

SEATTLE ASBESTOS TEST

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Attn: Mark Hiley

Client:

PBS Engineering and
Environmental, Seattle

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

Job#: 40573.247

Batch#:

202211836

Date Received: 1/23/2023

Samples Rec'd: 55

Date Analyzed:

1/24/2023

Samples Analyzed: 55

Project Loc.: Kirkland Heights Apartments25
Buildings

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	39	1	White powdery material with paint	2	Chrysotile	Binder/filler, Paint	5	Cellulose
40	40	1	White powdery material with paint	2	Chrysotile	Binder/filler, Paint	5	Cellulose
41	41	1	White powdery material with paint	2	Chrysotile	Binder/filler, Paint	4	Cellulose
42	42	1	White powdery material with paint	2	Chrysotile	Binder/filler, Paint	5	Cellulose
43	43	1	White powdery material with paint	2	Chrysotile	Binder/filler, Paint	6	Cellulose
44	44	1	White powdery material with paint	2	Chrysotile	Binder/filler, Paint	4	Cellulose
45	45	1	White powdery material with paint	2	Chrysotile	Binder/filler, Paint	5	Cellulose
46	46	1	White powdery material with paint	2	Chrysotile	Binder/filler, Paint	4	Cellulose
47	47	1	White powdery material with paint	2	Chrysotile	Binder/filler, Paint	6	Cellulose
48	48	1	White powdery material with paint	2	Chrysotile	Binder/filler, Paint	5	Cellulose
49	49	1	White powdery material with paint	2	Chrysotile	Binder/filler, Paint	5	Cellulose
50	50	1	White soft lumpy material with paint	3	Chrysotile	Synthetic foam, Filler, Binder, Paint	3	Cellulose
51	51	1	White soft lumpy material with paint	3	Chrysotile	Synthetic foam, Filler, Binder, Paint	3	Cellulose
52	52	1	White soft lumpy material with paint	3	Chrysotile	Synthetic foam, Filler, Binder, Paint	2	Cellulose
53	53	1	White soft lumpy material with paint	3	Chrysotile	Synthetic foam, Filler, Binder, Paint	4	Cellulose
54	54	1	White soft lumpy material with paint	3	Chrysotile	Synthetic foam, Filler, Binder, Paint	3	Cellulose
55	55	1	White soft lumpy material with paint	3	Chrysotile	Synthetic foam, Filler, Binder, Paint	2	Cellulose

SEATTLE ASBESTOS TEST

NVLAP Accreditation Lab Codes: 200768

19701 Scriber Lake Road, Suite 103, Lynnwood, WA 98036, Tel:425.673.9850, Fax:425.673.9810
4500 9th Ave., NE, Suite 300, Seattle, WA 98105
Website:www.seattleasbestostest.com, Email:admin@seattleasbestostest.com

PLM by Point Count (400 points)

Attention: Mark Hiley

Client: PBS Engineering and Environmental, Seattle

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

Client Job #: 40573.247

Laboratory Batch #: 202211840

Date Received: 1/24/2023

Samples Received: 18

Date Analyzed: 1/24/2023

Project: Kirkland Heights Apartments25 Buildings

Sample Requested for Point Count 30Previous Analytical Information

Previously Analyzed by: Cici Xu

Previous Batch #: 202211836

Previous Lab ID: 30

Previous Description: White powdery material with paint

Layer to be Point Counted: 1

Asbestos Type Found: Chrysotile

Asbestos Percentage Found: 2

Point Count Analytical Procedures

New Lab ID: 1

	Asbestos Points	Non-Asbestos Points	Total Points Counted
Slide 1	0	50	50
Slide 2	0	50	50
Slide 3	0	50	50
Slide 4	1	49	50
Slide 5	0	50	50
Slide 6	1	49	50
Slide 7	0	50	50
Slide 8	1	49	50
Total	3	397	400

Point Count Summary Results

Type of Asbestos: Chrysotile

Percentage of Asbestos: 0.75%

Analyzed By: Cici Xu

Reviewed by: Steve Zhang, President

SEATTLE ASBESTOS TEST

NVLAP Accreditation Lab Codes: 200768

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PLM by Point Count (400 points)

Attention: Mark Hiley

Client: PBS Engineering and Environmental, Seattle

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

Client Job #: 40573.247

Laboratory Batch #: 202211840

Date Received: 1/24/2023

Samples Received: 18

Date Analyzed: 1/24/2023

Project: Kirkland Heights Apartments25 Buildings

Sample Requested for Point Count 31Previous Analytical Information

Previously Analyzed by: Cici Xu

Previous Batch #: 202211836

Previous Lab ID: 31

Previous Description: White powdery material with paint

Layer to be Point Counted: 1

Asbestos Type Found: Chrysotile

Asbestos Percentage Found: 2

Point Count Analytical Procedures

New Lab ID: 2

	Asbestos Points	Non-Asbestos Points	Total Points Counted
Slide 1	1	49	50
Slide 2	0	50	50
Slide 3	0	50	50
Slide 4	1	49	50
Slide 5	1	49	50
Slide 6	0	50	50
Slide 7	0	50	50
Slide 8	0	50	50
Total	3	397	400

Point Count Summary Results

Type of Asbestos: Chrysotile

Percentage of Asbestos: 0.75%

Analyzed By: Cici Xu

Reviewed by: Steve Zhang, President

SEATTLE ASBESTOS TEST

NVLAP Accreditation Lab Codes: 200768

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PLM by Point Count (400 points)

Attention: Mark Hiley

Client: PBS Engineering and Environmental, Seattle

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

Client Job #: 40573.247

Laboratory Batch #: 202211840

Date Received: 1/24/2023

Samples Received: 18

Date Analyzed: 1/24/2023

Project: Kirkland Heights Apartments25 Buildings

Sample Requested for Point Count 32Previous Analytical Information

Previously Analyzed by: Cici Xu

Previous Batch #: 202211836

Previous Lab ID: 32

Previous Description: White powdery material with paint

Layer to be Point Counted: 1

Asbestos Type Found: Chrysotile

Asbestos Percentage Found: 2

Point Count Analytical Procedures

New Lab ID: 3

	Asbestos Points	Non-Asbestos Points	Total Points Counted
Slide 1	0	50	50
Slide 2	1	49	50
Slide 3	0	50	50
Slide 4	0	50	50
Slide 5	0	50	50
Slide 6	0	50	50
Slide 7	1	49	50
Slide 8	0	50	50
Total	2	398	400

Point Count Summary Results

Type of Asbestos: Chrysotile

Percentage of Asbestos: 0.5%

Analyzed By: Cici Xu

Reviewed by: Steve Zhang, President

SEATTLE ASBESTOS TEST

NVLAP Accreditation Lab Codes: 200768

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PLM by Point Count (400 points)

Attention: Mark Hiley

Client: PBS Engineering and Environmental, Seattle

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

Client Job #: 40573.247

Laboratory Batch #: 202211840

Date Received: 1/24/2023

Samples Received: 18

Date Analyzed: 1/24/2023

Project: Kirkland Heights Apartments25 Buildings

Sample Requested for Point Count 33Previous Analytical Information

Previously Analyzed by: Cici Xu

Previous Batch #: 202211836

Previous Lab ID: 33

Previous Description: White powdery material with paint

Layer to be Point Counted: 1

Asbestos Type Found: Chrysotile

Asbestos Percentage Found: 2

Point Count Analytical Procedures

New Lab ID: 4

	Asbestos Points	Non-Asbestos Points	Total Points Counted
Slide 1	0	50	50
Slide 2	0	50	50
Slide 3	1	49	50
Slide 4	0	50	50
Slide 5	0	50	50
Slide 6	1	49	50
Slide 7	0	50	50
Slide 8	0	50	50
Total	2	398	400

Point Count Summary Results

Type of Asbestos: Chrysotile

Percentage of Asbestos: 0.5%

Analyzed By: Cici Xu

Reviewed by: Steve Zhang, President

SEATTLE ASBESTOS TEST

NVLAP Accreditation Lab Codes: 200768

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PLM by Point Count (400 points)

Attention: Mark Hiley

Client: PBS Engineering and Environmental, Seattle

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

Client Job #: 40573.247

Laboratory Batch #: 202211840

Date Received: 1/24/2023

Samples Received: 18

Date Analyzed: 1/24/2023

Project: Kirkland Heights Apartments25 Buildings

Sample Requested for Point Count 34Previous Analytical Information

Previously Analyzed by: Cici Xu

Previous Batch #: 202211836

Previous Lab ID: 34

Previous Description: White powdery material with paint

Layer to be Point Counted: 1

Asbestos Type Found: Chrysotile

Asbestos Percentage Found: 2

Point Count Analytical Procedures

New Lab ID: 5

	Asbestos Points	Non-Asbestos Points	Total Points Counted
Slide 1	0	50	50
Slide 2	1	49	50
Slide 3	0	50	50
Slide 4	0	50	50
Slide 5	1	49	50
Slide 6	0	50	50
Slide 7	0	50	50
Slide 8	1	49	50
Total	3	397	400

Point Count Summary Results

Type of Asbestos: Chrysotile

Percentage of Asbestos: 0.75%

Analyzed By: Cici Xu

Reviewed by: Steve Zhang, President

SEATTLE ASBESTOS TEST

NVLAP Accreditation Lab Codes: 200768

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PLM by Point Count (400 points)

Attention: Mark Hiley

Client: PBS Engineering and Environmental, Seattle

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Client Job #: 40573.247

Laboratory Batch #: 202211840

Date Received: 1/24/2023

Samples Received: 18

Date Analyzed: 1/24/2023

Project: Kirkland Heights Apartments25 Buildings

Sample Requested for Point Count 35Previous Analytical Information

Previously Analyzed by: Cici Xu

Previous Batch #: 202211836

Previous Lab ID: 35

Previous Description: White powdery material with paint

Layer to be Point Counted: 1

Asbestos Type Found: Chrysotile

Asbestos Percentage Found: 2

Point Count Analytical Procedures

New Lab ID: 6

	Asbestos Points	Non-Asbestos Points	Total Points Counted
Slide 1	0	50	50
Slide 2	0	50	50
Slide 3	1	49	50
Slide 4	0	50	50
Slide 5	0	50	50
Slide 6	1	49	50
Slide 7	0	50	50
Slide 8	1	49	50
Total	3	397	400

Point Count Summary Results

Type of Asbestos: Chrysotile

Percentage of Asbestos: 0.75%

Analyzed By: Cici Xu

Reviewed by: Steve Zhang, President

SEATTLE ASBESTOS TEST

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PLM by Point Count (400 points)

Attention: Mark Hiley

Client: PBS Engineering and Environmental, Seattle

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Client Job #: 40573.247

Laboratory Batch #: 202211840

Date Received: 1/24/2023

Samples Received: 18

Date Analyzed: 1/24/2023

Project: Kirkland Heights Apartments25 Buildings

Sample Requested for Point Count 36Previous Analytical Information

Previously Analyzed by: Cici Xu

Previous Batch #: 202211836

Previous Lab ID: 36

Previous Description: White powdery material with paint

Layer to be Point Counted: 1

Asbestos Type Found: Chrysotile

Asbestos Percentage Found: 2

Point Count Analytical Procedures

New Lab ID: 7

	Asbestos Points	Non-Asbestos Points	Total Points Counted
Slide 1	1	49	50
Slide 2	0	50	50
Slide 3	0	50	50
Slide 4	1	49	50
Slide 5	0	50	50
Slide 6	0	50	50
Slide 7	0	50	50
Slide 8	0	50	50
Total	2	398	400

Point Count Summary Results

Type of Asbestos: Chrysotile

Percentage of Asbestos: 0.5%

Analyzed By: Cici Xu

Reviewed by: Steve Zhang, President

SEATTLE ASBESTOS TEST

NVLAP Accreditation Lab Codes: 200768

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PLM by Point Count (400 points)

Attention: Mark Hiley

Client: PBS Engineering and Environmental, Seattle

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Client Job #: 40573.247

Laboratory Batch #: 202211840

Date Received: 1/24/2023

Samples Received: 18

Date Analyzed: 1/24/2023

Project: Kirkland Heights Apartments25 Buildings

Sample Requested for Point Count 37Previous Analytical Information

Previously Analyzed by: Cici Xu

Previous Batch #: 202211836

Previous Lab ID: 37

Previous Description: White powdery material with paint

Layer to be Point Counted: 1

Asbestos Type Found: Chrysotile

Asbestos Percentage Found: 2

Point Count Analytical Procedures

New Lab ID: 8

	Asbestos Points	Non-Asbestos Points	Total Points Counted
Slide 1	0	50	50
Slide 2	0	50	50
Slide 3	1	49	50
Slide 4	0	50	50
Slide 5	1	49	50
Slide 6	0	50	50
Slide 7	1	49	50
Slide 8	0	50	50
Total	3	397	400

Point Count Summary Results

Type of Asbestos: Chrysotile

Percentage of Asbestos: 0.75%

Analyzed By: Cici Xu

Reviewed by: Steve Zhang, President

SEATTLE ASBESTOS TEST

NVLAP Accreditation Lab Codes: 200768

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PLM by Point Count (400 points)

Attention: Mark Hiley

Client: PBS Engineering and Environmental, Seattle

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

Client Job #: 40573.247

Laboratory Batch #: 202211840

Date Received: 1/24/2023

Samples Received: 18

Date Analyzed: 1/24/2023

Project: Kirkland Heights Apartments25 Buildings

Sample Requested for Point Count 38Previous Analytical Information

Previously Analyzed by: Cici Xu

Previous Batch #: 202211836

Previous Lab ID: 38

Previous Description: White powdery material with paint

Layer to be Point Counted: 1

Asbestos Type Found: Chrysotile

Asbestos Percentage Found: 2

Point Count Analytical Procedures

New Lab ID: 9

	Asbestos Points	Non-Asbestos Points	Total Points Counted
Slide 1	0	50	50
Slide 2	0	50	50
Slide 3	0	50	50
Slide 4	1	49	50
Slide 5	0	50	50
Slide 6	0	50	50
Slide 7	1	49	50
Slide 8	0	50	50
Total	2	398	400

Point Count Summary Results

Type of Asbestos: Chrysotile

Percentage of Asbestos: 0.5%

Analyzed By: Cici Xu

Reviewed by: Steve Zhang, President

SEATTLE ASBESTOS TEST

NVLAP Accreditation Lab Codes: 200768

19701 Scriber Lake Road, Suite 103, Lynnwood, WA 98036, Tel:425.673.9850, Fax:425.673.9810
4500 9th Ave., NE, Suite 300, Seattle, WA 98105
Website:www.seattleasbestostest.com, Email:admin@seattleasbestostest.com

PLM by Point Count (400 points)

Attention: Mark Hiley

Client: PBS Engineering and Environmental, Seattle

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

Client Job #: 40573.247

Laboratory Batch #: 202211840

Date Received: 1/24/2023

Samples Received: 18

Date Analyzed: 1/24/2023

Project: Kirkland Heights Apartments25 Buildings

Sample Requested for Point Count 39Previous Analytical Information

Previously Analyzed by: Cici Xu

Previous Batch #: 202211836

Previous Lab ID: 39

Previous Description: White powdery material with paint

Layer to be Point Counted: 1

Asbestos Type Found: Chrysotile

Asbestos Percentage Found: 2

Point Count Analytical Procedures

New Lab ID: 10

	Asbestos Points	Non-Asbestos Points	Total Points Counted
Slide 1	1	49	50
Slide 2	1	49	50
Slide 3	0	50	50
Slide 4	0	50	50
Slide 5	0	50	50
Slide 6	1	49	50
Slide 7	0	50	50
Slide 8	0	50	50
Total	3	397	400

Point Count Summary Results

Type of Asbestos: Chrysotile

Percentage of Asbestos: 0.75%

Analyzed By: Cici Xu

Reviewed by: Steve Zhang, President

SEATTLE ASBESTOS TEST

NVLAP Accreditation Lab Codes: 200768

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4500 9th Ave., NE, Suite 300, Seattle, WA 98105
Website:www.seattleasbestostest.com, Email:admin@seattleasbestostest.com

PLM by Point Count (400 points)

Attention: Mark Hiley
Client: PBS Engineering and Environmental, Seattle
Address: 214 E Galer Street, Suite 300, Seattle, WA 98102

Client Job #: 40573.247
Laboratory Batch #: 202211840
Date Received: 1/24/2023
Samples Received: 18
Date Analyzed: 1/24/2023

Project: Kirkland Heights Apartments25 Buildings

Sample Requested for Point Count 40**Previous Analytical Information**

Previously Analyzed by: Cici Xu
Previous Batch #: 202211836
Previous Lab ID: 40
Previous Description: White powdery material with paint
Layer to be Point Counted: 1
Asbestos Type Found: Chrysotile
Asbestos Percentage Found: 2

Point Count Analytical Procedures

New Lab ID: 11

	Asbestos Points	Non-Asbestos Points	Total Points Counted
Slide 1	0	50	50
Slide 2	0	50	50
Slide 3	1	49	50
Slide 4	0	50	50
Slide 5	1	49	50
Slide 6	0	50	50
Slide 7	0	50	50
Slide 8	0	50	50
Total	2	398	400

Point Count Summary Results

Type of Asbestos: Chrysotile
Percentage of Asbestos: 0.5%

Analyzed By: Cici Xu

Reviewed by: Steve Zhang, President

SEATTLE ASBESTOS TEST

NVLAP Accreditation Lab Codes: 200768

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Website:www.seattleasbestostest.com, Email:admin@seattleasbestostest.com

PLM by Point Count (400 points)

Attention: Mark Hiley

Client: PBS Engineering and Environmental, Seattle

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

Client Job #: 40573.247

Laboratory Batch #: 202211840

Date Received: 1/24/2023

Samples Received: 18

Date Analyzed: 1/24/2023

Project: Kirkland Heights Apartments25 Buildings

Sample Requested for Point Count 41Previous Analytical Information

Previously Analyzed by: Cici Xu

Previous Batch #: 202211836

Previous Lab ID: 41

Previous Description: White powdery material with paint

Layer to be Point Counted: 1

Asbestos Type Found: Chrysotile

Asbestos Percentage Found: 2

Point Count Analytical Procedures

New Lab ID: 12

	Asbestos Points	Non-Asbestos Points	Total Points Counted
Slide 1	0	50	50
Slide 2	0	50	50
Slide 3	0	50	50
Slide 4	0	50	50
Slide 5	1	49	50
Slide 6	1	49	50
Slide 7	0	50	50
Slide 8	0	50	50
Total	2	398	400

Point Count Summary Results

Type of Asbestos: Chrysotile

Percentage of Asbestos: 0.5%

Analyzed By: Cici Xu

Reviewed by: Steve Zhang, President

SEATTLE ASBESTOS TEST

NVLAP Accreditation Lab Codes: 200768

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Website:www.seattleasbestostest.com, Email:admin@seattleasbestostest.com

PLM by Point Count (400 points)

Attention: Mark Hiley

Client: PBS Engineering and Environmental, Seattle

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

Client Job #: 40573.247

Laboratory Batch #: 202211840

Date Received: 1/24/2023

Samples Received: 18

Date Analyzed: 1/24/2023

Project: Kirkland Heights Apartments 25 Buildings

Sample Requested for Point Count 42Previous Analytical Information

Previously Analyzed by: Cici Xu

Previous Batch #: 202211836

Previous Lab ID: 42

Previous Description: White powdery material with paint

Layer to be Point Counted: 1

Asbestos Type Found: Chrysotile

Asbestos Percentage Found: 2

Point Count Analytical Procedures

New Lab ID: 13

	Asbestos Points	Non-Asbestos Points	Total Points Counted
Slide 1	0	50	50
Slide 2	0	50	50
Slide 3	1	49	50
Slide 4	0	50	50
Slide 5	1	49	50
Slide 6	0	50	50
Slide 7	0	50	50
Slide 8	1	49	50
Total	3	397	400

Point Count Summary Results

Type of Asbestos: Chrysotile

Percentage of Asbestos: 0.75%

Analyzed By: Cici Xu

Reviewed by: Steve Zhang, President

SEATTLE ASBESTOS TEST

NVLAP Accreditation Lab Codes: 200768

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Website:www.seattleasbestostest.com, Email:admin@seattleasbestostest.com

PLM by Point Count (400 points)

Attention: Mark Hiley

Client: PBS Engineering and Environmental, Seattle

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

Client Job #: 40573.247

Laboratory Batch #: 202211840

Date Received: 1/24/2023

Samples Received: 18

Date Analyzed: 1/24/2023

Project: Kirkland Heights Apartments 25 Buildings

Sample Requested for Point Count 43Previous Analytical Information

Previously Analyzed by: Cici Xu

Previous Batch #: 202211836

Previous Lab ID: 43

Previous Description: White powdery material with paint

Layer to be Point Counted: 1

Asbestos Type Found: Chrysotile

Asbestos Percentage Found: 2

Point Count Analytical Procedures

New Lab ID: 14

	Asbestos Points	Non-Asbestos Points	Total Points Counted
Slide 1	1	49	50
Slide 2	0	50	50
Slide 3	0	50	50
Slide 4	0	50	50
Slide 5	0	50	50
Slide 6	1	49	50
Slide 7	0	50	50
Slide 8	0	50	50
Total	2	398	400

Point Count Summary Results

Type of Asbestos: Chrysotile

Percentage of Asbestos: 0.5%

Analyzed By: Cici Xu

Reviewed by: Steve Zhang, President

SEATTLE ASBESTOS TEST

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Website:www.seattleasbestostest.com, Email:admin@seattleasbestostest.com

PLM by Point Count (400 points)

Attention: Mark Hiley

Client: PBS Engineering and Environmental, Seattle

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

Client Job #: 40573.247

Laboratory Batch #: 202211840

Date Received: 1/24/2023

Samples Received: 18

Date Analyzed: 1/24/2023

Project: Kirkland Heights Apartments25 Buildings

Sample Requested for Point Count 44Previous Analytical Information

Previously Analyzed by: Cici Xu

Previous Batch #: 202211836

Previous Lab ID: 44

Previous Description: White powdery material with paint

Layer to be Point Counted: 1

Asbestos Type Found: Chrysotile

Asbestos Percentage Found: 2

Point Count Analytical Procedures

New Lab ID: 15

	Asbestos Points	Non-Asbestos Points	Total Points Counted
Slide 1	0	50	50
Slide 2	0	50	50
Slide 3	1	49	50
Slide 4	1	49	50
Slide 5	0	50	50
Slide 6	0	50	50
Slide 7	1	49	50
Slide 8	0	50	50
Total	3	397	400

Point Count Summary Results

Type of Asbestos: Chrysotile

Percentage of Asbestos: 0.75%

Analyzed By: Cici Xu

Reviewed by: Steve Zhang, President

SEATTLE ASBESTOS TEST

NVLAP Accreditation Lab Codes: 200768

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Website:www.seattleasbestostest.com, Email:admin@seattleasbestostest.com

PLM by Point Count (400 points)

Attention: Mark Hiley

Client: PBS Engineering and Environmental, Seattle

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

Client Job #: 40573.247

Laboratory Batch #: 202211840

Date Received: 1/24/2023

Samples Received: 18

Date Analyzed: 1/24/2023

Project: Kirkland Heights Apartments 25 Buildings

Sample Requested for Point Count 45Previous Analytical Information

Previously Analyzed by: Cici Xu

Previous Batch #: 202211836

Previous Lab ID: 45

Previous Description: White powdery material with paint

Layer to be Point Counted: 1

Asbestos Type Found: Chrysotile

Asbestos Percentage Found: 2

Point Count Analytical Procedures

New Lab ID: 16

	Asbestos Points	Non-Asbestos Points	Total Points Counted
Slide 1	0	50	50
Slide 2	0	50	50
Slide 3	0	50	50
Slide 4	1	49	50
Slide 5	0	50	50
Slide 6	0	50	50
Slide 7	0	50	50
Slide 8	1	49	50
Total	2	398	400

Point Count Summary Results

Type of Asbestos: Chrysotile

Percentage of Asbestos: 0.5%

Analyzed By: Cici Xu

Reviewed by: Steve Zhang, President

SEATTLE ASBESTOS TEST

NVLAP Accreditation Lab Codes: 200768

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Website:www.seattleasbestostest.com, Email:admin@seattleasbestostest.com

PLM by Point Count (400 points)

Attention: Mark Hiley

Client: PBS Engineering and Environmental, Seattle

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

Client Job #: 40573.247

Laboratory Batch #: 202211840

Date Received: 1/24/2023

Samples Received: 18

Date Analyzed: 1/24/2023

Project: Kirkland Heights Apartments25 Buildings

Sample Requested for Point Count 46Previous Analytical Information

Previously Analyzed by: Cici Xu

Previous Batch #: 202211836

Previous Lab ID: 46

Previous Description: White powdery material with paint

Layer to be Point Counted: 1

Asbestos Type Found: Chrysotile

Asbestos Percentage Found: 2

Point Count Analytical Procedures

New Lab ID: 17

	Asbestos Points	Non-Asbestos Points	Total Points Counted
Slide 1	1	49	50
Slide 2	1	49	50
Slide 3	0	50	50
Slide 4	0	50	50
Slide 5	0	50	50
Slide 6	0	50	50
Slide 7	0	50	50
Slide 8	0	50	50
Total	2	398	400

Point Count Summary Results

Type of Asbestos: Chrysotile

Percentage of Asbestos: 0.5%

Analyzed By: Cici Xu

Reviewed by: Steve Zhang, President

SEATTLE ASBESTOS TEST

NVLAP Accreditation Lab Codes: 200768

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PLM by Point Count (400 points)

Attention: Mark Hiley

Client: PBS Engineering and Environmental, Seattle

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

Client Job #: 40573.247

Laboratory Batch #: 202211840

Date Received: 1/24/2023

Samples Received: 18

Date Analyzed: 1/24/2023

Project: Kirkland Heights Apartments25 Buildings

Sample Requested for Point Count 47Previous Analytical Information

Previously Analyzed by: Cici Xu

Previous Batch #: 202211836

Previous Lab ID: 47

Previous Description: White powdery material with paint

Layer to be Point Counted: 1

Asbestos Type Found: Chrysotile

Asbestos Percentage Found: 2

Point Count Analytical Procedures

New Lab ID: 18

	Asbestos Points	Non-Asbestos Points	Total Points Counted
Slide 1	0	50	50
Slide 2	0	50	50
Slide 3	0	50	50
Slide 4	1	49	50
Slide 5	1	49	50
Slide 6	0	50	50
Slide 7	0	50	50
Slide 8	0	50	50
Total	2	398	400

Point Count Summary Results

Type of Asbestos: Chrysotile

Percentage of Asbestos: 0.5%

Analyzed By: Cici Xu

Reviewed by: Steve Zhang, President

SEATTLE ASBESTOS TEST

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Website:www.seattleasbestostest.com, Email:admin@seattleasbestostest.com

PLM by Point Count (400 points)

Attention: Mark Hiley

Client: PBS Engineering and Environmental, Seattle

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

Client Job #: 40573.247

Laboratory Batch #: 202211840

Date Received: 1/24/2023

Samples Received: 18

Date Analyzed: 1/24/2023

Project: Kirkland Heights Apartments 25 Buildings

Sample Requested for Point Count 48Previous Analytical Information

Previously Analyzed by: Cici Xu

Previous Batch #: 202211836

Previous Lab ID: 48

Previous Description: White powdery material with paint

Layer to be Point Counted: 1

Asbestos Type Found: Chrysotile

Asbestos Percentage Found: 2

Point Count Analytical Procedures

New Lab ID: 19

	Asbestos Points	Non-Asbestos Points	Total Points Counted
Slide 1	1	49	50
Slide 2	1	49	50
Slide 3	0	50	50
Slide 4	0	50	50
Slide 5	0	50	50
Slide 6	1	49	50
Slide 7	0	50	50
Slide 8	0	50	50
Total	3	397	400

Point Count Summary Results

Type of Asbestos: Chrysotile

Percentage of Asbestos: 0.75%

Analyzed By: Cici Xu

Reviewed by: Steve Zhang, President

SEATTLE ASBESTOS TEST, LLC

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Project Manager: Mark Hiley
Client: PBS Engineering and Environmental, Seattle
Address: 214 E Galer Street, Suite 300, Seattle, WA
98102
Tel: 206.233.9639
Date Report Issued: 9/26/1899

Date Analyzed: 1/23/2023
Client Job#: 40573.247
Project Location: Kirkland Heights Apartments25
Buildings
Laboratory batch#: 202211835
Samples Received: 17

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



202211835
LABORATORY CHAIN OF CUSTODY

Project: Kirkland Heights Apartments 25 Buildings

Project #: 40573.247 Page 1 of 3

Analysis requested: PLM

Date: 1/17/2023

Relinquished by/Signature: *Claire Tsai*

Date/Time: 1/20/23

Received by/Signature: *[Signature]*

Date/Time: 1/23/23 15:50

Email ALL INVOICES to: seattleap@pbsusa.com

E-mail results to:

- ☐ Willem Mager
☐ Gregg Middaugh
☒ Mark Hiley
☐ Tim Ogden
☐ Ryan Hunter
☐ Prudy Stoudt-McRae
☐ Janet Murphy

- ☐ Allison Welch
☐ Toan Nguyen
☐ Peter Stensland
☒ Claire Tsai
☐ Holly Tuttle
☐ Mike Smith
☐ Ferman Fletcher

- ☐ Cameron Budnick
☐ Mae Reilly
☐ Nick San
☐ Kameron DeMonnin

TURN AROUND TIME:

- ☐ 1 Hour
☐ 2 Hours
☐ 4 Hours

- ☐ 24 Hours
☐ 48 Hours

- ☒ 4 Days
☐ Other _____

SAMPLE DATA FORM

Sample #	Material	Location	Lab
56	Grey/ green vinyl floor tile Black mastic	22A hall	SAT
57	Beige textured vinyl floor tile black mastic	21D hall under carpet	
58	Vinyl floor tile Black mastic White and Grey leveling compound	20E restroom under 12" tile pattern sheet vinyl flooring	
59	Beige vinyl floor tile White leveling compound Black mastic	16H hall under carpet	
60	Beige textured vinyl floor tile	11D hall under carpet	
61	Yellow carpet mastic Vinyl floor tile Black mastic	13A hall closet under carpet	
62	Vinyl floor tile Black mastic	2H hall closet	
63	Brown mastic below carpet pad	7A bedroom	
64	Yellow mastic below carpet pad	10B bedroom	
65	Yellow mastic below carpet pad	2H bedroom	
66	White leveling compound and carpet pad adhesive	1G Bedroom	
67	Grey leveling compound	11D living room under carpet	
68	Green mastic grey leveling compound	18A restroom below wood sheet vinyl flooring	
69	Grey leveling compound	4E living room under wood sheet vinyl flooring	
70	Grout associated with 1" glass back splash tile	6D kitchen	



202211835
LABORATORY CHAIN OF CUSTODY

Project: Kirkland Heights Apartments 25 Buildings

Project #: 40573.247 Page 2 of 3

SAMPLE DATA FORM

Sample #	Material	Location	Lab
71	1" ceramic floor tile Grout	18A restroom below wood sheet vinyl flooring	
72	Heat shield	1G entry light	
73	White doorframe caulk	1G sliding glass door	
74	White window caulk	6D kitchen	
75	4" cream vinyl cove base Cream mastic	1A entry	
76	4" tan vinyl cove base Cream mastic	1G bedroom	
77	4" cream vinyl cove base Cream mastic	6D restroom	
78	4" beige vinyl cove base Tan mastic	7F restroom	
79	4" cream vinyl cove base Yellow mastic	10E kitchen	
80	4" tan vinyl cove base Cream mastic	16C bedroom	
81	4" cream vinyl cove base Cream mastic	21D hall	
82	4" tan vinyl cove base Cream mastic	24A restroom	
83	Grey sink undercoat	5E kitchen	
84	Grey sink undercoat	11D kitchen	
85	Grey sink undercoat	12E kitchen	
86	Grey sink undercoat	18F kitchen	
87	Grey sink undercoat	22A kitchen	
88	White sink undercoat	2H kitchen	
89	White sink undercoat	13G kitchen	
90	White sink undercoat	21D kitchen	
91	White sink undercoat	25D kitchen	
92	Black sink undercoat	16H kitchen	
93	Black sink undercoat	10E kitchen	
94	Black sink undercoat	13A kitchen	
95	Black sink undercoat	1A kitchen	
96	Black sink undercoat	5C kitchen	
97	Grey sink undercoat and acoustical pad	1G kitchen	
98	Grey sink undercoat and acoustical pad	4E kitchen	
99	Grey sink undercoat and acoustical pad	10B kitchen	
100	Grey sink undercoat and acoustical pad	18A kitchen	
101	White sink undercoat Black acoustical pad	3A kitchen	
102	Grey sink undercoat and acoustical pad	6G kitchen	



