

Phone: 541-726-9422

Notification of Demolition Amendment: 0 11815 NE 99th Street, Suite 1294 Date Received: 7/24/2024 Vancouver, WA 98662 Voice: 360-574-3058 Fax: 360-576-0925 Date Paid: 7/24/2024 Web: https://www.swcleanair.gov Email: Tina@swcleanair.gov SWCAA Fee: \$74.00 10 day waiting period from date submitted Receipt #: 159820317 1. Type of Notification: Original 2. Type of Operation: Demolition 3. Facility Description: Hunter and Devine Bldg Commercial Name or Description: School for the Deaf Address: 611 Grand Blvd City/State/Zip/County: Vancouver, WA 97661 CLARK COUNTY Present Use: School Previous Use: School Property Owner: 4. Facility Information Property Owner: Washington State Dept of Enterprise Services 5. Name and AHERA Certification Number of Asbestos Inspector: Name: Joe Lucas Certification #: IRO-24-3527B 6. Asbestos Removal Contractor (if applicable): **Performance Abatement Services** Mailing Address: 13600 NE 10th Ave, Vancouver, OR, 98685 Contact Ben Pullman Phone: Ben Pullman 7. Dates Asbestos Removal Occurred:

Complete: 8/19/2024 Asbestos Case No.: 24-511-0 Start: 8/19/2024 8. Dates Demolition Will Occur: Complete: 10/2/2024 Start: 9/2/2024 9. Demolition Contractor: Name: **Staton Companies** Mailing Address: 85386 Hwy 99 S, Eugene, OR, 97401

10. Asbestos Disposal Site: N/A

Steve Root

Name:

Contact

### 11. Description of planned demolition work, method(s) to be used:

Mechanical Demolition with track hoe equipment.

## 12. Fugitive Emssions/dust from Demolition Activites MUST BE Controlled/Prevented during all phases of the project

Fire Hoses for dust supression.

# **13.** If unexpected Asbestos containing Material (ACM) is found during demolition, Stop Work, Notify SWCAA and Consult/Hire a Certified Asbestos Abatement Contractor

PAS to remove before demolition.

## 14. If demolition is ordered by a Government Agent:

15. For Emergency Demolitions (Contact SWCAA prior to work):

**Emergency Demolition** 

## Date and Time of Emergency:

**Description of Sudden, Unexpected Event:** 

Explanation of how the event caused unsafe conditions or would cause equipment damage or an unreasonable burden:

### 16. I Certify that the above information is correct:

Submitter Name:Abbie HowellSubmitter Title:PMEmail Address:abbie.howell@pcg.com

Representing: PAS Date Submitted: 7/24/2024

✓ Approved

Reviewed by SWCAA: Brian Fallon

The Washington State Dangerous Waste Regulations (WAC 173-303) require that demolition debris be evaluated to determine if it is dangerous. The evaluation should be completed before demolition to ensure that hazardous constituents are not released to the environment and do not present a risk to human health during or after demolition. These requirements apply to all buildings being demolished and are the responsibility of the property owner. The Washington Department of Ecology's website, https://ecology.was.gov/Regulations-Permits/Guidance-technical-assistance/Dangerous-waste-guidance/Common-dangerous-waste/Construction-and-demolition, provides more information about the requirements and about sampling and testing construction materials to detemine if they present a risk. For more information please contact a Hazardous Waste Inspector at the Washington Department of Ecology Southwest Regional Office: (360) 407-6300.

# **Pre-Demolition Limited Hazardous Building Materials Survey Report**

Washington Center for Deaf and Hard of Hearing Youth (CDHY) Hunter Gym and Divine Hall 611 Grand Boulevard Vancouver, Washington 98661

Prepared for: Washington State Department of Enterprise Services (DES) PO Box 41476 Olympia, Washington 98504

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Not Numbered

July 2022 PBS Project 25570.005, Phase 0001



1325 SE TECH CENTER DR SUITE 140 VANCOUVER, WA 98660 360.695.3488 MAIN 866.727.0140 FAX PBSUSA.COM

# **General Information**

**CLIENT DATA** Washington DES PO Box 41476 Olympia, Washington 98504 **BUILDING DATA** Washington CDHY – Hunter Gym and Divine Hall 611 Grand Boulevard Vancouver, Washington 98661

Year(s) Built: Circa 1937, 1974

# **Survey Scope**

PBS Engineering and Environmental Inc. (PBS) has performed a limited pre-demolition hazardous building materials survey of accessible areas within the scope of work at Hunter Gym and Divine Hall at Washington CDHY and compiled this report with the following information:

- Inspection Summary:
  - o Asbestos-containing building materials (ACBM)
  - o Lead paint and building material survey
  - Suspect polychlorinated biphenyl (PCB) containing material and equipment
  - o Mercury-containing light fixtures and equipment
  - Inventory of possible chlorofluorocarbon (CFC) and/or hydrochlorofluorocarbon (HCFC) cooling equipment
- Hazardous materials sample inventories including laboratory analytical data of bulk materials sampled
- Floorplan drawings indicating hazardous material sample locations

With regards to asbestos, PBS endeavored to locate all assessable suspect asbestos-containing materials (ACM) within the scope of work at the building; 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 or renovation activities that are not identified in this report, testing should be performed prior to impact. Lead paint sampling is representative of only major components within the building interior and exterior.

PBS has conducted a physical inspection of the site; 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 Brian Wehner Industrial Hygienist / Prime Inspector Accreditation Number: IR-22-7306B

Signature

Date

Signature

Date

 $\ensuremath{\textcircled{C}}$  2022 PBS Engineering and Environmental Inc.



# BACKGROUND

Between April and June 2022, PBS Engineering and Environmental Inc. (PBS) performed a limited predemolition hazardous building materials survey of Hunter Gym and Divine Hall at the Washington Center for Deaf and Hard of Hearing Youth (CDHY) campus, located at 611 Grand Boulevard in Vancouver, Washington. The survey was requested by Washington State Department of Enterprise Services (DES) in anticipation of planned demolition activities.

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' requirement that a "good faith inspection" for asbestos-containing materials (ACM) 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, polychlorinated biphenyl (PCB)-containing building components. Asbestos samples were submitted under chain of custody to Lab/Cor Inc. 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 RJ Lee Group in Monroeville, Pennsylvania, 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.

In addition, representative light fixtures were inspected for PCB-containing ballasts and mercury-containing vapor light tubes. Finally, hydrochlorofluorocarbon- (HCFC) or chlorofluorocarbon (CFC)-containing refrigeration equipment was quantified. Our findings are summarized below.

## **BUILDING DESCRIPTIONS**

Hunter Gym was constructed in 1937 and has undergone multiple renovations including limited impacts on the south elevation in 1974 when Divine Hall was attached. Additionally, a roofing replacement occurred in 2018. Hunter Gym consists of a single main building with an attached apparatus room and locker rooms to the east. The main building is constructed of masonry brick and is a slab-on-grade structure. Interior finishes include wood flooring, masonry walls and wood roof deck. Wood paneling extends 8 feet from the floor up on the interior walls. The main gym interior roof is made up of wood decking exposed metal beams, columns, and joists. The roof is a Thermoplastic Polyolefin (TPO) singly-ply membrane with DensDeck fiberglass insulation applied on top of an older TPO and ISO board roof system. Attached locker rooms are finished with concrete floors, ceramic tile walls with a metal frame and a combination of plaster and gypsum board ceilings.

Divine Hall was constructed in 1974 and underwent a roofing replacement at the same time as Hunter Gym in 2018. The main building is a wood-framed, slab-on-grade construction. The exterior is constructed of brick masonry and plaster covered walkways. The courtyard has a metal and plaster soffit with painted metal vertical panels. Interior wall finishes include masonry brick, gypsum wallboard with metal framing. Gypsum walls have wainscoting, and corkboards adhered to them. Floors are finished with vinyl flooring, carpet, and finished concrete. Ceilings are finished with 2 foot by 4 foot lay-in ceiling tiles, 12-inch glued-on ceiling tiles, and gypsum board. Window assemblies are metal framed with metal panels. The roof is comprised of a TPO single-ply membrane and with DensDeck applied on top of an older TPO and ISO board roof system.



