



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

Notice of Intent to Remove Asbestos

Case #: 24-515

Amendment: 0

Date Received: 7/25/2024

Date Paid: 7/25/2024

SWCAA Fee: \$0.00

Receipt #:

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

Quantity to be removed: 4 Square Feet 0 Linear Feet

Workshift days: M

Project starting date: 8/5/2024 Project Completion date: 8/5/2024

Workshift hours: 7:00 am - 3:30pm

Site Name: 50th Ave Asbestos

Site address: 5078 Pioneer St.

Location of Asbestos: Flooring

City/State/Zip: Ridgefield

WA 98642

☒ Demolition of Structure (Notification of Demolition required)

County: CLARK COUNTY

☒ Asbestos survey conducted?

No survey reason:

AHERA Inspector: Joe Lucas

Certification #: IRO-24-3527B

Material to be Removed:

- | | | | | | |
|--|--|------------------------------|--------------------------------------|--|------------------------------------|
| ☐ Fireproofing | ☐ Popcorn Ceiling | ☐ CAB | ☐ Sheet Vinyl | ☐ Boiler Insulation | ☐ Duct Tape |
| ☐ Duct Paper | ☐ Mag Pipe Insulation | | ☐ Air Cell | ☐ CA Pipe | ☐ VAT |
| ☒ Other Vinyl Floor Tile | | | | | |

Control Methods:

- | | | | | | |
|---|------------------------------------|---|---------------------------------------|---|--|
| ☒ N.P Enclosure | ☐ Glove Bag | ☐ Mini Enclosure | ☐ Wrap and Cut | ☒ Water | ☒ HEPA Vac |
| ☒ Other Manual Methods, Critical Barriers | | | | | |

Asbestos Contractor: 3 Kings Environmental Inc.

Phone: 253-750-4143

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

Email: jhawks@3kingsinc.com

Certification ##: ABCN00001318

Supervisor: Brad Hemphill

Phone: 253-750-4143

Property Owner: Active Construction Inc.

Phone: 253-905-1077

Mailing Address: PO Box 430, Puyallup WA 98731

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

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

Submitter Name: Kristine Bantz

Representing: 3 Kings Environmental

Submitter Title: Office Admin

Date Submitted: 7/25/2024

Reviewed by SWCAA: Danielle Kreps

Danielle Kreps

☒ Approved



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Limited Pre-Demolition Hazardous Building Materials Survey Report

5078 Pioneer Street
Ridgefield, Washington 98642

Prepared for:
City of Ridgefield
487 S 56th Place
Ridgefield, Washington 98642

General Information	1.1
Inspection Summary	1.2
Hazardous Material Sample Inventories	2.1
Laboratory Data	Not Numbered
AHERA Certificate	Not Numbered

July 2024
PBS Project 78341.002, Phase 0001



1325 SE TECH CENTER DR
SUITE 140
VANCOUVER, WA 98660
360.695.3488 MAIN
PBSUSA.COM

General Information

CLIENT DATA

City of Ridgefield
487 S 56th Place
Ridgefield, Washington 98642

BUILDING DATA

Residential Property
5078 Pioneer Street
Ridgefield, Washington 98642

Survey Scope

PBS Engineering and Environmental LLC (PBS) has performed a limited pre-demolition hazardous building materials survey of accessible areas of the residential property (Project Area) located at 5078 Pioneer Street in Ridgefield, Washington, and compiled this report with the following information:

- Inspection summary:
 - Asbestos-containing building materials (ACBMs)
 - Lead paint survey
 - Suspect polychlorinated biphenyl (PCB) containing materials and equipment
 - Inventory of chlorofluorocarbon (CFC) and/or hydrochlorofluorocarbon (HCFC) cooling equipment
- Hazardous materials sample inventories including laboratory analytical data of bulk materials sampled

With regards to asbestos, PBS endeavored to locate all assessable suspect asbestos-containing materials (ACMs) within the Project Area included in the demolition scope of work; however, suspect ACMs may be present and concealed inside energized and/or inaccessible equipment and interstitial wall, ceiling, or floor spaces. If suspect materials are uncovered during demolition activities that are not identified in this report, testing should be performed prior to impact. Lead paint sampling is representative of only major components.

PBS has conducted a physical inspection of the Project Area; compiled this report consistent with the survey scope; and certifies that the information is correct and accurate within the standards of professional quality and contractual obligations.

Joe Lucas, CIH
Project Manager
Accreditation Number: IR-22-3527B

Seireadan Kindrick
Industrial Hygienist / Prime Inspector
Accreditation Number: IRO-24-1288C

Signature

Date

Signature

Date

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INSPECTION SUMMARY

DATES	SURVEYED BY	ACTIVITY
06/2024	Seireadan Kindrick	Survey and Inspection
07/2024	Seireadan Kindrick	Complete Report

PBS Engineering and Environmental LLC (PBS) has investigated accessible locations of the Project Area to locate suspect asbestos-containing materials (ACMs). Suspect materials may be present in concealed areas (e.g., behind walls and under carpet). The findings are listed below.

ASBESTOS MATERIALS

The following materials either tested positive, or based on the experience of PBS field personnel, were not tested and should be considered asbestos-containing. Materials that had mixed results are considered positive. Materials that were not sampled may contain asbestos. If any of untested materials will be impacted by demolition activities, they should be tested to verify asbestos content prior to impact.

(+) Tested Positive, (M) Mixed Results, (P) Presumed Positive, (T) Previously tested Positive, (SF) Square Feet, (LF) Linear Feet, (EA) Each.

See sample inventory for specific results.

<u>Results</u>	<u>Material Description</u>	<u>Location</u>	<u>Details</u>
(+) 5%	Vinyl Floor Tile on Hardwood Subfloor	Kitchen, Southeast Area Underneath the Dishwasher	4 SF, Non-Friable, Fair Condition, Response Action: Remove Prior to Demolition Activities

MATERIALS THAT TESTED NEGATIVE FOR ASBESTOS

The following materials tested negative based on Asbestos School Hazard Abatement Reauthorization Act (ASHARA) sampling minimums and testing by National Voluntary Laboratory Accreditation Program (NVLAP) participating laboratories. Although no asbestos was detected, it is possible that further sampling could indicate asbestos content.

Material	Location
Gypsum Wallboard with Joint Compound	Various walls and ceilings of the house
Ceramic Tile and Grout: 4" White Ceramic Tile with Red Grout 12" Beige Ceramic Tile with Gray/Red Grout 12" Black Ceramic Tile with Gray bedding	Various locations throughout interior of the house
12" Stapled on Ceiling Tiles	Southeast bedroom
Red Brick and Gray Mortar	Various locations throughout scope of work area
White Flexible Caulking	Windows throughout the exterior of the house
Asphaltic Pressboard Siding	Throughout the exterior of the building underneath wood siding
Asphaltic Graveled Composition Shingles and Vapor Barrier	Throughout roof system of project area
Brown Vapor Barrier	Underneath wood flooring and wood siding throughout scope of work area
Blown-in Insulation	Throughout attic space
Light Fixture Insulating Pad	Throughout scope of work area
Rope Gasket	Living room chimney wall penetration

BACKGROUND

On June 24, 2024, PBS performed a limited pre-demolition hazardous building materials survey of the Project Area located at 5078 Pioneer Street in Ridgefield, Washington. The survey was requested by the City of Ridgefield in anticipation of the planned demolition project.