202211835
LABORATORY CHAIN OF CUSTODY

Project: Kirkland Heights Apartments 25 Buildings

Project #: 40573.247 Page 3 of 3

SAMPLE DATA FORM

Sample #	Material	Location	Lab
103	White sink undercoat Black acoustical pad	14E kitchen	
104	White sink undercoat Black acoustical pad	24G kitchen	

SEATTLE ASBESTOS TEST

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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.: Mark Hiley

Client: PBS Engineering and
Environmental, Seattle

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

Job#: 40573.247

Batch#: 202211835

Date Received: 1/23/2023

Samples Rec'd: 49

Date Analyzed: 1/23/2023

Samples Analyzed: 49

Project Loc.: Kirkland Heights Apartments25
Buildings

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	56	1	Gray/green tile	2	Chrysotile	Vinyl/binder, Mineral grains	2	Cellulose
		2	Black mastic	2	Chrysotile	Mastic/binder	4	Cellulose
2	57	1	Beige tile	2	Chrysotile	Vinyl/binder, Mineral grains	2	Cellulose
		2	Black mastic	2	Chrysotile	Mastic/binder	4	Cellulose
3	58	1	White tile	2	Chrysotile	Vinyl/binder, Mineral grains	3	Cellulose
		2	Black mastic	2	Chrysotile	Mastic/binder	4	Cellulose
		3	White/gray brittle material		None detected	Filler, Binder	2	Cellulose
4	59	1	Beige tile	2	Chrysotile	Vinyl/binder, Mineral grains	3	Cellulose
		2	Black mastic	2	Chrysotile	Mastic/binder	4	Cellulose
		3	White brittle material		None detected	Filler, Binder	2	Cellulose
5	60	1	Beige tile	2	Chrysotile	Vinyl/binder, Mineral grains	3	Cellulose
		2	Clear mastic		None detected	Mastic/binder	3	Cellulose
		3	Gray sandy/brittle material		None detected	Sand, Filler, Binder	3	Cellulose
6	61	1	Yellow mastic		None detected	Mastic/binder	5	Synthetic fibers, Cellulose
		2	Beige tile	2	Chrysotile	Vinyl/binder, Mineral grains	3	Cellulose
		3	Black mastic	2	Chrysotile	Mastic/binder	4	Cellulose
7	62	1	Beige tile	2	Chrysotile	Vinyl/binder, Mineral grains	3	Cellulose
		2	Black/yellow mastic		None detected	Mastic/binder	4	Cellulose
8	63	1	Brown mastic		None detected	Mastic/binder	5	Synthetic fibers, Cellulose
9	64	1	Yellow mastic		None detected	Mastic/binder	5	Synthetic fibers, Cellulose
10	65	1	Yellow mastic		None detected	Mastic/binder	5	Synthetic fibers, Cellulose
11	66	1	White brittle material		None detected	Filler, Binder	2	Cellulose
12	67	1	Gray brittle material		None detected	Filler, Binder	2	Cellulose
13	68	1	Green mastic		None detected	Mastic/binder	5	Cellulose
		2	Gray brittle material		None detected	Filler, Binder	2	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

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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.: Mark Hiley

Client: PBS Engineering and Environmental, Seattle

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

Job#: 40573.247

Batch#: 202211835

Date Received: 1/23/2023

Samples Rec'd: 49

Date Analyzed: 1/23/2023

Samples Analyzed: 49

Project Loc.: Kirkland Heights Apartments25 Buildings

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
14	69	1	Gray brittle material		None detected	Filler, Binder	3	Cellulose
15	70	1	White sandy/brittle material		None detected	Sand, Filler, Binder	3	Cellulose
16	71	1	White ceramic		None detected	Ceramic/binder		None detected
		2	White brittle/sandy material		None detected	Binder, Sand	2	Cellulose
		3	Clear mastic		None detected	Mastic/binder	2	Cellulose
17	72	1	Silver foil		None detected	Foil/binder		None detected
		2	White fibrous material		None detected	Filler	90	Glass fibers
18	73	1	White soft/elastic material		None detected	Binder, Filler	4	Cellulose
19	74	1	White soft/elastic material		None detected	Binder, Filler	5	Cellulose
20	75	1	Cream rubbery material		None detected	Rubber/binder	2	Cellulose
		2	Cream mastic		None detected	Mastic/binder	2	Cellulose
21	76	1	Tan rubbery material		None detected	Rubber/binder	2	Cellulose
		2	Cream mastic		None detected	Mastic/binder	3	Cellulose
22	77	1	Cream rubbery material		None detected	Rubber/binder	3	Cellulose
		2	Cream mastic		None detected	Mastic/binder	4	Cellulose
23	78	1	Beige rubbery material		None detected	Rubber/binder	2	Cellulose
		2	Tan mastic		None detected	Mastic/binder	2	Cellulose
24	79	1	Cream rubbery material		None detected	Rubber/binder	3	Cellulose
		2	Yellow mastic		None detected	Mastic/binder	3	Cellulose
25	80	1	Tan rubbery material		None detected	Rubber/binder	3	Cellulose
		2	Cream mastic		None detected	Mastic/binder	3	Cellulose
26	81	1	Cream rubbery material		None detected	Rubber/binder	2	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

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ANALYTICAL LABORATORY REPORT

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Client: PBS Engineering and Environmental, Seattle

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

Job#: 40573.247

Batch#: 202211835

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Date Analyzed: 1/23/2023

Samples Analyzed: 49

Project Loc.: Kirkland Heights Apartments25 Buildings

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
26	81	2	Cream mastic		None detected	Mastic/binder	2	Cellulose
27	82	1	Tan rubbery material		None detected	Rubber/binder	3	Cellulose
		2	Cream mastic		None detected	Mastic/binder	3	Cellulose
28	83	1	Gray soft/loose material		None detected	Filler, Fine particles	5	Cellulose
29	84	1	Gray soft/loose material		None detected	Filler, Fine particles	5	Cellulose
30	85	1	Gray soft/loose material		None detected	Filler, Fine particles	4	Cellulose
31	86	1	Gray soft/loose material		None detected	Filler, Fine particles	5	Cellulose
32	87	1	Gray soft/loose material		None detected	Filler, Fine particles	6	Cellulose
33	88	1	White soft/loose material		None detected	Filler, Fine particles	4	Cellulose
34	89	1	White soft/loose material		None detected	Filler, Fine particles	6	Cellulose
35	90	1	White soft/loose material		None detected	Filler, Fine particles	5	Cellulose
36	91	1	White soft/loose material		None detected	Filler, Fine particles	4	Cellulose
37	92	1	Black soft/loose material		None detected	Filler, Fine particles	5	Cellulose
38	93	1	Black soft/loose material		None detected	Filler, Fine particles	5	Cellulose
39	94	1	Black soft/loose material		None detected	Filler, Fine particles	6	Cellulose
40	95	1	Black soft/loose material		None detected	Filler, Fine particles	4	Cellulose
41	96	1	Black soft/loose material		None detected	Filler, Fine particles	5	Cellulose
42	97	1	Gray soft/elastic material		None detected	Binder, Filler	4	Cellulose
43	98	1	Gray soft/elastic material		None detected	Binder, Filler	3	Cellulose
44	99	1	Gray soft/elastic material		None detected	Binder, Filler	5	Cellulose
45	100	1	Gray soft/elastic material		None detected	Binder, Filler	4	Cellulose
46	101	1	White soft/loose material		None detected	Filler, Fine particles	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

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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;
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Attn.: Mark Hiley

Client: PBS Engineering and Environmental, Seattle

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

Job#: 40573.247

Batch#: 202211835

Date Received: 1/23/2023

Samples Rec'd: 49

Date Analyzed: 1/23/2023

Samples Analyzed: 49

Project Loc.: Kirkland Heights Apartments25 Buildings

Analyzed by: Steve (Fanyao) Zhang

Approved Signatory: Steve (Fanyao) Zhang, President

Steve Zhang

Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-fibrous Components	%	Non-asbestos Fibers
46	101	2	Black soft/elastic material		None detected	Binder, Filler	4	Cellulose
47	102	1	Gray soft/elastic material		None detected	Binder, Filler	5	Cellulose
48	103	1	White soft/loose material		None detected	Filler, Fine particles	3	Cellulose
		2	Black soft/elastic material		None detected	Binder, Filler	4	Cellulose
49	104	1	White soft/loose material		None detected	Filler, Fine particles	4	Cellulose
		2	Black soft/elastic material		None detected	Binder, Filler	5	Cellulose

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, admin@seattleasbestostest.com

Project Manager: Claire Tsai

Client: PBS Engineering and Environmental, Seattle

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

Tel: 206.233.9639

Date Report Issued: 1/27/2023

Date Analyzed: 1/27/2023

Client Job#: 40573.247

Project Location: Kirkland Heights Apartments 25 Buildings

Laboratory batch#: 202211851

Samples Received: 73

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



202211851
LABORATORY CHAIN OF CUSTODY

Project: Kirkland Heights Apartments 25 Buildings

Project #: 40573.247 Page 1 of 4

Analysis requested: PLM

Date: 1/23/2023

Relinq'd by/Signature: [Signature]

Date/Time: 1/25/2023

Received by/Signature: [Signature]

Date/Time: 1/26/23 14:30

Email ALL INVOICES to: seattleap@pbsusa.com

E-mail results to:

- ☐ Willem Mager
☐ Gregg Middaugh
☒ Mark Hiley
☐ Tim Ogden
☐ Ryan Hunter
☐ Prudy Stoudt-McRae
☐ Janet Murphy

- ☐ Allison Welch
☐ Toan Nguyen
☐ Peter Stensland
☒ Claire Tsai
☐ Holly Tuttle
☐ Mike Smith
☐ Ferman Fletcher

- ☐ Cameron Budnick
☐ Mae Reilly
☐ Nick San
☐ Kameron DeMonnin
☐

TURN AROUND TIME:

- ☐ 1 Hour
☐ 2 Hours
☐ 4 Hours

- ☐ 24 Hours
☒ 48 Hours

- ☐ 3 Days
☐ Other _____

SAMPLE DATA FORM

Sample #	Material	Location	Lab
105	12" tile pattern sheet vinyl flooring Black mastic	1A restroom on concrete	SAT
106	12" tile pattern sheet vinyl flooring Yellow mastic Black mastic	1A kitchen on concrete	
107	Wood pattern sheet vinyl flooring Green mastic Sheet vinyl flooring Yellow mastic Concrete	1G restroom	
108	Wood pattern sheet vinyl flooring Sheet vinyl flooring Black mastic Concrete	1G kitchen	
109	Wood pattern sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring Black mastic	2H kitchen	
110	Wood pattern sheet vinyl flooring Residual sheet vinyl flooring backing Black mastic	2H restroom	
111	12" tile pattern sheet vinyl flooring Grey leveling compound	2F restroom	
112	12" tile pattern sheet vinyl flooring Yellow mastic Grey leveling compound	2F kitchen	
113	Wood pattern sheet vinyl flooring	2F living room	
114	Wood pattern sheet vinyl flooring Sheet vinyl flooring Grey leveling compound	3A kitchen	
115	Wood pattern sheet vinyl flooring Sheet vinyl flooring Black mastic	3A hall	
116	Wood pattern sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring Black mastic	3A restroom	
117	12" tile pattern sheet vinyl flooring Black mastic Concrete	3G restroom	



202211851
LABORATORY CHAIN OF CUSTODY

Project: Kirkland Heights Apartments 25 Buildings

Project #: 40573.247 Page 2 of 4

SAMPLE DATA FORM			
Sample #	Material	Location	Lab
118	Yellow mastic Second layer sheet vinyl flooring Black mastic Concrete	3G kitchen	SAT
119	Grey wood pattern sheet vinyl flooring Black mastic	3G hall closet	
120	Grey wood pattern sheet vinyl flooring Concrete	3G	
121	Beige textured vinyl floor tile Black mastic	4B hall under two layers wood pattern sheet vinyl flooring	
122	Grey wood pattern sheet vinyl flooring Green Mastic Black mastic	4B restroom	
123	Second layer sheet vinyl flooring Black mastic	4E hall under wood pattern sheet vinyl flooring	
124	Wood pattern sheet vinyl flooring Sheet vinyl flooring Black mastic Concrete	4E kitchen	
125	Wood pattern sheet vinyl flooring Yellow Mastic Sheet vinyl flooring Black mastic	4E restroom	
126	Wood pattern sheet vinyl flooring Yellow mastic Grey leveling compound Black mastic	5C restroom	
127	Off-white sheet vinyl flooring	5C entry	
128	Off-white sheet vinyl flooring Grey leveling compound	5C hall	
129	12" tile pattern sheet vinyl flooring Yellow mastic Grey leveling compound Black mastic	5E kitchen	
130	12" tile pattern sheet vinyl flooring Sheet vinyl flooring Black mastic	5E restroom	
131	Wood pattern sheet vinyl flooring Black mastic	6D restroom	
132	Grey wood pattern sheet vinyl flooring	6G living on concrete	
133	12" vinyl floor tile Black mastic	7A hall closet	
134	6" tile pattern sheet vinyl flooring Sheet vinyl flooring Black mastic	7A kitchen	
135	6" tile pattern sheet vinyl flooring Sheet vinyl flooring Black mastic	7A restroom	
136	12" tile pattern sheet vinyl flooring Grey leveling compound Black mastic	7F restroom	
137	Grey wood pattern sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring Black mastic	10B restroom	
138	Grey wood pattern sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring	10B kitchen	
139	12" tile pattern sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring Black mastic Concrete	10E kitchen	
140	12" tile pattern sheet vinyl flooring Sheet vinyl flooring Black mastic Concrete	10E restroom	
141	Green mastic Second layer sheet vinyl flooring Black mastic Concrete	11D restroom	
142	6" tile pattern sheet vinyl flooring Sheet vinyl flooring beige textured vinyl floor tile Black mastic	11D kitchen below	
143	Black mastic Concrete	11G restroom below grey wood pattern sheet vinyl flooring	



202211851
LABORATORY CHAIN OF CUSTODY

Project: **Kirkland Heights Apartments 25 Buildings**

Project #: **40573.247**

Page 3 of 4

SAMPLE DATA FORM			
Sample #	Material	Location	Lab
144	Yellow mastic Sheet vinyl flooring Sheet vinyl flooring Black mastic	11G entry closet below grey wood pattern sheet vinyl flooring	SAT
145	12" tile pattern sheet vinyl flooring Sheet vinyl flooring Trace black mastic	12B restroom	
146	Grey wood pattern sheet vinyl flooring Sheet vinyl flooring Black mastic	12B hall	
147	12" tile pattern sheet vinyl flooring Yellow mastic Black mastic	13A restroom	
148	4" tile pattern sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring Vinyl floor tile Black mastic	13A kitchen	
149	Yellow mastic Sheet vinyl flooring Black mastic White leveling compound	13G restroom below wood pattern sheet vinyl flooring	
150	Yellow mastic Vinyl floor tile Black mastic	13G hall closet below wood pattern sheet vinyl flooring	
151	Sheet vinyl flooring Black mastic	13G entry below wood pattern sheet vinyl flooring	
152	Sheet vinyl flooring Cream mastic Grey leveling compound Black mastic	14E below wood pattern sheet vinyl flooring	
153	Third layer sheet vinyl flooring Black mastic	14C restroom below two layers grey wood pattern sheet vinyl flooring	
154	Grey wood pattern sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring Black mastic	14C kitchen	
155	12" tile pattern sheet vinyl flooring Residual black mastic	16C restroom	
156	Black Mastic	16C hall below wood pattern sheet vinyl flooring	
157	6" tile pattern sheet vinyl flooring Black mastic	16H restroom	
158	Cream mastic Grey leveling compound Sheet vinyl flooring Black mastic Concrete	16H kitchen below 6" tile pattern sheet vinyl flooring	
159	Second layer sheet vinyl flooring Black mastic	18A below wood pattern sheet vinyl flooring	
160	Second layer sheet vinyl flooring Black mastic	18A hall below wood pattern sheet vinyl flooring	
161	12" tile pattern sheet vinyl flooring Sheet vinyl flooring Black mastic	18F kitchen	
162	Yellow mastic Sheet vinyl flooring Sheet vinyl flooring Black mastic	18F restroom below 12" tile pattern sheet vinyl flooring	
163	Green mastic Sheet vinyl flooring Black mastic White leveling compound	12E restroom below wood pattern sheet vinyl flooring	
164	Green mastic Sheet vinyl flooring Yellow mastic Black mastic Concrete	12E kitchen below wood pattern sheet vinyl flooring	
165	Second layer sheet vinyl Yellow mastic Black mastic Grey leveling compound	20B hall below 12" tile pattern sheet vinyl flooring	
166	Second layer pebble pattern sheet vinyl flooring Black mastic	21D kitchen below 6" tile pattern sheet vinyl flooring	
167	6" tile pattern sheet vinyl flooring backing Yellow mastic Sheet vinyl flooring Black mastic	21D restroom	



202211851
LABORATORY CHAIN OF CUSTODY

Project: Kirkland Heights Apartments 25 Buildings

Project #: 40573.247 Page 4 of 4

SAMPLE DATA FORM

Sample #	Material	Location	Lab
168	Yellow mastic Pebble pattern sheet vinyl flooring Black mastic	22A restroom below 12" tile pattern sheet vinyl flooring	SAT
169	Second layer sheet vinyl flooring Black mastic	22A kitchen below 12" tile pattern sheet vinyl flooring	
170	Sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring Black mastic	22G restroom	
171	Wood pattern sheet vinyl flooring Grey leveling compound	22G living below carpet	
172	12" tile pattern sheet vinyl flooring Black mastic	24A restroom	
173	Second layer sheet vinyl flooring Black mastic	24A kitchen below wood pattern sheet vinyl flooring	
174	Black mastic	25D restroom below 12" tile pattern sheet vinyl flooring	
175	Beige sheet vinyl flooring Cream mastic	25D living below carpet	
176	Clear mastic Sheet vinyl flooring Grey leveling compound Black mastic White leveling compound	25F restroom	
177	Sheet vinyl flooring backing Black mastic White leveling compound	25F living under carpet	

SEATTLE ASBESTOS TEST

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ANALYTICAL LABORATORY REPORT

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

Attn.: Claire Tsai

Client: PBS Engineering and
Environmental, Seattle

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

Job#: 40573.247

Batch#: 202211851

Date Received: 1/26/2023

Samples Rec'd: 73

Date Analyzed: 1/27/2023

Samples Analyzed: 73

Project Loc.: Kirkland Heights Apartments 25
Buildings

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	105	1	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with black/yellow mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
2	106	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with black/yellow mastic		None detected	Binder/filler, Mastic/binder	64	Cellulose
3	107	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Green mastic		None detected	Mastic/binder	3	Cellulose
		3	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		4	Yellow mastic		None detected	Mastic/binder	3	Cellulose
		5	Gray sandy/brittle material		None detected	Sand, Filler, Binder	3	Cellulose
4	108	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Green mastic		None detected	Mastic/binder	3	Cellulose
		3	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		4	Yellow/black mastic	2	Chrysotile	Mastic/binder	4	Cellulose
		5	Gray sandy/brittle material		None detected	Sand, Filler, Binder	4	Cellulose
5	109	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Yellow mastic		None detected	Mastic/binder	3	Cellulose
		3	Off-white sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		5	Yellow sheet vinyl		None detected	Vinyl/binder		None detected

SEATTLE ASBESTOS TEST

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Buildings

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
5	109	6	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		7	Yellow/black mastic	2	Chrysotile	Mastic/binder	4	Cellulose
6	110	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Black mastic	4	Yellow/black mastic	2	Chry	Mastic/binder
		3	Gray sandy/brittle material		None detected	Sand, Filler, Binder	3	Cellulose
7	111	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	64	Cellulose
		3	Gray brittle material		None detected	Filler, Binder	2	Cellulose
8	112	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
9	113	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Yellow mastic		None detected	Mastic/binder	3	Cellulose
10	114	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		3	Yellow sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
11	115	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Yellow mastic		None detected	Mastic/binder	4	Cellulose
		3	Yellow sheet vinyl		None detected	Vinyl/binder		None detected

SEATTLE ASBESTOS TEST

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Date Analyzed: 1/27/2023

Samples Analyzed: 73

Project Loc.: Kirkland Heights Apartments 25 Buildings

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
11	115	4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		5	Yellow/black mastic	2	Chrysotile	Mastic/binder	4	Cellulose
12	116	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Yellow mastic		None detected	Mastic/binder	4	Cellulose
		3	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	66	Cellulose
		5	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		6	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		7	Yellow/black mastic	2	Chrysotile	Mastic/binder	4	Cellulose
13	117	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Yellow/black mastic	2	Chrysotile	Mastic/binder	4	Cellulose
		4	Gray sandy/brittle material		None detected	Sand, Filler, Binder	3	Cellulose
14	118	1	Yellow mastic		None detected	Mastic/binder	4	Cellulose
		2	White sheet vinyl		None detected	Vinyl/binder		None detected
		3	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		4	Yellow/black mastic	2	Chrysotile	Mastic/binder	4	Cellulose
		5	Gray sandy/brittle material		None detected	Sand, Filler, Binder	4	Cellulose
15	119	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected

SEATTLE ASBESTOS TEST

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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

Client: PBS Engineering and Environmental, Seattle

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

Job#: 40573.247

Batch#: 202211851

Date Received: 1/26/2023

Samples Rec'd: 73

Date Analyzed: 1/27/2023

Samples Analyzed: 73

Project Loc.: Kirkland Heights Apartments 25 Buildings

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
15	119	2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Yellow/black mastic	2	Chrysotile	Mastic/binder	4	Cellulose
16	120	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	64	Cellulose
		3	Gray sandy/brittle material		None detected	Sand, Filler, Binder	4	Cellulose
17	121	1	Beige tile	2	Chrysotile	Vinyl/binder, Mineral grains	2	Cellulose
		2	Black mastic	3	Chrysotile	Mastic/binder	4	Cellulose
18	122	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Green/black mastic	2	Chrysotile	Mastic/binder	4	Cellulose
		3	Gray sandy/brittle material		None detected	Sand, Filler, Binder	4	Cellulose
19	123	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Black mastic	2	Chrysotile	Mastic/binder	4	Cellulose
20	124	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Yellow mastic		None detected	Mastic/binder	3	Cellulose
		3	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		5	Black mastic	2	Chrysotile	Mastic/binder	4	Cellulose
		6	Gray sandy/brittle material		None detected	Sand, Filler, Binder	3	Cellulose
21	125	1	Gray 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

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Project Loc.: Kirkland Heights Apartments 25
Buildings

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
21	125	3	Yellow/black mastic	2	Chrysotile	Mastic/binder	4	Cellulose
22	126	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Yellow mastic		None detected	Mastic/binder	3	Cellulose
		3	Gray sandy/brittle material		None detected	Sand, Filler, Binder	3	Cellulose
		4	Trace black mastic		None detected	Mastic/binder	3	Cellulose
23	127	1	Off-white sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
24	128	1	Off-white sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	66	Cellulose
		3	Gray sandy/brittle material		None detected	Sand, Filler, Binder	4	Cellulose
25	129	1	Off-white sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with yellow mastic		None detected	Binder/filler, Mastic/binder	66	Cellulose
		3	Gray sandy/brittle material		None detected	Sand, Filler, Binder	4	Cellulose
		4	Trace black mastic		None detected	Mastic/binder	3	Cellulose
26	130	1	Off-white sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Gray sandy/brittle material		None detected	Sand, Filler, Binder	4	Cellulose
		4	Gray fibrous material with black mastic	50	Chrysotile	Binder/filler, Mastic/binder	35	Cellulose
27	131	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Yellow/black mastic	2	Chrysotile	Mastic/binder	3	Cellulose

SEATTLE ASBESTOS TEST

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Samples Analyzed: 73

Project Loc.: Kirkland Heights Apartments 25
Buildings

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
28	132	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Trace yellow/black mastic		None detected	Mastic/binder	2	Cellulose
29	133	1	Beige tile		None detected	Vinyl/binder, Mineral grains	2	Cellulose
		2	Trace black mastic		None detected	Mastic/binder	4	Cellulose
30	134	1	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with 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		None detected	Binder/filler, Mastic/binder	65	Cellulose
		5	Black mastic	2	Chrysotile	Mastic/binder	4	Cellulose
31	135	1	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	64	Cellulose
		3	Yellow sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		5	Black mastic	2	Chrysotile	Mastic/binder	3	Cellulose
32	136	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Clear mastic		None detected	Mastic/binder	3	Cellulose
		3	Gray brittle material		None detected	Filler, Binder	2	Cellulose
		4	Black mastic	2	Chrysotile	Mastic/binder	3	Cellulose
33	137	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	64	Cellulose
		3	Beige sheet vinyl		None detected	Vinyl/binder		None detected

SEATTLE ASBESTOS TEST

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Samples Analyzed: 73

Project Loc.: Kirkland Heights Apartments 25 Buildings

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
33	137	4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		5	Yellow sheet vinyl		None detected	Vinyl/binder		None detected
		6	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	64	Cellulose
		7	Gray brittle material		None detected	Filler, Binder	2	Cellulose
		8	Black mastic	2	Chrysotile	Mastic/binder	3	Cellulose
34	138	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	64	Cellulose
		3	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		5	Black mastic	2	Chrysotile	Mastic/binder	3	Cellulose
35	139	1	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		2	Yellow mastic		None detected	Mastic/binder	3	Cellulose
		3	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		5	Yellow sheet vinyl		None detected	Vinyl/binder		None detected
		6	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	64	Cellulose
		7	Gray sandy/brittle material		None detected	Sand, Filler, Binder	3	Cellulose
		8	Black mastic	2	Chrysotile	Mastic/binder	3	Cellulose
36	140	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Yellow mastic		None detected	Mastic/binder	2	Cellulose
		3	Gray sheet vinyl		None detected	Vinyl/binder		None detected

SEATTLE ASBESTOS TEST

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Samples Analyzed: 73

Project Loc.: Kirkland Heights Apartments 25 Buildings

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
36	140	4	Yellow mastic		None detected	Mastic/binder	3	Cellulose
		5	Gray sandy/brittle material		None detected	Sand, Filler, Binder	4	Cellulose
		6	Black mastic	2	Chrysotile	Mastic/binder	3	Cellulose
37	141	1	Green mastic		None detected	Mastic/binder	5	Synthetic fibers, Cellulose
		2	Off-white sheet vinyl		None detected	Vinyl/binder		None detected
		3	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		4	Gray sandy/brittle material		None detected	Sand, Filler, Binder	4	Cellulose
		5	Black mastic	2	Chrysotile	Mastic/binder	3	Cellulose
38	142	1	Off-white sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	64	Cellulose
		3	Beige tile	2	Chrysotile	Vinyl/binder, Mineral grains	2	Cellulose
		4	Black mastic	2	Chrysotile	Mastic/binder	4	Cellulose
39	143	1	Black mastic	3	Chrysotile	Mastic/binder	4	Cellulose
		2	Gray sandy/brittle material		None detected	Sand, Filler, Binder	4	Cellulose
40	144	1	Yellow mastic		None detected	Mastic/binder	5	Synthetic fibers, Cellulose
		2	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		3	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	64	Cellulose
		4	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		5	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		6	Black mastic	2	Chrysotile	Mastic/binder	3	Cellulose
41	145	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	64	Cellulose

SEATTLE ASBESTOS TEST

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Project Loc.: Kirkland Heights Apartments 25
Buildings

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
41	145	3	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		5	Black mastic	2	Chrysotile	Mastic/binder	3	Cellulose
42	146	1	White mastic		None detected	Mastic/binder	4	Cellulose
		2	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		3	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	64	Cellulose
		4	Black mastic	2	Chrysotile	Mastic/binder	3	Cellulose
43	147	1	White soft/elastic material		None detected	Binder, Filler	4	Cellulose
		2	White sheet vinyl		None detected	Vinyl/binder		None detected
		3	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	64	Cellulose
		4	Black mastic	2	Chrysotile	Mastic/binder	3	Cellulose
44	148	1	White sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		5	Beige tile		None detected	Vinyl/binder, Mineral grains	2	Cellulose
		6	Black mastic	2	Chrysotile	Mastic/binder	4	Cellulose
45	149	1	Yellow mastic		None detected	Mastic/binder	4	Cellulose
		2	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		3	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		4	Black/yellow mastic	2	Chrysotile	Mastic/binder	3	Cellulose

SEATTLE ASBESTOS TEST

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Approved Signatory: Steve (Fanyao) Zhang, President

Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-fibrous Components	%	Non-asbestos Fibers
46	150	1	Yellow mastic		None detected	Mastic/binder	4	Cellulose
		2	Beige tile	2	Chrysotile	Vinyl/binder, Mineral grains	2	Cellulose
		3	Black mastic	2	Chrysotile	Mastic/binder	4	Cellulose
47	151	1	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Black mastic	2	Chrysotile	Mastic/binder	4	Cellulose
48	152	1	Cream sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Gray sandy/brittle material		None detected	Sand, Filler, Binder	4	Cellulose
		4	Black mastic	2	Chrysotile	Mastic/binder	3	Cellulose
49	153	1	Clear mastic		None detected	Mastic/binder	4	Cellulose
		2	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		3	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		4	Gray sandy/brittle material		None detected	Sand, Filler, Binder	4	Cellulose
		5	Black mastic	2	Chrysotile	Mastic/binder	3	Cellulose
50	154	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Green mastic		None detected	Mastic/binder	3	Cellulose
		3	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		4	Clear mastic		None detected	Mastic/binder	2	Cellulose
		5	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		6	Clear mastic		None detected	Mastic/binder	3	Cellulose
		7	Gray sandy/brittle material		None detected	Sand, Filler, Binder	4	Cellulose
		8	Black mastic	2	Chrysotile	Mastic/binder	3	Cellulose

SEATTLE ASBESTOS TEST

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Approved Signatory: Steve (Fanyao) Zhang, President

SL Zhang

Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-fibrous Components	%	Non-asbestos Fibers
51	155	1	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	55	Cellulose
		2	Gray sandy/brittle material		None detected	Sand, Filler, Binder	3	Cellulose
		3	Black mastic	2	Chrysotile	Mastic/binder	4	Cellulose
52	156	1	Black mastic	2	Chrysotile	Mastic/binder	4	Cellulose
53	157	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Black mastic	2	Chrysotile	Mastic/binder	4	Cellulose
54	158	1	Cream mastic		None detected	Mastic/binder	4	Cellulose
		2	Yellow sheet vinyl		None detected	Vinyl/binder		None detected
		3	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	66	Cellulose
		4	Black mastic	3	Chrysotile	Mastic/binder	4	Cellulose
		5	Gray sandy/brittle material		None detected	Sand, Filler, Binder	3	Cellulose
55	159	1	Green mastic		None detected	Mastic/binder	4	Cellulose
		2	Off-white sheet vinyl		None detected	Vinyl/binder		None detected
		3	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		4	Black mastic	3	Chrysotile	Mastic/binder	4	Cellulose
56	160	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Black mastic	3	Chrysotile	Mastic/binder	4	Cellulose
57	161	1	Yellow sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	64	Cellulose
		3	Yellow sheet vinyl		None detected	Vinyl/binder		None detected