# ASBESTOS SUMMARY

Hunter Gym and Divine Hall were inspected by a PBS Asbestos Hazard Emergency Response Act (AHERA) accredited inspector to determine the presence, location, and approximate quantity ACM. 103 bulk samples of building materials, suspected of containing asbestos, were collected and submitted under chain of custody to Lab/Cor Portland Inc. of Portland, Oregon, for polarized light microscopy (PLM) analysis. The following materials were found to contain asbestos:

- Asbestos-containing black window sealant is present throughout Divine Hall. This material is located between the glass pane/metal paneling and metal framing on both the interior and exterior of the building.
- Asbestos-containing black sink undercoating is associated with stainless steel sinks in various classrooms throughout Divine Hall. Refer to survey drawings for approximate locations.
- Asbestos-containing black mastic with associated 12" mustard-colored vinyl floor tile was observed exposed and concealed under carpet in various locations throughout Divine Hall.
- Asbestos-containing material debris was discovered on top of lay-in ceiling tile in the hallways throughout Divine Hall. Refer to survey drawings for approximate locations.
- Asbestos-containing gray interior window frame caulking was observed between glass block windows and brick wall on the north side of Hunter Gym.
- Asbestos-containing gray perimeter door frame caulking was observed on exterior doors throughout Hunter Gym.
- Asbestos-containing black mastic associated with the lab countertops was discovered in the science lab at Divine Hall.
- Less than one percent (<1%) asbestos-containing joint compound associated with gypsum wallboard assemblies is present throughout. Five samples of the gypsum wallboard were collected. Four of the five samples contain <1% asbestos, and it should be presumed that all the joint compound contains <1% asbestos.

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

At the time of the survey, an inspection of the crawlspace associated with Hunter Gym was conducted. It was determined that the crawlspace has undergone a prior abatement of pipe insulation and associated mudded hard fittings. Black polyethylene sheeting has been laid down at the east area (under the locker rooms) over the dirt crawlspace floor where abated piping exists. PBS collected samples of the soil in this area. No asbestos was detected in any of the samples collected. It is possible that the soil in this area may have some level of asbestos contamination from the previous abatement activities.

Asbestos-containing pipe insulation may be present in concealed locations where plumbing systems are present at Hunter Gym. It should be noted that suspect hard mudded fittings were sampled throughout Divine Hall. A total of approximately 10 samples of this material were collected. No asbestos was detected in any of the samples collected.



## **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.

Materials containing <1% asbestos are not regulated by the Environmental Protection Agency (EPA), the Washington State Department of Ecology (Ecology), or the Southwest Clean Air Agency (SWCAA) and may be disposed of as general construction debris. However, workers impacting materials with <1% asbestos must adhere to OSHA and the Washington State Department of Labor and Industries (L&I) regulatory requirements. These requirements are outlined in Washington Administrative Codes (WAC) 296-62-17712 (2), 296-62-07722 (5), and 296-62-0728. These regulations outline training requirements, personal protective equipment, proper work practices and negative exposure assessment completion.

OSHA provides federal regulations governing asbestos (29 CFR Part 1926.1101). These regulations have made significant changes in work procedures and how ACM 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, NESHAPS; 40 CFR Part 763, AHERA; WAC 296-62 and 296-65; and SWCAA.

## 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
Green Sandy Poured Flooring	Hunter Gym; boys and girls locker rooms
3" Mint Green Ceramic Tile with White Grout and Yellow Mastic	Hunter Gym; boys and girls locker rooms on walls
Various Colors and Sizes of Covebase and Mastic	Throughout Hunter Gym and Divine Hall
Wall and Ceiling Plaster	Hunter Gym; storage closet
Red Brick with Gray Mortar	Throughout Hunter Gym and Divine Hall
Gray Mortar	Hunter Gym; between window blocks
Brown Fibrous Insulation	Hunter Gym; behind perimeter window caulking
Carpet Mastic	Throughout Divine Hall
Yellow Sandy Poured Flooring	Divine Hall; north restrooms
Lay-in Ceiling Tiles	Throughout Divine Hall
Glue-on Ceiling Tiles	Throughout Divine Hall
Mudded Joint Fittings on Fiberglass Pipe Insulation	Throughout Divine Hall



Dark Gray, Rubbery Perimeter Window Frame Caulking	Throughout Divine Hall
White Sink Undercoating	Divine Hall; Room 319
White Sandy Skim Coat Texture	Under side of covered walkways, exterior soffits, and south side of Hunter Gym exterior wall
Tan Mastic	Divine Hall; above lay-in ceiling tile grid on wall
Yellow Tape	Divine Hall; behind corkboard throughout hallways
Heating, Ventilation, and Air Conditioning (HVAC) Mechanical Insolation Cloth	Divine Hall; above drop ceiling, between HVAC ducting
Black Lab Countertop	Divine Hall; Science lab
12" White Streaked Vinyl Floor Tile with Yellow Mastic	Divine Hall; exposed in classrooms, under carpet in north common area, 307D
White Painted Concrete	Divine Hall: various classrooms exposed and under carpet
White Firm Mastic	Divine Hall; behind corkboard throughout hallways
Tan Mastic	Divine Hall; behind wood panels at mop sink
Gray Flexible Caulking	Hunter Gym; exterior, around perimeter of block windows and exhaust vents
Black Flexible Caulking	Hunter Gym; exterior, south side, around perimeter of large sandy panel
Clear Silicone with Fibrous Backing	Hunter Gym; exterior, south side, around perimeter of window blocks
Gray Rubbery Caulking	Divine Hall; roof, on HVAC unit
White Rubbery Caulking	Divine Hall; roof, brick parapet wall, between TPO roofing and brick
Loose Rocky Soil	Hunter Gym; throughout crawlspace
Built-up Roofing	Throughout Hunter Gym and Divine Hall
Gray Rubbery Caulking	Divine Hall; exterior, covered walkways, between flashing and brick
Yellow Mastic	Hunter Gym; behind TPO on parapet walls

## LEAD SUMMARY

Paint was sampled for lead content for the sake of hazard communication. Seven paint chip samples were collected from representative building components from painted interior and exterior building components. Samples were submitted under chain of custody to RJ Lee Group of Monroeville, Pennsylvania, for analysis of lead content via flame atomic absorption (FLAA). Lead analysis results revealed that lead is present in all seven submitted samples, with concentrations ranging from 12.4 to 43,800 parts per million (ppm).



See the lead sample inventory section of this report for representative building components and corresponding results. Additionally, refer to the hazardous materials survey drawings for sample 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 percent 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 percent 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.

Washington L&I regulations for Lead in Construction (WAC 296-62-155) govern the impact of painted surfaces with detectable concentrations of lead. The WAC standard outlines worker exposure limits, personal protection requirements, and employer responsibility for exposure assessment, training, housekeeping, and recordkeeping. OSHA's Lead in Construction Standard applies to all work where employees may be exposed to lead in construction, alteration, or repair activities. 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.

# POLYCHLORINATED BIPHENYLS (PCBS) SUMMARY

PBS inspected representative light fixture ballasts throughout the buildings and discovered a variety of ballasts including newer electronic ballasts and older magnetic ballasts. Electronic ballasts do not have potential PCB-containing oil, however, magnetic ballasts may. Because of the limited nature of the light fixture ballast investigation, PBS recommends that all light fixture ballasts be inspected prior to demolition activities. Magnetic ballasts, regardless of "No PCBs" labeling, should be presumed to contain PCBs and be properly removed, stored, transported, and disposed of in accordance with applicable regulations. Approximately 225 PCB-containing light fixture ballasts are anticipated to be present throughout the buildings. If there is visual evidence that a ballast is PCB-containing or there is suspicion of a PCB leak or spill, a qualified contractor should handle and dispose of the light ballast and contaminated fixtures.

Exterior caulking and sealants were tested for the presence of PCBs. The samples were assigned unique identification numbers and transmitted to an accredited laboratory under chain-of-custody protocols in accordance with EPA Method 8082A. The analysis determined detectable concentrations of PCBs in 8 of the 10 samples collected at concentrations ranging from 1.3 to 10,300 parts per million (ppm). PCB levels above 50 parts per million (>50 ppm) were detected in 4 of the 10 samples 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 Code of Federal Regulations (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 (greater than 50 ppm) 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 project specifications and drawings regarding the project requirements for PCB handling and disposal.

# **MERCURY SUMMARY**

Fluorescent light tubes and High Intensity Discharge (HID) lights are suspected of containing mercury vapors. Approximately 600 fluorescent light tubes were inventoried in the buildings. Additionally, mercury-containing thermostats were observed throughout the buildings. PBS inventoried approximately 45 of these devices. Fluorescent light tubes and thermostats should be carefully handled, packaged, and recycled in the appropriate manner.