The purpose of the survey was to identify regulated hazardous building materials prior to demolition activities and satisfy the Washington State Department of Labor and Industries' (L&I) requirement that a "good faith inspection" for ACMs be conducted prior to renovation and demolition activities. The survey is intended to satisfy Occupational Safety and Health Administration (OSHA) hazard communication requirements as well as requirements by the Washington Administrative Code (WAC) to perform an asbestos inspection prior to renovation or demolition activities under WAC 296-62-07721 and WAC 296-155-176.

During the survey, samples were collected of all accessible suspect ACM, lead-containing paint, and PCB-containing materials. Asbestos samples were submitted under chain of custody to Eurofins LabCor in Portland, Oregon, for polarized light microscopy (PLM) asbestos analysis. Paint chips were collected from representative

building components to quantify lead content. Lead samples were submitted under chain of custody to NVL Labs in Seattle, Washington, for analysis by flame atomic absorption spectrometry (FLAAS). PCB samples were submitted under chain of custody to NVL Labs in Seattle, Washington, for analysis via gas chromatography.

Finally, hydrochlorofluorocarbon (HCFC) or chlorofluorocarbon (CFC) containing refrigeration equipment was quantified. Our findings are summarized below.

BUILDING DESCRIPTIONS

The Residential Property at 5078 Pioneer Street in Ridgefield, Washington has multiple structures: the house is a single-story, wood framed structure with a dirt crawlspace. The floors are finished with original hardwood, carpet, various types of ceramic tile, and vinyl floor tile on an original hardwood subfloor. The interior walls are finished with wood paneling. Newer gypsum wallboard systems are located in various locations. Ceilings are finished with a combination of wood paneling, gypsum wallboard, and stapled-on ceiling tiles. The exterior is composed of multiple layers of siding including newer painted wood siding, asphaltic pressboard siding, and original painted wood siding. The roofing system consists of graveled asphaltic 3-tab composition shingles on a wood deck. The detached outbuilding is a wood-framed structure with a concrete floor. Exterior finishes include painted wood siding and corrugated metal roofing.

ASBESTOS SUMMARY

The Project Area was inspected by a PBS Asbestos Hazard Emergency Response Act (AHERA) accredited inspector to determine the presence, location, and approximate quantity ACM. Twenty-two bulk samples of building materials, suspected of containing asbestos, were collected and submitted under chain of custody to Eurofins LabCor of Portland, Oregon, for PLM analysis. The following materials were found to contain asbestos:

- Asbestos-containing red 9" vinyl floor tile was found in the southeastern corner of the kitchen underneath the dishwasher and adhered to hardwood flooring. The black mastic associated with the red 9" vinyl floor tile was identified as non-asbestos containing by the laboratory.

Please refer to the asbestos materials inventory, asbestos bulk sample inventory, and laboratory reports for specific sample test results, descriptions, and locations.

Asbestos Regulations

PBS recommends that all ACM to be impacted by the project be removed prior to demolition activities. A qualified Washington State licensed asbestos abatement contractor should be employed to remove all such ACM according to all applicable local, state, and federal regulations.

OSHA provides federal regulations governing asbestos (29 Code of Federal Regulations [CFR] Part 1926.1101). These regulations have made significant changes in work procedures and how ACMs are removed. OSHA believes that the single biggest concern is for workers who unknowingly or improperly disturb ACM. Hazard communication, training, personal protection, work practices, exposure monitoring, and recordkeeping are all major components of the regulation. Work impacting asbestos is subject to the requirements of various regulations, including, but not limited to: 40 CFR Part 61, National Emission Standards for Hazardous Air Pollutants (NESHAPS); 40 CFR Part 763, AHERA; WAC 296-62 and 296-65; and Southwest Clean Air Agency (SWCAA).

LEAD SUMMARY

Paint was sampled for lead content for the sake of hazard communication. Four paint chip samples were collected from representative building components from painted interior and exterior building components. Samples were submitted under chain of custody to NVL Labs of Seattle, Washington, for analysis of lead content via FLAA. Lead analysis results revealed that lead is present in 3 of the 4 submitted samples, with concentrations ranging from 550 parts per million (ppm) to 190,000 ppm.

See the lead sample inventory section of this report for representative building components and corresponding results. Additionally, refer to the lead bulk sample inventory and laboratory reports for specific sample test results, descriptions, locations, and additional information. The paint testing conducted for this survey was limited in scope. The report information and testing results are not to be considered an exhaustive investigation of lead-containing paint on all building surfaces. All painted surfaces not identified in this report should be presumed to contain lead.

Lead-Containing Paint Regulations

The Consumer Product Safety Commission limit for lead in consumer paint products is 0.009% or 90 ppm or greater. The Department of Housing and Urban Development (HUD) and the EPA define lead-based paint as that which contains 0.5% or 5,000 ppm. Under OSHA, any lead concentration in paint that may become airborne during construction operations triggers requirements in the OSHA Lead in Construction Standard 29 CFR 1926.62 to protect employees impacting the paint.

L&I regulations for Lead in Construction (WAC 296-62-155) govern the impact of painted surfaces with detectable lead. The WAC standard outlines worker exposure limits, personal protection, and employer responsibility for exposure assessment, training, and recordkeeping. This applies to all work where employees may be exposed to lead. This includes demolition of structures where lead-containing materials are present.

Disposal

Under WAC 173-303 Dangerous Waste Regulations, waste characterization should be performed via Toxicity Characteristic Leaching Procedure in accordance with EPA Method 1311 for waste streams suspected of containing lead prior to disposal. Refer to the WAC Dangerous Waste Regulations for proper disposal of lead-based painted demolition waste.

PBS collected a representative waste stream sample in accordance with WAC Dangerous Waste Regulations. Results of the sampling indicated a concentration of <0.5 ppm for lead leaching mobility. This is below the hazardous waste designation of 5.0 ppm. This is an indication that the proposed demolition waste stream may be disposed of as general construction debris.

POLYCHLORINATED BIPHENYLS (PCBS) SUMMARY

Exterior caulking was tested for the presence of PCBs. The sample was assigned a unique identification number and transmitted to an accredited laboratory under chain-of-custody protocols in accordance with EPA Method 8082A. The analysis determined that detectable concentrations of PCBs were not present in the caulking sampled. PCB levels above 50 parts per million (>50 ppm) were not detected in the sample collected. Refer to the attached PCB Bulk Sample Inventory for more information regarding the PCB concentrations, components tested, sample descriptions, and locations.

PCB Regulations

In 1976, Congress banned PCB manufacturing in the United States due to their toxic effects. In July 1979, EPA phased out the processing and use of PCBs, except in totally enclosed equipment. Some sealants installed before the 1976 ban or after 1979 may contain PCBs. EPA prohibits the use or continued use of bulk products that contain 50 ppm or greater PCBs in accordance with 40 CFR, Part 761. In addition, EPA requires disposal of these materials in accordance with 40 CFR, section 761.62 – Disposal of PCB Bulk Product Waste.