SEATTLE ASBESTOS TEST

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Approved Signatory: Steve (Fanyao) Zhang, President

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57	161	4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		5	Black mastic	2	Chrysotile	Mastic/binder	3	Cellulose
58	162	1	Yellow mastic		None detected	Mastic/binder	4	Cellulose
		2	Yellow sheet vinyl		None detected	Vinyl/binder		None detected
		3	Yellow mastic		None detected	Mastic/binder	4	Cellulose
		4	Yellow sheet vinyl		None detected	Vinyl/binder		None detected
		5	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	64	Cellulose
		6	Black mastic	2	Chrysotile	Mastic/binder	3	Cellulose
59	163	1	Green mastic		None detected	Mastic/binder	4	Cellulose
		2	Yellow sheet vinyl		None detected	Vinyl/binder		None detected
		3	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	64	Cellulose
		4	White brittle material		None detected	Filler, Binder	2	Cellulose
		5	Black mastic	2	Chrysotile	Mastic/binder	3	Cellulose
60	164	1	Green mastic		None detected	Mastic/binder	4	Cellulose
		2	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		3	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		4	White brittle material		None detected	Filler, Binder	2	Cellulose
		5	Black mastic	2	Chrysotile	Mastic/binder	3	Cellulose
61	165	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Yellow/black mastic	2	Chrysotile	Mastic/binder	3	Cellulose
		4	Gray sandy/brittle material		None detected	Sand, Filler, 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

Client: PBS Engineering and Environmental, Seattle

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

Job#: 40573.247

Batch#: 202211851

Date Received: 1/26/2023

Samples Rec'd: 73

Date Analyzed: 1/27/2023

Samples Analyzed: 73

Project Loc.: Kirkland Heights Apartments 25 Buildings

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
62	166	1	White sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	66	Cellulose
		3	Yellow/black mastic	2	Chrysotile	Mastic/binder	4	Cellulose
63	167	1	White sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	66	Cellulose
		3	Yellow/black mastic	2	Chrysotile	Mastic/binder	4	Cellulose
		4	Gray sandy/brittle material		None detected	Sand, Filler, Binder	3	Cellulose
64	168	1	Yellow mastic		None detected	Mastic/binder	4	Cellulose
		2	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		3	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		4	Black mastic	2	Chrysotile	Mastic/binder	3	Cellulose
65	169	1	Yellow mastic		None detected	Mastic/binder	4	Cellulose
		2	White sheet vinyl		None detected	Vinyl/binder		None detected
		3	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		4	Black mastic	2	Chrysotile	Mastic/binder	3	Cellulose
66	170	1	White sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		3	Gray brittle material		None detected	Filler, Binder	2	Cellulose
		4	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		5	Gray fibrous material with black mastic	50	Chrysotile	Binder/filler, Mastic/binder	35	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

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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

Client: PBS Engineering and Environmental, Seattle

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

Job#: 40573.247

Batch#: 202211851

Date Received: 1/26/2023

Samples Rec'd: 73

Date Analyzed: 1/27/2023

Samples Analyzed: 73

Project Loc.: Kirkland Heights Apartments 25 Buildings

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
67	171	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Green mastic		None detected	Mastic/binder	3	Cellulose
		3	Gray brittle material		None detected	Filler, Binder	2	Cellulose
		4	Black mastic	2	Chrysotile	Mastic/binder	3	Cellulose
68	172	1	Gray fibrous material with yellow mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		2	Gray brittle material		None detected	Filler, Binder	2	Cellulose
		3	Black mastic	2	Chrysotile	Mastic/binder	4	Cellulose
69	173	1	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Black mastic	2	Chrysotile	Mastic/binder	4	Cellulose
70	174	1	Black mastic	2	Chrysotile	Mastic/binder	2	Cellulose
71	175	1	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with cream mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
72	176	1	Clear mastic		None detected	Mastic/binder	4	Cellulose
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	White brittle material		None detected	Filler, Binder	2	Cellulose
		4	Black mastic	2	Chrysotile	Mastic/binder	4	Cellulose
73	177	1	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		3	White brittle material		None detected	Filler, Binder	2	Cellulose
		4	Black mastic	2	Chrysotile	Mastic/binder	4	Cellulose

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, admin@seattleasbestostest.com

Project Manager: Claire Tsai
Client: PBS Engineering and Environmental, Seattle
Address: 214 E Galer Street, Suite 300, Seattle, WA 98102
Tel: 206.233.9639
Date Report Issued: 1/26/2023

Date Analyzed: 1/26/2023
Client Job#: 40573.247
Project Location: Kirkland Heights Apartments 25 Buildings Exteriors and Roof
Laboratory batch#: 202211852
Samples Received: 18

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

202211852
LABORATORY CHAIN OF CUSTODYProject: Kirkland Heights Apartments 25 Buildings Exteriors and roofProject #: 40573.247 Page 1 of 2Analysis requested: PLMDate: 1/23/2023Relinquished by/Signature: *Cameron J. Budnick*Date/Time: 1/26/23 14:30Received by/Signature: *[Signature]*Email ALL INVOICES to: seattleap@pbsusa.com

E-mail results to:

- ☐ Willem Mager
☐ Gregg Middaugh
☒ Mark Hiley
☐ Tim Ogden
☐ Ryan Hunter
☐ Prudy Stoudt-McRae
☐ Janet Murphy

- ☐ Allison Welch
☐ Toan Nguyen
☐ Peter Stensland
☒ Claire Tsai
☐ Holly Tuttle
☐ Mike Smith
☐ Ferman Fletcher

- ☐ Cameron Budnick
☐ Mae Reilly
☐ Nick San
☐ Kameron DeMonnin
☐ _____

TURN AROUND TIME:

- ☐ 1 Hour
☐ 2 Hours
☐ 4 Hours

- ☐ 24 Hours
☒ 48 Hours

- ☐ 3 Days
☐ Other _____

SAMPLE DATA FORM

Sample #	Material	Location	Lab
178	Black vapor barrier	Laundry building below siding	SAT
179	Black vapor barrier	Building 1 below siding	
180	Black vapor barrier	Building 7 below siding	
181	Black vapor barrier	Building 13 below siding	
182	Fiber board soffit	Building 1	
183	Fiber board soffit	Building 5	
184	Fiber board siding	Building 9	
185	White doorframe caulk	Maintenance shed	
186	White sealant	Building 5 roof vent	
187	White sealant	Building 13 square roof vent	
188	Black asphaltic material	Building 13 inside vent pipe	
189	White caulk	Building 20 square roof vent	
190	Membrane roof core	Building 5	
191	Membrane roof core	Building 11	
192	Membrane roof core	Building 13	
193	Membrane roof core	Building 20	
194	Membrane roof core	Building 23	



202211852
LABORATORY CHAIN OF CUSTODY

Project: Kirkland Heights Apartments 25 Buildings Exteriors and roof Project #: 40573.247 Page 2 of 2

SAMPLE DATA FORM			
Sample #	Material	Location	Lab
195	Asphaltic roof	Building 24	

SEATTLE ASBESTOS TEST

Lynnwood Laboratory: 19701 Scriber Lake Road, Suite 103, Lynnwood, WA 98036, Tel: 425.873.9850, Fax: 425.873.9810, NVLAP Lab Code: 200758-0

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 Client: PBS Engineering and Environmental, Seattle Address: 214 E Galer Street, Suite 300, Seattle, WA 98102

Job#: 40573.247 Batch#: 202211852 Date Received: 1/26/2023

Sample Rec'd: 18 Date Analyzed: 1/26/2023 Sample Analyzed: 18

Project Loc.: Kirkland Heights Apartments 25
Buildings Exteriors and Roof

Analyzed by: Steve (Fanyao) Zhang

Approved Signature:  Steve (Fanyao) Zhang, President

Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-fibrous Components	%	Non-asbestos Fibers
1	178	1	Black asphaltic fibrous material		None detected	Filler, Asphalt, Binder	67	Cellulose
2	179	1	Black asphaltic fibrous material		None detected	Filler, Asphalt, Binder	69	Cellulose
3	180	1	Black asphaltic fibrous material		None detected	Filler, Asphalt, Binder	68	Cellulose
4	181	1	Black asphaltic fibrous material		None detected	Filler, Asphalt, Binder	67	Cellulose
5	182	1	Brown fibrous material with paint		None detected	Filler, Paint	90	Cellulose
6	183	1	Brown fibrous material with paint		None detected	Filler, Paint	90	Cellulose
7	184	1	Brown fibrous material with paint		None detected	Filler, Paint	90	Cellulose
8	185	1	White soft/elastic material		None detected	Binder, Filler	4	Cellulose
9	186	1	White soft/elastic material		None detected	Binder, Filler	3	Cellulose
10	187	1	White soft/elastic material		None detected	Binder, Filler	5	Cellulose
11	188	1	Black asphaltic material		None detected	Asphalt/binder	7	Glass fibers
12	189	1	White soft/elastic material		None detected	Binder, Filler	4	Cellulose
13	190	1	White soft/elastic material with woven fibrous material		None detected	Binder, Filler	20	Synthetic fibers
		2	Clear mastic		None detected	Mastic/binder	3	Cellulose
		3	White powdery material with fibrous material		None detected	Binder/filler	15	Cellulose
		4	White chalky material with paper		None detected	Binder/filler, Gypsum/binder	25	Cellulose, Glass fibers
		5	White foamy material		None detected	Synthetic foam		None detected
14	191	1	White soft/elastic material with woven fibrous material		None detected	Binder, Filler	18	Synthetic fibers
		2	Clear mastic		None detected	Mastic/binder	4	Cellulose

SEATTLE ASBESTOS TEST

Lynnwood Laboratory: 19701 Scriber Lake Road, Suite 103, Lynnwood, WA 98038, Tel: 425.873.9850, Fax: 425.873.9810, NVLAP Lab Code: 200768-0

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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

Client: PBS Engineering and Environmental, Seattle

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

Job#: 40573.247

Batch#: 202211852

Date Received: 1/26/2023

Sample Rec'd: 18

Date Analyzed: 1/28/2023

Samples Analyzed: 18

Project Loc.: Kirkland Heights Apartments 25
Buildings Exteriors and Roof

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
14	191	3	White powdery material with fibrous material		None detected	Binder/filler	14	Cellulose
		4	White chalky material with paper		None detected	Binder/filler, Gypsum/binder	26	Cellulose, Glass fibers
		5	White foamy material		None detected	Synthetic foam		None detected
15	192	1	White soft/elastic material with woven fibrous material		None detected	Binder, Filler	19	Synthetic fibers
		2	Clear mastic		None detected	Mastic/binder	3	Cellulose
		3	White powdery material with fibrous material		None detected	Binder/filler	16	Cellulose
		4	White chalky material with paper		None detected	Binder/filler, Gypsum/binder	24	Cellulose, Glass fibers
		5	White foamy material		None detected	Synthetic foam		None detected
16	193	1	White soft/elastic material with woven fibrous material		None detected	Binder, Filler	21	Synthetic fibers
		2	Clear mastic		None detected	Mastic/binder	4	Cellulose
		3	White powdery material with fibrous material		None detected	Binder/filler	16	Cellulose
		4	White chalky material with paper		None detected	Binder/filler, Gypsum/binder	26	Cellulose, Glass fibers
		5	White foamy material		None detected	Synthetic foam		None detected
17	194	1	White soft/elastic material with woven fibrous material		None detected	Binder, Filler	21	Synthetic fibers
		2	Clear mastic		None detected	Mastic/binder	4	Cellulose
		3	White powdery material with fibrous material		None detected	Binder/filler	16	Cellulose
		4	White 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

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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-83/116: Method for the Determination of Asbestos in Bulk Building Materials

Attn: Claire Tsoi

Client: PBS Engineering and
Environmental, Seattle

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

Job#: 40573.247

Batch#: 202211852

Date Received: 1/26/2023

Sample Rec'd: 18

Date Analyzed: 1/28/2023

Samples Analyzed: 18

Project Loc: Kirkland Heights Apartments 25
Buildings Exteriors and Roof

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
18	195	1	Black asphaltic material		None detected	Asphalt/binder	15	Glass fibers
		2	Black asphaltic material with fibrous material		None detected	Asphalt/binder, Filler	30	Glass fibers, Cellulose
		3	Black asphaltic material		None detected	Asphalt/binder	3	Cellulose
		4	Black asphaltic material with fibrous material		None detected	Asphalt/binder, Filler	30	Glass fibers, Cellulose
		5	Black asphaltic material		None detected	Asphalt/binder	4	Cellulose

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, admin@seattleasbestostest.com

Project Manager: Mark Hiley	Date Analyzed: 3/8/2023
Client: PBS Engineering and Environmental, Seattle	Client Job#: 40573.247
Address: 214 E Galer Street, Suite 300, Seattle, WA 98102	Project Location: Kirkland Heights Apartments 25 Buildings
Tel: 206.233.9639	Laboratory batch#: 202212025
Date Report Issued: 3/9/2023	Samples Received: 238

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



202212025
LABORATORY CHAIN OF CUSTODY

Project: Kirkland Heights Apartments 25 Buildings

Project #: 40573.247 Page 1 of 11

Analysis requested: PLM

Date: 3/6/2023

Relinquished by/Signature: [Signature]

Date/Time: 3/6/23

Received by/Signature: [Signature]

Date/Time: 3/6/23 16:30

Email ALL INVOICES to: 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
☐ Holly Tuttle
☐ Ferman Fletcher
☐ Cameron Budnick

- ☒ Mae Reilly
☐ Nick San
☐ Kameron DeMonnin
☐ _____

TURN AROUND TIME:

- ☐ 1 Hour
☐ 2 Hours
☐ 4 Hours

- ☐ 24 Hours
☐ 48 Hours

- ☒ 3 Days
☐ Other _____

SAMPLE DATA FORM

Sample #	Material	Location	Lab
40573.247- 196	Wood pattern sheet vinyl flooring Tan mastic Black mastic Grey leveling compound	1B restroom	SAT
197	Second layer tan mastic Sheet vinyl flooring	1B kitchen below layer of wood pattern sheet vinyl flooring	
198	Wood pattern sheet vinyl flooring Sheet vinyl flooring Black mastic White leveling compound	1B hall	
199	12" tile pattern sheet vinyl flooring Grey leveling compound Sheet vinyl flooring Sheet vinyl flooring Tan Mastic	1C restroom	
200	Second layer grey sheet vinyl flooring Sheet vinyl flooring Cream mastic Black mastic Brown mastic on concrete	1C hall closet below 12" tile pattern sheet vinyl flooring	
201	Grey sheet vinyl flooring Sheet vinyl flooring Grey leveling compound Cream mastic Black mastic	1C hall	
202	12" tile pattern sheet vinyl flooring Black mastic Brown mastic on concrete	1D hall closet	
203	12" tile pattern sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring Vinyl floor tile Cream mastic Black mastic	1E restroom	
204	12" tile pattern sheet vinyl flooring Tan mastic Sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring Black mastic	1E kitchen	
205	12" tile pattern sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring Tan mastic Black mastic	1F restroom	
206	12" pattern sheet vinyl flooring Sheet vinyl flooring Black mastic Yellow mastic	1F kitchen	



202212025

LABORATORY CHAIN OF CUSTODY

Project: Kirkland Heights Apartments 25 BuildingsProject #: 40573.247 Page 2 of 11

SAMPLE DATA FORM

Sample #	Material	Location	Lab
207	Wood pattern sheet vinyl flooring Sheet vinyl flooring Vinyl floor tile Black mastic	1H kitchen	
208	12" pattern tile sheet vinyl flooring Sheet vinyl flooring Vinyl floor tile Black mastic	1H restroom	
209	6" tile pattern sheet vinyl flooring Sheet vinyl flooring Yellow mastic Black mastic	2A restroom	
210	Wood pattern sheet vinyl Green mastic Sheet vinyl flooring Yellow mastic Black mastic	2B restroom	
211	Wood pattern sheet vinyl flooring Green mastic Sheet vinyl flooring Yellow mastic Black mastic	2B hall closet	
212	Grey wood pattern sheet vinyl flooring Sheet vinyl flooring Black mastic	2B kitchen	
213	12" tile pattern sheet vinyl Black mastic	2C kitchen	
214	6" tile pattern sheet vinyl flooring Cream mastic Black mastic	2D kitchen	
215	Grey wood pattern sheet vinyl flooring Grey leveling compound on concrete	2E kitchen	
216	Wood pattern sheet vinyl flooring Black mastic Sheet vinyl flooring Sheet vinyl flooring on wood	2G kitchen	
217	Wood pattern sheet vinyl flooring Brown mastic Black mastic	2G hall closet	
218	Wood pattern sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring Vinyl floor tile Black mastic	2G restroom	
219	Wood pattern sheet vinyl flooring Sheet vinyl flooring Brown mastic Black mastic	3B restroom	
220	Wood pattern sheet vinyl flooring Yellow mastic Grey leveling compound	3C living room	
221	Second layer sheet vinyl flooring Cream mastic Black mastic	3C hall closet below wood pattern sheet vinyl flooring	
222	Black mastic and Tan mastic on concrete	3D bedroom below carpet	
223	12" tile pattern sheet vinyl flooring Tan mastic Black mastic on concrete	3D hall	
224	Second layer sheet vinyl flooring Vinyl floor tile Black mastic Tan mastic	3E kitchen below 12" tile pattern sheet vinyl flooring	
225	Second layer sheet vinyl flooring Black mastic Tan mastic	3E restroom below 12" tile pattern sheet vinyl flooring	
226	6" tile pattern sheet vinyl flooring Black mastic Tan mastic	3F restroom	
227	12" tile pattern sheet vinyl flooring Cream mastic Yellow mastic Black mastic	3H restroom	
228	Grey wood pattern sheet vinyl flooring Green mastic Sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring Black mastic	4A restroom	



Project: Kirkland Heights Apartments 25 Buildings

Project #: 40573.247 Page 3 of 11

SAMPLE DATA FORM

Sample #	Material	Location	Lab
229	Gray wood pattern sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring Black mastic	4A hallway	
230	Second layer Green mastic Sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring Black mastic	4A kitchen below grey wood pattern sheet vinyl flooring	
231	Vinyl floor tile Black mastic	4C hallway below carpet	
232	6" tile pattern sheet vinyl flooring Sheet vinyl flooring Vinyl floor tile Black mastic	4C kitchen	
233	12" tile pattern sheet vinyl flooring Black mastic Tan mastic on concrete	4C restroom	
234	1"x1" white tile pattern sheet vinyl flooring Sheet vinyl flooring Black mastic	4D restroom	
235	6" tile pattern sheet vinyl flooring Sheet vinyl flooring Cream mastic Black mastic	4D kitchen	
236	Yellow mastic Sheet vinyl flooring Black mastic	4D hall closet below carpet	
237	Black and brown mastic	4D living room below carpet	
238	Wood pattern sheet vinyl flooring Grey leveling compound Black mastic	4F hall closet	
239	Grey wood pattern sheet vinyl flooring Sheet vinyl flooring Black mastic	4G kitchen	
240	Grey wood pattern sheet vinyl flooring Sheet vinyl flooring Vinyl floor tile Black mastic	4G hallway	
241	Grey wood pattern sheet vinyl flooring Green mastic Grey/white leveling compound	4H living room	
242	Gray wood pattern sheet vinyl flooring Sheet vinyl flooring Black mastic White leveling compound	4H hallway	
243	12" tile pattern sheet vinyl flooring Tan mastic Black mastic	5B hallway	
244	12" tile pattern sheet vinyl flooring Sheet vinyl flooring Vinyl floor tile Black mastic	5B restroom	
245	12" tile pattern sheet vinyl flooring Sheet vinyl flooring Black mastic	5D hallway	
246	Vinyl floor tile Black mastic	5F hallway below carpet	
247	6" tile pattern sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring Tan mastic Sheet vinyl flooring Black mastic	5F restroom	
248	6" tile pattern sheet vinyl flooring Black mastic	5G restroom	
249	12" tile pattern sheet vinyl flooring Sheet vinyl flooring Black mastic	5G kitchen	
250	Vinyl floor tile Vinyl floor tile	5G hallway below carpet	
251	Second layer sheet vinyl flooring Black mastic	5H hall closet below 12" tile pattern sheet vinyl flooring	
252	12" tile pattern sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring Black mastic	5H restroom	



202212025
LABORATORY CHAIN OF CUSTODY

Project: Kirkland Heights Apartments 25 Buildings

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SAMPLE DATA FORM

Sample #	Material	Location	Lab
253	12" tile pattern sheet vinyl flooring Tan mastic Grey leveling compound Black mastic	5H hallway	
254	Second layer sheet vinyl flooring Tan mastic Black mastic	6A hall below grey wood pattern sheet vinyl flooring	
255	Wood pattern sheet vinyl flooring Tan mastic Black mastic	6B restroom	
256	Second layer sheet vinyl flooring Sheet vinyl flooring Black mastic	6B hall below wood pattern sheet vinyl flooring	
257	Vinyl floor tile Black mastic	6C bedroom below carpet – tile debris	
258	Black and brown mastic	6C bedroom below carpet	
259	Wood pattern sheet vinyl flooring Tan mastic Black mastic	6C kitchen on concrete	
260	12" tile pattern sheet vinyl flooring Tan mastic Black mastic	6C restroom	
261	12" tile pattern sheet vinyl flooring Sheet vinyl flooring Vinyl floor tile Black mastic	6E restroom	
262	Grey wood pattern sheet vinyl flooring Brown mastic Black mastic	6E hall closet on concrete	
263	Second layer sheet vinyl flooring Sheet vinyl flooring Tan mastic Black mastic	6E kitchen below wood pattern sheet vinyl flooring	
264	Wood pattern sheet vinyl flooring Green mastic	6F living room on concrete	
265	Sheet vinyl flooring Tan mastic Grey/white leveling compound	6F bedroom below carpet	
266	Second layer green mastic Sheet vinyl flooring Black mastic Tan Mastic	6F hall below wood pattern sheet vinyl flooring	
267	Second layer sheet vinyl flooring Vinyl floor tile Black mastic	6H hall below wood pattern sheet vinyl flooring	
268	Second layer sheet vinyl flooring Sheet vinyl flooring Black mastic Tan mastic	6H kitchen below wood pattern sheet vinyl flooring	
269	Wood pattern sheet vinyl flooring Vinyl floor tile Tan mastic Black mastic	6H hall closet	
270	Second layer sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring Cream mastic	6H restroom below wood pattern sheet vinyl flooring	
271	Grey wood pattern sheet vinyl Black mastic	7B hall	
272	Grey wood pattern sheet vinyl flooring Sheet vinyl flooring Black mastic	7B kitchen	
273	Wood pattern sheet vinyl flooring Grey leveling compound Black mastic	7C restroom	
274	Wood pattern sheet vinyl flooring Vinyl floor tile Black mastic	7C hall closet	
275	Second layer sheet vinyl flooring Black mastic	7C kitchen below wood pattern sheet vinyl flooring	
276	12" tile pattern sheet vinyl flooring Black mastic	7D kitchen	

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LABORATORY CHAIN OF CUSTODY

Project: Kirkland Heights Apartments 25 Buildings

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SAMPLE DATA FORM

Sample #	Material	Location	Lab
277	Second layer sheet vinyl flooring Sheet vinyl flooring Tan mastic Black mastic	7E hall closet below wood pattern sheet vinyl flooring	
278	Wood pattern sheet vinyl flooring Sheet vinyl flooring Tan mastic on wood	7E kitchen	
279	Second layer sheet vinyl flooring Sheet vinyl flooring Tan mastic	7E hall below wood pattern sheet vinyl flooring	
280	12" tile pattern sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring Black mastic	7E restroom	
281	12" tile pattern sheet vinyl flooring Black mastic	7G restroom	
282	Wood pattern sheet vinyl flooring Brown mastic Black mastic	7G hall closet	
283	6" tile pattern sheet vinyl flooring Black mastic	7H hall	
284	12" tile pattern sheet vinyl flooring Sheet vinyl flooring Vinyl floor tile Black mastic	10A kitchen	
285	Second layer sheet vinyl flooring Yellow mastic Black mastic	10A hall below 12" tile pattern sheet vinyl flooring	
286	Wood pattern sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring Vinyl floor tile Brown mastic	10C kitchen	
287	Second layer vinyl floor tile Black mastic	10C hall below wood pattern sheet vinyl flooring	
288	Wood pattern sheet vinyl flooring on concrete	10C living room	
289	Wood pattern sheet vinyl flooring Yellow mastic Black mastic	10D hall closet	
290	12" tile pattern sheet vinyl flooring Black mastic	10F hall closet	
291	12" tile pattern sheet vinyl flooring Black mastic	10F kitchen	
292	12" tile pattern sheet vinyl flooring Tan mastic Black mastic	10G kitchen	
293	Wood pattern sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring Tan mastic Black mastic	10H restroom	
294	Wood pattern sheet vinyl flooring Sheet vinyl flooring Black mastic	10H kitchen	
295	Second layer sheet vinyl flooring Vinyl floor tile Black mastic	10H hall below wood pattern sheet vinyl flooring	
296	Wood pattern sheet vinyl flooring Sheet vinyl flooring Black mastic on concrete	11B restroom	
297	6" tile pattern sheet vinyl flooring Vinyl floor tile Black mastic	11C hall	
298	6" tile pattern sheet vinyl flooring Sheet vinyl flooring Black mastic	11C restroom	
299	6" tile pattern sheet vinyl flooring Sheet vinyl flooring Vinyl floor tile Black mastic	11E restroom	



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LABORATORY CHAIN OF CUSTODY

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SAMPLE DATA FORM

Sample #	Material	Location	Lab
300	6" tile pattern sheet vinyl flooring Black mastic	11E kitchen	
301	Wood pattern sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring Black mastic	11F restroom	
302	Wood pattern sheet vinyl flooring Sheet vinyl flooring Black mastic	11F kitchen	
303	12" tile pattern sheet vinyl flooring Sheet vinyl flooring Black mastic	11H kitchen	
304	12" tile pattern sheet vinyl flooring Black mastic	11H hall	
305	Wood pattern sheet vinyl flooring Sheet vinyl flooring Vinyl floor tile Black mastic	11H hall closet	
306	Wood pattern sheet vinyl flooring Sheet vinyl flooring Black mastic	11H kitchen	
307	12" tile pattern sheet vinyl flooring Black mastic	12A hall	
308	12" tile pattern sheet vinyl flooring Tan mastic Black mastic	12A hall closet	
309	Grey wood pattern sheet vinyl flooring Black mastic	12C hall	
310	Second layer sheet vinyl flooring Tan mastic Black mastic	12C hall closet below grey wood pattern sheet vinyl flooring	
311	Wood pattern sheet vinyl flooring Tan mastic Black mastic	12D kitchen	
312	Grey wood pattern sheet vinyl flooring Tan mastic on concrete	12F hall	
313	Second layer sheet vinyl flooring Grey mastic	12G hall closet below grey wood pattern sheet vinyl flooring	
314	Second layer sheet vinyl flooring Black mastic	12G kitchen below grey wood pattern sheet vinyl flooring	
315	Grey wood pattern sheet vinyl flooring Black mastic	12G hall	
316	Grey wood pattern sheet vinyl flooring Cream mastic	12H living room	
317	12" tile pattern sheet vinyl flooring Sheet vinyl flooring Vinyl floor tile Black mastic	12H restroom	
318	Vinyl floor tile Black mastic	13B hall below carpet	
319	6" tile pattern sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring Vinyl floor tile Black mastic	13B kitchen	
320	6" tile pattern sheet vinyl flooring Sheet vinyl flooring Black mastic	13B restroom	
321	Second layer Green mastic Sheet vinyl flooring Black mastic	13C hall below 12" tile pattern sheet vinyl flooring	
322	6" tile pattern sheet vinyl flooring Sheet vinyl flooring Cream mastic	13D kitchen	
323	6" tile pattern sheet vinyl flooring Sheet vinyl flooring Black mastic	13D restroom	



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LABORATORY CHAIN OF CUSTODY

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SAMPLE DATA FORM

Sample #	Material	Location	Lab
324	Vinyl floor tile Black mastic	13D hall closet below carpet	
325	Second layer sheet vinyl flooring Tan mastic Cream Black mastic	13D hall below grey wood pattern sheet vinyl flooring	
326	Second layer sheet vinyl flooring Black mastic	13E kitchen below grey wood pattern sheet vinyl flooring	
327	12" tile pattern sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring Black mastic	13E restroom	
328	Grey wood sheet vinyl flooring Tan mastic on concrete	13E living room	
329	Black mastic on grey leveling compound	13F hall below wood pattern sheet vinyl flooring	
330	Second layer sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring Black mastic	13F restroom below wood pattern sheet vinyl flooring	
331	Wood pattern sheet vinyl flooring Sheet vinyl flooring Vinyl floor tile Black mastic	13F kitchen	
332	Grey wood pattern sheet vinyl flooring Tan mastic Black mastic	13H hall closet	
333	Grey wood sheet vinyl flooring Sheet vinyl flooring Tan mastic Black mastic	13H kitchen	
334	Second layer sheet vinyl flooring Sheet vinyl flooring Cream mastic Tan mastic Black mastic	13H restroom below grey wood sheet vinyl pattern on concrete	
335	Wood pattern sheet vinyl flooring Tan mastic Grey leveling compound Vinyl floor tile Black mastic	14A kitchen below wood pattern sheet vinyl flooring	
336	Sheet vinyl flooring on concrete	14A bedroom below carpet	
337	Sheet vinyl flooring on concrete	14A bedroom below carpet	
338	Wood pattern sheet vinyl flooring Sheet vinyl flooring Tan mastic Black mastic	14A restroom	
339	Sheet vinyl flooring Black mastic	14B bedroom below carpet	
340	Second layer sheet vinyl flooring Black mastic	14B kitchen below 12" tile pattern sheet vinyl flooring	
341	Black carpet glue/mastic	14D bedroom below carpet	
342	Vinyl floor tile Black mastic	14D hall below carpet	
343	6" tile pattern sheet vinyl Black mastic	14D restroom	
344	Textured vinyl floor tile Black mastic	14F below carpet in living room	
345	6" tile pattern sheet vinyl flooring Sheet vinyl flooring Vinyl floor tile Black mastic	14F restroom	
346	6" tile pattern sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring Vinyl floor tile Black mastic	14F kitchen	
347	Wood pattern sheet vinyl flooring Tan mastic Black mastic	14G hall closet	
348	12" tile pattern sheet vinyl flooring Black mastic	14G restroom	



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SAMPLE DATA FORM

Sample #	Material	Location	Lab
349	Wood pattern sheet vinyl pattern Sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring Cream mastic	14H kitchen	
350	Wood pattern sheet vinyl flooring Grey leveling compound Black mastic	14H hall	
351	Second layer sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring Tan mastic	14H restroom below wood pattern sheet vinyl flooring	
352	12" tile pattern sheet vinyl flooring Black mastic	16A hall	
353	Second layer sheet vinyl flooring Cream mastic Black mastic	16B hall below wood pattern sheet vinyl flooring	
354	12" tile pattern sheet vinyl flooring Black mastic	16D kitchen	
355	12" tile pattern sheet vinyl flooring Black mastic	16E kitchen	
356	12" tile pattern sheet vinyl flooring Black mastic on concrete	16F kitchen	
357	12" tile pattern sheet vinyl flooring Cream mastic Tan mastic Black mastic	16G hall	
358	Grey wood pattern sheet vinyl flooring White leveling compound Black mastic Tan mastic	18B kitchen	
359	Grey wood pattern sheet vinyl flooring Green mastic Black mastic	18B hall closet	
360	Second layer sheet vinyl flooring Cream mastic Black mastic	18C hall below Wood pattern sheet vinyl	
361	12" tile pattern sheet vinyl flooring Tan Mastic Black mastic	18C restroom	
362	Wood pattern sheet vinyl flooring Sheet vinyl flooring Black mastic	18C hall closet	
363	Wood pattern sheet vinyl flooring Tan mastic Yellow mastic	18D bedroom	
364	12" tile pattern sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring Black mastic	18D restroom	
365	Second layer sheet vinyl flooring Grey leveling compound Cream mastic	18D hall closet below wood pattern sheet vinyl flooring	
366	Wood pattern sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring Vinyl floor tile Black mastic	18D kitchen	
367	Orange vinyl floor tile Grey leveling compound Tan mastic	18E living room	
368	Second layer vinyl floor tile Grey leveling compound Brown mastic	18E kitchen below layer of orange vinyl floor tile	
369	Second layer sheet vinyl flooring Tan mastic Black mastic	18E hall below layer of orange vinyl floor tile	
370	Orange vinyl floor tile Brown mastic Black mastic	18E bedroom	
371	Wood pattern sheet vinyl flooring Grey leveling compound Black mastic	18G hall	