## **Mercury Regulations**

Please refer to the following documents for requirements for removal and disposal of mercury-containing equipment:

- 1. US Environmental Protection Agency Toxic Substance Control Act, TSCA, (Code of Federal Regulations Title 40, Part 761)
- 2. US Department of Labor, Occupational Safety and Health Administration (OSHA)
- 3. RCRA, Resource Conservation and Recovery Act, 40 CFR Part 2761, Subpart D., 40 CFR 273

# Hydrochloro-/Chlorofluorocarbon-Containing Equipment

PBS observed refrigeration appliances in the buildings including roof-mounted air conditioning units. This equipment contains refrigerant (Freon) that may contain HCFC or CFC which contributes to ozone depletion and is regulated by Ecology. PBS recommends that all working 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 recovered 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**

Survey Drawings (HS1 – HS3) Hazardous Material Inventories and Lab Reports Inspector Certification

#### GENERAL NOTES

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♦ INVEN DRAWING REFERENCE ♦ 001 ♦ 002 ♦ 003 ♦ 004 ♦ 005 ♦ 006 ♦ 007 ♦ 008 ♦ 009 ♦ 010 ● 012	♦         ♦           TORY OF ASBES         25570.005-0001           25570.005-0002         25570.005-0003           25570.005-0004         25570.005-0004           25570.005-0006         25570.005-0007           25570.005-0007         25570.005-0008           25570.005-00010         25570.005-0011           25570.005-0011         25570.005-0011	Contra A MISCEL AB RESULT (-) (-) (-/-) (-/-) (-/-) (-) (-) (-) (-) (-) (-) (-) (-) (-) (	CING MATERIAL LANEOUS MATERIAL MPLES MATERIAL SAMPLED POURED FLOORING (01) POURED FLOORING (01) COVEBASE/MASTIC (01) GYPSUM WALLBOARD/ JOINT COMPOUND POURED FLOORING (01) POURED FLOORING (01) POURED FLOORING (01) WALL AND CEILING PLASTER BRICK/MORTAR MORTAR CAULK (01) INSULATION
♦ DRAWING REFERENCI ♦ 001 ♦ 002 ♦ 003 ♦ 004 ♦ 005 ♦ 006 ♦ 007 ♦ 006 ♦ 007 ♦ 008 ♦ 009 ♦ 010 ● 011 ● 012 ● 003 ■ 004 ● 003 ■ 004 ■ 005 ■ 006 ● 003 ■ 006 ● 003 ■ 007 ■ 008 ■ 007 ■ 008 ■ 009 ● 012 ■ 009 ● 012 ■ 009 ● 013 ■ 014 ■ 005 ■ 005 ■ 006 ● 0012 ■ 007 ■ 008 ■ 007 ■ 009 ● 013 ■ 0012 ■ 005 ■ 00	♦         ●           TORY OF ASBES         25570.005-0001           25570.005-0002         25570.005-0003           25570.005-0003         25570.005-0004           25570.005-0006         25570.005-0007           25570.005-0007         25570.005-0008           25570.005-0009         25570.005-0011           25570.005-0011         25570.005-0011           25570.005-0013         25570.005-0013	MISCEL <b>STOS SA</b> RESULT (-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-) (-7-)	CING MATERIAL LANEOUS MATERIAL MATERIAL SAMPLED POURED FLOORING (01) POURED FLOORING CERAMIC TILE/GROUT (01) COVEBASE/MASTIC (01) GYPSUM WALLBOARD/ JOINT COMPOUND POURED FLOORING (01) POURED FLOORING (01) POURED FLOORING (01) WALL AND CEILING PLASTER BRICK/MORTAR CAULK (01) INSULATION CAULK (01)
♦ INVEN DRAWING REFERENCI ♦ 001 ♦ 002 ♦ 003 ♦ 004 ♦ 005 ♦ 006 ♦ 007 ♦ 006 ♦ 007 ♦ 009 ♦ 010 ♦ 011 ● 012 ♦ 011 ● 012 ♦ 003 ♦ 004 ♦ 004 ♦ 005 ♦ 005 ♦ 005 ♦ 006 ♦ 007 ♦ 007 • 007	♦         ●           FIELD CODE            25570.005-0001         25570.005-0003           25570.005-0003         25570.005-0004           25570.005-0005         25570.005-0006           25570.005-0006         25570.005-0008           25570.005-0008         25570.005-00011           25570.005-0010         25570.005-0011           25570.005-0011         25570.005-0011           25570.005-0011         25570.005-0011           25570.005-0011         25570.005-0011           25570.005-0014         25570.005-0014	Contract         Miscel           Contract         Contract         Contract           Contract         Contract         Contract         Contract           Contract         Contract         Contract         Contract         Contract         Contract         Contract         Contract         Contract         Contract         Contract         Contract         Contract         Contract         Contract         Contract         Contract         Contract         Contract         Contract         Contract         Contract         Contract         Contract         Contract         Contract         Contract         Contract         Contract         Contract         Contract         Contract         Contract         Contract         Contract         Contract         Contract         Contract         Contract         Contract         Contract         Contract         Contract         Contract         Contract         Contract         Contract <thcontract< th="">         Contract         Contract</thcontract<>	CING MATERIAL LANEOUS MATERIAL MATERIAL SAMPLED POURED FLOORING (01) POURED FLOORING CERAMIC TILE/GROUT (01) COVEBASE/MASTIC (01) GYPSUM WALLBOARD/ JOINT COMPOUND POURED FLOORING (01) WALL AND CEILING PLASTER BRICK/MORTAR CAULK (01) CAULK (01) CAULK (02) WINKL GLOOR TH EMADOTIC (01)
♦ DRAWING REFERENCE ♦ 001 ♦ 002 ♦ 003 ♦ 004 ♦ 005 ♦ 006 ♦ 007 ♦ 008 ♦ 007 ♦ 008 ♦ 009 ● 011 ● 012 ● 014 ● 014 ● 015	♦         ●           FIELD CODE            25570.005-0001         25570.005-0003           25570.005-0003         25570.005-0003           25570.005-0004         25570.005-0006           25570.005-0005         25570.005-0008           25570.005-0008         25570.005-0001           25570.005-0001         25570.005-0001           25570.005-0010         25570.005-0011           25570.005-0011         25570.005-0011           25570.005-0011         25570.005-0011           25570.005-0014         25570.005-0015           25570.005-0015         25570.005-0015	$\begin{array}{c} \text{MISCEL} \\ \hline \\ \textbf{MISCEL} \\ \hline \\ \textbf{BESULT} \\ \hline \\ \textbf{C} \\ C$	CING MATERIAL LANEOUS MATERIAL MATERIAL SAMPLED POURED FLOORING (01) POURED FLOORING CERAMIC TILE/GROUT (01) COVEBASE/MASTIC (01) GYPSUM WALLBOARD/ JOINT COMPOUND POURED FLOORING (01) POURED FLOORING (01) POURED FLOORING (01) WALL AND CEILING PLASTER BRICK/MORTAR MORTAR CAULK (01) CAULK (01) CAULK (02) VINYL FLOOR TILE/MASTIC (01) COVEBASE/MASTIC (02)
♦ DRAWING REFERENCE ♦ 001 ♦ 002 ♦ 003 ♦ 004 ♦ 005 ♦ 006 ♦ 007 ♦ 007 ♦ 012 ♦ 012 ♦ 014 ♦ 015 ♦ 014 ♦ 015 ♦ 017	♦         ♦           TORY OF ASBES         25570.005-0001           25570.005-0002         25570.005-0002           25570.005-0003         25570.005-0004           25570.005-0004         25570.005-0006           25570.005-0007         25570.005-0007           25570.005-0008         25570.005-0001           25570.005-0001         25570.005-0011           25570.005-0012         25570.005-0011           25570.005-0013         25570.005-0011           25570.005-0014         25570.005-0013           25570.005-0015         25570.005-0011           25570.005-0014         25570.005-0011           25570.005-0015         25570.005-0011           25570.005-0016         25570.005-0016	MISCEL <b>STOS SA</b> <b>LAB</b> RESULT (-) (-) (-/-) (-/-) (-/-) (-/-) (-) (-) (-) (-) (-) (-) (-) (	CING MATERIAL LANEOUS MATERIAL MATERIAL SAMPLED POURED FLOORING (01) POURED FLOORING CERAMIC TILE/GROUT (01) COVEBASE/MASTIC (01) GYPSUM WALLBOARD/ JOINT COMPOUND POURED FLOORING (01) POURED FLOORING (01) POURED FLOORING (01) POURED FLOORING (01) POURED FLOORING (01) WALL AND CEILING PLASTER BRICK/MORTAR MORTAR CAULK (01) INSULATION CAULK (02) VINYL FLOOR TILE/MASTIC (02) GYPSUM WALLBOARD/
♦ DRAWING REFERENCI ♦ 001 ♦ 002 ♦ 003 ♦ 004 ♦ 005 ♦ 006 ♦ 007 ♦ 005 ♦ 006 ♦ 007 ♦ 001 ♦ 011 ♦ 013 ♦ 015 ♦ 015 ♦ 015 ♦ 015 ♦ 015 ♦ 017 ♦ 017	♦         ●           TORY OF ASBES         25570.005-0001           25570.005-0002         25570.005-0003           25570.005-0004         25570.005-0004           25570.005-0007         25570.005-0007           25570.005-0008         25570.005-0001           25570.005-00010         25570.005-0011           25570.005-0011         25570.005-0011           25570.005-0012         25570.005-0013           25570.005-0014         25570.005-0014           25570.005-0016         25570.005-0017	MISCEL <b>STOS SA</b> RESULT (-) () (-/-) (-/-) (-/-) (-) (-/-) (-) (+) (+) (+) (+) (+) (-) (-) (-) (-) (-) (-) (-) (-	CING MATERIAL LANEOUS MATERIAL MATERIAL SAMPLED POURED FLOORING (01) POURED FLOORING CERAMIC TILE/GROUT (01) COVEBASE/MASTIC (01) GYPSUM WALLBOARD/ JOINT COMPOUND POURED FLOORING (01) POURED FLOORING (01) ROKLAR CAULK (01) INSULATION CAULK (02) VINVE FLOOR TILE/MASTIC (01) COVEBASE/MASTIC (02) GYPSUM WALLBOARD/ JOINT COMPOUND