PBS recommends that all PCB-containing materials and equipment be removed and disposed of in accordance with 40 CFR Part 761 and appropriate EPA guidance documents. All potential PCB handling and disposal should be performed by trained and experienced hazardous materials remediation professionals using appropriate engineering controls and work practices, in accordance with all applicable local, state and federal regulations pending an initial exposure assessment. See the project specifications and drawings regarding the project requirements for PCB handling and disposal.

HYDROCHLOROFLUOROCARBON- AND CHLOROFLUOROCARBON-CONTAINING EQUIPMENT SUMMARY

PBS observed one refrigerator appliance in the house. This type of equipment contains refrigerant (Freon) that may contain HCFC or CFC, which contributes to ozone depletion and is regulated by the Washington State Department of Ecology (Ecology). PBS recommends that all refrigeration and cooling devices be recycled whole, or refrigerants are evacuated and recovered prior to demolition and disposal. Those devices that will be demolished can be sent to a recycling facility where the refrigerant, oils, and metals can be recovered and recycled or disposed of appropriately.

This report is not suitable as a bid document or an asbestos abatement design. The purpose of this report is risk hazard communication only.

Attachments

Hazardous Material Inventories

Laboratory Data

AHERA Certifications

<u>Code</u>	<u>Material</u>	<u>Location</u>	<u>Results</u>	<u>Lab</u>
78341.002-0001	Gypsum Wallboard/Joint Compound	Main living room, north wall, white gypsum wallboard with white compound		Eurofins LabCor PDX
		Layer: Layer 1 Description: White Drywall with Brown Paper Analysis: No Asbestos Detected		
78341.002-0002	Rope Gasket	Main living room, north wall, chimney wall penetration, white rope gasket		Eurofins LabCor PDX
		Layer: Layer 1 Description: White Woven Material Analysis: No Asbestos Detected		
78341.002-0003	Ceramic Tile/Grout (1)	Kitchen, south counter top, 4" white ceramic tile with red grout		Eurofins LabCor PDX
		Layer: Layer 1 Description: Off-White Ceramic Tile Analysis: No Asbestos Detected		
		Layer 2 Red Grout No Asbestos Detected		
		Layer 3 Red-Brown Mastic No Asbestos Detected		
78341.002-0004	Ceramic Tile/Grout (2)	Kitchen, east area, 12" beige ceramic tile with gray/red backing		Eurofins LabCor PDX
		Layer: Layer 1 Description: Off-White Ceramic Tile Analysis: No Asbestos Detected		
		Layer 2 Gray Grout No Asbestos Detected		
78341.002-0005	Vinyl Floor Tile/Mastic	Kitchen, southeast corner underneath dish washer, 9" red vinyl floor tile with black mastic		Eurofins LabCor PDX
		Layer: Layer 1 Description: Red Floor Tile Analysis: 5% Chrysotile		
		Layer 2 Black Mastic (Trace) No Asbestos Detected		
78341.002-0006	Ceramic Tile/Grout (3)	Bathroom, floor by door, 12" black ceramic tile with gray bedding		Eurofins LabCor PDX
		Layer: Layer 1 Description: Tan Ceramic Tile with Black Glaze Analysis: No Asbestos Detected		
		Layer 2 Tan Grout No Asbestos Detected		

<u>Code</u>	<u>Material</u>	<u>Location</u>	<u>Results</u>	<u>Lab</u>
78341.002-0007	Gypsum Wallboard/Joint Compound	Bathroom, south wall, white gypsum wallboard with white compound		Eurofins LabCor PDX
		Layer:	Description:	
		Layer 1	White Compound with Gray Paint	
		Layer 2	Tan Compound with Gray Paint	
		Layer 3	White Drywall with Brown Paper	
78341.002-0008	Stapled on Ceiling Tiles	Southeast bedroom, 12" pinholed stapled on ceiling tile		Eurofins LabCor PDX
		Layer:	Description:	
		Layer 1	Brown Ceiling Tile with White Surface	
78341.002-0009	Gypsum Wallboard/Joint Compound	Southeast bedroom, west wall, white gypsum wallboard with white compound		Eurofins LabCor PDX
		Layer:	Description:	
		Layer 1	White Compound with Gray Paint	
		Layer 2	Cream Tape	
		Layer 3	Off-White Joint Compound	
		Layer 4	White Drywall with Brown Paper	
78341.002-0010	Light Fixture Insulating Pad	Kitchen, under light fixture, fibrous yellow/brown light fixture insulating pad		Eurofins LabCor PDX
		Layer:	Description:	
		Layer 1	Brown Insulation	
		Layer 2	Black Tar	
78341.002-0011	Asphaltic Pressboard Siding	Northwest porch, south wall, behind wood siding, asphaltic press board siding with black vapor barrier		Eurofins LabCor PDX
		Layer:	Description:	
		Layer 1	Black Tar with Rocky Material	
		Layer 2	Brown Wood	
78341.002-0012	Blown-in Insulation	Throughout the attic space, brown/gray blown-in insulation		Eurofins LabCor PDX
		Layer:	Description:	
		Layer 1	Brown Insulation	

<u>Code</u>	<u>Material</u>	<u>Location</u>	<u>Results</u>	<u>Lab</u>
78341.002-0013	Mortar	Main living area, north wall behind gypsum wallboard and wood, red chimney brick with gray mortar		Eurofins LabCor PDX
		Layer:	Description:	Analysis:
		Layer 1	Red Brick	No Asbestos Detected
		Layer 2	Gray Mortar	No Asbestos Detected
		Layer 3	Black Coating (Trace)	No Asbestos Detected
78341.002-0014	Brown Vapor Barrier	Under hardwood floor throughout the building, brown/black tar vapor barrier		Eurofins LabCor PDX
		Layer:	Description:	Analysis:
		Layer 1	Brown Wrap with Black Mastic	No Asbestos Detected
78341.002-0015	3-Tab Composition Shingles (1)	Southwest area of the roof, black 3 tab asphaltic composition shingles with black vapor barrier		Eurofins LabCor PDX
		Layer:	Description:	Analysis:
		Layer 1	Black Roofing Shingle	No Asbestos Detected
		Layer 2	Black Felt	No Asbestos Detected
78341.002-0016	3-Tab Composition Shingles (2)	Southwest area of the roof underneath COMP 1, Brown 3 tab asphaltic composition shingles with black vapor barrier on wood deck		Eurofins LabCor PDX
		Layer:	Description:	Analysis:
		Layer 1	Black Roofing Shingle with Brown Rocks	No Asbestos Detected
		Layer 2	Black Roofing Shingle with Black Rocks	No Asbestos Detected
		Layer 3	Black Felt	No Asbestos Detected
78341.002-0017	3-Tab Composition Shingles (1)	South area of roof, black 3 tab asphaltic composition shingles with black vapor barrier		Eurofins LabCor PDX
		Layer:	Description:	Analysis:
		Layer 1	Black Roofing Shingle with Gray Rocks 1	No Asbestos Detected
		Layer 2	Black Roofing Shingle with Gray Rocks 2	No Asbestos Detected
		Layer 3	Black Roofing Shingle with Gray Rocks 3	No Asbestos Detected
		Layer 4	Black Felt	No Asbestos Detected