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LABORATORY CHAIN OF CUSTODY

Project: Kirkland Heights Apartments 25 Buildings

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SAMPLE DATA FORM

Sample #	Material	Location	Lab
372	12" tile pattern sheet vinyl flooring Sheet vinyl flooring Grey leveling compound Sheet vinyl flooring Black mastic	18G restroom	
373	12" tile pattern sheet vinyl flooring Black mastic	18H restroom	
374	Second layer sheet vinyl flooring Cream mastic Grey leveling compound Black mastic	20A hall below grey wood pattern sheet vinyl flooring	
375	Second layer sheet vinyl flooring Tan mastic Grey leveling compound	20A living room below gray wood pattern sheet vinyl flooring	
376	Second layer sheet vinyl flooring Vinyl floor tile Black mastic	20C hall below wood pattern sheet vinyl flooring	
377	Wood pattern sheet vinyl flooring Sheet vinyl flooring Tan mastic	20C kitchen	
378	12" tile pattern sheet vinyl flooring Tan mastic Black mastic	20D restroom	
379	Grey wood pattern sheet vinyl flooring Black mastic	20D hall	
380	Grey wood pattern sheet vinyl flooring Sheet vinyl flooring Tan mastic Cream mastic Black mastic	20F restroom	
381	Second layer sheet vinyl flooring Tan mastic Grey leveling compound Black mastic	20F hall closet below wood pattern sheet vinyl	
382	Second layer sheet vinyl flooring Tan mastic Sheet vinyl flooring Tan mastic Grey leveling compound Black mastic	20G restroom below wood pattern sheet vinyl flooring	
383	Second layer sheet vinyl flooring Sheet vinyl flooring Vinyl floor tile Black mastic on wood	20G kitchen below wood sheet vinyl flooring	
384	Vinyl floor tile Black mastic	20H hall closet below carpet	
385	Textured vinyl floor tile Black mastic	20H hall below carpet	
386	6" tile pattern sheet vinyl flooring Sheet vinyl flooring Vinyl floor tile Black mastic	20H kitchen	
387	Second layer Tan mastic Sheet vinyl flooring Black mastic	21A restroom below wood pattern sheet vinyl flooring	
388	Second layer Tan mastic Sheet vinyl flooring Black mastic	21B hall closet below wood pattern sheet vinyl flooring	
389	Wood pattern sheet vinyl flooring Black mastic	21B kitchen	
390	Second layer Green mastic Sheet vinyl flooring Tan mastic Sheet vinyl flooring Black mastic	21B restroom below wood pattern sheet vinyl flooring	
391	12" tile pattern sheet vinyl flooring Vinyl floor tile Black mastic	21C restroom	
392	Second layer sheet vinyl flooring Black mastic	21C hall below 12" tile pattern sheet vinyl flooring	
393	12" tile pattern sheet vinyl flooring Cream mastic Black mastic	21E kitchen	
394	Sheet vinyl flooring Vinyl floor tile Black mastic	21E bedroom below carpet	



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SAMPLE DATA FORM

Sample #	Material	Location	Lab
395	Grey wood pattern sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring Tan mastic Black mastic	21G kitchen	
396	Second layer Tan mastic Vinyl floor tile Black mastic	21H hall closet below 12" tile pattern sheet vinyl flooring	
397	Second layer sheet vinyl flooring Sheet vinyl flooring Black mastic	21H kitchen below 12" tile pattern sheet vinyl flooring	
398	12" tile pattern sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring Tan mastic	21H restroom	
399	Second layer Tan mastic Sheet vinyl flooring Black mastic	22B restroom below wood pattern sheet vinyl flooring	
400	Grey wood sheet vinyl flooring Black mastic	22C kitchen	
401	12" tile pattern sheet vinyl flooring Tan mastic Black mastic	22C restroom	
402	Textured vinyl floor tile Black mastic	22C hall below carpet	
403	6" tile pattern sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring Black mastic	22D kitchen	
404	Sheet vinyl flooring Grey mastic	22D living room below carpet	
405	Second layer Textured vinyl floor tile Black mastic	22D hall below 6" tile pattern sheet vinyl flooring	
406	12" tile patterned sheet vinyl flooring Sheet vinyl flooring Black mastic	22E restroom	
407	Grey wood pattern sheet vinyl flooring Sheet vinyl flooring Black mastic	22E kitchen	
408	Gray wood pattern sheet vinyl flooring Black mastic	22F hall closet	
409	12" tile pattern sheet vinyl flooring Black mastic on concrete	22H hall	
410	Grey wood pattern sheet vinyl flooring	24B kitchen	
411	Grey wood pattern sheet vinyl flooring Green mastic	24C kitchen	
412	Second layer green mastic Sheet vinyl flooring Black mastic	24C restroom below grey wood pattern sheet vinyl	
413	Green mastic Sheet vinyl flooring Tan mastic Black mastic	24C hall below grey wood pattern sheet vinyl	
414	Wood pattern sheet vinyl flooring Grey mastic	24D bedroom	
415	Wood pattern sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring Black mastic	24D hall closet	
416	Second layer tan mastic Sheet vinyl flooring Black mastic	24D hall below wood pattern sheet vinyl flooring	
417	Wood pattern sheet vinyl flooring Sheet vinyl flooring Black mastic	24E kitchen	
418	Second layer wood pattern sheet vinyl Brown mastic Black mastic	24F hall closet below wood pattern sheet vinyl flooring	
419	Second layer wood pattern sheet vinyl flooring Yellow Mastic Grey mastic	24F living room below wood pattern sheet vinyl flooring	



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SAMPLE DATA FORM

Sample #	Material	Location	Lab
420	Second layer sheet vinyl flooring Sheet vinyl flooring Black mastic	24H kitchen below wood pattern sheet vinyl flooring	
421	Grey wood pattern sheet vinyl flooring Sheet vinyl flooring Cream mastic	24H restroom	
422	Second layer grey vinyl floor tile	24H living room below wood sheet vinyl flooring	
423	Grey wood sheet vinyl flooring Black mastic	25A hall	
424	12" tile pattern sheet vinyl flooring Tan mastic Black mastic	25B hall	
425	Second layer Tan mastic Sheet vinyl flooring Black mastic	25B restroom below wood pattern sheet vinyl flooring	
426	White vinyl floor tile Yellow mastic	25C bedroom below carpet	
427	Wood pattern sheet vinyl flooring Sheet vinyl flooring Tan mastic	25C kitchen	
428	Second layer green mastic Yellow mastic Vinyl floor tile Grey mastic	25C restroom below wood sheet vinyl flooring	
429	12" tile pattern sheet vinyl flooring Tan mastic Black mastic	25E kitchen	
430	Wood pattern sheet vinyl Sheet vinyl flooring Sheet vinyl flooring Tan mastic Black mastic	25H kitchen	
431	Second layer sheet vinyl flooring Grey leveling compound Black mastic	25H hall below wood pattern sheet vinyl flooring	
432	Second layer sheet vinyl flooring Sheet vinyl flooring Tan mastic Black mastic	25G hall below 12" tile pattern sheet vinyl flooring	
433	Second layer sheet vinyl flooring Black mastic Tan mastic Sheet vinyl flooring Black mastic Grey leveling compound	25G hall closet below 12" tile pattern sheet vinyl flooring	

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

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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.: Mark Hiley

Client: PBS Engineering and
Environmental, Seattle

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

Job#: 40573.247

Batch#: 202212025

Date Received: 3/6/2023

Samples Rec'd: 238

Date Analyzed: 3/8/2023

Samples Analyzed: 238

Project Loc.: Kirkland Heights Apartments
25Buildings

Analyzed by: Steve (Fanyao) Zhang

Approved Signatory: Steve (Fanyao) Zhang, President

Steve Zhang

Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-fibrous Components	%	Non-asbestos Fibers
1	40573.247-196	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Black/tan mastic	3	Chrysotile	Mastic/binder	4	Cellulose
		3	Gray sandy/brittle material		None detected	Sand, Filler, Binder	3	Cellulose
2	40573.247-197	1	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with tan mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
3	40573.247-198	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Tan mastic		None detected	Mastic/binder	3	Cellulose
		3	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material		None detected	Binder/filler	64	Cellulose
		5	Black mastic	2	Chrysotile	Mastic/binder	2	Cellulose
		6	White sandy/brittle material		None detected	Sand, Filler, Binder	3	Cellulose
4	40573.247-199	1	Beige tile		None detected	Vinyl/binder, Mineral grains	2	Cellulose
		2	Tan mastic		None detected	Mastic/binder	4	Cellulose
		3	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		5	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		6	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		7	White sheet vinyl		None detected	Vinyl/binder		None detected
		8	Gray fibrous material with tan mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		9	Gray sandy/brittle material		None detected	Sand, Filler, Binder	3	Cellulose
5	40573.247-200	1	Clear mastic		None detected	Mastic/binder	4	Cellulose

SEATTLE ASBESTOS TEST

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Attn.: Mark Hiley

Client: PBS Engineering and
Environmental, Seattle

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

Job#: 40573.247

Batch#: 202212025

Date Received: 3/6/2023

Samples Rec'd: 238

Date Analyzed: 3/8/2023

Samples Analyzed: 238

Project Loc.: Kirkland Heights Apartments
25Buildings

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
5	40573.247-200	2	Gray brittle material		None detected	Filler, Binder	2	Cellulose
		3	White sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with cream mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		5	Gray brittle material		None detected	Filler, Binder	2	Cellulose
		6	Black/brown mastic	2	Chrysotile	Mastic/binder	4	Cellulose
6	40573.247-201	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material		None detected	Binder/filler	64	Cellulose
		3	Cream/black mastic	2	Chrysotile	Mastic/binder	2	Cellulose
		4	Gray brittle material		None detected	Filler, Binder	2	Cellulose
7	40573.247-202	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material		None detected	Binder/filler	64	Cellulose
		3	Brown/black mastic	2	Chrysotile	Mastic/binder	2	Cellulose
		4	Gray sandy/brittle material		None detected	Sand, Filler, Binder	3	Cellulose
8	40573.247-203	1	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material		None detected	Binder/filler	64	Cellulose
		5	Black/cream mastic	2	Chrysotile	Mastic/binder	2	Cellulose
		6	Gray sandy/brittle material		None detected	Sand, Filler, Binder	3	Cellulose
9	40573.247-204	1	Beige 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

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ANALYTICAL LABORATORY REPORT

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Attn.: Mark Hiley

Client: PBS Engineering and
Environmental, Seattle

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

Job#: 40573.247

Batch#: 202212025

Date Received: 3/6/2023

Samples Rec'd: 238

Date Analyzed: 3/8/2023

Samples Analyzed: 238

Project Loc.: Kirkland Heights Apartments
25Buildings

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
9	40573.247-204	3	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material		None detected	Binder/filler	63	Cellulose
		5	Black/cream mastic	2	Chrysotile	Mastic/binder	2	Cellulose
		6	Gray sandy/brittle material		None detected	Sand, Filler, Binder	4	Cellulose
10	40573.247-205	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material		None detected	Binder/filler	64	Cellulose
		5	Black/tan mastic	2	Chrysotile	Mastic/binder	2	Cellulose
		6	White sandy/brittle material		None detected	Sand, Filler, Binder	3	Cellulose
11	40573.247-206	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Off-white sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material		None detected	Binder/filler	64	Cellulose
		5	Black/yellow mastic	2	Chrysotile	Mastic/binder	2	Cellulose
12	40573.247-207	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Yellow mastic		None detected	Mastic/binder	3	Cellulose
		3	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		5	Beige tile		None detected	Vinyl/binder, Mineral grains	2	Cellulose
		6	Black mastic	2	Chrysotile	Mastic/binder	4	Cellulose
13	40573.247-208	1	Brown sheet vinyl		None detected	Vinyl/binder		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

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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.: Mark Hiley

Client: PBS Engineering and
Environmental, Seattle

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

Job#: 40573.247

Batch#: 202212025

Date Received: 3/6/2023

Samples Rec'd: 238

Date Analyzed: 3/8/2023

Samples Analyzed: 238

Project Loc.: Kirkland Heights Apartments
25Buildings

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	40573.247-208	2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	64	Cellulose
		5	Beige tile		None detected	Vinyl/binder, Mineral grains	2	Cellulose
		6	Black mastic	2	Chrysotile	Mastic/binder	4	Cellulose
14	40573.247-209	1	White sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		3	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		5	Beige tile	2	Chrysotile	Vinyl/binder, Mineral grains	2	Cellulose
		6	Black/yellow mastic	3	Chrysotile	Mastic/binder	4	Cellulose
15	40573.247-210	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Green mastic		None detected	Mastic/binder	3	Cellulose
		3	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material		None detected	Binder/filler	63	Cellulose
		5	Yellow/black mastic	2	Chrysotile	Mastic/binder	2	Cellulose
16	40573.247-211	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Green mastic		None detected	Mastic/binder	4	Cellulose
		3	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material		None detected	Binder/filler	24	Cellulose
		5	Yellow/black mastic	2	Chrysotile	Mastic/binder	3	Cellulose

SEATTLE ASBESTOS TEST

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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.: Mark Hiley

Client: PBS Engineering and
Environmental, Seattle

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

Job#: 40573.247

Batch#: 202212025

Date Received: 3/6/2023

Samples Rec'd: 238

Date Analyzed: 3/8/2023

Samples Analyzed: 238

Project Loc.: Kirkland Heights Apartments
25Buildings

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
17	40573.247-212	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Green mastic		None detected	Mastic/binder	3	Cellulose
		3	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material		None detected	Binder/filler	63	Cellulose
		5	Black mastic	2	Chrysotile	Mastic/binder	3	Cellulose
18	40573.247-213	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Black mastic	2	Chrysotile	Mastic/binder	3	Cellulose
19	40573.247-214	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Black mastic	2	Chrysotile	Mastic/binder	4	Cellulose
20	40573.247-215	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Clear mastic		None detected	Mastic/binder	2	Cellulose
		3	Gray sandy/brittle material		None detected	Sand, Filler, Binder	3	Cellulose
21	40573.247-216	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Tan mastic		None detected	Mastic/binder	3	Cellulose
		3	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		5	White sheet vinyl		None detected	Vinyl/binder		None detected
		6	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	64	Cellulose
22	40573.247-217	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material		None detected	Binder/filler	65	Cellulose
		3	Brown/black mastic	2	Chrysotile	Mastic/binder	2	Cellulose
		4	Gray sandy/brittle material		None detected	Sand, Filler, Binder	3	Cellulose
23	40573.247-218	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected

SEATTLE ASBESTOS TEST

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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.: Mark Hiley

Client: PBS Engineering and
Environmental, Seattle

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

Job#: 40573.247

Batch#: 202212025

Date Received: 3/6/2023

Samples Rec'd: 238

Date Analyzed: 3/8/2023

Samples Analyzed: 238

Project Loc.: Kirkland Heights Apartments
25Buildings

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
23	40573.247-218	2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		5	Beige tile		None detected	Vinyl/binder, Mineral grains	2	Cellulose
		6	Black mastic	2	Chrysotile	Mastic/binder	4	Cellulose
24	40573.247-219	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Yellow mastic		None detected	Mastic/binder	3	Cellulose
		3	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		4	Black/brown mastic	2	Chrysotile	Mastic/binder	3	Cellulose
		5	Gray sandy/brittle material		None detected	Sand, Filler, Binder	2	Cellulose
25	40573.247-220	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Yellow mastic		None detected	Mastic/binder	3	Cellulose
		3	Gray sandy/brittle material		None detected	Sand, Filler, Binder	4	Cellulose
26	40573.247-221	1	Off-white sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material		None detected	Binder/filler	65	Cellulose
		3	Black/cream mastic	2	Chrysotile	Mastic/binder	3	Cellulose
27	40573.247-222	1	Black/tan mastic	2	Chrysotile	Mastic/binder	3	Cellulose
		2	Gray sandy/brittle material		None detected	Sand, Filler, Binder	4	Cellulose
28	40573.247-223	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Tan/black mastic	2	Chrysotile	Mastic/binder	3	Cellulose
		3	Gray sandy/brittle material		None detected	Sand, Filler, Binder	3	Cellulose
29	40573.247-224	1	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material		None detected	Binder/filler	64	Cellulose

SEATTLE ASBESTOS TEST

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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.: Mark Hiley

Client: PBS Engineering and
Environmental, Seattle

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

Job#: 40573.247

Batch#: 202212025

Date Received: 3/6/2023

Samples Rec'd: 238

Date Analyzed: 3/8/2023

Samples Analyzed: 238

Project Loc.: Kirkland Heights Apartments
25Buildings

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
29	40573.247-224	3	Tan/black mastic	2	Chrysotile	Mastic/binder	3	Cellulose
		4	White brittle material		None detected	Filler, Binder	2	Cellulose
30	40573.247-225	1	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material		None detected	Binder/filler	63	Cellulose
		3	Tan/black mastic	2	Chrysotile	Mastic/binder	3	Cellulose
31	40573.247-226	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material		None detected	Binder/filler	63	Cellulose
		3	Tan/black mastic	2	Chrysotile	Mastic/binder	3	Cellulose
		4	Gray sandy/brittle material		None detected	Sand, Filler, Binder	3	Cellulose
32	40573.247-227	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material		None detected	Binder/filler	65	Cellulose
		3	Cream/yellow/black mastic	2	Chrysotile	Mastic/binder	4	Cellulose
33	40573.247-228	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Green mastic		None detected	Mastic/binder	3	Cellulose
		3	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		5	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		6	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	64	Cellulose
		7	Off-white sheet vinyl		None detected	Vinyl/binder		None detected
		8	Gray fibrous material		None detected	Binder/filler	65	Cellulose
		9	Black mastic	2	Chrysotile	Mastic/binder	4	Cellulose
34	40573.247-229	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Green mastic		None detected	Mastic/binder	3	Cellulose



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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: Mark Hiley

Client: PBS Engineering and
Environmental, Seattle

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

Job#: 40573.247

Batch#: 202212025

Date Received: 3/6/2023

Samples Rec'd: 238

Date Analyzed: 3/8/2023

Samples Analyzed: 238

Project Loc.: Kirkland Heights Apartments
25Buildings

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
34	40573.247-229	3	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		5	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		6	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		7	Off-white sheet vinyl		None detected	Vinyl/binder		None detected
		8	Gray fibrous material		None detected	Binder/filler	64	Cellulose
		9	Black mastic	2	Chrysotile	Mastic/binder	3	Cellulose
35	40573.247-230	1	Green mastic		None detected	Mastic/binder	3	Cellulose
		2	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		3	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		4	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		5	Gray fibrous material		None detected	Binder/filler	64	Cellulose
		6	Black mastic	2	Chrysotile	Mastic/binder	3	Cellulose
36	40573.247-231	1	Beige tile	2	Chrysotile	Vinyl/binder, Mineral grains	2	Cellulose
		2	Black mastic	3	Chrysotile	Mastic/binder	4	Cellulose
37	40573.247-232	1	Beige tile	2	Chrysotile	Vinyl/binder, Mineral grains	2	Cellulose
		2	Black mastic	3	Chrysotile	Mastic/binder	3	Cellulose
		3	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
38	40573.247-233	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Tan/black mastic	3	Chrysotile	Mastic/binder	3	Cellulose
		3	Gray sandy/brittle material		None detected	Sand, Filler, Binder	3	Cellulose
39	40573.247-234	1	White sheet vinyl		None detected	Vinyl/binder		None detected

SEATTLE ASBESTOS TEST

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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.: Mark Hiley

Client: PBS Engineering and
Environmental, Seattle

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

Job#: 40573.247

Batch#: 202212025

Date Received: 3/6/2023

Samples Rec'd: 238

Date Analyzed: 3/8/2023

Samples Analyzed: 238

Project Loc.: Kirkland Heights Apartments
25Buildings

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	40573.247-234	2	Gray fibrous material		None detected	Binder/filler	65	Cellulose
		3	Black mastic	2	Chrysotile	Mastic/binder	2	Cellulose
40	40573.247-235	1	White sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material		None detected	Binder/filler	63	Cellulose
		3	Black/cream mastic	2	Chrysotile	Mastic/binder	2	Cellulose
41	40573.247-236	1	Yellow mastic		None detected	Mastic/binder	2	Cellulose
		2	White sheet vinyl		None detected	Vinyl/binder		None detected
		3	Gray fibrous material		None detected	Binder/filler	64	Cellulose
		4	Black/cream mastic	2	Chrysotile	Mastic/binder	2	Cellulose
42	40573.247-237	1	Black/brown mastic	2	Chrysotile	Mastic/binder	2	Cellulose
43	40573.247-238	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Black mastic	2	Chrysotile	Mastic/binder	3	Cellulose
		3	Gray sandy/brittle material		None detected	Sand, Filler, Binder	2	Cellulose
44	40573.247-239	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Black mastic	2	Chrysotile	Mastic/binder	3	Cellulose
45	40573.247-240	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Clear mastic		None detected	Mastic/binder	3	Cellulose
		3	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		4	Black mastic	2	Chrysotile	Mastic/binder	3	Cellulose
46	40573.247-241	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Green mastic		None detected	Mastic/binder	3	Cellulose
		3	Gray/white sandy/brittle material		None detected	Sand, Filler, Binder	3	Cellulose
47	40573.247-242	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Green mastic		None detected	Mastic/binder	3	Cellulose

SEATTLE ASBESTOS TEST

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Attn.: Mark Hiley

Client: PBS Engineering and
Environmental, Seattle

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

Job#: 40573.247

Batch#: 202212025

Date Received: 3/6/2023

Samples Rec'd: 238

Date Analyzed: 3/8/2023

Samples Analyzed: 238

Project Loc.: Kirkland Heights Apartments
25Buildings

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
47	40573.247-242	3	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		4	Black mastic	2	Chrysotile	Mastic/binder	4	Cellulose
		5	White brittle material		None detected	Filler, Binder	3	Cellulose
48	40573.247-243	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Black/tan mastic	2	Chrysotile	Mastic/binder	3	Cellulose
49	40573.247-244	1	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		2	Clear mastic		None detected	Mastic/binder	3	Cellulose
		3	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		5	Beige tile	2	Chrysotile	Vinyl/binder, Mineral grains	2	Cellulose
		6	Black mastic	3	Chrysotile	Mastic/binder	4	Cellulose
50	40573.247-245	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Yellow mastic		None detected	Mastic/binder	3	Cellulose
		3	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material		None detected	Binder/filler	65	Cellulose
		5	Black mastic	3	Chrysotile	Mastic/binder	2	Cellulose
51	40573.247-246	1	Beige tile	2	Chrysotile	Vinyl/binder, Mineral grains	2	Cellulose
		2	Black mastic	3	Chrysotile	Mastic/binder	4	Cellulose
52	40573.247-247	1	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	White sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		5	Beige sheet vinyl		None detected	Vinyl/binder		None detected

SEATTLE ASBESTOS TEST

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Attn.: Mark Hiley

Client: PBS Engineering and
Environmental, Seattle

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Job#: 40573.247

Batch#: 202212025

Date Received: 3/6/2023

Samples Rec'd: 238

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Samples Analyzed: 238

Project Loc.: Kirkland Heights Apartments
25Buildings

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
52	40573.247-247	6	Gray fibrous material		None detected	Binder/filler	64	Cellulose
		7	Black/tan mastic	3	Chrysotile	Mastic/binder	2	Cellulose
53	40573.247-248	1	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material		None detected	Binder/filler	63	Cellulose
		3	Black/tan mastic	3	Chrysotile	Mastic/binder	3	Cellulose
54	40573.247-249	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Green mastic		None detected	Mastic/binder	3	Cellulose
		3	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material		None detected	Binder/filler	63	Cellulose
		5	Black mastic	2	Chrysotile	Mastic/binder	3	Cellulose
55	40573.247-250	1	Beige tile		None detected	Vinyl/binder, Mineral grains	2	Cellulose
		2	Tan mastic		None detected	Mastic/binder	4	Cellulose
56	40573.247-251	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material		None detected	Binder/filler	64	Cellulose
		3	Black mastic	2	Chrysotile	Mastic/binder	3	Cellulose
		4	Gray sandy/brittle material		None detected	Sand, Filler, Binder	3	Cellulose
57	40573.247-252	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	64	Cellulose
		5	White sheet vinyl		None detected	Vinyl/binder		None detected
		6	Gray fibrous material		None detected	Binder/filler	63	Cellulose
		7	Black mastic	2	Chrysotile	Mastic/binder	3	Cellulose
58	40573.247-253	1	Brown sheet vinyl		None detected	Vinyl/binder		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

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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.: Mark Hiley

Client: PBS Engineering and
Environmental, Seattle

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

Job#: 40573.247

Batch#: 202212025

Date Received: 3/6/2023

Samples Rec'd: 238

Date Analyzed: 3/8/2023

Samples Analyzed: 238

Project Loc.: Kirkland Heights Apartments
25Buildings

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
58	40573.247-253	2	Gray fibrous material		None detected	Binder/filler	63	Cellulose
		3	Black/tan mastic	2	Chrysotile	Mastic/binder	3	Cellulose
		4	Gray sandy/brittle material		None detected	Sand, Filler, Binder	3	Cellulose
59	40573.247-254	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Tan/black mastic		None detected	Mastic/binder	3	Cellulose
60	40573.247-255	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Tan/black mastic		None detected	Mastic/binder	4	Cellulose
61	40573.247-256	1	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material		None detected	Binder/filler	63	Cellulose
		3	Black mastic	2	Chrysotile	Mastic/binder	3	Cellulose
62	40573.247-257	1	Beige tile	2	Chrysotile	Vinyl/binder, Mineral grains	2	Cellulose
		2	Black mastic	3	Chrysotile	Mastic/binder	4	Cellulose
63	40573.247-258	1	Black/brown mastic	3	Chrysotile	Mastic/binder	4	Cellulose
64	40573.247-259	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Tan/black mastic	3	Chrysotile	Mastic/binder	4	Cellulose
		3	Gray sandy/brittle material		None detected	Sand, Filler, Binder	3	Cellulose
65	40573.247-260	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material		None detected	Binder/filler	64	Cellulose
		3	Tan/black mastic	3	Chrysotile	Mastic/binder	3	Cellulose
66	40573.247-261	1	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		2	Clear mastic		None detected	Mastic/binder	4	Cellulose
		3	Off-white sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material		None detected	Binder/filler	64	Cellulose
		5	Black mastic	3	Chrysotile	Mastic/binder	3	Cellulose
67	40573.247-262	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected

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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
67	40573.247-262	2	Brown/black mastic	2	Chrysotile	Mastic/binder	3	Cellulose
		3	Gray sandy/brittle material		None detected	Sand, Filler, Binder	3	Cellulose
68	40573.247-263	1	Off-white sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material		None detected	Binder/filler	64	Cellulose
		3	Tan/black mastic	3	Chrysotile	Mastic/binder	3	Cellulose
69	40573.247-264	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Green mastic		None detected	Mastic/binder	3	Cellulose
70	40573.247-265	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Tan mastic		None detected	Mastic/binder	4	Cellulose
		3	Gray/white sandy/brittle material		None detected	Sand, Filler, Binder	3	Cellulose
71	40573.247-266	1	Green mastic		None detected	Mastic/binder	3	Cellulose
		2	White sheet vinyl		None detected	Vinyl/binder		None detected
		3	Gray fibrous material		None detected	Binder/filler	65	Cellulose
		4	Tan/black mastic	3	Chrysotile	Mastic/binder	3	Cellulose
72	40573.247-267	1	Off-white sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Beige tile		None detected	Vinyl/binder, Mineral grains	2	Cellulose
		4	Black mastic	3	Chrysotile	Mastic/binder	4	Cellulose
73	40573.247-268	1	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material		None detected	Binder/filler	64	Cellulose
		5	Tan/black mastic	3	Chrysotile	Mastic/binder	4	Cellulose

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Project Loc.: Kirkland Heights Apartments
25Buildings

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
74	40573.247-269	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Clear mastic		None detected	Mastic/binder	3	Cellulose
		3	Beige tile		None detected	Vinyl/binder, Mineral grains	2	Cellulose
		4	Black/tan mastic	3	Chrysotile	Mastic/binder	3	Cellulose
75	40573.247-270	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with cream mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	White sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with cream mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		5	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		6	Gray fibrous material with cream mastic		None detected	Binder/filler, Mastic/binder	64	Cellulose
76	40573.247-271	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Black/green mastic	2	Chrysotile	Mastic/binder	3	Cellulose
77	40573.247-272	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Black/green mastic	2	Chrysotile	Mastic/binder	4	Cellulose
78	40573.247-273	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Clear mastic		None detected	Mastic/binder	3	Cellulose
		3	Gray sandy/brittle material		None detected	Sand, Filler, Binder	3	Cellulose
		4	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		5	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		6	Black mastic	2	Chrysotile	Mastic/binder	4	Cellulose
79	40573.247-274	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Clear mastic		None detected	Mastic/binder	4	Cellulose

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25Buildings

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
79	40573.247-274	3	Beige tile	2	Chrysotile	Vinyl/binder, Mineral grains	2	Cellulose
		4	Black mastic	3	Chrysotile	Mastic/binder	4	Cellulose
80	40573.247-275	1	White sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with cream mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		3	Black mastic	3	Chrysotile	Mastic/binder	4	Cellulose
81	40573.247-276	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Black mastic	3	Chrysotile	Mastic/binder	4	Cellulose
82	40573.247-277	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with tan/black mastic	50	Chrysotile	Binder/filler, Mastic/binder	35	Cellulose
83	40573.247-278	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Tan mastic		None detected	Mastic/binder	3	Cellulose
		3	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		5	Brown wood block		None detected	Wood aggregates	4	Cellulose
84	40573.247-279	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Tan mastic		None detected	Mastic/binder	3	Cellulose
		3	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic	50	Chrysotile	Binder/filler, Mastic/binder	34	Cellulose
85	40573.247-280	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected

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Project Loc.: Kirkland Heights Apartments
25Buildings

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
85	40573.247-280	2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		3	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	64	Cellulose
		5	Tan sheet vinyl		None detected	Vinyl/binder		None detected
		6	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		7	Black mastic	3	Chrysotile	Mastic/binder	4	Cellulose
86	40573.247-281	1	Off-white sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	64	Cellulose
		3	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		5	Black mastic	3	Chrysotile	Mastic/binder	3	Cellulose
87	40573.247-282	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Brown/black mastic	3	Chrysotile	Mastic/binder	3	Cellulose
		3	Gray sandy/brittle material		None detected	Sand, Filler, Binder	3	Cellulose
88	40573.247-283	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Black mastic	2	Chrysotile	Mastic/binder	3	Cellulose
89	40573.247-284	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Beige sheet vinyl		None detected	Vinyl/binder		None detected