♦ INVEN: DRAWING REFERENCE ♦ 001 ♦ 002 ♦ 003 ♦ 004 ♦ 005 ♦ 006 ♦ 007 ♦ 008 ♦ 007 ♦ 008 ♦ 007 ♦ 001 ♦ 010 ♦ 011 ● 011 ● 011 ● 012 ● 012 ● 012 ● 012 ● 012 ● 012 ● 010 ● 010 ● 007 ● 017 ● 017	♦         ●           TORY OF ASBES         25570.005-0001           25570.005-0002         25570.005-0003           25570.005-0004         25570.005-0006           25570.005-0006         25570.005-0007           25570.005-0007         25570.005-0001           25570.005-0008         25570.005-0011           25570.005-0011         25570.005-0011           25570.005-0013         25570.005-0013           25570.005-0014         25570.005-0014           25570.005-0016         25570.005-0017           25570.005-0017         25570.005-0014           25570.005-0016         25570.005-0016           25570.005-0017         25570.005-0016	$\begin{array}{c} \text{MISCEL} \\ \hline \textbf{MISCEL} \\ \hline \textbf{COS SA} \\ \text{RESULT} \\ \hline (-) \\ (-) \\ (-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-) \\ (+) \\ (+) \\ (+) \\ (+) \\ (+) \\ (+) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-)$	CING MATERIAL LANEOUS MATERIAL MATERIAL SAMPLED POURED FLOORING (01) POURED FLOORING CERAMIC TILE/GROUT (01) COVEBASE/MASTIC (01) GYPSUM WALLBOARD/ JOINT COMPOUND POURED FLOORING (01) POURED FLOORING (01) WALL AND CEILING PLASTER BRICK/MORTAR CAULK (01) INSULATION CAULK (01) INSULATION CAULK (02) VINYL FLOOR TILE/MASTIC (01) COVEBASE/MASTIC (02) GYPSUM WALLBOARD/ JOINT COMPOUND COVEBASE/MASTIC (03)
♦ INVEN DRAWING REFERENCI ♦ 002 ♦ 002 ♦ 002 ♦ 002 ♦ 003 ♦ 005 ♦ 006 ♦ 007 ♦ 006 ♦ 007 ♦ 010 ● 011 ● 012 ● 014 ● 017 ♦ 017 ♦ 018 ● 019	♦           FIELD CODE           25570.005-0001           25570.005-0003           25570.005-0003           25570.005-0003           25570.005-0004           25570.005-0005           25570.005-0006           25570.005-0008           25570.005-0001           25570.005-0008           25570.005-0011           25570.005-0011           25570.005-0011           25570.005-0011           25570.005-0011           25570.005-0014           25570.005-0015           25570.005-0016           25570.005-0017           25570.005-0018           25570.005-0018           25570.005-0018           25570.005-0018           25570.005-0018           25570.005-0018           25570.005-0018           25570.005-0018           25570.005-0018           25570.005-0018	$\begin{array}{c} \text{MISCEL} \\ \hline \textbf{MISCEL} \\ \hline \textbf{MISCEL} \\ \hline \textbf{LAB} \\ \textbf{RESULT} \\ \hline (-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ (-(-) \\ $	CING MATERIAL LANEOUS MATERIAL MATERIAL SAMPLED POURED FLOORING (01) POURED FLOORING CERAMIC TILE/GROUT (01) COVEBASE/MASTIC (01) GYPSUM WALLBOARD/ JOINT COMPOUND POURED FLOORING (01) WALL AND CEILING PLASTER BRICK/MORTAR CAULK (01) INSULATION CAULK (01) CAULK (02) VINYL FLOOR TILE/MASTIC (01) COVEBASE/MASTIC (02) GYPSUM WALLBOARD/ JOINT COMPOUND COVEBASE/MASTIC (03) MASTIC (01) POURED FLOORING (03)
↓           DRAVVING REFERENCI           ♦ 001           ♦ 002           ♦ 003           ♦ 004           ♦ 005           ♦ 005           ♦ 006           ♦ 007           ♦ 006           ♦ 007           ♦ 008           ♦ 009           ♦ 010           ♦ 011           ♦ 012           ♦ 013           ♦ 015           ♦ 015           ♦ 017           ♦ 018           ♦ 020           ♦ 020	♦         ●           TORY OF ASBES         25570.005-0001           25570.005-0002         25570.005-0003           25570.005-0004         25570.005-0004           25570.005-0006         25570.005-0007           25570.005-0007         25570.005-0008           25570.005-0008         25570.005-0001           25570.005-0001         25570.005-0011           25570.005-0011         25570.005-0011           25570.005-0011         25570.005-0011           25570.005-0011         25570.005-0011           25570.005-0011         25570.005-0011           25570.005-0011         25570.005-0011           25570.005-0011         25570.005-0011           25570.005-0011         25570.005-0011           25570.005-0011         25570.005-0011           25570.005-0011         25570.005-0011           25570.005-0011         25570.005-0011           25570.005-0011         25570.005-0011           25570.005-0011         25570.005-0011           25570.005-0011         25570.005-0011           25570.005-0011         25570.005-0011           25570.005-0011         25570.005-0011           25570.005-0011         25570.005-0011           25570.005-0011         25570.005-0011     <	$\begin{array}{c} \text{MISCEL} \\ \textbf{MISCEL} \\ \textbf{STOS SA} \\ \textbf{RESULT} \\ (-) \\ (-) \\ (-, -) \\ (-, -) \\ (-, -) \\ (-, -) \\ (-, -) \\ (-, -) \\ (-) \\ (+, -) \\ (+, -) \\ (+, -) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ ($	CING MATERIAL LANEOUS MATERIAL MATERIAL SAMPLED POURED FLOORING (01) POURED FLOORING CERAMIC TILE/GROUT (01) COVEBASE/MASTIC (01) GYPSUM WALLBOARD/ JOINT COMPOUND POURED FLOORING (01) POURED FLOORING (01) POURED FLOORING (01) WALL AND CEILING PLASTER BRICK/MORTAR MORTAR CAULK (01) CAULK (01) CAULK (01) CAULK (02) VINYL FLOOR TILE/MASTIC (02) GYPSUM WALLBOARD/ JOINT COMPOUND COVEBASE/MASTIC (03) MASTIC (01) POURED FLOORING (02) VINYL FLOOR TILE/MASTIC (04)
↓           DRAWING REFERENCI ♦ 002           ♦ 001           ♦ 005           ♦ 006           ♦ 007           ♦ 006           ♦ 007           ♦ 006           ♦ 007           ♦ 006           ♦ 007           ♦ 006           ♦ 007           ♦ 010           ♦ 011           ♦ 012           ♦ 013           ♦ 015           ♦ 016           ♦ 016           ♦ 018           ♦ 022           ♦ 022           ♦ 022	♦         ●           TORY OF ASBES         25570.005-0001           25570.005-0002         25570.005-0003           25570.005-0004         25570.005-0004           25570.005-0006         25570.005-0007           25570.005-0007         25570.005-0007           25570.005-0008         25570.005-0001           25570.005-0001         25570.005-0011           25570.005-0012         25570.005-0011           25570.005-0013         25570.005-0014           25570.005-0014         25570.005-0016           25570.005-0017         25570.005-0018           25570.005-0020         25570.005-0021           25570.005-0020         25570.005-0021	$\begin{array}{c} \text{MISCEL} \\ \textbf{MISCEL} \\ \textbf{TOS SA} \\ \textbf{RESULT} \\ (-) \\ (-) \\ (-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-) \\ (+) \\ (+) \\ (+) \\ (+) \\ (+) \\ (-1) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) $	CING MATERIAL LANEOUS MATERIAL MATERIAL SAMPLED POURED FLOORING (01) POURED FLOORING CERAMIC TILE/GROUT (01) COVEBASE/MASTIC (01) GYPSUM WALLBOARD/ JOINT COMPOUND POURED FLOORING (01) POURED FLOORING (01) POURED FLOORING (01) POURED FLOORING (01) WALL AND CEILING PLASTER BRICK/MORTAR MORTAR CAULK (01) INSULATION CAULK (01) COVEBASE/MASTIC (02) VINYL FLOOR TILE/MASTIC (01) COVEBASE/MASTIC (03) MASTIC (01) POURED FLOORING (02) VINYL FLOOR TILE/MASTIC (01) LAY-IN CEILING TILE (01)
♦ INVEN: DRAWING REFERENCE ♦ 002 ♦ 003 ♦ 005 ♦ 006 ♦ 007 ♦ 005 ♦ 006 ♦ 007 ♦ 008 ♦ 005 ♦ 006 ♦ 007 ♦ 001 ● 011 ● 011 ● 012 ● 013 ● 014 ● 015 ● 015 ● 016 ● 017 ● 018 ● 017 ● 018 ● 019 ● 022 ● 022 ● 022 ● 023 ■ 015 ● 025 ● 026 ● 027 ● 017 ● 015 ● 017 ● 018 ● 017 ● 018 ● 020 ● 022 ● 020 ● 022 ● 020 ● 020 ● 022 ● 020 ● 022 ● 02	♦         ●           TORY OF ASBES         CODE           25570.005-0001         25570.005-0002           25570.005-0004         25570.005-0004           25570.005-0007         25570.005-0007           25570.005-0007         25570.005-0001           25570.005-0008         25570.005-0011           25570.005-0011         25570.005-0011           25570.005-0013         25570.005-0011           25570.005-0014         25570.005-0011           25570.005-0016         25570.005-0011           25570.005-0017         25570.005-0011           25570.005-0018         25570.005-0021           25570.005-0022         25570.005-0022	$\begin{array}{c} \text{MISCEL} \\ \hline \textbf{MISCEL} \\ \hline \textbf{COS SA} \\ \text{RESULT} \\ \hline (-) \\ (-) \\ (-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-) \\ (+) \\ (+) \\ (+) \\ (+) \\ (+) \\ (+) \\ (-) \\ (-/-) \\ (-) \\ (-/-) \\ (-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/$	CING MATERIAL LANEOUS MATERIAL MATERIAL SAMPLED POURED FLOORING (01) POURED FLOORING CERAMIC TILE/GROUT (01) COVEBASE/MASTIC (01) GVPSUM WALLBOARD/ JOINT COMPOUND POURED FLOORING (01) POURED FLOORING (01) WALL AND CEILING PLASTER BRICK/MORTAR CAULK (01) INSULATION CAULK (01) INSULATION CAULK (01) INSULATION CAULK (01) COVEBASE/MASTIC (02) GYPSUM WALLBOARD/ JOINT COMPOUND COVEBASE/MASTIC (02) GYPSUM WALLBOARD/ JOINT COMPOUND COVEBASE/MASTIC (03) MASTIC (01) POURED FLOORING (02) VINYL FLOOR TILE/MASTIC (01) LAY-IN CEILING TILE (01)