<u>Code</u>	<u>Material</u>	<u>Location</u>	<u>Results</u>	<u>Lab</u>
78341.002-0018	3-Tab Composition Shingles (2)	South area of roof underneath COMP 1, brown 3 tab asphaltic composition shingles with black vapor barrier on wood deck		Eurofins LabCor PDX
		Layer:	Description:	Analysis:
		Layer 1	Black Roofing Shingle with Tan Rocks 1	No Asbestos Detected
		Layer 2	Black Roofing Shingle with Tan Rocks 2	No Asbestos Detected
		Layer 3	Black Roofing Shingle with Tan Rocks 3	No Asbestos Detected
		Layer 4	Black Roofing Shingle with Tan Rocks 4	No Asbestos Detected
		Layer 5	Black Roofing Shingle with Tan Rocks 5	No Asbestos Detected
78341.002-0019	Mortar (2)	Southwest exterior entrance, red brick with gray mortar		Eurofins LabCor PDX
		Layer:	Description:	Analysis:
		Layer 1	Red Brick	No Asbestos Detected
		Layer 2	Gray Mortar	No Asbestos Detected
78341.002-0020	Asphaltic Pressboard Siding	South exterior, south wall, behind wood siding, asphaltic pressboard siding with black vapor barrier		Eurofins LabCor PDX
		Layer:	Description:	Analysis:
		Layer 1	Black Tar with Rocky Material	No Asbestos Detected
		Layer 2	Brown Wood	No Asbestos Detected
78341.002-0021	Brown Vapor Barrier	South exterior, behind second layer of wood siding, brown/black vapor barrier		Eurofins LabCor PDX
		Layer:	Description:	Analysis:
		Layer 1	Brown Wrap with Black Mastic	No Asbestos Detected
78341.002-0022	Caulk	South exterior, flexible white perimeter window frame caulking		Eurofins LabCor PDX
		Layer:	Description:	Analysis:
		Layer 1	White Caulk	No Asbestos Detected

<u>Code</u>	<u>Material</u>	<u>Analysis</u>	<u>Location</u>	<u>Lab</u>
PAINT				
LB78341.002-1001	Paint	<53 ppm	Main living area, north wall, gypsum, red, deteriorated	NVL Labs, Inc.
LB78341.002-1002	Paint	550 ppm	Northeast bedroom, ceiling, wood, white, deteriorated	NVL Labs, Inc.
LB78341.002-1003	Paint	4,600 ppm	South exterior, south wall, wood, gray/red, deteriorated	NVL Labs, Inc.
LB78341.002-1004	Paint	190,000 ppm	South exterior, third layer of siding on south wall, wood, gray, intact	NVL Labs, Inc.
TCLP				
LB78341.002-3001	TCLP	<0.5 ppm	Unpainted wood, painted wood, ceramic tile, brick and mortar, asphaltic pressboard siding, 3 tab asphaltic composition shingles, brown vapor barrier	NVL Labs, Inc.

Bulk Sample Inventory of PCB Containing Materials***City of Ridgefield******5078 Pioneer Street***

PBS Project 78341.002, Phase 0001

Sample #	Location	Component	Results
-PCB01	South Exterior, Perimeter Window Frame	Flexible White Caulking	<1.3

ppm = parts per million; ND = non-detect (below laboratory reporting limit. See lab report for further detail)

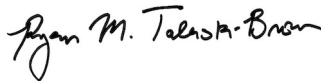
Report for:

Seireadan Kindrick, John Yuly
PBS Engineering and Environmental: Portland
4412 S Corbett Ave.
Portland, OR 97239

Regarding: Eurofins EPK Built Environment Testing, LLC
Project: 78341.002 Phase 0001
EML ID: 3687865

Approved by:

Dates of Analysis:
Asbestos PLM: 06-25-2024



Technical Manager
Ryan Talaski-Brown

Service SOPs: Asbestos PLM (EPA 40CFR App E to Sub E of Part 763 & EPA METHOD 600/R-93-116, SOP EM-AS-S-1267)
NVLAP Lab Code 200741-0

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. The results relate only to the samples as received and tested. The results include an inherent uncertainty of measurement associated with estimating percentages by polarized light microscopy. Measurement uncertainty data for sample results with >1% asbestos concentration can be provided when requested.

Eurofins EPK Built Environment Testing, LLC ("the Company"), a member of the Eurofins Built Environment Testing group of companies, shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

Client: PBS Engineering and Environmental: Portland
C/O: Seireadan Kindrick, John Yuly
Re: 78341.002 Phase 0001

Date of Sampling: 06-24-2024
Date of Receipt: 06-24-2024
Date of Report: 06-25-2024

ASBESTOS PLM REPORT

Total Samples Submitted: 22

Total Samples Analyzed: 22

Total Samples with Layer Asbestos Content > 1%: 1

Location: 78341.002-0001

Lab ID-Version‡: 18081530-1

Sample Layers	Asbestos Content
White Drywall with Brown Paper	ND
Composite Non-Asbestos Content:	8% Cellulose
Sample Composite Homogeneity:	Poor

Location: 78341.002-0002

Lab ID-Version‡: 18081531-1

Sample Layers	Asbestos Content
White Woven Material	ND
Composite Non-Asbestos Content:	98% Glass Fibers
Sample Composite Homogeneity:	Good

Location: 78341.002-0003

Lab ID-Version‡: 18081532-1

Sample Layers	Asbestos Content
Off-White Ceramic Tile	ND
Red Grout	ND
Red-Brown Mastic	ND
Sample Composite Homogeneity:	Good

Location: 78341.002-0004

Lab ID-Version‡: 18081533-1

Sample Layers	Asbestos Content
Off-White Ceramic Tile	ND
Gray Grout	ND
Sample Composite Homogeneity:	Moderate

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. The Company reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Client: PBS Engineering and Environmental: Portland
C/O: Seireadan Kindrick, John Yuly
Re: 78341.002 Phase 0001

Date of Sampling: 06-24-2024
Date of Receipt: 06-24-2024
Date of Report: 06-25-2024

ASBESTOS PLM REPORT

Location: 78341.002-0005

Lab ID-Version‡: 18081534-1

Sample Layers	Asbestos Content
Red Floor Tile	5% Chrysotile
Black Mastic (Trace)	ND
Sample Composite Homogeneity:	Moderate

Location: 78341.002-0006

Lab ID-Version‡: 18081535-1

Sample Layers	Asbestos Content
Tan Ceramic Tile with Black Glaze	ND
Tan Grout	ND
Sample Composite Homogeneity:	Moderate

Location: 78341.002-0007

Lab ID-Version‡: 18081536-1

Sample Layers	Asbestos Content
White Compound with Gray Paint	ND
Tan Compound with Gray Paint	ND
White Drywall with Brown Paper	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Moderate

Location: 78341.002-0008

Lab ID-Version‡: 18081537-1

Sample Layers	Asbestos Content
Brown Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	95% Cellulose
Sample Composite Homogeneity:	Good

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. The Company reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Client: PBS Engineering and Environmental: Portland
 C/O: Seireadan Kindrick, John Yuly
 Re: 78341.002 Phase 0001