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89	40573.247-284	4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		5	Beige tile		None detected	Vinyl/binder, Mineral grains	2	Cellulose
		6	Black mastic	3	Chrysotile	Mastic/binder	4	Cellulose
90	40573.247-285	1	Gray fibrous material		None detected	Binder/filler	65	Cellulose
		2	Black/yellow mastic	3	Chrysotile	Mastic/binder	4	Cellulose
91	40573.247-286	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Clear mastic		None detected	Mastic/binder	3	Cellulose
		3	White sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		5	White sheet vinyl		None detected	Vinyl/binder		None detected
		6	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		7	Beige tile		None detected	Vinyl/binder, Mineral grains	2	Cellulose
		8	Brown mastic		None detected	Mastic/binder	4	Cellulose
92	40573.247-287	1	Beige tile	2	Chrysotile	Vinyl/binder, Mineral grains	2	Cellulose
		2	Black mastic	3	Chrysotile	Mastic/binder	4	Cellulose
93	40573.247-288	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Clear mastic		None detected	Mastic/binder	3	Cellulose
		3	Gray sandy/brittle material		None detected	Sand, Filler, Binder	3	Cellulose
94	40573.247-289	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Black/yellow mastic	3	Chrysotile	Mastic/binder	4	Cellulose
95	40573.247-290	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Black mastic	3	Chrysotile	Mastic/binder	4	Cellulose

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95	40573.247-290	3	Gray sandy/brittle material		None detected	Sand, Filler, Binder	3	Cellulose
96	40573.247-291	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Black mastic	3	Chrysotile	Mastic/binder	3	Cellulose
		3	Gray sandy/brittle material		None detected	Sand, Filler, Binder	2	Cellulose
97	40573.247-292	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Black/tan mastic	3	Chrysotile	Mastic/binder	3	Cellulose
98	40573.247-293	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Clear mastic		None detected	Mastic/binder	3	Cellulose
		3	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		5	White sheet vinyl		None detected	Vinyl/binder		None detected
		6	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		7	Black/tan mastic	3	Chrysotile	Mastic/binder	3	Cellulose
99	40573.247-294	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Black mastic	3	Chrysotile	Mastic/binder	3	Cellulose
100	40573.247-295	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		3	Beige tile	2	Chrysotile	Vinyl/binder, Mineral grains	2	Cellulose
		4	Black mastic	3	Chrysotile	Mastic/binder	4	Cellulose
101	40573.247-296	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected

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101	40573.247-296	2	Green mastic		None detected	Mastic/binder	3	Cellulose
		3	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		5	Black mastic	3	Chrysotile	Mastic/binder	3	Cellulose
		6	Gray sandy/brittle material		None detected	Sand, Filler, Binder	3	Cellulose
102	40573.247-297	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	64	Cellulose
		3	Beige tile	2	Chrysotile	Vinyl/binder, Mineral grains	2	Cellulose
		4	Black mastic	3	Chrysotile	Mastic/binder	4	Cellulose
103	40573.247-298	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		5	Black mastic	2	Chrysotile	Mastic/binder	4	Cellulose
104	40573.247-299	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Off-white sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	64	Cellulose
		5	Beige tile	2	Chrysotile	Vinyl/binder, Mineral grains	2	Cellulose
		6	Black mastic	3	Chrysotile	Mastic/binder	3	Cellulose
105	40573.247-300	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected

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Attn.: Mark Hiley

Client: PBS Engineering and
Environmental, Seattle

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

Job#: 40573.247

Batch#: 202212025

Date Received: 3/6/2023

Samples Rec'd: 238

Date Analyzed: 3/8/2023

Samples Analyzed: 238

Project Loc.: Kirkland Heights Apartments
25Buildings

Analyzed by: Steve (Fanyao) Zhang

Approved Signatory: Steve (Fanyao) Zhang, President

Steve Zhang

Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-fibrous Components	%	Non-asbestos Fibers
105	40573.247-300	2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		3	Black mastic	3	Chrysotile	Mastic/binder	3	Cellulose
106	40573.247-301	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Clear mastic		None detected	Mastic/binder	3	Cellulose
		3	Gray brittle material		None detected	Filler, Binder	2	Cellulose
		4	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		5	Tan mastic		None detected	Mastic/binder	3	Cellulose
		6	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		7	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	62	Cellulose
		8	Black mastic	3	Chrysotile	Mastic/binder	3	Cellulose
		9	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		10	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
107	40573.247-302	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Clear mastic		None detected	Mastic/binder	2	Cellulose
		3	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		5	Black mastic	3	Chrysotile	Mastic/binder	3	Cellulose
108	40573.247-303	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Clear mastic		None detected	Mastic/binder	2	Cellulose
		3	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	73	Cellulose
		5	Black mastic	3	Chrysotile	Mastic/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

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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.: Mark Hiley

Client: PBS Engineering and
Environmental, Seattle

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

Job#: 40573.247

Batch#: 202212025

Date Received: 3/6/2023

Samples Rec'd: 238

Date Analyzed: 3/8/2023

Samples Analyzed: 238

Project Loc.: Kirkland Heights Apartments
25Buildings

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
109	40573.247-304	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	tan/black mastic		None detected	Mastic/binder	2	Cellulose
		3	Gray sandy/brittle material		None detected	Sand, Filler, Binder	3	Cellulose
110	40573.247-305	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Blue mastic		None detected	Mastic/binder	3	Cellulose
		3	White sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		5	Gray brittle material		None detected	Filler, Binder	2	Cellulose
		6	Beige tile	2	Chrysotile	Vinyl/binder, Mineral grains	2	Cellulose
		7	Black mastic	2	Chrysotile	Mastic/binder	4	Cellulose
111	40573.247-306	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Blue mastic		None detected	Mastic/binder	3	Cellulose
		3	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	64	Cellulose
		5	Black mastic	2	Chrysotile	Mastic/binder	4	Cellulose
112	40573.247-307	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Black mastic	2	Chrysotile	Mastic/binder	2	Cellulose
113	40573.247-308	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Black/tan mastic	2	Chrysotile	Mastic/binder	3	Cellulose
114	40573.247-309	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Black mastic	2	Chrysotile	Mastic/binder	4	Cellulose
115	40573.247-310	1	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Black/tan mastic	2	Chrysotile	Mastic/binder	2	Cellulose

SEATTLE ASBESTOS TEST

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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.: Mark Hiley Client: PBS Engineering and Environmental, Seattle Address: 214 E Galer Street, Suite 300, Seattle, WA 98102
Job#: 40573.247 Batch#: 202212025 Date Received: 3/6/2023
Samples Rec'd: 238 Date Analyzed: 3/8/2023 Samples Analyzed: 238
Project Loc.: Kirkland Heights Apartments
25Buildings

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
116	40573.247-311	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Black/tan mastic	2	Chrysotile	Mastic/binder	2	Cellulose
		3	Gray sandy/brittle material		None detected	Sand, Filler, Binder	3	Cellulose
117	40573.247-312	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Tan mastic		None detected	Mastic/binder	3	Cellulose
		3	Gray sandy/brittle material		None detected	Sand, Filler, Binder	4	Cellulose
118	40573.247-313	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with gray mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
119	40573.247-314	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with gray mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Black mastic	2	Chrysotile	Mastic/binder	4	Cellulose
120	40573.247-315	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Black mastic	2	Chrysotile	Mastic/binder	4	Cellulose
121	40573.247-316	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Cream mastic		None detected	Mastic/binder	3	Cellulose
		3	Gray sandy/brittle material		None detected	Sand, Filler, Binder	4	Cellulose
122	40573.247-317	1	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	66	Cellulose
		3	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		5	Beige tile	2	Chrysotile	Vinyl/binder, Mineral grains	2	Cellulose
		6	Black mastic	3	Chrysotile	Mastic/binder	4	Cellulose

SEATTLE ASBESTOS TEST

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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.: Mark Hiley Client: PBS Engineering and Environmental, Seattle Address: 214 E Galer Street, Suite 300, Seattle, WA 98102
Job#: 40573.247 Batch#: 202212025 Date Received: 3/6/2023
Samples Rec'd: 238 Date Analyzed: 3/8/2023 Samples Analyzed: 238
Project Loc.: Kirkland Heights Apartments
25Buildings

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
123	40573.247-318	1	Beige tile	2	Chrysotile	Vinyl/binder, Mineral grains	2	Cellulose
		2	Black mastic	3	Chrysotile	Mastic/binder	4	Cellulose
124	40573.247-319	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	61	Cellulose
		3	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		5	White sheet vinyl		None detected	Vinyl/binder		None detected
		6	Gray fibrous material with tan mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		7	Beige tile	2	Chrysotile	Vinyl/binder, Mineral grains	2	Cellulose
		8	Black mastic	3	Chrysotile	Mastic/binder	4	Cellulose
125	40573.247-320	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	60	Cellulose
		3	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		5	Black mastic	3	Chrysotile	Mastic/binder	4	Cellulose
126	40573.247-321	1	Green mastic		None detected	Mastic/binder	3	Cellulose
		2	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		3	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		4	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		5	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	64	Cellulose
		6	Black mastic	3	Chrysotile	Mastic/binder	4	Cellulose

SEATTLE ASBESTOS TEST

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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.: Mark Hiley Client: PBS Engineering and Environmental, Seattle Address: 214 E Galer Street, Suite 300, Seattle, WA 98102
Job#: 40573.247 Batch#: 202212025 Date Received: 3/6/2023
Samples Rec'd: 238 Date Analyzed: 3/8/2023 Samples Analyzed: 238
Project Loc.: Kirkland Heights Apartments
25Buildings

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
127	40573.247-322	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
128	40573.247-323	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		5	Black mastic	3	Chrysotile	Mastic/binder	4	Cellulose
129	40573.247-324	1	Beige tile	2	Chrysotile	Vinyl/binder, Mineral grains	2	Cellulose
		2	Black mastic	3	Chrysotile	Mastic/binder	4	Cellulose
130	40573.247-325	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	58	Cellulose
		3	Black mastic	3	Chrysotile	Mastic/binder	4	Cellulose
131	40573.247-326	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Black mastic	3	Chrysotile	Mastic/binder	4	Cellulose
132	40573.247-327	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Gray sheet vinyl		None detected	Vinyl/binder		None detected

SEATTLE ASBESTOS TEST

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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: Mark Hiley

Client: PBS Engineering and
Environmental, Seattle

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

Job#: 40573.247

Batch#: 202212025

Date Received: 3/6/2023

Samples Rec'd: 238

Date Analyzed: 3/8/2023

Samples Analyzed: 238

Project Loc.: Kirkland Heights Apartments
25Buildings

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
132	40573.247-327	4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		5	White sheet vinyl		None detected	Vinyl/binder		None detected
		6	Gray fibrous material with tan mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		7	Black mastic	2	Chrysotile	Vinyl/binder, Mineral grains	2	Cellulose
133	40573.247-328	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Gray sandy brittle material with mastic		None detected	Mastic/binder	4	Cellulose
134	40573.247-329	1	Black mastic with sandy material	2	Chrysotile	Vinyl/binder, Mineral grains	2	Cellulose
135	40573.247-330	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	57	Cellulose
		3	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		5	White sheet vinyl		None detected	Vinyl/binder		None detected
		6	Gray fibrous material with tan mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		7	Black mastic	2	Chrysotile	Vinyl/binder, Mineral grains	2	Cellulose
136	40573.247-331	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Gray sheet vinyl		None detected	Vinyl/binder		None detected

SEATTLE ASBESTOS TEST

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ANALYTICAL LABORATORY REPORT

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

Attn.: Mark Hiley Client: PBS Engineering and Environmental, Seattle Address: 214 E Galer Street, Suite 300, Seattle, WA 98102
Job#: 40573.247 Batch#: 202212025 Date Received: 3/6/2023
Samples Rec'd: 238 Date Analyzed: 3/8/2023 Samples Analyzed: 238
Project Loc.: Kirkland Heights Apartments
25Buildings

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
136	40573.247-331	4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		5	Beige tile	2	Chrysotile	Vinyl/binder, Mineral grains	2	Cellulose
		6	Black mastic	3	Chrysotile	Mastic/binder	4	Cellulose
137	40573.247-332	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with black mastic		None detected	Binder/filler, Mastic/binder	54	Cellulose
138	40573.247-333	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		5	Black mastic	2	Chrysotile	Mastic/binder	4	Cellulose
139	40573.247-334	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		5	Black mastic	2	Chrysotile	Mastic/binder	4	Cellulose
140	40573.247-335	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic and brittle material		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Beige tile	2	Chrysotile	Vinyl/binder, Mineral grains	2	Cellulose
		4	Black mastic	3	Chrysotile	Mastic/binder	4	Cellulose
141	40573.247-336	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected

SEATTLE ASBESTOS TEST

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ANALYTICAL LABORATORY REPORT

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

Attn.: Mark Hilley Client: PBS Engineering and Environmental, Seattle Address: 214 E Galer Street, Suite 300, Seattle, WA 98102
Job#: 40573.247 Batch#: 202212025 Date Received: 3/6/2023
Samples Rec'd: 238 Date Analyzed: 3/8/2023 Samples Analyzed: 238
Project Loc.: Kirkland Heights Apartments
25Buildings

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
141	40573.247-336	2	Gray fibrous material with mastic and brittle material		None detected	Binder/filler, Mastic/binder	59	Cellulose
142	40573.247-337	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic and brittle material		None detected	Binder/filler, Mastic/binder	65	Cellulose
143	40573.247-338	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		5	Black mastic	2	Chrysotile	Mastic/binder	4	Cellulose
144	40573.247-339	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Black mastic	2	Chrysotile	Mastic/binder	4	Cellulose
145	40573.247-340	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Black mastic	2	Chrysotile	Mastic/binder	4	Cellulose
146	40573.247-341	1	Black tar		None detected		2	Cellulose
147	40573.247-342	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Black mastic	2	Chrysotile	Mastic/binder	4	Cellulose
148	40573.247-343	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected

SEATTLE ASBESTOS TEST

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

Attn.: Mark Hiley

Client: PBS Engineering and
Environmental, Seattle

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

Job#: 40573.247

Batch#: 202212025

Date Received: 2/8/2023

Samples Rec'd: 238

Date Analyzed: 3/8/2023

Samples Analyzed: 238

Project Loc.: Kirkland Heights Apartments
25Buildings

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
148	40573.247-343	2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Black mastic	2	Chrysotile	Mastic/binder	4	Cellulose
149	40573.247-344	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Black mastic	2	Chrysotile	Mastic/binder	4	Cellulose
150	40573.247-345	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	57	Cellulose
		3	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		5	White sheet vinyl		None detected	Vinyl/binder		None detected
		6	Gray fibrous material with tan mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		7	Black mastic	2	Chrysotile	Vinyl/binder, Mineral grains	2	Cellulose
151	40573.247-346	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		5	White sheet vinyl		None detected	Vinyl/binder		None detected
		6	Gray fibrous material with tan mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		7	Beige tile	2	Chrysotile	Vinyl/binder, Mineral grains	2	Cellulose
		8	Black mastic	3	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

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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.: Mark Hiley

Client: PBS Engineering and
Environmental, Seattle

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

Job#: 40573.247

Batch#: 202212025

Date Received: 3/6/2023

Samples Rec'd: 238

Date Analyzed: 3/8/2023

Samples Analyzed: 238

Project Loc.: Kirkland Heights Apartments
25Buildings

Analyzed by: Steve (Fanyao) Zhang

Approved Signatory: Steve (Fanyao) Zhang, President

SZhang

Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-fibrous Components	%	Non-asbestos Fibers
152	40573.247-347	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	61	Cellulose
		3	Black mastic	2	Chrysotile	Mastic/binder	4	Cellulose
153	40573.247-348	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Black mastic	2	Chrysotile	Mastic/binder	4	Cellulose
154	40573.247-349	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		5	White sheet vinyl		None detected	Vinyl/binder		None detected
		6	Gray fibrous material with tan mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		7	White sheet vinyl		None detected	Vinyl/binder		None detected
		8	Gray fibrous material with tan mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
155	40573.247-350	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic and brittle material		None detected	Binder/filler, Mastic/binder	70	Cellulose
		3	Black mastic	2	Chrysotile	Mastic/binder	4	Cellulose
156	40573.247-351	1	Brown 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

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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.: Mark Hiley

Client: PBS Engineering and Environmental, Seattle

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

Job#: 40573.247

Batch#: 202212025

Date Received: 3/6/2023

Samples Rec'd: 238

Date Analyzed: 3/8/2023

Samples Analyzed: 238

Project Loc.: Kirkland Heights Apartments
25 Buildings

Analyzed by: Steve (Fanyao) Zhang

Approved Signatory: Steve (Fanyao) Zhang, President

S Zhang

Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-fibrous Components	%	Non-asbestos Fibers
156	40573.247-351	3	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		5	White sheet vinyl		None detected	Vinyl/binder		None detected
		6	Gray fibrous material with tan mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
157	40573.247-352	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic and brittle material		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Black mastic	2	Chrysotile	Mastic/binder	4	Cellulose
158	40573.247-353	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic and brittle material		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Black mastic	2	Chrysotile	Mastic/binder	4	Cellulose
159	40573.247-354	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic and brittle material		None detected	Binder/filler, Mastic/binder	69	Cellulose
		3	Black mastic	2	Chrysotile	Mastic/binder	4	Cellulose
160	40573.247-355	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic and brittle material		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Black mastic	2	Chrysotile	Mastic/binder	4	Cellulose
161	40573.247-356	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic and brittle material		None detected	Binder/filler, Mastic/binder	65	Cellulose

SEATTLE ASBESTOS TEST

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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.: Mark Hiley Client: PBS Engineering and Environmental, Seattle Address: 214 E Galer Street, Suite 300, Seattle, WA 98102
Job#: 40573.247 Batch#: 202212025 Date Received: 3/6/2023
Samples Rec'd: 238 Date Analyzed: 3/8/2023 Samples Analyzed: 238
Project Loc.: Kirkland Heights Apartments
25Buildings

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
161	40573.247-356	3	Black mastic with sandy material	2	Chrysotile	Mastic/binder	4	Cellulose
162	40573.247-357	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic and brittle material		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Black mastic	2	Chrysotile	Mastic/binder	4	Cellulose
163	40573.247-358	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic and brittle material		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Black/tan mastic	2	Chrysotile	Mastic/binder	4	Cellulose
164	40573.247-359	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Black/tan mastic	2	Chrysotile	Mastic/binder	4	Cellulose
165	40573.247-360	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		3	Black/tan mastic	2	Chrysotile	Mastic/binder	4	Cellulose
166	40573.247-361	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Black/tan mastic	2	Chrysotile	Mastic/binder	4	Cellulose
167	40573.247-362	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		5	Black/tan mastic	2	Chrysotile	Mastic/binder	4	Cellulose

SEATTLE ASBESTOS TEST

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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.: Mark Hiley

Client: PBS Engineering and Environmental, Seattle

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

Job#: 40573.247

Batch#: 202212025

Date Received: 3/6/2023

Samples Rec'd: 238

Date Analyzed: 3/8/2023

Samples Analyzed: 238

Project Loc.: Kirkland Heights Apartments
25Buildings

Analyzed by: Steve (Fanyan) Zhang

Approved Signatory: Steve (Fanyan) Zhang, President

Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-fibrous Components	%	Non-asbestos Fibers
168	40573.247-363	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
169	40573.247-364	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	66	Cellulose
		3	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		5	White sheet vinyl		None detected	Vinyl/binder		None detected
		6	Gray fibrous material with tan mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		7	White sheet vinyl		None detected	Vinyl/binder		None detected
		8	Gray fibrous material with tan mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		9	White sheet vinyl		None detected	Vinyl/binder		None detected
		10	Gray fibrous material with tan mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		11	Black/tan mastic	2	Chrysotile	Mastic/binder	4	Cellulose
170	40573.247-365	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic with brittle material		None detected	Binder/filler, Mastic/binder	65	Cellulose
171	40573.247-366	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Gray sheet vinyl		None detected	Vinyl/binder		None detected

SEATTLE ASBESTOS TEST

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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: Mark Hiley

Client: PBS Engineering and Environmental, Seattle

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

Job#: 40573.247

Batch#: 202212025

Date Received: 3/6/2023

Samples Rec'd: 238

Date Analyzed: 3/8/2023

Samples Analyzed: 238

Project Loc.: Kirkland Heights Apartments
25Buildings

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
171	40573.247-366	4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		5	White sheet vinyl		None detected	Vinyl/binder		None detected
		6	Gray fibrous material with tan mastic		None detected	Binder/filler, Mastic/binder	62	Cellulose
		7	White sheet vinyl		None detected	Vinyl/binder		None detected
		8	Gray fibrous material with tan mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		9	Black/tan mastic	2	Chrysotile	Mastic/binder	4	Cellulose
172	40573.247-367	1	Orange sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic with brittle material		None detected	Binder/filler, Mastic/binder	65	Cellulose
173	40573.247-368	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic with brittle material		None detected	Binder/filler, Mastic/binder	65	Cellulose
174	40573.247-369	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Black/tan mastic	2	Chrysotile	Mastic/binder	4	Cellulose
175	40573.247-370	1	Orange sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Black/tan mastic	2	Chrysotile	Mastic/binder	4	Cellulose
176	40573.247-371	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	60	Cellulose
		3	Black/tan 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

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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: Mark Hiley

Client: PBS Engineering and

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

Job#: 40573.247

Batch#: 202212025

Date Received: 3/6/2023

Samples Rec'd: 238

Date Analyzed: 3/8/2023

Samples Analyzed: 238

Project Loc.: Kirkland Heights Apartments
25Buildings

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
177	40573.247-372	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	White sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with tan mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		5	White sheet vinyl		None detected	Vinyl/binder		None detected
		6	Gray fibrous material with tan mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		7	Black/tan mastic	2	Chrysotile	Mastic/binder	4	Cellulose
178	40573.247-373	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Black/tan mastic	2	Chrysotile	Mastic/binder	4	Cellulose
179	40573.247-374	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	61	Cellulose
		3	Black/tan mastic	2	Chrysotile	Mastic/binder	4	Cellulose
180	40573.247-375	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
181	40573.247-376	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Black/tan mastic	2	Chrysotile	Mastic/binder	4	Cellulose
182	40573.247-377	1	Brown 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

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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.: Mark Hiley

Client: PBS Engineering and Environmental, Seattle

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

Job#: 40573.247

Batch#: 202212025

Date Received: 3/6/2023

Samples Rec'd: 238

Date Analyzed: 3/8/2023

Samples Analyzed: 238

Project Loc.: Kirkland Heights Apartments
25Buildings

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
182	40573.247-377	3	White sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with tan mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
183	40573.247-378	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Black/tan mastic	2	Chrysotile	Mastic/binder	4	Cellulose
184	40573.247-379	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	72	Cellulose
		3	Black/tan mastic	2	Chrysotile	Mastic/binder	4	Cellulose
185	40573.247-380	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		5	Black/tan mastic	2	Chrysotile	Mastic/binder	4	Cellulose
186	40573.247-381	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic with brittle material		None detected	Binder/filler, Mastic/binder	60	Cellulose
		3	Black/tan mastic	2	Chrysotile	Mastic/binder	4	Cellulose
187	40573.247-382	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Gray sheet vinyl		None detected	Vinyl/binder		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

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ANALYTICAL LABORATORY REPORT

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

Attn: Mark Hiley Client: PBS Engineering and Environmental, Seattle Address: 214 E Galer Street, Suite 300, Seattle, WA 98102
Job#: 40573.247 Batch#: 202212025 Date Received: 3/6/2023
Samples Rec'd: 238 Date Analyzed: 3/8/2023 Samples Analyzed: 238
Project Loc.: Kirkland Heights Apartments
25Buildings

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
187	40573.247-382	4	Gray fibrous material with mastic and brittle material		None detected	Binder/filler, Mastic/binder	65	Cellulose
		5	Black/tan mastic	2	Chrysotile	Mastic/binder	4	Cellulose
188	40573.247-383	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	White sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with tan mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		5	White sheet vinyl		None detected	Vinyl/binder		None detected
		6	Gray fibrous material with tan mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		7	Black/tan mastic	2	Chrysotile	Mastic/binder, wood	4	Cellulose
189	40573.247-384	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	75	Cellulose
		3	Black/tan mastic	2	Chrysotile	Mastic/binder	4	Cellulose
190	40573.247-385	1	Beige tile		None detected	Vinyl/binder, Mineral grains	2	Cellulose
		2	Black mastic	2	Chrysotile	Mastic/binder	4	Cellulose
191	40573.247-386	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	White sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with tan mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		5	Beige tile	2	Chrysotile	Vinyl/binder		None detected
		6	Black mastic	2	Chrysotile	Mastic/binder, wood	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

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

Attn: Mark Hiley

Client: PBS Engineering and
Environmental, Seattle

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

Job#: 40573.247

Batch#: 202212025

Date Received: 3/6/2023

Samples Rec'd: 238

Date Analyzed: 3/8/2023

Samples Analyzed: 238

Project Loc.: Kirkland Heights Apartments
25Buildings

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
192	40573.247-387	1	Tan mastic		None detected	mastic/binder	2	Cellulose
		2	White sheet vinyl		None detected	Vinyl/binder		None detected
		3	Gray fibrous material with tan mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		4	Black mastic	2	Chrysotile	Mastic/binder, wood	4	Cellulose
193	40573.247-388	1	Tan mastic		None detected	mastic/binder	2	Cellulose
		2	White sheet vinyl		None detected	Vinyl/binder		None detected
		3	Gray fibrous material with tan mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		4	Black mastic	2	Chrysotile	Mastic/binder, wood	4	Cellulose
194	40573.247-389	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	67	Cellulose
		3	Black/tan mastic	2	Chrysotile	Mastic/binder	4	Cellulose
195	40573.247-390	1	Green mastic		None detected	Mastic/binder	2	Cellulose
		2	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		3	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		4	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		5	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	61	Cellulose
		6	Black mastic	2	Chrysotile	Mastic/binder, wood	4	Cellulose
196	40573.247-391	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Beige tile		None detected	Filler, binder	2	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

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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: Mark Hiley

Client: PBS Engineering and
Environmental, Seattle

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

Job#: 40573.247

Batch#: 202212025

Date Received: 3/6/2023

Samples Rec'd: 238

Date Analyzed: 3/8/2023

Samples Analyzed: 238

Project Loc.: Kirkland Heights Apartments
25 Buildings

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
196	40573.247-391	4	Black	2	Chrysotile	Mastic/binder, wood	4	Cellulose
197	40573.247-392	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	68	Cellulose
		3	Black/tan mastic	3	Chrysotile	Mastic/binder	4	Cellulose
198	40573.247-393	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	66	Cellulose
		3	Black/tan mastic	3	Chrysotile	Mastic/binder	4	Cellulose
199	40573.247-394	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		3	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		5	Black/tan mastic	2	Chrysotile	Mastic/binder	4	Cellulose
200	40573.247-395	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	64	Cellulose
		3	White sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with tan mastic		None detected	Binder/filler, Mastic/binder	62	Cellulose
		5	White sheet vinyl		None detected	Vinyl/binder		None detected
		6	Gray fibrous material with tan mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		7	Black/tan mastic	2	Chrysotile	Mastic/binder, wood	4	Cellulose
201	40573.247-396	1	Tan mastic		None detected	mastic/binder	2	Cellulose

SEATTLE ASBESTOS TEST

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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.: Mark Hiley Client: PBS Engineering and Environmental, Seattle Address: 214 E Galer Street, Suite 300, Seattle, WA 98102
Job#: 40573.247 Batch#: 202212025 Date Received: 3/8/2023
Samples Rec'd: 238 Date Analyzed: 3/8/2023 Samples Analyzed: 238
Project Loc.: Kirkland Heights Apartments
25Buildings

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
201	40573.247-396	2	White sheet vinyl		None detected	Vinyl/binder		None detected
		3	Gray fibrous material with tan mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		4	Black mastic	2	Chrysotile	Mastic/binder, wood	4	Cellulose
202	40573.247-397	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	61	Cellulose
		5	Black/tan mastic	2	Chrysotile	Mastic/binder	4	Cellulose
203	40573.247-398	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	White sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with tan mastic		None detected	Binder/filler, Mastic/binder	62	Cellulose
		5	White sheet vinyl		None detected	Vinyl/binder		None detected
		6	Gray fibrous material with tan mastic		None detected	Binder/filler, Mastic/binder	64	Cellulose
204	40573.247-399	1	Tan mastic		None detected	mastic/binder	2	Cellulose
		2	White sheet vinyl		None detected	Vinyl/binder		None detected
		3	Gray fibrous material with tan mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		4	Black mastic	2	Chrysotile	Mastic/binder, wood	4	Cellulose
205	40573.247-400	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected

SEATTLE ASBESTOS TEST

Lynnwood Laboratory: 19701 Scriber Lake Road, Suite 103, Lynnwood, WA 98036, Tel: 425.873.9850, Fax: 425.873.9810, NVLAP Lab Code: 200768-0

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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.: Mark Hiley

Client: PBS Engineering and
Environmental, Seattle

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

Job#: 40573.247

Batch#: 202212025

Date Received: 3/6/2023

Samples Rec'd: 238

Date Analyzed: 3/8/2023

Samples Analyzed: 238

Project Loc.: Kirkland Heights Apartments
25Buildings

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
205	40573.247-400	2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Black/tan mastic	3	Chrysotile	Mastic/binder	4	Cellulose
206	40573.247-401	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Black/tan mastic	3	Chrysotile	Mastic/binder	4	Cellulose
207	40573.247-402	1	Beige tile		None detected	Vinyl/binder		None detected
		2	Black/tan mastic	2	Chrysotile	Mastic/binder	4	Cellulose
208	40573.247-403	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	White sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with tan mastic		None detected	Binder/filler, Mastic/binder	69	Cellulose
		5	White sheet vinyl		None detected	Vinyl/binder		None detected
		6	Gray fibrous material with tan mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		7	Black/tan mastic	2	Chrysotile	Mastic/binder, wood	4	Cellulose
209	40573.247-404	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
210	40573.247-405	1	Beige tile	2	Chrysotile	Vinyl/binder		None detected
		2	Black/tan mastic	3	Chrysotile	Mastic/binder	3	Cellulose
211	40573.247-406	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	64	Cellulose
		3	Gray sheet vinyl		None detected	Vinyl/binder		None detected

SEATTLE ASBESTOS TEST

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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.: Mark Hiley

Client: PBS Engineering and Environmental, Seattle

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

Job#: 40573.247

Batch#: 202212025

Date Received: 3/6/2023

Samples Rec'd: 238

Date Analyzed: 3/8/2023

Samples Analyzed: 238

Project Loc.: Kirkland Heights Apartments
25Buildings

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
211	40573.247-406	4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	61	Cellulose
		5	Black/tan mastic	2	Chrysotile	Mastic/binder	4	Cellulose
212	40573.247-407	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		5	Black/tan mastic	2	Chrysotile	Mastic/binder	3	Cellulose
213	40573.247-408	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	66	Cellulose
		3	Black/tan mastic	3	Chrysotile	Mastic/binder	4	Cellulose
214	40573.247-409	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Black/tan mastic with brittle material	3	Chrysotile	Mastic/binder	4	Cellulose
215	40573.247-410	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	62	Cellulose
216	40573.247-411	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	64	Cellulose
217	40573.247-412	1	Green mastic		None detected	Mastic/binder	3	Cellulose
		2	White sheet vinyl		None detected	Vinyl/binder		None detected
		3	Gray fibrous material		None detected	Binder/filler	65	Cellulose
		4	Tan/black mastic	3	Chrysotile	Mastic/binder	3	Cellulose

SEATTLE ASBESTOS TEST

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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.: Mark Hiley