♦ INVEN: DRAWING REFERENCI ♦ 002 ♦ 003 ♦ 005 ♦ 006 ♦ 007 ♦ 006 ♦ 007 ♦ 012 ● 013 ● 014 ♦ 015 ● 017 ♦ 017 ♦ 017 ♦ 018 ♦ 017 ♦ 017 ♦ 017 ♦ 017 ● 017 ● 012 ● 012 ● 014 ● 012 ● 014 ● 012 ● 014 ● 012 ● 012 ● 014 ● 012 ● 012	♦           FIELD CODE           25570.005-0001           25570.005-0003           25570.005-0003           25570.005-0004           25570.005-0006           25570.005-0007           25570.005-0008           25570.005-0009           25570.005-0001           25570.005-0001           25570.005-0001           25570.005-0010           25570.005-0011           25570.005-0011           25570.005-0011           25570.005-0011           25570.005-0011           25570.005-0011           25570.005-0011           25570.005-0011           25570.005-0011           25570.005-0011           25570.005-0011           25570.005-0011           25570.005-0011           25570.005-0011           25570.005-0011           25570.005-0011           25570.005-0011           25570.005-0011           25570.005-0012           25570.005-0021           25570.005-0022           25570.005-0022           25570.005-0022           25570.005-0024	$\begin{array}{c} \text{MISCEL} \\ \hline \textbf{MISCEL} \\ \hline \textbf{AB} \\ \text{RESULT} \\ \hline (-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-) \\ (+) \\ (+) \\ (+) \\ (+) \\ (-/-) \\ (-) \\ (-/-) \\ (-) \\ (-/-) \\ (-) \\ (-/-) \\ (-) \\ (-/-) \\ (-) \\ (-) \end{array}$	CING MATERIAL LANEOUS MATERIAL MATERIAL SAMPLED POURED FLOORING (01) POURED FLOORING CERAMIC TILE/GROUT (01) COVEBASE/MASTIC (01) GYPSUM WALLBOARD/ JOINT COMPOUND POURED FLOORING (01) WALL AND CEILING PLASTER BRICK/MORTAR CAULK (01) CAULK (01) CAULK (02) VINVL FLOOR TILE/MASTIC (01) COVEBASE/MASTIC (02) GYPSUM WALLBOARD/ JOINT COMPOUND COVEBASE/MASTIC (03) MASTIC (01) POURED FLOORING (02) VINVL FLOOR TILE/MASTIC (01) COVEBASE/MASTIC (03) MASTIC (01) POURED FLOORING (02) VINVL FLOOR TILE/MASTIC (01) CAULK (07) COVEBASE/MASTIC (03) MASTIC (01) POURED FLOORING (02) VINVL FLOOR TILE/MASTIC (01) CAULCON CEILING TILES (01) MUDDED JOINT FITTINGS
↓           DRAWING REFERENCI ♦ 002 ♦ 003 ♦ 005           ♦ 002 ♦ 004 ♦ 005           ♦ 006 ♦ 007 ♦ 008 ♦ 007           ♦ 006 ♦ 007           ♦ 006 ♦ 007           ♦ 010           ♦ 011           ♦ 013           ♦ 015           ● 013           ♦ 015           ● 017           ● 018           ● 022           ● 023           ● 024           ● 022           ● 023           ● 024           ● 025	♦         ●           TORY OF ASBES         25570.005-0001           25570.005-0002         25570.005-0003           25570.005-0004         25570.005-0004           25570.005-0006         25570.005-0007           25570.005-0007         25570.005-0001           25570.005-0008         25570.005-0001           25570.005-0001         25570.005-0011           25570.005-0011         25570.005-0011           25570.005-0013         25570.005-0011           25570.005-0014         25570.005-0011           25570.005-0015         25570.005-0011           25570.005-0014         25570.005-0011           25570.005-0015         25570.005-0011           25570.005-0014         25570.005-0011           25570.005-0015         25570.005-0011           25570.005-0014         25570.005-0011           25570.005-0018         25570.005-0021           25570.005-0021         25570.005-0022           25570.005-0022         25570.005-0023           25570.005-0024         25570.005-0024           25570.005-0025         25570.005-0025	$\begin{array}{c} \text{MISCEL} \\ \textbf{MISCEL} \\ \textbf{STOS SA} \\ \textbf{RESULT} \\ (-) \\ (-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-) \\ (-) \\ (+) \\ (+) \\ (-) \\ (+) \\ (+) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-$	CING MATERIAL LANEOUS MATERIAL MATERIAL SAMPLED POURED FLOORING (01) POURED FLOORING CERAMIC TILE/GROUT (01) COVEBASE/MASTIC (01) GYPSUM WALLBOARD/ JOINT COMPOUND POURED FLOORING (01) POURED FLOORING (01) POURED FLOORING (01) WALL AND CEILING PLASTER BRICK/MORTAR MORTAR CAULK (01) CAULK (01) CAULK (02) VINYL FLOOR TILE/MASTIC (01) COVEBASE/MASTIC (02) GYPSUM WALLBOARD/ JOINT COMPOUND COVEBASE/MASTIC (03) MASTIC (01) POURED FLOORING (02) VINYL FLOOR TILE/MASTIC (01) LAY-IN CEILING TILE (01) LAY-IN CEILING TILE (01) LAY-IN CEILING TILE (01) MADTIC (02) SINK UNDERCOATING (01)
↓           DRAWING REFERENCI ♦ 002           ♦ 002           ♦ 003           ♦ 005           ♦ 006           ♦ 007           ♦ 007           ♦ 006           ♦ 007           ♦ 006           ♦ 007           ♦ 010           ♦ 011           ♦ 012           ♦ 013           ♦ 015           ♦ 016           ♦ 015           ♦ 016           ♦ 017           ♦ 018           ♦ 019           ♦ 022           ♦ 022           ♦ 023           ● 022           ♦ 023           ● 022           ♦ 023           ● 022           ♦ 023           ● 022           ♦ 023           ● 022           ● 023           ● 022           ● 023           ● 022           ● 023           ● 022           ● 023           ● 024           ● 025           ● 026           ● 027           ● 028           ● 029	♦         ●           TORY OF ASBES         25570.005-0001           25570.005-0002         25570.005-0003           25570.005-0004         25570.005-0004           25570.005-0006         25570.005-0007           25570.005-0007         25570.005-0008           25570.005-0008         25570.005-0011           25570.005-0010         25570.005-0011           25570.005-0012         25570.005-0011           25570.005-0013         25570.005-0014           25570.005-0016         25570.005-0017           25570.005-0017         25570.005-0018           25570.005-0020         25570.005-0021           25570.005-0023         25570.005-0023           25570.005-0024         25570.005-0024           25570.005-0026         25570.005-0026           25570.005-0026         25570.005-0026           25570.005-0026         25570.005-0026	$\begin{array}{c} \text{MISCEL} \\ \hline \textbf{MISCEL} \\ \hline \textbf{TOS SA} \\ \text{RESULT} \\ (-) \\ (-) \\ (-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-) \\ (+) \\ (+) \\ (+) \\ (+) \\ (-/-) \\ (-) \\ (-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\$	CING MATERIAL LANEOUS MATERIAL MATERIAL SAMPLED POURED FLOORING (01) POURED FLOORING CERAMIC TILE/GROUT (01) COVEBASE/MASTIC (01) GYPSUM WALLBOARD/ JOINT COMPOUND POURED FLOORING (01) POURED FLOORING (01) POURED FLOORING (01) WALL AND CEILING PLASTER BRICK/MORTAR CAULK (01) INSULATION CAULK (01) CAULK (01) CAULK (02) VINYL FLOOR TILE/MASTIC (01) COVEBASE/MASTIC (02) GYPSUM WALLBOARD/ JOINT COMPOUND COVEBASE/MASTIC (03) MASTIC (01) POURED FLOORING (02) VINYL FLOOR TILE/MASTIC (01) LAY-IN CEILING TILE (01) GLUED-ON CEILING TILE (01) GLUED-ON CEILING TILE (01) MASTIC (02) VINYL FLOOR TILE/MASTIC (02) VINYL FLOOR TILE/MASTIC (01) MASTIC (02) VINYL FLOOR TILE/MASTIC (02) VINYL FLOOR TILE/MASTIC (03) MASTIC (02) VINYL FLOOR TILE/MASTIC (04) MASTIC (02) VINYL FLOOR TILE/MASTIC (05) MASTIC (02) VINYL FLOOR TILE/MASTIC (05) MASTIC (02) VINYL FLOOR TILE/MASTIC (02) VINYL FLOOR TILE/MASTIC (03) MASTIC (02) VINYL FLOOR TILE/MASTIC (04) MASTIC (02) VINYL FLOOR TILE/MASTIC (05) MASTIC (02) MASTIC (02) MASTIC (02) MASTIC (02) MASTIC (05) MASTIC (0