Date of Sampling: 06-24-2024
 Date of Receipt: 06-24-2024
 Date of Report: 06-25-2024

ASBESTOS PLM REPORT

Location: 78341.002-0009

Lab ID-Version‡: 18081538-1

Sample Layers	Asbestos Content
White Compound with Gray Paint	ND
Cream Tape	ND
Off-White Joint Compound	ND
White Drywall with Brown Paper	ND
Composite Non-Asbestos Content:	15% Cellulose
Sample Composite Homogeneity:	Moderate

Location: 78341.002-0010

Lab ID-Version‡: 18081539-1

Sample Layers	Asbestos Content
Brown Insulation	ND
Black Tar	ND
Composite Non-Asbestos Content:	90% Glass Fibers
Sample Composite Homogeneity:	Good

Location: 78341.002-0011

Lab ID-Version‡: 18081540-1

Sample Layers	Asbestos Content
Black Tar with Rocky Material	ND
Brown Wood	ND
Composite Non-Asbestos Content:	80% Cellulose
Sample Composite Homogeneity:	Good

Location: 78341.002-0012

Lab ID-Version‡: 18081541-1

Sample Layers	Asbestos Content
Brown Insulation	ND
Composite Non-Asbestos Content:	85% Cellulose 10% Glass Fibers
Sample Composite Homogeneity:	Good

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Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Client: PBS Engineering and Environmental: Portland
 C/O: Seireadan Kindrick, John Yuly
 Re: 78341.002 Phase 0001

Date of Sampling: 06-24-2024
 Date of Receipt: 06-24-2024
 Date of Report: 06-25-2024

ASBESTOS PLM REPORT

Location: 78341.002-0013

Lab ID-Version‡: 18081542-1

Sample Layers	Asbestos Content
Red Brick	ND
Gray Mortar	ND
Black Coating (Trace)	ND
Sample Composite Homogeneity:	Moderate

Location: 78341.002-0014

Lab ID-Version‡: 18081543-1

Sample Layers	Asbestos Content
Brown Wrap with Black Mastic	ND
Composite Non-Asbestos Content:	65% Cellulose
Sample Composite Homogeneity:	Good

Comments: Sample layers inseparable without cross contamination.

Location: 78341.002-0015

Lab ID-Version‡: 18081544-1

Sample Layers	Asbestos Content
Black Roofing Shingle	ND
Black Felt	ND
Composite Non-Asbestos Content:	20% Cellulose 8% Glass Fibers
Sample Composite Homogeneity:	Poor

Location: 78341.002-0016

Lab ID-Version‡: 18081545-1

Sample Layers	Asbestos Content
Black Roofing Shingle with Brown Rocks	ND
Black Roofing Shingle with Black Rocks	ND
Black Felt	ND
Composite Non-Asbestos Content:	20% Cellulose 8% Glass Fibers
Sample Composite Homogeneity:	Poor

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Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Client: PBS Engineering and Environmental: Portland
C/O: Seireadan Kindrick, John Yuly
Re: 78341.002 Phase 0001

Date of Sampling: 06-24-2024
Date of Receipt: 06-24-2024
Date of Report: 06-25-2024

ASBESTOS PLM REPORT

Location: 78341.002-0017

Lab ID-Version‡: 18081546-1

Sample Layers	Asbestos Content
Black Roofing Shingle with Gray Rocks 1	ND
Black Roofing Shingle with Gray Rocks 2	ND
Black Roofing Shingle with Gray Rocks 3	ND
Black Felt	ND
Composite Non-Asbestos Content:	20% Cellulose 8% Glass Fibers
Sample Composite Homogeneity:	Poor

Location: 78341.002-0018

Lab ID-Version‡: 18081547-1

Sample Layers	Asbestos Content
Black Roofing Shingle with Tan Rocks 1	ND
Black Roofing Shingle with Tan Rocks 2	ND
Black Roofing Shingle with Tan Rocks 3	ND
Black Roofing Shingle with Tan Rocks 4	ND
Black Roofing Shingle with Tan Rocks 5	ND
Composite Non-Asbestos Content:	8% Glass Fibers
Sample Composite Homogeneity:	Poor

Location: 78341.002-0019

Lab ID-Version‡: 18081548-1

Sample Layers	Asbestos Content
Red Brick	ND
Gray Mortar	ND
Sample Composite Homogeneity:	Moderate

Location: 78341.002-0020

Lab ID-Version‡: 18081549-1

Sample Layers	Asbestos Content
Black Tar with Rocky Material	ND
Brown Wood	ND
Composite Non-Asbestos Content:	85% Cellulose
Sample Composite Homogeneity:	Good

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Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Client: PBS Engineering and Environmental: Portland
C/O: Seireadan Kindrick, John Yuly
Re: 78341.002 Phase 0001

Date of Sampling: 06-24-2024
Date of Receipt: 06-24-2024
Date of Report: 06-25-2024

ASBESTOS PLM REPORT

Location: 78341.002-0021

Lab ID-Version‡: 18081550-1

Sample Layers	Asbestos Content
Brown Wrap with Black Mastic	ND
Composite Non-Asbestos Content:	65% Cellulose
Sample Composite Homogeneity:	Good

Comments: Sample layers inseparable without cross contamination.

Location: 78341.002-0022

Lab ID-Version‡: 18081551-1

Sample Layers	Asbestos Content
White Caulk	ND
Sample Composite Homogeneity:	Good

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. The Company reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".



003687865

TRANSMITTAL AND CHAIN OF CUSTODY FOR ASBESTOS BULK SAMPLE

Project No.: 78341.002 Phase 0001

Individuals signing this form warrant that the information provided is correct and complete. The Sender should keep a copy and send the original. The Receiver should complete the form, keep a copy and return the original to the Sender. Receiver shall report damage of package immediately to Sender.

SENDER

Date Sent: June 24, 2024

PBS Engineering and Environmental Inc.
4412 S Corbett Avenue
Portland, OR 97239
503.248.1939, Fax: 866.727.0140

Seireadan Hendrick
Name

li zi
Authorized Signature

06.24.24 16:28
Date Time

RECEIVERDate Received: 6/24/24

Company: Eurofins LabCor PDX
Address: 4321 S Corbett Avenue
Portland, OR 97239
(503) 224-5055

Mark Sanchez
Name

[Signature]
Authorized Signature

6/24/24
Date

4:35
Time

Sender's ID No.

Brief Description

Receiver's ID No.

78341.002-0001

78341.002-0002

78341.002-0003

78341.002-0004

78341.002-0005

78341.002-0006

78341.002-0007

78341.002-0008

78341.002-0009

78341.002-0010

78341.002-0011

78341.002-0012

78341.002-0013

78341.002-0014



TRANSMITTAL AND CHAIN OF CUSTODY FOR ASBESTOS BULK SAMPLES

78341.002-0015	_____	_____
78341.002-0016	_____	_____
78341.002-0017	_____	_____
78341.002-0018	_____	_____
78341.002-0019	_____	_____
78341.002-0020	_____	_____
78341.002-0021	_____	_____
78341.002-0022	_____	_____

Please analyze the enclosed 22 sample(s) for asbestos content using PLM with dispersion staining. PBS requests prior notification if samples will be disposed.