Client: PBS Engineering and Environmental, Seattle

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

Job#: 40573.247

Batch#: 202212025

Date Received: 3/6/2023

Samples Rec'd: 238

Date Analyzed: 3/8/2023

Samples Analyzed: 238

Project Loc.: Kirkland Heights Apartments
25Buildings

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
218	40573.247-413	1	Green mastic		None detected	Mastic/binder	4	Cellulose
		2	White sheet vinyl		None detected	Vinyl/binder		None detected
		3	Gray fibrous material		None detected	Binder/filler	67	Cellulose
		4	Tan/black mastic	3	Chrysotile	Mastic/binder	3	Cellulose
219	40573.247-414	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
220	40573.247-415	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	64	Cellulose
		3	White sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with tan mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		5	White sheet vinyl		None detected	Vinyl/binder		None detected
		6	Gray fibrous material with tan mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		7	Black/tan mastic	2	Chrysotile	Mastic/binder, wood	4	Cellulose
221	40573.247-416	1	Tan mastic		None detected	mastic/binder	2	Cellulose
		2	White sheet vinyl		None detected	Vinyl/binder		None detected
		3	Gray fibrous material with tan mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		4	Black mastic	2	Chrysotile	Mastic/binder, wood	4	Cellulose
222	40573.247-417	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Gray sheet vinyl		None detected	Vinyl/binder		None detected

SEATTLE ASBESTOS TEST

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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: Mark Hiley Client: PBS Engineering and Environmental, Seattle Address: 214 E Galer Street, Suite 300, Seattle, WA 98102
Job#: 40573.247 Batch#: 202212025 Date Received: 3/6/2023
Samples Rec'd: 238 Date Analyzed: 3/8/2023 Samples Analyzed: 238
Project Loc.: Kirkland Heights Apartments
25Buildings

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
222	40573.247-417	4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		5	Black/tan mastic	2	Chrysotile	Mastic/binder	4	Cellulose
223	40573.247-418	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		3	Black/tan mastic	3	Chrysotile	Mastic/binder	4	Cellulose
224	40573.247-419	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
225	40573.247-420	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	66	Cellulose
		3	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		5	Black/tan mastic	2	Chrysotile	Mastic/binder	4	Cellulose
226	40573.247-421	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	64	Cellulose
		3	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
227	40573.247-422	1	Beige tile		None detected	Vinyl/binder		None detected
228	40573.247-423	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected

SEATTLE ASBESTOS TEST

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ANALYTICAL LABORATORY REPORT

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

Attn.: Mark Hiley

Client: PBS Engineering and
Environmental, Seattle

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

Job#: 40573.247

Batch#: 202212025

Date Received: 3/6/2023

Samples Rec'd: 238

Date Analyzed: 3/8/2023

Samples Analyzed: 238

Project Loc.: Kirkland Heights Apartments
25Buildings

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
228	40573.247-423	2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Black/tan mastic	3	Chrysotile	Mastic/binder	3	Cellulose
229	40573.247-424	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Black/tan mastic	3	Chrysotile	Mastic/binder	4	Cellulose
230	40573.247-425	1	Tan mastic		None detected	mastic/binder	2	Cellulose
		2	White sheet vinyl		None detected	Vinyl/binder		None detected
		3	Gray fibrous material with tan mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		4	Black mastic	2	Chrysotile	Mastic/binder, wood	4	Cellulose
231	40573.247-426	1	Beige tile		None detected	Vinyl/binder, Mineral grains	2	Cellulose
		2	Brown mastic		None detected	Mastic/binder	4	Cellulose
232	40573.247-427	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	64	Cellulose
		3	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
233	40573.247-428	1	Green mastic		None detected	Mastic/binder	3	Cellulose
		2	Beige tile		None detected	Vinyl/binder		None detected
		3	Gray fibrous material		None detected	Binder/filler	63	Cellulose
234	40573.247-429	1	Brown 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

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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.: Mark Hiley Client: PBS Engineering and Environmental, Seattle Address: 214 E Galer Street, Suite 300, Seattle, WA 98102
Job#: 40573.247 Batch#: 202212025 Date Received: 3/6/2023
Samples Rec'd: 238 Date Analyzed: 3/8/2023 Samples Analyzed: 238
Project Loc.: Kirkland Heights Apartments
25Buildings

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
234	40573.247-429	3	Black/tan mastic with brittle material	3	Chrysotile	Mastic/binder	3	Cellulose
235	40573.247-430	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	64	Cellulose
		3	White sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with tan mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		5	White sheet vinyl		None detected	Vinyl/binder		None detected
		6	Gray fibrous material with tan mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		7	Black/tan mastic	2	Chrysotile	Mastic/binder, wood	4	Cellulose
236	40573.247-431	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Black/tan mastic with brittle material	3	Chrysotile	Mastic/binder	3	Cellulose
237	40573.247-432	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	64	Cellulose
		3	White sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with tan mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		5	Black/tan mastic	2	Chrysotile	Mastic/binder, wood	4	Cellulose
238	40573.247-433	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	64	Cellulose
		3	Black/tan mastic	2	Chrysotile	Mastic/binder, wood	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.: Mark Hiley

Client: PBS Engineering and
Environmental, Seattle

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

Job#: 40573.247

Batch#: 202212025

Date Received: 3/6/2023

Samples Rec'd: 238

Date Analyzed: 3/8/2023

Samples Analyzed: 238

Project Loc.: Kirkland Heights Apartments
25Buildings

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
238	40573.247-433	4	White sheet vinyl		None detected	Vinyl/binder		None detected
		5	Gray fibrous material with tan mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		6	Black/tan mastic	2	Chrysotile	Mastic/binder, wood	4	Cellulose

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, admin@seattleasbestostest.com

Project Manager: Mark Hiley

Client: PBS Engineering and Environmental, Seattle

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

Tel: 206.233.9639

Date Report Issued: 4/3/2023

Date Analyzed: 4/3/2023

Client Job#: 40573.247

Project Location: Kirkland Heights Apartments 25
Buildings

Laboratory batch#: 202212192

Samples Received: 16

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



202212192
LABORATORY CHAIN OF CUSTODY

Project: Kirkland Heights Apartments 25 Buildings

Project #: 40573.247 Page 1 of 1

Analysis requested: PLM

Date: 3/31/2023

Relinquished by/Signature: Brian Hunter / Ryan HE

Date/Time: 3/31/2023

Received by/Signature: [Signature]

Date/Time: 3/31/23 14:45

Email ALL INVOICES to: 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
☐ Holly Tuttle
☐ Ferman Fletcher
☐ Cameron Budnick

- ☐ Mae Reilly
☐ Nick San
☐ Kameron DeMonnin
☐ _____

TURN AROUND TIME:

- ☐ 1 Hour
☐ 2 Hours
☐ 4 Hours

- ☒ 24 Hours
☐ 48 Hours

- ☐ 3 Days
☐ Other _____

SAMPLE DATA FORM

Sample #	Material	Location	Lab
40573.247- 434	White membrane roofing core	Building 1	SAT
435	White membrane roofing core	Building 2	
436	White membrane roofing core	Building 3	
437	Black asphaltic built-up roofing core	Building 4	
438	White membrane roofing core	Building 6	
439	White membrane roofing core	Building 7	
440	White membrane roofing core	Building 10	
441	White membrane roofing core	Building 11	
442	White membrane roofing core	Building 14	
443	White membrane roofing core	Building 15	
444	White membrane roofing core	Building 16	
445	White membrane roofing core	Building 17	
446	White membrane roofing core	Building 18	
447	White membrane roofing core	Building 19	
448	White membrane & built-up roofing core	Building 21	
449	White membrane roofing core	Building 22	

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.: Mark Hiley

Client: PBS Engineering and Environmental, Seattle

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

Job#: 40573.247

Batch#: 202212192

Date Received: 3/31/2023

Samples Rec'd: 16

Date Analyzed: 4/3/2023

Samples Analyzed: 16

Project Loc.: Kirkland Heights Apartments 25 Buildings

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	40573.247-434	1	Off-white soft/elastic material with woven fibrous material		None detected	Binder, Filler	18	Glass fibers
		2	White powdery material with fibrous material		None detected	Binder/filler, Paint	15	Glass fibers
		3	White powdery material with fibrous material		None detected	Binder/filler, Paint	14	Glass fibers
		4	White foamy material		None detected	Synthetic foam	19	None detected
		5	White foamy material		None detected	Synthetic foam		None detected
2	40573.247-435	1	Off-white soft/elastic material with woven fibrous material		None detected	Binder, Filler	20	Glass fibers
		2	White powdery material with fibrous material		None detected	Binder/filler, Paint	14	Glass fibers
		3	White chalky material		None detected	Gypsum/binder	15	Cellulose, Glass fibers
		4	White foamy material		None detected	Synthetic foam		None detected
3	40573.247-436	1	Off-white soft/elastic material with woven fibrous material		None detected	Binder, Filler	20	Glass fibers
		2	White powdery material with fibrous material		None detected	Binder/filler, Paint	15	Glass fibers
		3	White chalky material		None detected	Gypsum/binder	16	Cellulose, Glass fibers
		4	White foamy material		None detected	Synthetic foam		None detected
4	40573.247-437	1	Black asphaltic material with fibrous material		None detected	Asphalt/binder, Filler	30	Glass fibers, 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: 200766-0

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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: Mark Hiley

Client: PBS Engineering and Environmental, Seattle

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

Job#: 40573.247

Batch#: 202212192

Date Received: 3/31/2023

Samples Rec'd: 16

Date Analyzed: 4/3/2023

Samples Analyzed: 16

Project Loc.: Kirkland Heights Apartments 25 Buildings

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
5	40573.247-438	1	Off-white soft/elastic material with woven fibrous material		None detected	Binder, Filler	21	Glass fibers
		2	White powdery material with fibrous material		None detected	Binder/filler, Paint	17	Glass fibers
		3	White chalky material		None detected	Gypsum/binder	16	Cellulose, Glass fibers
		4	White foamy material		None detected	Synthetic foam		None detected
6	40573.247-439	1	Off-white soft/elastic material with woven fibrous material		None detected	Binder, Filler	20	Glass fibers
		2	White powdery material with fibrous material		None detected	Binder/filler, Paint	15	Glass fibers
		3	White chalky material		None detected	Gypsum/binder	16	Cellulose, Glass fibers
		4	White foamy material		None detected	Synthetic foam		None detected
7	40573.247-440	1	Off-white soft/elastic material with woven fibrous material		None detected	Binder, Filler	20	Glass fibers
		2	White powdery material with fibrous material		None detected	Binder/filler, Paint	17	Glass fibers
		3	White chalky material		None detected	Gypsum/binder	16	Cellulose, Glass fibers
		4	White foamy material		None detected	Synthetic foam		None detected
8	40573.247-441	1	Off-white soft/elastic material with woven fibrous material		None detected	Binder, Filler	18	Glass fibers
		2	White powdery material with fibrous material		None detected	Binder/filler, Paint	14	Glass fibers

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

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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: Mark Hiley

Client: PBS Engineering and
Environmental, Seattle

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

Job#: 40573.247

Batch#: 202212192

Date Received: 3/31/2023

Samples Rec'd: 16

Date Analyzed: 4/3/2023

Samples Analyzed: 16

Project Loc.: Kirkland Heights Apartments 25
Buildings

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
8	40573.247-441	3	White chalky material		None detected	Gypsum/binder	16	Cellulose, Glass fibers
		4	White powdery material with fibrous material		None detected	Binder/filler, Paint	15	Glass fibers
		5	White foamy material		None detected	Synthetic foam	18	None detected
		6	White foamy material		None detected	Synthetic foam		None detected
9	40573.247-442	1	Off-white soft/elastic material with woven fibrous material		None detected	Binder, Filler	20	Glass fibers
		2	White powdery material with fibrous material		None detected	Binder/filler, Paint	15	Glass fibers
		3	White chalky material		None detected	Gypsum/binder	14	Cellulose, Glass fibers
		4	White foamy material		None detected	Synthetic foam		None detected
		5	Silver paper		None detected	Filler	75	Cellulose
10	40573.247-443	1	Off-white soft/elastic material with woven fibrous material		None detected	Binder, Filler	20	Glass fibers
		2	White powdery material with fibrous material		None detected	Binder/filler, Paint	14	Glass fibers
		3	White chalky material		None detected	Gypsum/binder	16	Cellulose, Glass fibers
		4	White powdery material with fibrous material		None detected	Binder/filler, Paint	14	Glass fibers
		5	White foamy material		None detected	Synthetic foam	20	None detected
		6	White foamy material		None detected	Synthetic foam		None detected
11	40573.247-444	1	Off-white soft/elastic material with woven fibrous material		None detected	Binder, Filler	18	Glass fibers

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

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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.: Mark Hiley

Client: PBS Engineering and
Environmental, Seattle

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

Job#: 40573.247

Batch#: 202212192

Date Received: 3/31/2023

Samples Rec'd: 16

Date Analyzed: 4/3/2023

Samples Analyzed: 16

Project Loc.: Kirkland Heights Apartments 25
Buildings

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
11	40573.247-444	2	White powdery material with fibrous material		None detected	Binder/filler, Paint	16	Glass fibers
		3	White foamy material		None detected	Synthetic foam		None detected
12	40573.247-445	1	Off-white soft/elastic material with woven fibrous material		None detected	Binder, Filler	17	Glass fibers
		2	White powdery material with fibrous material		None detected	Binder/filler, Paint	15	Glass fibers
		3	White foamy material		None detected	Synthetic foam		None detected
13	40573.247-446	1	Off-white soft/elastic material with woven fibrous material		None detected	Binder, Filler	18	Glass fibers
		2	White powdery material with fibrous material		None detected	Binder/filler, Paint	14	Glass fibers
		3	White chalky material		None detected	Gypsum/binder	16	Cellulose, Glass fibers
		4	White powdery material with fibrous material		None detected	Binder/filler, Paint	14	Glass fibers
		5	White foamy material		None detected	Synthetic foam	19	None detected
		6	White foamy material		None detected	Synthetic foam		None detected
14	40573.247-447	1	Off-white soft/elastic material with woven fibrous material		None detected	Binder, Filler	20	Glass fibers
		2	White powdery material with fibrous material		None detected	Binder/filler, Paint	14	Glass fibers
		3	White 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

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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: Mark Hiley

Client: PBS Engineering and
Environmental, Seattle

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

Job#: 40573.247

Batch#: 202212192

Date Received: 3/31/2023

Samples Rec'd: 16

Date Analyzed: 4/3/2023

Samples Analyzed: 16

Project Loc.: Kirkland Heights Apartments 25
Buildings

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
15	40573.247-448	1	Off-white soft/elastic material with woven fibrous material		None detected	Binder, Filler	20	Glass fibers
		2	Silver paint	2	Chrysotile	Paint, Filler	2	Cellulose
		3	Black asphaltic material		None detected	Asphalt/binder	3	Cellulose
		4	Black asphaltic material with woven fibrous material		None detected	Asphaltic/binder, Filler	37	Glass fibers
		5	Black asphaltic material		None detected	Asphalt/binder	3	Glass fibers
		6	Black asphaltic material with sand		None detected	Asphalt/binder, Sand	25	Glass fibers
16	40573.247-449	1	Off-white soft/elastic material with woven fibrous material		None detected	Binder, Filler	20	Glass fibers
		2	White powdery material with fibrous material		None detected	Binder/filler, Paint	15	Glass fibers
		3	White foamy material		None detected	Synthetic foam		None detected

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, admin@seattleasbestostest.com

Project Manager: Claire Tsai
Client: PBS Engineering and Environmental, Seattle
Address: 214 E Galer Street, Suite 300, Seattle, WA 98102
Tel: 206.233.9639
Date Report Issued: 1/19/2023

Date Analyzed: 1/19/2023
Client Job#: 40573.247
Project Location: Kcha Kirkland Heightsn - Townhomes
Laboratory batch#: 202211815
Samples Received: 50

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



202211811
LABORATORY CHAIN OF CUSTODY

Project: KCHA Kirkland Heightsn -Townhomes

Project #: 40573.247 Page 1 of 2

Analysis requested: PLM

Date: 1/19/2023

Relinqu'd by/Signature: [Signature]

Date/Time: 1/19/2023

Received by/Signature: [Signature]

Date/Time: 1/19/23 12:45

Email ALL INVOICES to: seattleap@pbsusa.com

E-mail results to:

- ☐ Willem Mager
- ☐ Gregg Middaugh
- ☐ Mark Hiley
- ☐ Tim Ogden
- ☐ Ryan Hunter
- ☐ Prudy Stoudt-McRae
- ☐ Janet Murphy

- ☐ Allison Welch
- ☐ Toan Nguyen
- ☐ Peter Stensland
- ☒ Claire Tsai
- ☐ Holly Tuttle
- ☐ Mike Smith
- ☒ Ferman Fletcher

- ☐ Cameron Budnick
- ☐ Mae Reilly
- ☐ Nick San
- ☐ Kameron DeMonnin
- ☐ _____

TURN AROUND TIME:

- ☐ 1 Hour
- ☐ 2 Hours
- ☐ 4 Hours

- ☐ 24 Hours
- ☐ 48 Hours

- ☒ 3 Days
- ☐ Other _____

SAMPLE DATA FORM

Sample #	Material	Location	Lab
40573.247-TH01	Wood grain pattern sheet flooring	Building 9; Unit A, Kitchen	SAT
-TH02	"	Building 9; Unit A, Upper Bathroom	
-TH03	Wood grain pattern sheet flooring/Lightweight concrete	Building 9; Unit A, Dining Room	
-TH04	Wood grain pattern sheet flooring	Building 9; Unit B, Kitchen	
-TH05	"	Building 9; Unit B, Lower Bathroom	
-TH06	"	Building 17; Unit A, Kitchen	
-TH07	"	Building 17; Unit A, Lower Bathroom	
-TH08	"	Building 17; Unit D, Kitchen	
-TH09	Wood grain pattern sheet flooring/Lightweight concrete	Building 17; Unit D, Living Room	
-TH10	Wood grain pattern sheet flooring	Building 19; Unit A, Kitchen	
-TH11	"	Building 19; Unit A, Lower Bathroom	
-TH12	"	Building 9; Unit B, Upper Bathroom	
-TH13	"	Building 23; Unit D, Kitchen	
-TH14	12" Stone Square Grid Pattern Sheet flooring	Building 9; Unit A, Lower Bathroom	
-TH15	"	Building 17; Unit A, Upper Bathroom	
-TH16	"	Building 19; Unit C, Kitchen	



LABORATORY CHAIN OF CUSTODY

Project: KCHA Kirkland Heightsn -Townhomes

Project #: 40573.247 Page 1 of 1

Analysis requested: PLM

Date: 1/19/2023

Relinq'd by/Signature: [Signature]

Date/Time: 1/19/2023

Received by/Signature: [Signature]

Date/Time: 1/19/23 19:45

Email ALL INVOICES to: seattleap@pbsusa.com

E-mail results to:

- ☐ Willem Mager
- ☐ Gregg Middaugh
- ☐ Mark Hiley
- ☐ Tim Ogden
- ☐ Ryan Hunter
- ☐ Prudy Stoudt-McRae
- ☐ Janet Murphy

- ☐ Allison Welch
- ☐ Toan Nguyen
- ☐ Peter Stensland
- ☒ Claire Tsai
- ☐ Holly Tuttle
- ☐ Mike Smith
- ☒ Ferman Fletcher

- ☐ Cameron Budnick
- ☐ Mae Reilly
- ☐ Nick San
- ☐ Kameron DeMonnin
- ☐ _____

TURN AROUND TIME:

- ☐ 1 Hour
- ☐ 2 Hours
- ☐ 4 Hours

- ☐ 24 Hours
- ☐ 48 Hours

- ☒ 3 Days
- ☒ Other _____

SAMPLE DATA FORM

Sample #	Material	Location	Lab
40573.247-TH17	12" Stone Square Grid Pattern Sheet flooring	Building 19; Unit C, Lower Bathroom	SAT
-TH18	"	Building 23; Unit D, Upper Bathroom	
-TH19	4" Grey Square Grid Pattern Sheet Flooring	Building 15; Unit A, Upper Bathroom	
-TH20	"	Building 15; Unit A, Kitchen	
-TH21	"	Building 15; Unit B, Kitchen	
-TH22	"	Building 23; Unit B, Lower Bathroom	
-TH23	"	Building 23; Unit B, Kitchen	
-TH24	Knockdown Wall Texture	Building 9; Unit A, Kitchen	
-TH25	"	Building 17; Unit A, Upstairs Bathroom	
-TH26	"	Building 19; Unit A, Kitchen	
-TH27	"	Building 23; Unit B, Lower Bathroom	
TH28	Popcorn ceiling Texture	Building 9; Unit A Upper Hallway	
-TH29	"	Building 15; Unit A, Living Room	
-TH30	"	Building 17; Unit D, Upper Hallway	
-TH31	"	Building 19; Unit A, Dining Room	
-TH32	"	Building 23; Unit B, Bedroom	



LABORATORY CHAIN OF CUSTODY

202211815

Project: KCHA Kirkland Heightsn -Townhomes

Project #: 40573.247 Page 1 of 1

Analysis requested: PLM

Date: 1/19/2023

Relinq'd by/Signature: [Signature]

Date/Time: 1/19/2023

Received by/Signature: [Signature]

Date/Time: 1/19/23 13:45

Email ALL INVOICES to: seattleap@pbsusa.com

E-mail results to:

- ☐ Willem Mager
- ☐ Gregg Middaugh
- ☐ Mark Hiley
- ☐ Tim Ogden
- ☐ Ryan Hunter
- ☐ Prudy Stoudt-McRae
- ☐ Janet Murphy

- ☐ Allison Welch
- ☐ Toan Nguyen
- ☐ Peter Stensland
- ☒ Claire Tsai
- ☐ Holly Tuttle
- ☐ Mike Smith
- ☒ Ferman Fletcher

- ☐ Cameron Budnick
- ☐ Mae Reilly
- ☐ Nick San
- ☐ Kameron DeMonnin
- ☐ _____

TURN AROUND TIME:

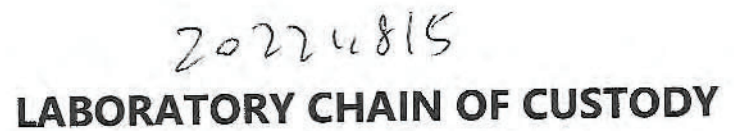
- ☐ 1 Hour
- ☐ 2 Hours
- ☐ 4 Hours

- ☐ 24 Hours
- ☐ 48 Hours

- ☒ 3 Days
- ☐ Other _____

SAMPLE DATA FORM

Sample #	Material	Location	Lab
40573.247-TH33	Joint Compound/Gypsum Wallboard (Composite Analysis requested if applicable)	Building 17; Unit A, Dining Room ceiling	SAT
-TH34	White CB/CB Mastic/Wall Texture	Building 15; Unit A, Lower Bathroom	
-TH35	Tan CB/CB Mastic	Building 9; Unit A, Kitchen	
-TH36	"	Building 17; Unit A, Upper Bathroom	
-TH37	White Sink Undercoat	Building 9; Unit A, Kitchen	
-TH38	"	Building 15; Unit A, Kitchen	
-TH39	"	Building 19; Unit C, Kitchen	
-TH40	Grey Sink Undercoat	Building 15; Unit B, Kitchen	
-TH41	"	Building 23; Unit B, Kitchen	
-TH42	"	Building 23; Unit D, Kitchen	
-TH43	Sink Patch	Building 9; Unit B, Kitchen	
-TH44	"	Building 17; Unit A, Kitchen	
-TH45	"	Building 17; Unit D, Kitchen	
-TH46	"	Building 19; Unit A, Kitchen	
-TH47	Blown in insulation	Building 9; Unit A, Attic	
-TH48	"	Building 15; Unit A, Attic	



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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

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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

Client: PBS Engineering and Environmental, Seattle

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

Job#: 40573.247

Batch#: 202211815

Date Received: 1/19/2023

Samples Rec'd: 50

Date Analyzed: 1/19/2023

Samples Analyzed: 50

Project Loc.: Kcha Kirkland Heightsn - Townhomes

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	40573.247-TH 01	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Yellow mastic		None detected	Mastic/binder	3	Cellulose
		3	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
2	40573.247-TH 02	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Yellow mastic		None detected	Mastic/binder	3	Cellulose
		3	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		5	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		6	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	64	Cellulose
3	40573.247-TH 03	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Yellow mastic		None detected	Mastic/binder	3	Cellulose
		3	Gray sandy/brittle material		None detected	Sand, Filler, Binder	3	Cellulose
4	40573.247-TH 04	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Yellow mastic		None detected	Mastic/binder	3	Cellulose
		3	Green sheet vinyl		None detected	Vinyl/binder		None detected
		4	Clear mastic		None detected	Mastic/binder	2	Cellulose
5	40573.247-TH 05	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Yellow mastic		None detected	Mastic/binder	3	Cellulose
		3	Green sheet vinyl		None detected	Vinyl/binder		None detected
		4	Yellow/black mastic		None detected	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

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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

Client: PBS Engineering and Environmental, Seattle

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

Job#: 40573.247

Batch#: 202211815

Date Received: 1/19/2023

Samples Rec'd: 50

Date Analyzed: 1/19/2023

Samples Analyzed: 50

Project Loc.: Kcha Kirkland Heightsn - Townhomes

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
6	40573.247-TH 06	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Clear mastic		None detected	Mastic/binder	3	Cellulose
		3	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		5	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		6	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
7	40573.247-TH 07	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Clear mastic		None detected	Mastic/binder	4	Cellulose
		3	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		5	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		6	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	64	Cellulose
8	40573.247-TH 08	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Clear mastic		None detected	Mastic/binder	4	Cellulose
		3	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
9	40573.247-TH 09	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Green mastic		None detected	Mastic/binder	4	Cellulose
		3	Gray sandy/brittle material		None detected	Sand, Filler, Binder	3	Cellulose
10	40573.247-TH 10	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected

SEATTLE ASBESTOS TEST

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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

Client: PBS Engineering and Environmental, Seattle

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

Job#: 40573.247

Batch#: 202211815

Date Received: 1/19/2023

Samples Rec'd: 50

Date Analyzed: 1/19/2023

Samples Analyzed: 50

Project Loc.: Kcha Kirkland Heightsn - Townhomes

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
10	40573.247-TH 10	2	Yellow mastic		None detected	Mastic/binder	4	Cellulose
		3	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	64	Cellulose
11	40573.247-TH 11	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Yellow mastic		None detected	Mastic/binder	3	Cellulose
		3	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
12	40573.247-TH 12	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Green mastic		None detected	Mastic/binder	3	Cellulose
		3	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		4	Yellow/black mastic		None detected	Mastic/binder	3	Cellulose
13	40573.247-TH 13	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Yellow mastic		None detected	Mastic/binder	3	Cellulose
		3	Gray sandy/brittle material		None detected	Sand, Filler, Binder	3	Cellulose
14	40573.247-TH 14	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	64	Cellulose
15	40573.247-TH 15	1	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		2	Yellow mastic		None detected	Mastic/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

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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

Client: PBS Engineering and Environmental, Seattle

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

Job#: 40573.247

Batch#: 202211815

Date Received: 1/19/2023

Samples Rec'd: 50

Date Analyzed: 1/19/2023

Samples Analyzed: 50

Project Loc.: Kcha Kirkland Heightsn - Townhomes

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
15	40573.247-TH 15	3	White tile		None detected	Vinyl/binder, Mineral grains	2	Cellulose
		4	Tan mastic		None detected	Mastic/binder	4	Cellulose
16	40573.247-TH 16	1	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		2	Clear mastic		None detected	Mastic/binder	3	Cellulose
		3	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		5	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		6	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	64	Cellulose
17	40573.247-TH 17	1	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		2	Green mastic		None detected	Mastic/binder	3	Cellulose
		3	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		5	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		6	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	64	Cellulose
18	40573.247-TH 18	1	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	64	Cellulose
		3	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
19	40573.247-TH 19	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected

SEATTLE ASBESTOS TEST

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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

Client: PBS Engineering and
Environmental, Seattle

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

Job#: 40573.247

Batch#: 202211815

Date Received: 1/19/2023

Samples Rec'd: 50

Date Analyzed: 1/19/2023

Samples Analyzed: 50

Project Loc.: Kcha Kirkland Heightsn -
Townhomes

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
19	40573.247-TH 19	2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
20	40573.247-TH 20	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	64	Cellulose
21	40573.247-TH 21	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
22	40573.247-TH 22	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		3	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
23	40573.247-TH 23	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	64	Cellulose
		3	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
24	40573.247-TH 24	1	White powdery material with paint		None detected	Binder/filler, Paint	5	Cellulose
25	40573.247-TH 25	1	White powdery material with paint		None detected	Binder/filler, Paint	5	Cellulose
		2	White chalky material with paper		None detected	Binder/filler, Gypsum/binder	25	Cellulose
26	40573.247-TH 26	1	White powdery material with paint		None detected	Binder/filler, Paint	5	Cellulose
		2	White chalky material with paper		None detected	Binder/filler, Gypsum/binder	24	Cellulose
27	40573.247-TH 27	1	White powdery material with paint		None detected	Binder/filler, Paint	5	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

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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

Client: PBS Engineering and Environmental, Seattle

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

Job#: 40573.247

Batch#: 202211815

Date Received: 1/19/2023

Samples Rec'd: 50

Date Analyzed: 1/19/2023

Samples Analyzed: 50

Project Loc.: Kcha Kirkland Heightsn - Townhomes

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
27	40573.247-TH 27	2	White chalky material with paper		None detected	Binder/filler, Gypsum/binder	24	Cellulose
28	40573.247-TH 28	1	White soft lumpy material with paint	3	Chrysotile	Synthetic foam, Filler, Binder, Paint	3	Cellulose
29	40573.247-TH 29	1	White soft lumpy material with paint	3	Chrysotile	Synthetic foam, Filler, Binder, Paint	3	Cellulose
30	40573.247-TH 30	1	White soft lumpy material with paint	3	Chrysotile	Synthetic foam, Filler, Binder, Paint	3	Cellulose
31	40573.247-TH 31	1	White soft lumpy material with paint	3	Chrysotile	Synthetic foam, Filler, Binder, Paint	3	Cellulose
32	40573.247-TH 32	1	White soft lumpy material with paint	3	Chrysotile	Synthetic foam, Filler, Binder, Paint	3	Cellulose
33	40573.247-TH 33	1	White powdery material with paint		None detected	Binder/filler, Paint	5	Cellulose
34	40573.247-TH 34	1	White rubbery material		None detected	Rubber/binder	2	Cellulose
		2	Cream mastic		None detected	Mastic/binder	2	Cellulose
35	40573.247-TH 35	1	Tan rubbery material		None detected	Rubber/binder	2	Cellulose
		2	Cream mastic		None detected	Mastic/binder	3	Cellulose
36	40573.247-TH 36	1	Tan rubbery material		None detected	Rubber/binder	3	Cellulose
		2	Cream mastic		None detected	Mastic/binder	4	Cellulose
37	40573.247-TH 37	1	White soft/loose material		None detected	Filler, Fine particles	5	Cellulose
38	40573.247-TH 38	1	White soft/loose material		None detected	Filler, Fine particles	4	Cellulose
39	40573.247-TH 39	1	White soft/loose material		None detected	Filler, Fine particles	6	Cellulose
40	40573.247-TH 40	1	Trace gray soft/loose material		None detected	Filler, Fine particles	5	Cellulose
41	40573.247-TH 41	1	Trace gray soft/loose material		None detected	Filler, Fine particles	6	Cellulose
42	40573.247-TH 42	1	Trace gray soft/loose material		None detected	Filler, Fine particles	4	Cellulose
43	40573.247-TH 43	1	Black soft material		None detected	Filler, Binder	3	Cellulose
44	40573.247-TH 44	1	Black soft material		None detected	Filler, Binder	2	Cellulose
45	40573.247-TH 45	1	Black soft material		None detected	Filler, Binder	4	Cellulose

SEATTLE ASBESTOS TEST

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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