↓           DRAWING REFERENCE           ♦ 001           ♦ 002           ♦ 003           ♦ 005           ♦ 006           ♦ 007           ♦ 006           ● 0010           ● 010           ● 011           ● 013           ● 014           ● 015           ● 016           ● 017           ● 018           ● 020           ● 021           ● 020           ● 021           ● 020           ● 021           ● 020           ● 021           ● 020           ● 022           ● 022           ● 023           ● 022           ● 023           ● 022           ● 023           ● 022           ● 023           ● 022           ● 023           ● 022           ● 023           ● 022           ● 023           ● 024           ● 025           ● 027           ● 028           ● 027           ● 028           <	♦         ●           FIELD CODE         25570.005-0001           25570.005-0002         25570.005-0003           25570.005-0003         25570.005-0004           25570.005-0007         25570.005-0007           25570.005-0007         25570.005-0007           25570.005-0007         25570.005-0001           25570.005-0007         25570.005-0011           25570.005-0011         25570.005-0011           25570.005-0013         25570.005-0011           25570.005-0014         25570.005-0011           25570.005-0011         25570.005-0011           25570.005-0011         25570.005-0011           25570.005-0011         25570.005-0011           25570.005-0012         25570.005-0011           25570.005-0011         25570.005-0011           25570.005-0023         25570.005-0023           25570.005-0023         25570.005-0024           25570.005-0025         25570.005-0025           25570.005-0025         25570.005-0027           25570.005-0025         25570.005-0027           25570.005-0025         25570.005-0027           25570.005-0025         25570.005-0027           25570.005-0025         25570.005-0027           25570.005-0025         25570.005-0027 <td><math display="block">\begin{array}{c} \text{MISCEL} \\ \hline \textbf{MISCEL} \\ \hline \textbf{COS SA} \\ \text{RESULT} \\ \hline (-) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) 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TILE/MASTIC SEAL ANT</td>	$\begin{array}{c} \text{MISCEL} \\ \hline \textbf{MISCEL} \\ \hline \textbf{COS SA} \\ \text{RESULT} \\ \hline (-) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) \\ (-7, -) 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↓           DRAWVING REFERENCI ♦ 002           ♦ 002           ♦ 003           ♦ 005           ♦ 006           ♦ 007           ♦ 006           ♦ 007           ♦ 006           ♦ 007           ♦ 010           ♦ 011           ♦ 012           ♦ 014           ♦ 015           ♦ 017           ♦ 018           ♦ 022           ♦ 021           ♦ 022           ♦ 021           ♦ 022           ♦ 022           ♦ 022           ♦ 022           ♦ 022           ♦ 022           ♦ 022           ♦ 022           ♦ 022           ♦ 022           ♦ 022           ♦ 022           ♦ 022           ♦ 022           ♦ 022           ♦ 022           ♦ 022           ♦ 022           ♦ 022           ♦ 022           ♦ 022           ♦ 028	♦         ●           TORY OF ASBES         FIELD           25570.005-0002         25570.005-0003           25570.005-0004         25570.005-0004           25570.005-0004         25570.005-0006           25570.005-0006         25570.005-0007           25570.005-0008         25570.005-0001   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\textbf{TOS SA} \\ \textbf{RESULT} \\ (-) \\ (-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-) \\ (+) \\ (-) \\ (+) \\ (+) \\ (+) \\ (+) \\ (+) \\ (+) \\ (+) \\ (+) \\ (-) \\ (+) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (+) \\ (-) \\ (-) \\ (+) \\ (-) \\ (+) \\ (-) \\ (+) \\ (-) \\ (+) \\ (-) \\ (+) \\ (-) \\ (+) \\ (-) \\ (+) \\ (-) \\ (+) \\ (-) \\ (+) \\ (-) \\ (+) \\ (-) \\ (+) \\ (-) \\ (+) \\ (-) \\ (+) \\ (-) \\ (+) \\ (-) \\ (+) \\ (-) \\ (+) \\ (-) \\ (+) \\ (-) \\ (+) \\ (-) \\ (+) \\ (-) \\ (+) \\ (-) \\ (+) \\ (-) \\ (+) \\ (-) \\ (+) \\ (-) \\ (+) \\ (-) \\ (+) \\ (-) \\ (+) \\ (-) \\ (+) \\ (-) \\ (+) \\ (-) \\ (+) \\ (-) \\ (+) \\ (-) \\ (+) \\ (-) \\ (+) \\ (-) \\ (+) \\ (-) \\ (+) \\ (-) \\ (+) \\ (-) \\ (+) \\ (-) \\ (+) \\ (-) \\ (+) \\ (-) \\ (+) \\ (-) \\ (+) \\ (-) \\ (+) \\ (-) \\ (+) \\ (-) \\ (+) \\ (-) \\ (+) \\ (-) \\ (+) \\ (-) \\ (+) \\ (-) \\ (+) \\ (-) \\ (+) \\ (-) \\ (+) \\ (-) \\ (+) \\ (-) \\ (+) \\ (-) \\ (+) \\ (-) \\ (+) \\ (-) \\ (+) \\ 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↓           DRAWING REFERENCI ♦ 002           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓ <tr< td=""><td>♦         ♦           TORY OF ASBES         25570.005-0001           25570.005-0002         25570.005-0003           25570.005-0004         25570.005-0004           25570.005-0006         25570.005-0006           25570.005-0007         25570.005-0007           25570.005-0008         25570.005-0001           25570.005-0011         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TILE/MASTIC SEALANT CAULK (03) COVEBASE/MASTIC (04)</td></tr<>	♦         ♦           TORY OF ASBES         25570.005-0001           25570.005-0002         25570.005-0003           25570.005-0004         25570.005-0004           25570.005-0006         25570.005-0006           25570.005-0007         25570.005-0007           25570.005-0008         25570.005-0001           25570.005-0011         25570.005-0011           25570.005-0012         25570.005-0011           25570.005-0014         25570.005-0011           25570.005-0015         25570.005-0011           25570.005-0014         25570.005-0011           25570.005-0019         25570.005-0012           25570.005-0011         25570.005-0011           25570.005-0012         25570.005-0011           25570.005-0014         25570.005-0012           25570.005-0021         25570.005-0021           25570.005-0022         25570.005-0022           25570.005-0025         25570.005-0025           25570.005-0026         25570.005-0028           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↓           DRAWING REFERENCI ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦	♦         ●           FIELD CODE         25570.005-0001           25570.005-0002         25570.005-0003           25570.005-0004         25570.005-0004           25570.005-0007         25570.005-0007           25570.005-0008         25570.005-0001           25570.005-0008         25570.005-0011           25570.005-0010         25570.005-0011           25570.005-0012         25570.005-0013           25570.005-0013         25570.005-0014           25570.005-0014         25570.005-0017           25570.005-0018         25570.005-0012           25570.005-0021         25570.005-0023           25570.005-0023         25570.005-0024           25570.005-0024         25570.005-0027           25570.005-0028         25570.005-0028           25570.005-0029         25570.005-0027           25570.005-0028         25570.005-0028           25570.005-0029         25570.005-0027           25570.005-0028         25570.005-0028           25570.005-0029         25570.005-0029           25570.005-0029         25570.005-0030           25570.005-0030         25570.005-0031	$\begin{array}{c} \text{MISCEL} \\ \hline \textbf{MISCEL} \\ \hline \textbf{TOS SA} \\ \text{RESULT} \\ \hline (-) \\ (-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-) \\ (+/-) \\ (-) \\ (+/-) \\ (-/-) \\ (-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/$	CING MATERIAL LANEOUS MATERIAL MATERIAL SMARFLED POURED FLOORING (01) POURED FLOORING CERAMIC TILE/GROUT (01) COVEBASE/MASTIC (01) GYPSUM WALLBOARD/ JOINT COMPOUND POURED FLOORING (01) POURED FLOORING (01) POURED FLOORING (01) WALL AND CEILING PLASTER BRICK/MORTAR CAULK (01) INSULATION CAULK (01) CAULK (02) VINYL FLOOR TILE/MASTIC (01) COVEBASE/MASTIC (02) GYPSUM WALLBOARD/ JOINT COMPOUND COVEBASE/MASTIC (03) MASTIC (01) POURED FLOOR TILE/MASTIC (01) LAY-IN CEILING TILE (01) GLUED-ON CEILING TILES (01) MUDED JOINT FITTINGS SINK UNDERCOATING (01) MASTIC (02) VINYL FLOOR TILE/MASTIC SEALANT CAULK (03) COVEBASE/MASTIC (04) VINYL FLOOR TILE/MASTIC (04)