Request verbal results by: _____ AM/PM _____ Date.

Please fax and mail the results to the above address.

TURNAROUND DESIRED: **24 Hour**

SPECIAL INSTRUCTIONS:

June 26, 2024

Seireadan Kindrick

PBS Environmental - Portland

4412 S Corbett Ave.

Portland, OR 97239



NVL Batch # 2411423.00

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

Client Project: 78341.002 Phase 0001

Location: N-A

Dear Mr. Kindrick,

NVL Labs received 4 sample(s) for the said project on 6/26/2024. 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 'Munaf Khan'.

Munaf Khan, President/Laboratory Director

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 - Portland
Address: 4412 S Corbett Ave.
Portland, OR 97239

Batch #: 2411423.00

Matrix: Paint
Method: EPA 3051/7000B
Client Project #: 78341.002 Phase 0001
Date Received: 6/26/2024
Samples Received: 4
Samples Analyzed: 4

Attention: Mr. Seireadan Kindrick

Project Location: N-A

Lab ID	Client Sample #	Sample Weight (g)	RL in mg/Kg	Results in mg/Kg	Results in percent
24069054	LB78341.002-1001	0.1881	53	< 53	<0.0053
24069055	LB78341.002-1002	0.1927	52	550	0.055
24069056	LB78341.002-1003	0.1862	54	4600	0.46
24069057	LB78341.002-1004	0.2059	49	190000	19

Sampled by: Client

Analyzed by: Yasuyuki Hida

Reviewed by: Munaf Khan

Date Analyzed: 06/26/2024

Date Issued: 06/26/2024

Munaf Khan, President/Laboratory Director

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: 2024-0626-04

FAA-02

LEAD LABORATORY SERVICES



Company PBS Environmental - Portland
Address 4412 S Corbett Ave.
 Portland, OR 97239
Project Manager Mr. Seireadan Kindrick
Phone (503) 248-1939
Cell _____

NVL Batch Number 2411423.00
TAT 1 Day **AH** No
Rush TAT _____
Due Date 6/27/2024 **Time** 10:00 AM
Email seireadan.kindrick@pbsusa.com
Fax (503) 248-0223

Project Name/Number: 78341.002 Phase 0001
Project Location: N-A

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	24069054	LB78341.002-1001		A
2	24069055	LB78341.002-1002		A
3	24069056	LB78341.002-1003		A
4	24069057	LB78341.002-1004		A

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

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Fatima Khan		NVL	6/26/24	1000
Analyzed by	Yasuyuki Hida		NVL	6/26/24	
Results Called by					
☐ Faxed ☐ Emailed					

Special Instructions: _____

Date: 6/26/2024
 Time: 10:11 AM
 Entered By: Kelly AuVu



2411423

TRANSMITTAL AND CHAIN OF CUSTODY FOR LEAD BULK SAMPLES

Project No.: 78341.002 Phase 0001

Individuals signing this form warrant that the information provided is correct and complete. The Sender should keep a copy and send the original. The Receiver should complete the form, keep a copy and return the original to the Sender. Receiver shall report damage of package immediately to Sender.

SENDER

Date Sent: June 24, 2024

PBS Engineering and Environmental Inc.
4412 S Corbett Avenue
Portland, OR 97239
503.248.1939, Fax: 866.727.0140

Seiradan Kindrick
Name

Li Zhi 06.24.24
Authorized Signature Date

RECEIVER

Date Received: 6/26/24

Company: NVL Labs, Inc.
Address: 4708 Aurora Ave. North
Seattle, WA 98103
(206)547-0100

Yahim Khan Nullabs
Name

[Signature] 6/26/24 604-CP5
Authorized Signature Date

Sender's ID No.

LB78341.002-1001

LB78341.002-1002

LB78341.002-1003

LB78341.002-1004

Brief Description

Receiver's ID No.

ANALYSIS REQUESTED:

- LEAD: ☒ Paint
☐ Wipe
☐ Soil/Misc.
☐ Air
☐ TCLP

Please analyze the enclosed 4 sample(s) for LEAD content using Atomic Absorption Method.
PBS requests prior notification if samples will be disposed.

Please fax and mail the results to the above address.

TURNAROUND DESIRED:

24 Hour

SPECIAL INSTRUCTIONS:

June 27, 2024

Seireadan Kindrick

PBS Environmental - Portland

4412 S Corbett Ave.

Portland, OR 97239



NVL Batch # 2411420.00

RE: Total Metal Analysis

Method: EPA 1311/7000B Lead by FAA <TCLP>

Item Code: TCLP-1

Client Project: 78341.002 Phase 0001

Location: N-A

Dear Mr. Kindrick,

NVL Labs received 1 sample(s) for the said project on 6/26/2024. Preparation of these samples was conducted following protocol outlined in EPA 1311/7000B, unless stated otherwise. Analysis of these samples was performed using analytical instruments in accordance with EPA 1311/7000B Lead by FAA <TCLP>. Sample amount used was below 100 grams as recommended by EPA 1311. The results are usually expressed in mg/L and ppm. 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,

Munaf Khan, President/Laboratory Director

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

Toxicity Characteristic Leaching Procedure - Lead (Pb)

Client: PBS Environmental - Portland
Address: 4412 S Corbett Ave.
Portland, OR 97239

Batch #: 2411420.00

Matrix: Bulk

Method: EPA 1311/7000B

Client Project #: 78341.002 Phase 0001

Date Received: 6/26/2024

Samples Received: 1

Samples Analyzed: 1

Attention: Mr. Seireadan Kindrick
Project Location: N-A

Lab ID	Client Sample #	RL mg/ L	Results in mg/L	Results in ppm
24069049	LB78341.002-3001	0.5	< 0.5	< 0.5

Sampled by: Client

Analyzed by: Yasuyuki Hida

Reviewed by: Munaf Khan

Date Analyzed: 06/27/2024

Date Issued: 06/27/2024

Munaf Khan, President/Laboratory Director

mg/ L =Milligrams per liter

ppm = parts per million

RL = Reporting Limit

'<' = Below the reporting Limit

Note : Method QC results are acceptable unless stated otherwise.

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

Bench Run No: 2024-0626-08

TCLP-1

LEAD LABORATORY SERVICES



Company PBS Environmental - Portland
Address 4412 S Corbett Ave.
 Portland, OR 97239
Project Manager Mr. Seireadan Kindrick
Phone (503) 248-1939
Cell _____

NVL Batch Number 2411420.00
TAT 1 Day **AH** No
Rush TAT _____
Due Date 6/27/2024 **Time** 12:00 PM
Email seireadan.kindrick@pbsusa.com
Fax (503) 248-0223

Project Name/Number: 78341.002 Phase 0001
Project Location: N-A

Subcategory Flame AA (FAA)
Item Code TCLP-1 EPA 1311/7000B Lead by FAA <TCLP>

Total Number of Samples 1 **Rush Samples** _____

	Lab ID	Sample ID	Description	A/R
1	24069049	LB78341.002-3001		A

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

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Fatima Khan		NVL	6/26/24	1200
Analyzed by	Yasuyuki Hida		NVL	6/27/24	
Results Called by					
☐ Faxed ☐ Emailed					

Special Instructions: _____

Date: 6/26/2024
 Time: 10:07 AM
 Entered By: Kelly AuVu



2411420

TRANSMITTAL AND CHAIN OF CUSTODY FOR LEAD BULK SAMPLES

Project No.: 78341.002 Phase 0001

Individuals signing this form warrant that the information provided is correct and complete. The Sender should keep a copy and send the original. The Receiver should complete the form, keep a copy and return the original to the Sender. Receiver shall report damage of package immediately to Sender.