Client: PBS Engineering and Environmental, Seattle

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

Job#: 40573.247

Batch#: 202211815

Date Received: 1/19/2023

Samples Rec'd: 50

Date Analyzed: 1/19/2023

Samples Analyzed: 50

Project Loc.: Kcha Kirkland Heightsn - Townhomes

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
46	40573.247-TH 46	1	Black soft material		None detected	Filler, Binder	3	Cellulose
47	40573.247-TH 47	1	Brown fibrous material		None detected	Filler, Fine	85	Cellulose
48	40573.247-TH 48	1	Brown fibrous material		None detected	Filler, Fine	84	Cellulose
49	40573.247-TH 49	1	Brown fibrous material		None detected	Filler, Fine	86	Cellulose
		2	Gray fibrous material		None detected	Filler	91	Glass fibers
50	40573.247-TH 50	1	Brown fibrous material		None detected	Filler, Fine	85	Cellulose
		2	Gray fibrous material		None detected	Filler	90	Glass fibers

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, admin@seattleasbestostest.com

Project Manager: Mark Hiley

Client: PBS Engineering and Environmental, Seattle

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

Tel: 206.233.9639

Date Report Issued: 3/7/2023

Date Analyzed: 3/7/2023

Client Job#: 40573.247

Project Location: KCHA Kirkland
Heights-Townhomes

Laboratory batch#: 202212024

Samples Received: 34

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



2022/2024
LABORATORY CHAIN OF CUSTODY

Project: KCHA Kirkland Heights -Townhomes

Project #: 40573.247 Page 1 of 3

Analysis requested: PLM

Date: 3/6/2023

Relinqu'd by/Signature: _____

Date/Time: 3/6/2023

Received by/Signature: _____

Date/Time: 3/6/23 16:30

Email ALL INVOICES to: seattleap@pbsusa.com

E-mail results to:

- | | | |
|--|---|--|
| ☐ Willem Mager | ☐ Allison Welch | ☐ Cameron Budnick |
| ☐ Gregg Middaugh | ☐ Toan Nguyen | ☒ Mae Reilly |
| ☒ Mark Hiley | ☐ Peter Stensland | ☐ Nick San |
| ☐ Tim Ogden | ☒ Claire Tsai | ☐ Kameron DeMonnin |
| ☐ Ryan Hunter | ☐ Holly Tuttle | ☐ _____ |
| ☐ Prudy Stoudt-McRae | ☐ Mike Smith | |
| ☐ Janet Murphy | ☐ Ferman Fletcher | |

TURN AROUND TIME:

- | | | |
|----------------------------------|-----------------------------------|--|
| ☐ 1 Hour | ☐ 24 Hours | ☒ 3 Days |
| ☐ 2 Hours | ☐ 48 Hours | ☐ Other _____ |
| ☐ 4 Hours | | |

SAMPLE DATA FORM

Sample #	Material	Location	Lab
40573.247-TH51	Sheet vinyl flooring Black mastic	9C Kitchen below 6" tile pattern sheet vinyl flooring	SAT
-TH52	Sheet vinyl flooring Tan mastic Black mastic	9C Front entry hall below 6" tile pattern sheet vinyl flooring	
-TH53	6" tile pattern sheet vinyl flooring Sheet vinyl flooring White leveling compound Tan mastic	9C downstairs bathroom	
-TH54	Sheet vinyl flooring Tan mastic	9D upstairs restroom below gray wood pattern sheet vinyl flooring	
-TH55	Grey wood pattern sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring Black mastic	9D downstairs restroom	
-TH56	Grey wood pattern sheet vinyl flooring Green mastic	9D living room	
-TH57	Sheet vinyl flooring Sheet vinyl flooring Tan mastic Grey mastic	9D kitchen below wood pattern sheet vinyl flooring	
-TH58	Sheet vinyl flooring Cream mastic Gray leveling compound	15C kitchen	
-TH59	Grey wood pattern sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring Brown mastic Black mastic	15C downstairs restroom	
-TH60	Wood pattern sheet vinyl flooring Grey mastic on wood	15D upstairs restroom	
-TH61	Second layer light wood pattern sheet vinyl flooring Tan mastic Black mastic Grey leveling compound	15D kitchen below wood pattern sheet vinyl flooring	
-TH62	Wood pattern sheet vinyl flooring Sheet vinyl flooring Brown mastic Black mastic	15D downstairs restroom	



202212024
LABORATORY CHAIN OF CUSTODY

Project: KCHA Kirkland Heights -Townhomes

Project #: 40573.247 Page 2 of 3

SAMPLE DATA FORM

Sample #	Material	Location	Lab
-TH63	Second layer light wood pattern sheet vinyl flooring Tan mastic Black mastic	15D front entry hall below wood pattern sheet vinyl flooring	
-TH64	Second layer light wood pattern sheet vinyl flooring Tan mastic Grey leveling compound	15D living room entry hall below wood pattern sheet vinyl flooring	
-TH65	12" tile pattern sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring Grey leveling compound Cream and tan mastic	17B downstairs restroom	
-TH66	Sheet vinyl flooring Tan mastic Grey mastic	17B front hall	
-TH67	Grey wood pattern sheet vinyl flooring Tan mastic Sheet vinyl flooring Tan mastic Grey leveling compound	17B kitchen	
-TH68	Tan mastic Sheet vinyl flooring Tan mastic	17B upstairs bathroom below 12" tile pattern sheet vinyl flooring	
-TH69	Sheet vinyl flooring Sheet vinyl flooring Black mastic Cream mastic Grey leveling compound	17C kitchen below wood pattern sheet vinyl flooring	
-TH70	12" tile pattern sheet vinyl flooring Sheet vinyl flooring Black mastic Tan mastic	17C downstairs restroom	
-TH71	Sheet vinyl flooring Sheet vinyl flooring Tan mastic Grey leveling compound	17C upstairs restroom	
-TH72	12" tile pattern sheet vinyl flooring Black mastic Cream mastic	19B downstairs restroom	
-TH73	Sheet vinyl flooring Cream mastic Grey leveling compound on wood	19B upstairs restroom	
-TH74	Grey wood pattern sheet vinyl flooring Tan mastic Black mastic	19B front entry hall	
-TH75	6" tile pattern sheet vinyl flooring Sheet vinyl flooring Tan mastic Sheet vinyl flooring Black mastic	19D downstairs restroom	
-TH76	Second layer Grey mastic Sheet vinyl flooring Sheet vinyl flooring Cream mastic Black mastic	19D dinning room below 6" tile pattern sheet vinyl flooring	
-TH77	Orange/brown patterned vinyl floor tile Tan mastic	19D living room below carpet	
-TH78	12" tile pattern sheet vinyl flooring Tan mastic Yellow mastic on wood	19D upstairs restroom	
-TH79	12" tile pattern sheet vinyl flooring Sheet vinyl flooring Sheet vinyl flooring Tan mastic Black mastic	23A downstairs restroom	
-TH80	Second layer sheet vinyl flooring Sheet vinyl flooring Yellow mastic Black mastic	23A kitchen below 12" tile pattern sheet vinyl flooring	
-TH81	Second layer sheet vinyl flooring Grey mastic Tan mastic on wood	23 A upstairs restroom below 12" tile pattern sheet vinyl flooring	
-TH82	12" tile pattern sheet vinyl flooring Sheet vinyl flooring Black mastic	23C downstairs restroom	
-TH83	Wood pattern sheet vinyl flooring Tan mastic Black mastic	23C kitchen	
-TH84	Second layer sheet vinyl flooring Sheet vinyl flooring Tan mastic on wood	23C upstairs restroom below wood pattern sheet vinyl flooring	

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

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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-83/116: Method for the Determination of Asbestos in Bulk Building Materials

Attn: Mark Hiley

Client: PBS Engineering and
Environmental, Seattle

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

Job#: 40573.247

Batch#: 202212024

Date Received: 3/6/2023

Samples Rec'd: 34

Date Analyzed: 3/7/2023

Samples Analyzed: 34

Project Loc.: KCHA Kirkland
Heights-Townhomes

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	40573.247-TH 51	1	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material		None detected	Binder/filler	65	Cellulose
		3	Black mastic	2	Chrysotile	Mastic/binder	2	Cellulose
2	40573.247-TH 52	1	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material		None detected	Binder/filler	65	Cellulose
		3	Black/tan mastic	2	Chrysotile	Mastic/binder	2	Cellulose
3	40573.247-TH 53	1	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	64	Cellulose
		3	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with tan mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
		5	White brittle material		None detected	Filler, Binder	2	Cellulose
4	40573.247-TH 54	1	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with tan mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
5	40573.247-TH 55	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Black mastic	2	Chrysotile	Mastic/binder	3	Cellulose
		3	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	64	Cellulose
6	40573.247-TH 56	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Green mastic		None detected	Mastic/binder	3	Cellulose
7	40573.247-TH 57	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with tan mastic		None detected	Binder/filler, Mastic/binder	64	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

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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.: Mark Hiley Client: PBS Engineering and Environmental, Seattle Address: 214 E Galer Street, Suite 300, Seattle, WA 98102
Job#: 40573.247 Batch#: 202212024 Date Received: 3/6/2023
Samples Rec'd: 34 Date Analyzed: 3/7/2023 Samples Analyzed: 34
Project Loc.: KCHA Kirkland Heights-Townhomes

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
7	40573.247-TH 57	3	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with gray mastic		None detected	Binder/filler, Mastic/binder	63	Cellulose
8	40573.247-TH 58	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with cream mastic		None detected	Binder/filler, Mastic/binder	64	Cellulose
		3	Gray brittle material		None detected	Filler, Binder	2	Cellulose
9	40573.247-TH 59	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Tan mastic		None detected	Mastic/binder	3	Cellulose
		3	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material		None detected	Binder/filler	65	Cellulose
		5	Black/tan mastic	2	Chrysotile	Mastic/binder	2	Cellulose
		6	Beige sheet vinyl		None detected	Vinyl/binder		None detected
10	40573.247-TH 60	7	Gray fibrous material with tan mastic		None detected	Binder/filler, Mastic/binder	66	Cellulose
		1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray mastic		None detected	Mastic/binder	3	Cellulose
11	40573.247-TH 61	3	Gray brittle material		None detected	Filler, Binder	2	Cellulose
		1	Light brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Tan/black mastic	2	Chrysotile	Mastic/binder	3	Cellulose
12	40573.247-TH 62	3	Gray brittle material		None detected	Filler, Binder	3	Cellulose
		1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Clear mastic		None detected	Mastic/binder	4	Cellulose
		3	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		4	Brown/black mastic	2	Chrysotile	Mastic/binder	2	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

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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.: Mark Hiley

Client: PBS Engineering and
Environmental, Seattle

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

Job#: 40573.247

Batch#: 202212024

Date Received: 3/6/2023

Samples Rec'd: 34

Date Analyzed: 3/7/2023

Samples Analyzed: 34

Project Loc.: KCHA Kirkland
Heights-Townhomes

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	40573.247-TH 63	1	Light brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Tan/black mastic	2	Chrysotile	Mastic/binder	3	Cellulose
14	40573.247-TH 64	1	Light brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Tan mastic		None detected	Mastic/binder	3	Cellulose
		3	Gray sandy/brittle material		None detected	Sand, Filler, Binder	3	Cellulose
15	40573.247-TH 65	1	White sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with cream tan mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Gray sandy/brittle material		None detected	Sand, Filler, Binder	3	Cellulose
16	40573.247-TH 66	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Tan/gray mastic		None detected	Mastic/binder	3	Cellulose
17	40573.247-TH 67	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Tan/gray mastic		None detected	Mastic/binder	3	Cellulose
		3	Gray sandy/brittle material		None detected	Sand, Filler, Binder	4	Cellulose
18	40573.247-TH 68	1	Tan mastic		None detected	Mastic/binder	3	Cellulose
		2	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		3	Tan mastic		None detected	Mastic/binder	2	Cellulose
19	40573.247-TH 69	1	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material		None detected	Binder/filler	65	Cellulose
		3	Black/cream mastic	2	Chrysotile	Mastic/binder	2	Cellulose
		4	Gray sandy/brittle material		None detected	Sand, Filler, Binder	3	Cellulose
20	40573.247-TH 70	1	Brown 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

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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.: Mark Hiley

Client: PBS Engineering and
Environmental, Seattle

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

Job#: 40573.247

Batch#: 202212024

Date Received: 3/6/2023

Samples Rec'd: 34

Date Analyzed: 3/7/2023

Samples Analyzed: 34

Project Loc.: KCHA Kirkland
Heights-Townhomes

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	40573.247-TH 70	3	Off-white sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material		None detected	Binder/filler	65	Cellulose
		5	Black/cream mastic	2	Chrysotile	Mastic/binder	2	Cellulose
		6	Gray sandy/brittle material		None detected	Sand, Filler, Binder	3	Cellulose
21	40573.247-TH 71	1	Tan sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with tan mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		3	Gray sandy/brittle material		None detected	Sand, Filler, Binder	3	Cellulose
22	40573.247-TH 72	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material		None detected	Binder/filler	65	Cellulose
		3	Black/cream mastic	2	Chrysotile	Mastic/binder	2	Cellulose
23	40573.247-TH 73	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with cream mastic		None detected	Binder/filler, Mastic/binder	66	Cellulose
		3	Gray sandy/brittle material		None detected	Sand, Filler, Binder	4	Cellulose
24	40573.247-TH 74	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material		None detected	Binder/filler	65	Cellulose
		3	Black/tan mastic	2	Chrysotile	Mastic/binder	2	Cellulose
25	40573.247-TH 75	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material		None detected	Binder/filler	65	Cellulose
		3	Black/tan mastic	2	Chrysotile	Mastic/binder	2	Cellulose
		4	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		5	Gray fibrous material		None detected	Binder/filler	64	Cellulose
		6	Black/tan mastic	2	Chrysotile	Mastic/binder	2	Cellulose
26	40573.247-TH 76	1	Off-white sheet vinyl		None detected	Vinyl/binder		None detected

SEATTLE ASBESTOS TEST

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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.: Mark Hiley

Client: PBS Engineering and
Environmental, Seattle

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

Job#: 40573.247

Batch#: 202212024

Date Received: 3/6/2023

Samples Rec'd: 34

Date Analyzed: 3/7/2023

Samples Analyzed: 34

Project Loc.: KCHA Kirkland
Heights-Townhomes

Analyzed by: Steve (Fanyao) Zhang

Approved Signatory: Steve (Fanyao) Zhang, President

Steve Zhang

Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-fibrous Components	%	Non-asbestos Fibers
26	40573.247-TH 76	2	Gray fibrous material		None detected	Binder/filler	65	Cellulose
		3	Black/cream mastic	2	Chrysotile	Mastic/binder	2	Cellulose
27	40573.247-TH 77	1	Orange/brown tile		None detected	Vinyl/binder, Mineral grains	2	Cellulose
		2	Tan mastic		None detected	Mastic/binder	4	Cellulose
28	40573.247-TH 78	1	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		2	Tan/yellow mastic		None detected	Mastic/binder	3	Cellulose
29	40573.247-TH 79	1	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material		None detected	Binder/filler	65	Cellulose
		3	Black/tan mastic	2	Chrysotile	Mastic/binder	2	Cellulose
		4	Off-white sheet vinyl		None detected	Vinyl/binder		None detected
		5	Gray fibrous material		None detected	Binder/filler	65	Cellulose
		6	Black/tan mastic	2	Chrysotile	Mastic/binder	2	Cellulose
30	40573.247-TH 80	1	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material		None detected	Binder/filler	65	Cellulose
		3	Black/yellow mastic	2	Chrysotile	Mastic/binder	2	Cellulose
		4	Gray sandy/brittle material		None detected	Sand, Filler, Binder	4	Cellulose
31	40573.247-TH 81	1	Off-white sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with gray/tan mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
32	40573.247-TH 82	1	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material		None detected	Binder/filler	63	Cellulose
		3	Trace black mastic		None detected	Mastic/binder	2	Cellulose
33	40573.247-TH 83	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Trace tan/black mastic		None detected	Mastic/binder	3	Cellulose

SEATTLE ASBESTOS TEST

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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.: Mark Hiley

Client: PBS Engineering and
Environmental, Seattle

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

Job#: 40573.247

Batch#: 202212024

Date Received: 3/6/2023

Samples Rec'd: 34

Date Analyzed: 3/7/2023

Samples Analyzed: 34

Project Loc.: KCHA Kirkland
Heights-Townhomes

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
34	40573.247-TH 84	1	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with tan mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose

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, admin@seattleasbestostest.com

Project Manager: Claire Tsai	Date Analyzed: 1/19/2023
Client: PBS Engineering and Environmental, Seattle	Client Job#: 40573.247
Address: 214 E Galer Street, Suite 300, Seattle, WA 98102	Project Location: Kirkland Heights Laundry Building
Tel: 206.233.9639	Laboratory batch#: 202211808
Date Report Issued: 1/19/2023	Samples Received: 6

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



207211808 SAT
LABORATORY CHAIN OF CUSTODY

Project: Kirkland Heights Laundry Building

Project #: 46573.247

Analysis requested: PCM

Date: 1/18/23

Relinq'd by/Signature: Janet Murphy

Date/Time: 1/18/23

Received by/Signature: [Signature]

Date/Time: 1/19/23

Email ALL INVOICES to: seattleap@pbsusa.com

E-mail results to:

- ☐ Willem Mager
☐ Gregg Middaugh
☐ Mark Hiley
☐ Tim Ogden
☐ Ryan Hunter
☐ Prudy Stoudt-McRae

- ☒ Janet Murphy
☐ Kaitlin Soukup
☐ Allison Welch
☐ Toan Nguyen
☐ Peter Stensland
☒ Claire Tsai

- ☐ Holly Tuttle
☐ Mike Smith
☐ Ferman Fletcher
☐ Cameron Budnick
☒ Kameron DeMonnin

TURN AROUND TIME:

- ☐ 1 Hour
☐ 2 Hours
☐ 4 Hours

- ☐ 24 Hours
☐ 48 Hours

- ☐ 3-5 Days
☒ Other 3 Days

SAMPLE DATA FORM

Sample #	Material	Location	Lab
C1	Gray Sheet Vinyl Red and Gray Sheet Vinyl Gray Leveling Compound and Yellow Mastic	Laundry Bldg Floor	
C2	Composite Joint Compound and Wallboard	Laundry Bldg Wall E.	
C3	White FRP Tan Mastic	Laundry Bldg S. Wall	
C4	Wall Texture	Laundry Bldg S. Wall	
C5	Wall Texture	Laundry Bldg E. Wall	
C6	Wall Texture	Laundry Bldg N. Wall	

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

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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

Client: PBS Engineering and Environmental, Seattle

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

Job#: 40573.247

Batch#: 202211808

Date Received: 1/19/2023

Samples Rec'd: 6

Date Analyzed: 1/19/2023

Samples Analyzed: 6

Project Loc.: Kirkland Heights Laundry Building

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	C1	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Clear mastic		None detected	Mastic/binder	3	Cellulose
		3	Red/gray sheet vinyl		None detected	Vinyl/binder		None detected
		4	Yellow mastic		None detected	Mastic/binder	3	Cellulose
		5	Gray sandy/brittle material		None detected	Sand, Filler, Binder	3	Cellulose
2	C2	1	White chalky material with paper		None detected	Binder/filler, Gypsum/binder	25	Cellulose
3	C3	1	Gray brittle material with fibrous material		None detected	Filler, Binder	15	Cellulose
		2	Tan mastic		None detected	Mastic/binder	3	Cellulose
4	C4	1	White powdery material with paint		None detected	Binder/filler, Paint	5	Cellulose
5	C5	1	White powdery material with paint		None detected	Binder/filler, Paint	4	Cellulose
6	C6	1	White powdery material with paint		None detected	Binder/filler, Paint	5	Cellulose

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, admin@seattleasbestostest.com

Project Manager: Claire Tsai

Client: PBS Engineering and Environmental, Seattle

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

Tel: 206.233.9639

Date Report Issued: 1/19/2023

Date Analyzed: 1/19/2023

Client Job#: 40573.247

Project Location: Kirkland Heights Laundry Building
room

Laboratory batch#: 202211809

Samples Received: 16

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



202211809 SAT
LABORATORY CHAIN OF CUSTODY

Project: Kirkland Heights
Community Building / Room

Project #: 405 73 247

Analysis requested: PLM

Date: 1/18/23

Relinq'd by/Signature: Janet Murphy

Date/Time: 1/18/23

Received by/Signature: [Signature]

Date/Time: 1/19/23 9:00

Email ALL INVOICES to: seattleap@pbsusa.com

E-mail results to:

- ☐ Willem Mager
- ☐ Gregg Middaugh
- ☐ Mark Hiley
- ☐ Tim Ogden
- ☐ Ryan Hunter
- ☐ Prudy Stoudt-McRae

- ☒ Janet Murphy
- ☐ Kaitlin Soukup
- ☐ Allison Welch
- ☐ Toan Nguyen
- ☐ Peter Stensland
- ☒ Claire Tsai

- ☐ Holly Tuttle
- ☐ Mike Smith
- ☐ Ferman Fletcher
- ☐ Cameron Budnick
- ☒ Kameron DeMonnin
- ☐ _____

TURN AROUND TIME:

- ☐ 1 Hour
- ☐ 2 Hours
- ☐ 4 Hours

- ☐ 24 Hours
- ☐ 48 Hours

- ☐ 3-5 Days
- ☒ Other 3 Days

SAMPLE DATA FORM

Sample #	Material	Location	Lab
C7.	Fire Resistant Gypsum Board	Community Rm Ceiling	
C8.	Wood Looking Laminate	Community Rm. Closet	
	Yellow Mastic		
	White Leveling Compound		
	White Vinyl Floor Tile		
	Black Mastic		
C9.	Wood Looking Laminate	Community Rm kitchen	
	Yellow Mastic		
	Black Mastic		
C10.	Yellow Carpet Mastic	Under Carpet in	
	White Vinyl Floor Tile	Storage Room	
	Black Mastic	behind Fire place.	
C11.	Yellow Carpet Mastic	Computer Storage closet	
C12.	Yellow Covebase Mastic	Community Room	
C13.	Wood Looking Sheet Vinyl	Community Rm. RR.	
	Fuzzy White Backing		
	Black Mastic		
C14	Mastic on Glass Tile	Community Rm kitchen	



Project: Kirkland Heights
Community Building/Room
Analysis requested: PLM
Relinquished by/Signature: Janet Murphy
Received by/Signature: [Signature]

Project #: 40573.247
Date: 1/18/23
Date/Time: 1/18/23
Date/Time: 1/19/23 9:00

Email ALL INVOICES to: seattleap@pbsusa.com

E-mail results to:

- | | | |
|---|--|--|
| ☐ Willem Mager | ☒ Janet Murphy | ☐ Holly Tuttle |
| ☐ Gregg Middaugh | ☐ Kaitlin Soukup | ☐ Mike Smith |
| ☐ Mark Hiley | ☐ Allison Welch | ☐ Ferman Fletcher |
| ☐ Tim Ogden | ☐ Toan Nguyen | ☐ Cameron Budnick |
| ☐ Ryan Hunter | ☐ Peter Stensland | ☒ Kameron DeMonnin |
| ☐ Prudy Stoudt-McRae | ☒ Claire Tsai | ☐ _____ |

TURN AROUND TIME:

- | | | |
|----------------------------------|-----------------------------------|---|
| ☐ 1 Hour | ☐ 24 Hours | ☐ 3-5 Days |
| ☐ 2 Hours | ☐ 48 Hours | ☒ Other <u>3 Days</u> |
| ☐ 4 Hours | | |

SAMPLE DATA FORM

Sample #	Material	Location	Lab
C15	Mortar on Glass Tile	Community Rm Kitchen	
C16	Composite Joint Compound and wall board	Community Rm Kitchen wall	
C17	Mortar	Fireplace	
C18	Fire Brick	Fireplace	
C19	Knockdown wall Text	Community Rm N	
C20	"	Community Rm E	
C21	"	Community Rm S	
C22	White Coating Black Pad	Community Rm Kitchen Sink	

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

Client: PBS Engineering and Environmental, Seattle

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

Job#: 40573.247

Batch#: 202211809

Date Received: 1/19/2023

Samples Rec'd: 16

Date Analyzed: 1/19/2023

Samples Analyzed: 16

Project Loc.: Kirkland Heights Laundry Building room

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	C7	1	White chalky material with paper		None detected	Binder/filler, Gypsum/binder	25	Cellulose
2	C8	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Yellow mastic		None detected	Mastic/binder	2	Cellulose
		3	White brittle material		None detected	Filler, Binder	2	Cellulose
		4	White tile		None detected	Vinyl/binder, Mineral grains	2	Cellulose
		5	Black mastic	3	Chrysotile	Mastic/binder	4	Cellulose
3	C9	1	Gray sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with yellow/black mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
4	C10	1	Yellow mastic		None detected	Mastic/binder	5	Synthetic fibers, Cellulose
		2	White tile		None detected	Vinyl/binder, Mineral grains	2	Cellulose
		3	Black mastic	3	Chrysotile	Mastic/binder	4	Cellulose
5	C11	1	Yellow mastic		None detected	Mastic/binder	5	Synthetic fibers, Cellulose
6	C12	1	Yellow mastic		None detected	Mastic/binder	5	Synthetic fibers, Cellulose
7	C13	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Gray fibrous material with yellow/black mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
8	C14	1	Clear/white mastic		None detected	Mastic/binder	3	Cellulose
		2	Clear hard brittle material		None detected	Filler, Binder	2	Cellulose
9	C15	1	White hard brittle material		None detected	Filler, Binder	2	Cellulose
10	C16	1	White powdery material with paint and paper		None detected	Binder/filler, Paint	35	Cellulose
		2	White chalky material with paper		None detected	Binder/filler, Gypsum/binder	25	Cellulose
11	C17	1	Gray sandy/brittle material with paint		None detected	Sand, Filler, Binder, Paint	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: 200766-0

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

Client: PBS Engineering and
Environmental, Seattle

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

Job#: 40573.247

Batch#: 202211809

Date Received: 1/19/2023

Samples Rec'd: 16

Date Analyzed: 1/19/2023

Samples Analyzed: 16

Project Loc.: Kirkland Heights Laundry Building
room

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
12	C18	1	Tan sandy/brittle material		None detected	Sand, Filler, Binder	3	Cellulose
13	C19	1	White powdery material with paint and paper		None detected	Binder/filler, Paint	36	Cellulose
14	C20	1	White powdery material with paint		None detected	Binder/filler, Paint	5	Cellulose
15	C21	1	White powdery material with paint		None detected	Binder/filler, Paint	5	Cellulose
16	C22	1	White soft/elastic material		None detected	Binder, Filler	4	Cellulose
		2	Black soft/elastic material		None detected	Binder, Filler	4	Cellulose

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, admin@seattleasbestostest.com

Project Manager: Claire Tsai
Client: PBS Engineering and Environmental, Seattle
Address: 214 E Galer Street, Suite 300, Seattle, WA
98102
Tel: 206.233.9639
Date Report Issued: 1/19/2023

Date Analyzed: 1/19/2023
Client Job#: 40573.247
Project Location: Kirland Heights Bldg 5 office
Laboratory batch#: 202211807
Samples Received: 7

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



Project: Kirkland Heights
Bldg 5. Office

Project #: 40573.247

Analysis requested: PLM

Date: 1/18/23

Relinq'd by/Signature: Janet Murphy

Date/Time: 1/18/23

Received by/Signature: [Signature]

Date/Time: 1/19/23

Email ALL INVOICES to: seattleap@pbsusa.com

E-mail results to:

- ☐ Willem Mager
- ☐ Gregg Middaugh
- ☐ Mark Hiley
- ☐ Tim Ogden
- ☐ Ryan Hunter
- ☐ Prudy Stoudt-McRae

- ☒ Janet Murphy
- ☐ Kaitlin Soukup
- ☐ Allison Welch
- ☐ Toan Nguyen
- ☐ Peter Stensland
- ☒ Claire Tsai

- ☐ Holly Tuttle
- ☐ Mike Smith
- ☐ Ferman Fletcher
- ☐ Cameron Budnick
- ☒ Kameron DeMonnin
- ☐ _____

TURN AROUND TIME:

- ☐ 1 Hour
- ☐ 2 Hours
- ☐ 4 Hours

- ☐ 24 Hours
- ☐ 48 Hours

- ☐ 3-5 Days
- ☒ Other 3 Days

SAMPLE DATA FORM

Sample #	Material	Location	Lab
C23	Brown wood looking Laminate	Bathroom	
	Black Mastic		
	Gray Sheet Vinyl		
	Yellow Mastic		
	Yellow Sheet Vinyl		
	Yellow and Black Mastic		
C24	Tan Covebase Mastic	Bathroom	
C25	Composite Joint Compound	Office w Side of	
	and wall board	Bldg.	
C26	Popcorn Ceiling Texture	Office E Side of Bldg.	
C27	Knock down Wall Text	Bathroom	
C28	Brown Tack Strip Mastic	Under Carpet on Tack Strip	
C29	Brown Wood Looking	Kitchen Floor.	
	Laminate Flooring		

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

Client: PBS Engineering and Environmental, Seattle

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

Job#: 40573.247

Batch#: 202211807

Date Received: 1/19/2023

Samples Rec'd: 7

Date Analyzed: 1/19/2023

Samples Analyzed: 7

Project Loc.: Kirland Heights Bldg 5 office

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	C23	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Trace black mastic		None detected	Mastic/binder	3	Cellulose
		3	Beige sheet vinyl		None detected	Vinyl/binder		None detected
		4	Gray fibrous material with mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
		5	Yellow sheet vinyl		None detected	Vinyl/binder		None detected
		6	Gray fibrous material with yellow/black mastic		None detected	Binder/filler, Mastic/binder	65	Cellulose
2	C24	1	Tan mastic		None detected	Mastic/binder	5	Synthetic fibers, Cellulose
3	C25	1	White chalky material with paper		None detected	Binder/filler, Gypsum/binder	25	Cellulose
4	C26	1	White soft lumpy material with paint	3	Chrysotile	Synthetic foam, Filler, Binder, Paint	3	Cellulose
5	C27	1	White powdery material with paint and paper		None detected	Binder/filler, Paint	35	Cellulose
6	C28	1	Brown mastic		None detected	Mastic/binder	4	Cellulose
7	C29	1	Brown sheet vinyl		None detected	Vinyl/binder		None detected
		2	Clear mastic		None detected	Mastic/binder	3	Cellulose

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, admin@seattleasbestostest.com

Project Manager: Claire Tsai	Date Analyzed: 1/19/2023
Client: PBS Engineering and Environmental, Seattle	Client Job#: 40573.247
Address: 214 E Galer Street, Suite 300, Seattle, WA 98102	Project Location: Kirkland Heights Maintenance Shop
Tel: 206.233.9639	Laboratory batch#: 202211814
Date Report Issued: 1/19/2023	Samples Received: 2

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

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

Client: PBS Engineering and
Environmental, Seattle

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

Job#: 40573.247

Batch#: 202211814

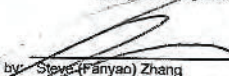
Date Received: 1/19/2023

Samples Rec'd: 2

Date Analyzed: 1/19/2023

Samples Analyzed: 2

Project Loc.: Kirkland Heights Maintenance
Shope

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	C30	1	White chalky material with paper		None detected	Binder/filler, Gypsum/binder	25	Cellulose
2	C31	1	Yellow fibrous material		None detected	Filler	90	Glass fibers

APPENDIX B

Lead in Paint Sampling Information

Paint Chip Laboratory Data Sheets

Paint Chip Chain of Custody Documentation

Kirkland Heights Apartments 25 Buildings
King County Housing Authority
AA LEAD PAINT CHIP SAMPLE INVENTORY