♦ INVEN DRAWING REFERENCI ♦ 002 ♦ 002 ♦ 003 ♦ 005 ♦ 006 ♦ 007 ♦ 009 ♦ 011 ♦ 012 ● 013 ● 014 ♦ 013 ● 014 ♦ 015 ● 017 ♦ 018 ● 021 ● 021 ● 022 ● 024 ■ 025 ● 021 ● 021 ● 021 ● 023 ● 014 ● 017 ● 021 ● 023 ● 023 ● 023 ● 023 ● 023 ● 024 ■ 025 ● 023 ● 024 ● 022 ● 024 ● 022 ● 024 ● 022 ● 023 ● 023 ● 023 ● 023 ● 024 ● 022 ● 023 ● 024 ● 022 ● 023 ● 024 ● 022 ● 023 ● 023 ● 024 ● 022 ● 023 ● 024 ● 022 ● 023 ● 023 ● 027 ● 023 ● 023 ● 027 ● 022 ● 024 ● 022 ● 022 ● 023 ● 023 ● 023 ● 023 ● 022 ● 023 ● 029 ● 027 ● 029 ● 031 ● 032 ● 032 ● 032 ● 033 ● 032 ● 032 ● 033 ● 032 ● 033 ● 032 ● 033 ● 032 ● 033 ● 033 ● 035 ● 035 ■ 035 ● 035 ■ 035 ■ 035 ■ 035 ■ 0 ■ 0 ■ 0 ■ 0 ■ 0 ■ 0 ■ 0 ■ 0	♦         ●           FIELD CODE         25570.005-0001           25570.005-0002         25570.005-0003           25570.005-0004         25570.005-0004           25570.005-0007         25570.005-0007           25570.005-0007         25570.005-0007           25570.005-0007         25570.005-0011           25570.005-0011         25570.005-0011           25570.005-0013         25570.005-0011           25570.005-0014         25570.005-0011           25570.005-0015         25570.005-0011           25570.005-0011         25570.005-0011           25570.005-0011         25570.005-0011           25570.005-0012         25570.005-0011           25570.005-0023         25570.005-0021           25570.005-0023         25570.005-0022           25570.005-0024         25570.005-0024           25570.005-0025         25570.005-0025           25570.005-0025         25570.005-0026           25570.005-0028         25570.005-0028           25570.005-0029         25570.005-0029           25570.005-0029         25570.005-0029           25570.005-0029         25570.005-0029           25570.005-0030         25570.005-0031           25570.005-0031         25570.005-0032 <td><math display="block">\begin{array}{c} \text{MISCEL} \\ \hline \textbf{MISCEL} \\ \hline \textbf{COS SA} \\ \text{RESULT} \\ \hline (-) \\ (-) \\ (-/-) \\ (-/-) \\ 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↓           DRAWVING REFERENCI ♦ 002           ♦ 005           ♦ 006           ♦ 007           ♦ 006           ♦ 007           ♦ 010           ♦ 010           ♦ 010           ♦ 010           ♦ 010           ♦ 011           ♦ 012           ♦ 014           ♦ 015           ● 018           ● 018           ● 022           ● 021           ● 021           ● 018           ● 022           ● 021           ● 022           ● 023           ● 024           ■ 025           ● 028           ● 0301           ● 0301           ● 0301           ● 0301           ● 0302           ● 0301           ● 0302           ● 0301           ● 0302           ● 0301           ● 0302           ● 0302           ● 0302	♦           FIELD CODE           25570.005-0001           25570.005-0002           25570.005-0003           25570.005-0004           25570.005-0004           25570.005-0004           25570.005-0004           25570.005-0006           25570.005-0007           25570.005-0008           25570.005-0001           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COVEBASE/MASTIC (05) VINYL FLOOR TILE/MASTIC (05) VI
↓           DRAWING REFERENCI ♦ 002           ♦ 003           ♦ 005           ♦ 006           ♦ 007           ♦ 006           ♦ 007           ♦ 006           ♦ 007           ♦ 006           ♦ 007           ♦ 006           ♦ 007           ♦ 008           ♦ 0010           ♦ 012           ♦ 013           ♦ 015           ♦ 017           ♦ 017           ♦ 022           ♦ 022           ♦ 022           ♦ 022           ♦ 022           ♦ 023           ● 024           ♦ 025           ♦ 026           ♦ 027           ♦ 028           ♦ 027           ♦ 028           ♦ 0303           ♦ 033           ♦ 033           ♦ 033           ♦ 033	♦         ●           TORY OF ASBES         25570.005-0001           25570.005-0002         25570.005-0003           25570.005-0003         25570.005-0006           25570.005-0006         25570.005-0007           25570.005-0007         25570.005-0001           25570.005-0001         25570.005-0011           25570.005-0011         25570.005-0011           25570.005-0011         25570.005-0011           25570.005-0013         25570.005-0011           25570.005-0014         25570.005-0011           25570.005-0015         25570.005-0011           25570.005-0016         25570.005-0011           25570.005-0017         25570.005-0011           25570.005-0018         25570.005-0021           25570.005-0021         25570.005-0022           25570.005-0022         25570.005-0023           25570.005-0024         25570.005-0024           25570.005-0025         25570.005-0028           25570.005-0024         25570.005-0024           25570.005-0031         25570.005-0031           25570.005-0033         25570.005-0033           25570.005-0033         25570.005-0033           25570.005-0033         25570.005-0034           25570.005-0034         25570.005-0034     <	$\begin{array}{c} \text{MISCEL} \\ \textbf{MISCEL} \\ \textbf{TOS SA} \\ \textbf{RESULT} \\ (-) \\ (-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-) \\ (-) \\ (-) \\ (+) \\ (-) \\ (+) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-) \\ (-)$	CING MATERIAL LANEOUS MATERIAL MATERIAL SAMPLED POURED FLOORING (01) POURED FLOORING CERAMIC TILE/GROUT (01) COVEBASE/MASTIC (01) GYPSUM WALLBOARD/ JOINT COMPOUND POURED FLOORING (01) POURED FLOORING (01) POURED FLOORING (01) WALL AND CEILING PLASTER BRICK/MORTAR CAULK (01) CAULK (01) CAULK (01) CAULK (02) VINYL FLOOR TILE/MASTIC (01) COVEBASE/MASTIC (02) GYPSUM WALLBOARD/ JOINT COMPOUND COVEBASE/MASTIC (03) MASTIC (01) POURED FLOORING (02) VINYL FLOOR TILE/MASTIC (01) LAY-IN CEILING TILE (01) GLUED-ON CEILING TILE (01) MASTIC (02) VINYL FLOOR TILE/MASTIC (
↓           DRAWING REFERENCI ♦           002           ♦           003           ♦           ♦           006           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦           ♦      <	♦         ●           FIELD CODE         25570.005-0001           25570.005-0002         25570.005-0003           25570.005-0004         25570.005-0004           25570.005-0006         25570.005-0007           25570.005-0007         25570.005-0008           25570.005-0008         25570.005-0001           25570.005-0008         25570.005-0011           25570.005-0011         25570.005-0011           25570.005-0013         25570.005-0014           25570.005-0014         25570.005-0011           25570.005-0019         25570.005-0011           25570.005-0019         25570.005-0012           25570.005-0019         25570.005-0011           25570.005-0020         25570.005-0021           25570.005-0021         25570.005-0022           25570.005-0022         25570.005-0023           25570.005-0023         25570.005-0024           25570.005-0024         25570.005-0027           25570.005-0028         25570.005-0028           25570.005-0028         25570.005-0027           25570.005-0023         25570.005-0023           25570.005-0031         25570.005-0033           25570.005-0033         25570.005-0033           25570.005-0033         25570.005-0033 <td><math display="block">\begin{array}{c} \text{MISCEL} \\ \hline \textbf{MISCEL} \\ \hline \textbf{TOS SA} \\ \text{RESULT} \\ (-) \\ (-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) 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↓           DRAWING REFERENCI ♦ 001           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓           ↓ <tr< td=""><td>♦           FIELD CODE           25570.005-0001           25570.005-0002           25570.005-0004           25570.005-0004           25570.005-0007           25570.005-0007           25570.005-0007           25570.005-0008           25570.005-0008           25570.005-0001           25570.005-0001           25570.005-0010           25570.005-0011           25570.005-0013           25570.005-0014           25570.005-0016           25570.005-0017           25570.005-0018           25570.005-0021           25570.005-0022           25570.005-0023           25570.005-0024           25570.005-0022           25570.005-0028           25570.005-0029           25570.005-0028           25570.005-0031           25570.005-0032           25570.005-0033           25570.005-0033           25570.005-0033           25570.005-0033           25570.005-0034           25570.005-0035           25570.005-0036           25570.005-0036           25570.005-0036           25570.005-0036           <td< td=""><td><math display="block">\begin{array}{c} \text{MISCEL} \\ \hline \textbf{MISCEL} \\ \hline \textbf{COS SA} \\ \hline \textbf{RESULT} \\ \hline (-) \\ (-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ 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          25570.005-0013           25570.005-0014           25570.005-0016           25570.005-0017           25570.005-0018           25570.005-0021           25570.005-0022           25570.005-0023           25570.005-0024           25570.005-0022           25570.005-0028           25570.005-0029           25570.005-0028           25570.005-0031           25570.005-0032           25570.005-0033           25570.005-0033           25570.005-0033           25570.005-0033           25570.005-0034           25570.005-0035           25570.005-0036           25570.005-0036           25570.005-0036           25570.005-0036 <td< td=""><td><math display="block">\begin{array}{c} \text{MISCEL} \\ \hline \textbf{MISCEL} \\ \hline \textbf{COS SA} \\ \hline \textbf{RESULT} \\ \hline (-) \\ (-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) \\ (-/-) 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#### INVENTORY OF ASBESTOS SAMPLES (CONTINUED)