SENDER

Date Sent: June 24, 2024

PBS Engineering and Environmental Inc.

4412 S Corbett Avenue

Portland, OR 97239

503.248.1939, Fax: 866.727.0140

Seiradon Kindrick

Name

Li Zi

Authorized Signature

06.24.24

Date

RECEIVER

Date Received:

6/26/24

Company: NVL Labs, Inc.

Address: 4708 Aurora Ave. North

Seattle, WA 98103

(206)547-0100

Seiradon Kindrick

Name

Li Zi

Authorized Signature

Date

Sender's ID No.

LB78341.002-3001

Brief Description

Receiver's ID No.

ANALYSIS REQUESTED:

- LEAD: ☐ Paint
☐ Wipe
☐ Soil/Misc.
☐ Air
☒ TCLP

Please analyze the enclosed 1 sample(s) for LEAD content using Atomic Absorption Method. PBS requests prior notification if samples will be disposed.

Please fax and mail the results to the above address.

TURNAROUND DESIRED:

24 Hour

SPECIAL INSTRUCTIONS:

June 27, 2024

Joe Lucas

PBS Environmental - Vancouver

1325 SE Tech Center Dr Suite 140
Vancouver, WA 98683



NVL Batch # 2411421.00

RE: Organics PCB
Method: 8082 PCB Aroclors <Bulk>
Item Code: ORG-05

Client Project: 78341.002

Location: Ridgefield, WA

Dear Mr. Lucas,

Enclosed please find test results for samples submitted to our laboratory for analysis. Preparation and analysis of these samples were conducted in accordance with published industry standards and methods specified on the attached analytical report.

The content of this package consists of the following:

- Case Narrative & Definition of Data Qualifiers
- Analytical Test Results
- Applicable QC Summary
- Client Chain-of-Custody (CoC)
- NVL Receiving Record

The report is considered highly confidential and will not be released without your approval. Samples are archived for two weeks following analysis. Samples that are not retrieved by the client will be discarded after two weeks.

Thank you for using our laboratory services. If you need further assistance, please contact us at 206-547-0100 or 1-888-NVLLABS.

Sincerely,

Munaf Khan, President/Laboratory Director

Enc.: Sample results



NVL Batch # 2411421.00

Case Narrative:

The following summarizes samples received on date as shown on the accompanied Chain of custody by NVL Laboratories, Inc. from PBS Environmental - Vancouver for Project Number 78341.002. Samples were logged in for PCB analysis per client request using both customer sample ID's and laboratory assigned ID's as listed on the Chain-of-Custody (CoC). All samples as received were processed and analyzed within specified turnaround time without any abnormalities and deviations that may affect the analytical results. All quality control requirements were acceptable unless stated otherwise. The conditions of all samples were acceptable at time of receipt and all samples submitted with this batch were analyzed unless stated otherwise on the CoC.

Test Results are reported in milligrams per kilogram (mg/kg) for PCB samples as shown on the analytical reports.

Definition Appendix**Terms**

% Rec	Percent recovery.
<	Below Reporting Limit(RL) or Limit of Quantitation(LoQ) of the instrument.
B	Blank contamination. The recorded results is associated with a contaminated blank.
DF	Dilution Factor
J	The reported concentration is an estimated value because something may be present in the sample that interfered with the analysis.
J1	The reported concentration is an estimated value because the laboratory control sample (LCS) is out of control limits.
J2	The reported concentration is an estimated value because the percent recovery for matrix spike is out of control limits.
J3	The reported concentration is an estimated value because the relative percent difference(RPD) for duplicate analysis is out of control limits.
J4	Percent recovery is outside of established control limits.
LCS	Laboratory Control Sample.
LFS	Laboratory Fortified Spike
Limits	The upper and lower control limits for spike recoveries.
LN	Quality control sample is outside of control limits. This analyte was not detected in the sample.
LOQ	Limit of quantitation(same as RL)
mg/kg	Milligrams per kilogram.
ND	Analyte not detected or below the reporting limit of the instrument or methodology

Definition Appendix**Terms**

PPM	Parts per Million.
QC Batch Group	Quality Control Batch Group. The entity that links analytical results and supporting quality control results.
R	The data are not reliable due to possible contamination or loss of material during preparation or analysis. Re-sampling and reanalysis are necessary for verification.
RL	Reporting Limit. The minimum concentration that can be quantified under routine operating conditions.
RPD	Relative Percent Difference. The relative difference between duplicate results(matrix spike, blank spike, or samples duplicate) expressed as a percentage.
RPD Limit	The maximum RPD allowed for a set of duplicate measurements(see RPD).
SSMI	Surrogate has matrix interference.
Spike Conc	The measured concentration, in sample basis units, of a spiked sample.
SURR-ND	Surrogate was not detected due to matrix interference or dilution.
ug/m ³	Micrograms per cubic meter.
ug/100cm ²	Micrograms per hundred square centimeter.

Analysis Report

Polychlorinated Biphenyls by Gas Chromatography



Client: PBS Environmental - Vancouver

Address: 1325 SE Tech Center Dr Suite 140
Vancouver, WA 98683

Batch #: 2411421.00

Matrix: Bulk

Analysis Method: EPA 8082

Preparation Method: EPA 3546

Client Project #: 78341.002

Date Received: 6/26/2024

Samples Received: 1

Samples Analyzed: 1

Attention: Mr. Joe Lucas
Project Location: Ridgefield, WA

Sample Number **78341.002-PCB01**

Lab Sample ID 24069050

Initial Sample Size 0.7773 gm

Matrix

Bulk

Units of Result

mg/Kg

Analyte	RL	Final Result	Analysis Date
Aroclor-1016	1.3	< 1.3	6/26/2024
Aroclor-1221	1.3	< 1.3	6/26/2024
Aroclor-1232	1.3	< 1.3	6/26/2024
Aroclor-1242	1.3	< 1.3	6/26/2024
Aroclor-1248	1.3	< 1.3	6/26/2024
Aroclor-1254	1.3	< 1.3	6/26/2024
Aroclor-1260	1.3	< 1.3	6/26/2024
PCBs, Total	1.3	< 1.3	

Quality Control Results

Client Project #: 78341.002		Batch #: 2411421.00	
		Project Manager: Mr. Joe Lucas	
Preparation Method: EPA 3546		Analysis Method: EPA 8082	
Preparation Date: 6/26/2024		Analysis Description: Polychlorinated Biphenyls by Gas Chromatography	
Blank: 2411421			