<u>PBS Sample #</u>	<u>Paint Color / Component or Substrate</u>	<u>Sample Location</u>	<u>Results (mg/kg)</u>	<u>Results (%)</u>	<u>Lab</u>
40573.247-Pb1	White/ Gypsum wallboard/ Wall	6D hall closet	<49	<0.0049	NVL
40573.247-Pb2	White/ Gypsum wallboard/ Wall	7F entry	<55	<0.0055	NVL
40573.247-Pb3	White/ Gypsum wallboard/ Wall	10E kitchen	<50	<0.0050	NVL
40573.247-Pb4	White/ Gypsum wallboard/ Wall	12B bedroom	<50	<0.0050	NVL
40573.247-Pb5	White/ Gypsum wallboard/ Wall	14C hall	<49	<0.0049	NVL
40573.247-Pb6	White/ Gypsum wallboard/ Wall	16H restroom	<50	<0.0050	NVL
40573.247-Pb7	White/ Gypsum wallboard/ Wall	20B entry	<52	<0.0052	NVL
40573.247-Pb8	White/ Gypsum wallboard/ Wall	22G hall closet	<49	<0.0049	NVL
40573.247-Pb9	White/ Gypsum wallboard/ Wall	25F hall closet	<54	<0.0054	NVL
40573.247-Pb10	Brown/ Wood / Doorframe	21D restroom	<86	<0.0086	NVL
40573.247-Pb11	Beige/ Wood / Windowsill	2F bedroom	73	0.0073	NVL
40573.247-Pb12	Red/ Wood/ Doorframe	2H restroom	<90	<0.0090	NVL
40573.247-Pb13	Blue/ wood/ siding	Bldg 5	400	0.040	NVL
40573.247-Pb14	Brown/ wood/ siding	Bldg 20	590	0.059	NVL
40573.247-Pb15	Green/ wood/ siding	Bldg 13	400	0.040	NVL
40573.247-Pb16	White/ wood/ trim	Bldg 13	380	0.038	NVL

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

<u>PBS Sample #</u>	<u>Paint Color / Component or Substrate</u>	<u>Sample Location</u>	<u>Results (mg/kg)</u>	<u>Results (%)</u>	<u>Lab</u>
40573.247-TH-Pb1	White / Gypsum wallboard / Wall	19A living	<100	<0.010	NVL
40573.247-TH-Pb2	White / Gypsum wallboard / Wall	23B upper bath	<66	<0.0066	NVL

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

**Kirkland Heights Apartments 25 Buildings
King County Housing Authority**

**PBS Engineering + Environmental
PBS Project #40573.247**

AA LEAD PAINT CHIP SAMPLE INVENTORY

<u>PBS Sample #</u>	<u>Paint Color / Component or Substrate</u>	<u>Sample Location</u>	<u>Results (mg/kg)</u>	<u>Results (%)</u>	<u>Lab</u>
40573.247-C-Pb1	Gray / Gypsum wallboard / Wall	Laundry Room E wall	<52	<0.0052	NVL
40573.247-C-Pb2	White / Wood / Sill	Laundry Room N window	<54	<0.0054	NVL
40573.247-C-Pb3	White / Brick / Wall	Storage Room behind fireplace	<140	<0.014	NVL
40573.247-C-Pb4	Brown / Concrete / Fireplace	Fireplace	<50	<0.0050	NVL
40573.247-C-Pb5	White / Gypsum wallboard / Wall	Community Room	200	0.020	NVL
40573.247-C-Pb6	White / Wood / Door	Storage Room door	<75	<0.0075	NVL
40573.247-C-Pb7	White / Wood / Sill	N window	<53	<0.0053	NVL
40573.247-C-Pb8	Navy blue / Gypsum wallboard / Wall	W office wall	<140	<0.014	NVL
40573.247-C-Pb9	Tan / Gypsum wallboard / Wall	Office on E side of building	<130	<0.013	NVL
40573.247-C-Pb10	Tan / Wood / Sill	Kitchen window	<190	<0.019	NVL
40573.247-C-Pb11	White / Gypsum wallboard / Ceiling	Bathroom	<52	<0.0052	NVL
40573.247-C-Pb12	White / Gypsum wallboard / Wall	Maintenance Shop	<47	<0.0047	NVL

January 25, 2023

Claire Tsai

PBS Environmental - Seattle

214 E Galer St. Suite. 300

Seattle, WA 98102



NVL Batch # 2301250.00

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

Client Project: 40573.247

Location: Kirkland Heights Apartment 25 Buildings

Dear Ms. Tsai,

NVL Labs received 12 sample(s) for the said project on 1/23/2023. 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 #: 2301250.00

Matrix: Paint
Method: EPA 3051/7000B
Client Project #: 40573.247
Date Received: 1/23/2023
Samples Received: 12
Samples Analyzed: 12

Attention: Ms. Claire Tsai

Project Location: Kirkland Heights Apartment 25 Buildings

Lab ID	Client Sample #	Sample Weight (g)	RL in mg/Kg	Results in mg/Kg	Results in percent
23008504	40573.247-Pb1	0.2029	49	< 49	<0.0049
23008505	40573.247-Pb2	0.1831	55	< 55	<0.0055
23008506	40573.247-Pb3	0.1989	50	< 50	<0.0050
23008507	40573.247-Pb4	0.2006	50	< 50	<0.0050
23008508	40573.247-Pb5	0.2050	49	< 49	<0.0049
23008509	40573.247-Pb6	0.1981	50	< 50	<0.0050
23008510	40573.247-Pb7	0.1916	52	< 52	<0.0052
23008511	40573.247-Pb8	0.2046	49	< 49	<0.0049
23008512	40573.247-Pb9	0.1840	54	< 54	<0.0054
23008513	40573.247-Pb10	0.1167	86	< 86	<0.0086
23008514	40573.247-Pb11	0.1959	51	73	0.0073
23008515	40573.247-Pb12	0.1106	90	< 90	<0.0090

Sampled by: Client

Analyzed by: Yasuyuki Hida

Reviewed by: Shalini Patel

Date Analyzed: 01/24/2023

Date Issued: 01/25/2023


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: 2023-0124-08

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 2301250.00
TAT 4 Days **AH** No
Rush TAT
Due Date 1/27/2023 **Time** 2:00 PM
Email claire.tsai@pbsusa.com
Fax (866) 727-0140

Project Name/Number: 40573.247 **Project Location:** Kirkland Heights Apartment 25 Buildings

Subcategory Flame AA (FAA)
Item Code FAA-02 EPA 7000B Lead by FAA <paint>

Total Number of Samples 12 **Rush Samples**

	Lab ID	Sample ID	Description	A/R
1	23008504	40573.247-Pb1		A
2	23008505	40573.247-Pb2		A
3	23008506	40573.247-Pb3		A
4	23008507	40573.247-Pb4		A
5	23008508	40573.247-Pb5		A
6	23008509	40573.247-Pb6		A
7	23008510	40573.247-Pb7		A
8	23008511	40573.247-Pb8		A
9	23008512	40573.247-Pb9		A
10	23008513	40573.247-Pb10		A
11	23008514	40573.247-Pb11		A
12	23008515	40573.247-Pb12		A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Courier				

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Kelly AuVu		NVL	1/23/23	1400
Analyzed by	Yasuyuki Hida		NVL	1/24/23	
Results Called by					
☐ Faxed ☐ Emailed					

Special Instructions:

Date: 1/23/2023
 Time: 1:58 PM
 Entered By: Kelly AuVu



LABORATORY CI

2301250

Project: Kirkland Heights Apartments 25 BuildingsProject #: 40573.247 Page 1 of 1Analysis requested: FAA lead in paintDate: 1/20/2023Relinqu'd by/Signature: Claire TsaiDate/Time: 1/20/23Received by/Signature: Kenneth e. [unclear]Date/Time: 1/23/23 1400
CourteEmail ALL INVOICES to: seattleap@pbsusa.com

E-mail results to:

- ☐ Willem Mager
☐ Gregg Middaugh
☒ Mark Hiley
☐ Tim Ogden
☐ Ryan Hunter
☐ Prudy Stoudt-McRae
☐ Janet Murphy

- ☐ Allison Welch
☐ Toan Nguyen
☐ Peter Stensland
☒ Claire Tsai
☐ Holly Tuttle
☐ Mike Smith
☐ Ferman Fletcher

- ☐ Cameron Budnick
☐ Mae Reilly
☐ Nick San
☐ Kameron DeMonnin
☐ _____

TURN AROUND TIME:

- ☐ 1 Hour
☐ 2 Hours
☐ 4 Hours

- ☐ 24 Hours
☒ 48 Hours

- ☒ 4 Days
☐ Other _____

SAMPLE DATA FORM

Sample #	Material	Location	Lab
Pb1	White/ Gypsum wallboard/ Wall	6D hall closet	NVL
Pb2	White/ Gypsum wallboard/ Wall	7F entry	
Pb3	White/ Gypsum wallboard/ Wall	10E kitchen	
Pb4	White/ Gypsum wallboard/ Wall	12B bedroom	
Pb5	White/ Gypsum wallboard/ Wall	14C hall	
Pb6	White/ Gypsum wallboard/ Wall	16H restroom	
Pb7	White/ Gypsum wallboard/ Wall	20B entry	
Pb8	White/ Gypsum wallboard/ Wall	22G hall closet	
Pb9	White/ Gypsum wallboard/ Wall	25F hall closet	
Pb10	Brown/ Wood / Doorframe	21D restroom	
Pb11	Beige/ Wood / Windowsill	2F bedroom	
Pb12	Red/ Wood/ Doorframe	2H restroom	

Kelly Au Vu

From: Claire Tsai <Claire.Tsai@pbsusa.com>
Sent: Monday, January 23, 2023 2:08 PM
To: Kelly Au Vu
Subject: Re: 40573.247

Could you please do 4 day.

Claire Tsai | Industrial Hygiene Project Manager | PBS Seattle | 206.762.4780 (direct) | 425.686 2077 (cell)

From: Kelly Au Vu <kelly.a@nvllabs.com>
Sent: Monday, January 23, 2023 2:06:48 PM
To: Claire Tsai <Claire.Tsai@pbsusa.com>
Subject: 40573.247

Hi Claire,

We received samples today via courier for Kirkland Heights project, but the TAT is marked for both 2 day and 4 day turnaround times.

Please let us know which one you'd like to go with.

Thanks!!

Thanks & Regards,

Kelly Au Vu
Client Services Specialist



www.nvllabs.com

Your feedback is very important to us!

ph: 206.547.0100 | fax: 206.634.1936
toll free: 1.888.NVL.LABS (685.5227)
4708 Aurora Avenue North, Seattle, WA 98103

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January 27, 2023

Claire Tsai

PBS Environmental Seattle

214 E Galer St. Suite. 300

Seattle, WA 98102



L Batch # 2301606.00

R : Total Metal Analysis

Method: PA 7000B Lead by AA paint

Item Code: AA 02

Client Project: 40573.247

Location: Kirkland Heights Apartments 25 Buildings Interiors and Roof

Dear Ms. Tsai,

NVL Labs received 4 sample(s) for the said project on 1/27/2023. 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 #: 2301606.00

Matrix: Paint
Method: EPA 3051/7000B
Client Project #: 40573.247
Date Received: 1/27/2023
Samples Received: 4
Samples Analyzed: 4

Attention: Ms. Claire Tsai

Project Location: Kirkland Heights Apartments 25 Buildings Exteriors and Roof

Lab ID	Client Sample #	Sample Weight (g)	RL in mg/Kg	Results in mg/Kg	Results in percent
23010531	40573.247-Pb13	0.1886	53	400	0.040
23010532	40573.247-Pb14	0.1576	63	590	0.059
23010533	40573.247-Pb15	0.1962	51	400	0.040
23010534	40573.247-Pb16	0.2285	44	380	0.038

Sampled by: Client

Analyzed by: Yasuyuki Hida

Reviewed by: Shalini Patel

Date Analyzed: 01/27/2023

Date Issued: 01/27/2023


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: 2023-0127-05

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 2301606.00
TAT 2 Days **AH** No
Rush TAT
Due Date 1/31/2023 **Time** 11:10 AM
Email claire.tsai@pbsusa.com
Fax (866) 727-0140

Project Name/Number: 40573.247 **Project Location:** Kirkland Heights Apartments 25 Buildings E teriors and Roof

Subcategory Flame AA (FAA)
Item Code FAA-02 EPA 7000B Lead by FAA <paint>

Total Number of Samples 4 **Rush Samples**

	Lab ID	Sample ID	Description	A/R
1	23010531	40573.247-Pb13		A
2	23010532	40573.247-Pb14		A
3	23010533	40573.247-Pb15		A
4	23010534	40573.247-Pb16		A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Client				

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Shaista Khan		NVL	1/27/23	1110
Analyzed by	Yasuyuki Hida		NVL	1/27/23	
Results Called by					
☐ Faxed ☐ Emailed					

Special Instructions:

Date: 1/27/2023
 Time: 1:42 PM
 Entered By: Shaista Khan



LABORATOI

2301606

NY

Project: Kirkland Heights Apartments 25 Buildings Exteriors and roofProject #: 40573.247 Page 1 of 1Analysis requested: FAADate: 1/26/2023Relinq'd by/Signature: Claire TsaiDate/Time: 1/26/2023Received by/Signature: [Signature]Date/Time: 1/26/2023 11:10 AMEmail ALL INVOICES to: seattleap@pbsusa.com

E-mail results to:

- ☐ Willem Mager
☐ Gregg Middaugh
☒ Mark Hiley
☐ Tim Ogden
☐ Ryan Hunter
☐ Prudy Stoudt-McRae
☐ Janet Murphy

- ☐ Allison Welch
☐ Toan Nguyen
☐ Peter Stensland
☒ Claire Tsai
☐ Holly Tuttle
☐ Mike Smith
☐ Ferman Fletcher

- ☐ Cameron Budnick
☐ Mae Reilly
☐ Nick San
☐ Kameron DeMonnin
☐ _____

TURN AROUND TIME:

- ☐ 1 Hour
☐ 2 Hours
☐ 4 Hours

- ☐ 24 Hours
☒ 48 Hours

- ☐ 3 Days
☐ Other _____

SAMPLE DATA FORM

Sample #	Material	Location	Lab
Pb13	Blue/ wood/ siding	Bldg 5	NVL
Pb14	Brown/ wood/ siding	Bldg 20	
Pb15	Green/ wood/ siding	Bldg 13	
Pb16	White/ wood/ trim	Bldg 13	

January 25, 2023

Claire Tsai

PBS Environmental Seattle

214 E Galer St. Suite. 300

Seattle, WA 98102



L Batch # 2301254.00

R : Total Metal Analysis
Method: PA 7000B Lead by AA paint
Item Code: AA 02

Client Project: 40573.247

Location: Kirkland Heights Apartment 25 Buildings

Dear Ms. Tsai,

NVL Labs received 2 sample(s) for the said project on 1/23/2023. 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 #: 2301254.00

Matrix: Paint
Method: EPA 3051/7000B
Client Project #: 40573.247
Date Received: 1/23/2023
Samples Received: 2
Samples Analyzed: 2

Attention: Ms. Claire Tsai

Project Location: Kirkland Heights Apartment 25 Buildings

Lab ID	Client Sample #	Sample Weight (g)	RL in mg/Kg	Results in mg/Kg	Results in percent
23008525	40573.247-TH-Pb1	0.0980	100	< 100	<0.010
23008526	40573.247-TH-Pb2	0.1526	66	< 66	<0.0066

Sampled by: Client

Analyzed by: Yasuyuki Hida

Reviewed by: Shalini Patel

Date Analyzed: 01/24/2023

Date Issued: 01/25/2023


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: 2023-0124-02

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 2301254.00
TAT 4 Days **AH** No
Rush TAT
Due Date 1/27/2023 **Time** 2:00 PM
Email claire.tsai@pbsusa.com
Fax (866) 727-0140

Project Name/Number: 40573.247 **Project Location:** Kirkland Heights Apartment 25 Buildings

Subcategory Flame AA (FAA)
Item Code FAA-02 EPA 7000B Lead by FAA <paint>

Total Number of Samples 2 **Rush Samples**

	Lab ID	Sample ID	Description	A/R
1	23008525	40573.247-TH-Pb1		A
2	23008526	40573.247-TH-Pb2		A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Courier				

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Kelly AuVu		NVL	1/23/23	1400
Analyzed by	Yasuyuki Hida		NVL	1/24/23	
Results Called by					
☐ Faxed ☐ Emailed					

Special Instructions:

Date: 1/23/2023
 Time: 2:48 PM
 Entered By: Kelly AuVu

Project: Kirkland Heights Apartments 25 Buildings

Project #: 40573.247 Page 1 of 1

Analysis requested: FAA lead in paint

Date: 1/20/2023

Relinq'd by/Signature:

Date/Time: 1/20/23

Received by/Signature:

Date/Time: 1/23/23 1400

Email ALL INVOICES to: seattleap@pbsusa.com

E-mail results to:

- ☐ Willem Mager
☐ Gregg Middaugh
☒ Mark Hiley
☐ Tim Ogden
☐ Ryan Hunter
☐ Prudy Stoudt-McRae
☐ Janet Murphy

- ☐ Allison Welch
☐ Toan Nguyen
☐ Peter Stensland
☒ Claire Tsai
☐ Holly Tuttle
☐ Mike Smith
☐ Ferman Fletcher

- ☐ Cameron Budnick
☐ Mae Reilly
☐ Nick San
☐ Kameron DeMonnin
☐

TURN AROUND TIME:

- ☐ 1 Hour
☐ 2 Hours
☐ 4 Hours

- ☐ 24 Hours
☒ 48 Hours

- ☒ 4 Days
☐ Other _____

[illegible]

Kelly Au Vu

From: Claire Tsai <Claire.Tsai@pbsusa.com>
Sent: Monday, January 23, 2023 2:08 PM
To: Kelly Au Vu
Subject: Re: 40573.247

Could you please do 4 day.

Claire Tsai | Industrial Hygiene Project Manager | PBS Seattle | 206.762.4780 (direct) | 425.686.2077 (cell)

From: Kelly Au Vu <kelly.a@nvllabs.com>
Sent: Monday, January 23, 2023 2:06:48 PM
To: Claire Tsai <Claire.Tsai@pbsusa.com>
Subject: 40573.247

Hi Claire,

We received samples today via courier for Kirkland Heights project, but the TAT is marked for both 2 day and 4 day turnaround times.

Please let us know which one you'd like to go with.

Thanks!!

Thanks & Regards,

Kelly Au Vu
Client Services Specialist



www.nvllabs.com

Your feedback is very important to us!

ph: 206.547.0100 | fax: 206.634.1936
toll free: 1.888.NVL.LABS (685.5227)
4708 Aurora Avenue North, Seattle, WA 98103

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January 19, 2023

Shalini Murphy

PBS Environmental Seattle

214 E Galer St. Suite. 300

Seattle, WA 98102



L Batch # 2300995.00

R : Total Metal Analysis
Method: PA 7000B Lead by AA paint
Item Code: AA 02

Client Project: 40573.247

Location: Kirkland Heights

Dear Ms. Murphy,

NVL Labs received 2 sample(s) for the said project on 1/18/2023. 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 90 days 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 #: 2300995.00

Matrix: Paint
Method: EPA 3051/7000B
Client Project #: 40573.247
Date Received: 1/18/2023
Samples Received: 2
Samples Analyzed: 2

Attention: Ms. anet Murphy
Project Location: Kirkland Heights

Lab ID	Client Sample #	Sample Weight (g)	RL in mg/Kg	Results in mg/Kg	Results in percent
23006836	40573.247-C-Pb1	0.1940	52	< 52	<0.0052
23006837	40573.247-C-Pb2	0.1867	54	< 54	<0.0054

Sampled by: Client

Analyzed by: Yasuyuki Hida

Reviewed by: Shalini Patel

Date Analyzed: 01/19/2023

Date Issued: 01/19/2023


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: 2023-0119-02

FAA-02

LEAD LABORATORY SERVICES



Company PBS Environmental - Seattle
Address 214 E Galer St. Suite. 300
 Seattle, WA 98102
Project Manager Ms. anet Murphy
Phone (206) 233-9639
Cell (206) 409-9904
NVL Batch Number 2300995.00
TAT 3 Days **AH** No
Rush TAT
Due Date 1/23/2023 **Time** 4:05 PM
Email anet.murphy@pbsusa.com
Fax (866) 727-0140

Project Name/Number: 40573.247 **Project Location:** Kirkland Heights

Subcategory Flame AA (FAA)
Item Code FAA-02 EPA 7000B Lead by FAA <paint>

Total Number of Samples 2 **Rush Samples**

	Lab ID	Sample ID	Description	A/R
1	23006836	40573.247-C-Pb1		A
2	23006837	40573.247-C-Pb2		A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Courier				

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Kelly AuVu		NVL	1/18/23	1605
Analyzed by	Yasuyuki Hida		NVL	1/19/23	
Results Called by					
☐ Faxed ☐ Emailed					

Special Instructions:

Date: 1/18/2023
 Time: 4:24 PM
 Entered By: Kelly AuVu



January 19, 2023

Shalini Murphy

PBS Environmental Seattle

214 E Galer St. Suite. 300

Seattle, WA 98102



L Batch # 2300997.00

R : Total Metal Analysis
Method: PA 7000B Lead by AA paint
Item Code: AA 02

Client Project: 40573.247

Location: Kirkland Heights Community Room

Dear Ms. Murphy,

NVL Labs received 5 sample(s) for the said project on 1/18/2023. 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 #: 2300997.00

Matrix: Paint
Method: EPA 3051/7000B
Client Project #: 40573.247
Date Received: 1/18/2023
Samples Received: 5
Samples Analyzed: 5

Attention: Ms. anet Murphy

Project Location: Kirkland Heights Community Room

Lab ID	Client Sample #	Sample Weight (g)	RL in mg/Kg	Results in mg/Kg	Results in percent
23006838	40573.247-C-Pb3	0.0730	140	< 140	<0.014
23006839	40573.247-C-Pb4	0.1988	50	< 50	<0.0050
23006840	40573.247-C-Pb5	0.1898	53	200	0.020
23006841	40573.247-C-Pb6	0.1340	75	< 75	<0.0075
23006842	40573.247-C-Pb7	0.1874	53	< 53	<0.0053

Sampled by: Client

Analyzed by: Yasuyuki Hida

Reviewed by: Shalini Patel

Date Analyzed: 01/19/2023

Date Issued: 01/19/2023


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: 2023-0119-02

FAA-02

LEAD LABORATORY SERVICES



Company PBS Environmental - Seattle
Address 214 E Galer St. Suite. 300
 Seattle, WA 98102
Project Manager Ms. anet Murphy
Phone (206) 233-9639
Cell (206) 409-9904
NVL Batch Number **2300997.00**
TAT 3 Days **AH** No
Rush TAT
Due Date 1/23/2023 **Time** 4:05 PM
Email anet.murphy@pbsusa.com
Fax (866) 727-0140

Project Name/Number: 40573.247 **Project Location:** Kirkland Heights Community Room

Subcategory Flame AA (FAA)
Item Code FAA-02 EPA 7000B Lead by FAA <paint>

Total Number of Samples 5 **Rush Samples**

	Lab ID	Sample ID	Description	A/R
1	23006838	40573.247-C-Pb3		A
2	23006839	40573.247-C-Pb4		A
3	23006840	40573.247-C-Pb5		A
4	23006841	40573.247-C-Pb6		A
5	23006842	40573.247-C-Pb7		A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Courier				

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Kelly AuVu		NVL	1/18/23	1605
Analyzed by	Yasuyuki Hida		NVL	1/19/23	
Results Called by					
☐ Faxed ☐ Emailed					

Special Instructions:

Date: 1/18/2023
 Time: 4:26 PM
 Entered By: Kelly AuVu

January 20, 2023

Shalini Murphy

PBS Environmental Seattle

214 E Galer St. Suite. 300

Seattle, WA 98102



L Batch # 2301093.00

R : Total Metal Analysis
Method: PA 7000B Lead by AA paint
Item Code: AA 02

Client Project: 40573.247

Location: Kirkland Heights Bldg. 5 Office

Dear Ms. Murphy,

NVL Labs received 4 sample(s) for the said project on 1/19/2023. 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'.

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 #: 2301093.00

Matrix: Paint
Method: EPA 3051/7000B
Client Project #: 40573.247
Date Received: 1/19/2023
Samples Received: 4
Samples Analyzed: 4

Attention: Ms. anet Murphy

Project Location: Kirkland Heights Bldg. 5 Office

Lab ID	Client Sample #	Sample Weight (g)	RL in mg/Kg	Results in mg/Kg	Results in percent
23007387	40573.247-C-Pb8	0.0698	140	< 140	<0.014
23007388	40573.247-C-Pb9	0.0750	130	< 130	<0.013
23007389	40573.247-C-Pb10	0.0390	190	< 190	<0.019
23007390	40573.247-C-Pb11	0.1917	52	< 52	<0.0052

Comments: Small sample size (<0.05g) for 40573.247-C-Pb10.

Sampled by: Client

Analyzed by: Yasuyuki Hida

Reviewed by: Shalini Patel

Date Analyzed: 01/20/2023

Date Issued: 01/20/2023


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: 2023-0120-03

FAA-02

LEAD LABORATORY SERVICES



Company PBS Environmental - Seattle
Address 214 E Galer St. Suite. 300
 Seattle, WA 98102
Project Manager Ms. anet Murphy
Phone (206) 233-9639
Cell (206) 409-9904
NVL Batch Number 2301093.00
TAT 3 Days **AH** No
Rush TAT
Due Date 1/24/2023 **Time** 4:00 PM
Email anet.murphy@pbsusa.com
Fax (866) 727-0140

Project Name/Number: 40573.247 **Project Location:** Kirkland Heights Bldg. 5 Office

Subcategory Flame AA (FAA)
Item Code FAA-02 EPA 7000B Lead by FAA <paint>

Total Number of Samples 4 **Rush Samples**

	Lab ID	Sample ID	Description	A/R
1	23007387	40573.247-C-Pb8		A
2	23007388	40573.247-C-Pb9		A
3	23007389	40573.247-C-Pb10		A
4	23007390	40573.247-C-Pb11		A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Courier				

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Fatima Khan		NVL	1/19/23	1600
Analyzed by	Yasuyuki Hida		NVL	1/20/23	
Results Called by					
☐ Faxed ☐ Emailed					

Special Instructions:

Date: 1/19/2023
 Time: 4:21 PM
 Entered By: Fatima Khan

Project:

Kirkland Heights
Bldg 5. Office

Project #:

40573.247

Analysis requested:

Lead PAs

Date:

1/18/23

Relinq'd by/Signature:

Janet Murphy

Date/Time:

e: 118123

Received by/Signature:


 Email ALL INVOICES to: seattle@mullooly.com

Date/Time:

e: 11/9/23 Yrscare,

Email ALL INVOICES to: seattleap@pbsusa.com

E-mail results to:

- ☐ Willem Mager
- ☐ Gregg Middaugh
- ☐ Mark Hiley
- ☐ Tim Ogden
- ☐ Ryan Hunter
- ☐ Prudy Stoudt-McRae

- ☒ Janet Murphy
☐ Kaitlin Soukup
☐ Allison Welch
☐ Toan Nguyen
☐ Peter Stensland
☒ Claire Tsai

- ☐ Holly Tuttle
☐ Mike Smith
☐ Ferman Fletcher
☐ Cameron Budnick
☒ Kameron DeMonnin
☐

TURN AROUND TIME:

- ☐ 1 Hour
☐ 2 Hours
☐ 4 Hours

- ☐ 24 Hours
☐ 48 Hours

- ☐ 3-5 Days
☒ Other 2 Days

SAMPLE DATA FORM

[illegible]

January 20, 2023

Shalini Murphy

PBS Environmental Seattle

214 E Galer St. Suite. 300

Seattle, WA 98102



L Batch # 2301094.00

R : Total Metal Analysis
Method: PA 7000B Lead by AA paint
Item Code: AA 02

Client Project: 40573.247

Location: Kirkland Heights Maintenance Shop

Dear Ms. Murphy,

NVL Labs received 1 sample(s) for the said project on 1/19/2023. 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 90 days 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 #: 2301094.00

Matrix: Paint
Method: EPA 3051/7000B
Client Project #: 40573.247
Date Received: 1/19/2023
Samples Received: 1
Samples Analyzed: 1

Attention: Ms. Janet Murphy
Project Location: Kirkland Heights Maintenance Shop

Lab ID	Client Sample #	Sample Weight (g)	RL in mg/Kg	Results in mg/Kg	Results in percent
23007391	40573.247-C-Pb12	0.2120	47	< 47	<0.0047

Sampled by: Client

Analyzed by: Yasuyuki Hida

Reviewed by: Shalini Patel

Date Analyzed: 01/20/2023

Date Issued: 01/20/2023


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: 2023-0120-05

FAA-02

LEAD LABORATORY SERVICES



Company PBS Environmental - Seattle
Address 214 E Galer St. Suite. 300
 Seattle, WA 98102
Project Manager Ms. anet Murphy
Phone (206) 233-9639
Cell (206) 409-9904
NVL Batch Number 2301094.00
TAT 3 Days **AH** No
Rush TAT
Due Date 1/24/2023 **Time** 4:00 PM
Email anet.murphy@pbsusa.com
Fax (866) 727-0140

Project Name/Number: 40573.247 **Project Location:** Kirkland Heights Maintenance Shop

Subcategory Flame AA (FAA)
Item Code FAA-02 EPA 7000B Lead by FAA <paint>

Total Number of Samples 1 **Rush Samples**

	Lab ID	Sample ID	Description	A/R
1	23007391	40573.247-C-Pb12		A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Courier				

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Fatima Khan		NVL	1/19/23	1600
Analyzed by	Yasuyuki Hida		NVL	1/20/23	
Results Called by					
☐ Faxed ☐ Emailed					

Special Instructions:

Date: 1/19/2023
 Time: 4:22 PM
 Entered By: Fatima Khan

APPENDIX C

Certifications

THIS IS TO CERTIFY THAT

CLAIRE TSAI

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:

11/10/2022

Course Location:

Online

Certificate:

IR-22-7316B

For verification of the authenticity of this
certificate contact:

PBS Engineering and Environmental Inc.
4412 S Corbett Avenue
Portland, OR 97239

503-246-1989

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: 11/10/2023



Andy Fridley, Instructor

Certificate of Completion

This is to certify that

Ferman L. Fletcher

has satisfactorily completed
4 hours of online refresher training as an
AHERA Building Inspector

to comply with the training requirements of
TSCA Title II, 40 CFR 763 (AHERA)

EPA Provider # 1085

184489
Certificate Number



Apr 5, 2022 Expires in 1 year.

Date(s) of Training

Exam Score: N/A
(if applicable)

A handwritten signature in black ink, appearing to read "Z. Zwanenburg".

Instructor: Andre Zwanenburg

ARGUS PACIFIC, INC / 21905 64th AVE W, SUITE 100 / MOUNTLAKE TERRACE, WASHINGTON 98043 / 206.285.3373 / ARGUSPACIFIC.COM

THIS IS TO CERTIFY THAT

JANET MURPHY

HAS SUCCESSFULLY COMPLETED THE TRAINING COURSE
for
ASBESTOS INSPECTOR / MANAGEMENT
PLANNER REFRESHER

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

Course Date:

03/02/2023

Course Location:

Online,

Certificate:

IMR-23-8300A

For verification of the authenticity of this
certificate contact:

PBS Engineering and Environmental Inc.

4412 S Corbett Avenue

Portland, OR 97239

503.248.1939

CCB #SRA0615 4-Hr Training

AHERA is the Asbestos Hazard Emergency
Response Act enacting Title II of Toxic
Substance Control Act (TSCA)

Expiration Date: 03/02/2024



Andy Fridley, Instructor



THIS IS TO CERTIFY THAT

MAE REILLY

HAS SUCCESSFULLY COMPLETED THE TRAINING COURSE

for

ASBESTOS INSPECTOR INITIAL COURSE

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

Course Date:

7/11/2022 - 7/13/2022

Course Location:

Portland, OR

Certificate:

IN-22-0591C

For verification of the authenticity of this
certificate contact:
PBS Engineering and Environmental Inc.

CCB #SRA0614 24-Hr Training

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

Expiration Date: 07/13/2023



Andy Fridley, Instructor



THIS IS TO CERTIFY THAT

RYAN HUNTER
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: 02/13/2023

Course Location: Online

Certificate: IRO-23-7254B

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

CCB #SRA0615 4-Hr Training

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

Expiration Date: 02/13/2024



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

Andy Fridley, Instructor