Analyte	Blank Results	Units	DF	RL	Control Limit	Qualifiers
Aroclor-1016	ND	mg/Kg	1	1.00	1.00	
Aroclor-1221	ND	mg/Kg	1	1.00	1.00	
Aroclor-1232	ND	mg/Kg	1	1.00	1.00	
Aroclor-1242	ND	mg/Kg	1	1.00	1.00	
Aroclor-1248	ND	mg/Kg	1	1.00	1.00	
Aroclor-1254	ND	mg/Kg	1	1.00	1.00	
Aroclor-1260	ND	mg/Kg	1	1.00	1.00	
PCBs, Total	ND	mg/Kg	1			
<i>Surrogates:</i>				% Rec		
Tetrachloro-m-xylene			1	48	40-140	
Decachlorobiphenyl			1	86	40-140	

Lab Control Sample: LCS 1254-2411421

Analyte	Blank Spike Results	Units	DF	Spike Conc	% Rec	Limits	Qualifiers
Aroclor-1254	15	mg/Kg	1	20.00	75	40-140	
<i>Surrogates:</i>							
Tetrachloro-m-xylene			1		82	40-140	
Decachlorobiphenyl			1		110	40-140	

Lab Control Sample: LCS 1016+1260-2411421

Lab Control Sample Duplicate: LCS Dup 1016+1260

Analyte	Blank Spike Results	Units	DF	Spike Conc	% Rec	Limits	RPD %	RPD Limit	Qualifiers
Aroclor-1016	16	mg/Kg	1	20.00	80	40-140			
	17			20.00	85	40-140	10	50%	
Aroclor-1260	15	mg/Kg	1	20.00	75	40-140			
	17			20.00	85	40-140	11	50%	
<i>Surrogates:</i>									
Tetrachloro-m-xylene			1		84	40-140			
					99	40-140			
Decachlorobiphenyl			1		63	40-140			
					110	40-140			

* Recovery outside of control limits

Surrogate Recovery Summary Report

Client PBS Environmental - Vancouver

Batch # 2411421.00

Project 78341.002

Customer Sample ID	Lab Sample ID	Analyte	Recovery	Limits
78341.002-PCB01	24069050	Decachlorobiphenyl	78%	40-140
78341.002-PCB01	24069050	Tetrachloro-m-xylene	76%	40-140

*Recovery outside of the limits

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Sample	Analyzed	Analyte	Target	Solution Conc	Unit	% Rec	Limits
ICV-1016	6/26/2024	Aroclor-1016	5.0	5.66	ug/mL	113	85-115
ICV-1254	6/26/2024	Aroclor-1254	5.0	5.06	ug/mL	101	85-115
ICV-1260	6/26/2024	Aroclor-1260	5.0	5.41	ug/mL	108	85-115
CCV1-1016	6/26/2024	Aroclor-1016	5.0	5.00	ug/mL	100	80-120
CCV1-1254	6/26/2024	Aroclor-1254	5.0	5.00	ug/mL	100	80-120
CCV1-1260	6/26/2024	Aroclor-1260	5.0	5.00	ug/mL	100	80-120
CCV2-1016	6/26/2024	Aroclor-1016	5.0	5.47	ug/mL	109	80-120
CCV2-1254	6/26/2024	Aroclor-1254	5.0	5.86	ug/mL	117	80-120
CCV2-1260	6/26/2024	Aroclor-1260	5.0	5.79	ug/mL	116	80-120
CCV3-1016	6/26/2024	Aroclor-1016	5.0	5.30	ug/mL	106	80-120
CCV3-1254	6/26/2024	Aroclor-1254	5.0	4.92	ug/mL	98	80-120
CCV3-1260	6/26/2024	Aroclor-1260	5.0	5.62	ug/mL	112	80-120

% Rec - Percent recovery

* Percent recovery not within control limits

ORGANICS LABORATORY SERVICES



Company PBS Environmental - Vancouver
Address 1325 SE Tech Center Dr Suite 140
 Vancouver, WA 98683
Project Manager Mr. Joe Lucas
Phone (360) 695-3488
Cell (206) 510-8038
NVL Batch Number 2411421.00
TAT 1 Day **AH** No
Rush TAT
Due Date 6/27/2024 **Time** 10:00 AM
Email joe.lucas@pbsusa.com
Fax () -

Project Name/Number: 78341.002 **Project Location:** Ridgefield, WA

Subcategory Quantitative analysis

Item Code ORG-05 8082 PCB Aroclors <Bulk>

Total Number of Samples 1

Rush Samples

	Lab ID	Sample ID	Description	A/R
1	24069050	78341.002-PCB01		A

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

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Fatima Khan		NVL	6/26/24	1000
Analyzed by	Evelyn Ahulu		NVL	6/26/24	
Results Called by					
☐ Faxed ☐ Emailed					

Special Instructions:

Date: 6/26/2024
 Time: 10:09 AM
 Entered By: Kelly AuVu

2411421



PCB'S CHAIN OF CUSTODY

Id Time

- ☐ 1 Hour ☒ 24 Hours ☐ 4 Days
☐ 2 Hours ☐ 2 Days ☐ 5 Days
☐ 4 Hours ☐ 3 Days ☐ 10 Days

Please call for TAT less than 24 Hours

Company PBS Eng. & Env.
 Address 1325 SE Tech Center Dr Suite
140, Vancouver, WA 98683
 Phone (360) 695-3488

Project Manager Joe Lucas
 Cell (206) 510-8038
 Email joe.lucas@pbsusa.com
 Fax () -

Project Name/Number 78341.002 Project Location Ridgefield, WA

- ☐ PCB's Air ☒ PCB's Bulk
☐ PCB Wipe ☐ PCB BTEX

Reporting Instructions _____
☐ Call () - ☐ Fax () - ☐ Email _____

Total Number of Samples _____

Sample ID	Description	A/R
1	PCB01	
2	South Exterior, Flexible White Perimeter	
3	Window Frame Caulking	
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

	Print Name	Signature	Company	Date	Time
Sampled by	Sergentan Kordick	<i>[Signature]</i>	PBS	06.24.24	16:20
Relinquish by	"	<i>[Signature]</i>	PBS	"	"

Office Use Only

	Print Name	Signature	Company	Date	Time
Received by	Mahmoud	<i>[Signature]</i>	Mullins	6/26/24	10a-08
Analyzed by					
Called by					
Faxed/Email by					

THIS IS TO CERTIFY THAT

JOE LUCAS

HAS SUCCESSFULLY COMPLETED THE TRAINING COURSE

for

ONLINE AHERA ASBESTOS INSPECTOR REFRESHER

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

Course Date: 01/23/2024

Course Location: Online

Certificate: IRO-24-3527B



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: 01/23/2025

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

503-248-1939

A handwritten signature in black ink that reads "Andy Fridley".

Andy Fridley, Instructor

THIS IS TO CERTIFY THAT

SEIREADAN KINDRICK

HAS SUCCESSFULLY COMPLETED THE TRAINING COURSE

for

ONLINE AHERA ASBESTOS INSPECTOR REFRESHER

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

Course Date: 02/28/2024

Course Location: Online

Certificate: IRO-24-1288C



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: 02/28/2025

For verification of the authenticity of this certificate contact:
PBS Engineering and Environmental Inc.
4412 S Corbett Avenue
Portland, OR 97239
503.248.1939

A handwritten signature in black ink, reading "Andy Fridley".

Andy Fridley, Instructor