DRAWING REFERENCE	FIELD CODE	LAB RESULT	MATERIAL SAMPLED
<b>0</b> 47	25570.005-0047	(+)	MASTIC (03)
<b>\$</b> 048	25570.005-0048	(-)	MASTIC (04)
<b>\$</b> 049	25570.005-0049	(-)	DUCT FELT TAPE
050	25570.005-0050	(+)	SINK UNDERCOATING (01)
<b>O</b> 051	25570.005-0051	(-)	MUDDED JOINT FITTINGS
<b>O</b> 052	25570.005-0052	(-)	MECHANICAL ISOLATION CLOTH
<b>\$</b> 053	25570.005-0053	(-)	CAULK (03)
<b>\$</b> 054	25570.005-0054	(-)	SKIMCOAT
<b>O</b> 055	25570.005-0055	(-)	MUDDED JOINT FITTINGS
<b>Q</b> 056	25570.005-0056	(-)	MUDDED JOINT FITTINGS
<b>Q</b> 057	25570.005-0057	(-)	MATERIAL DEBRIS
058	25570.005-0058	(+/-)	GYPSUM WALLBOARD/
			JOINT COMPOUND
<b>Q</b> 059	25570.005-0059	(-)	MASTIC (05)
• 060	25570.005-0060	(+)	MASTIC (06)
<b>Q</b> 061	25570.005-0061	(-)	MASTIC (07)
<b>Q</b> 062	25570.005-0062	(-)	LAB COUNTER TOP
<b>Q</b> 063	25570.005-0063	(-)	LAB COUNTER TOP
064	25570.005-0064	(<1%)	MASTIC (06)
<b>Q</b> 065	25570.005-0065	(-/-/-)	GLUED-ON CEILING TILES
<b>Q</b> 066	25570.005-0066	(-)	MASTIC (08)
$\mathbf{\Phi}^{067}$	25570.005-0067	(-/-/-)	VINYL FLOOR TILE/MASTIC (03)
<b>Q</b> 068	25570.005-0068	(-/-)	MUDDED JOINT FITTINGS
<b>Q</b> 069	25570.005-0069	(-/-)	MATERIAL DEBRIS
$\mathbf{\hat{q}}^{070}$	25570.005-0070	(-/-)	LAY-IN CEILING TILE (01)
071	25570.005-0071	(<1%/+/-)	GYPSUM WALLBOARD/
A			JOINT COMPOUND
<b>X</b> <sup>072</sup>	25570.005-0072	(-/-)	CONCRETE
<b>Q</b> 073	25570.005-0073	(-/-)	VINYL FLOOR TILE/MASTIC (02)
<b>Q</b> 074	25570.005-0074	(-/-)	MUDDED JOINT FITTINGS
8075	25570.005-0075	(-)	MASTIC (09)
8076	25570.005-0076	(-)	MASTIC (10)
8077	25570.005-0077	(-/-)	CAULK (4)
X 078	25570.005-0078	(-/-)	CAULK (4)
X 0/9	25570.005-0079	(-)	CAULK (5)
<b>A</b> 000	25570.005-0060	(-)	SILICONE
A000	25570.005-0061	(-)	TEXTURED WALL MATERIAL
X 002	25570.005-0062	(-)	CAULK (6)
X 000	25570.005-0060	(-)	MUDDED JOINT FITTINGS
X08/	25570.005-0087	(-)	MUDDED JOINT FITTINGS
X	25570.005-0000	(-)	SUIL
X	25570.005-0069	(-)	SUIL
X102	25570.005-0090	(-) (-l-l-)	SUIL
X 102	25570.005-0102	(-)-/-)	
<b>A</b> 102	20070.000-0100	(-)	PAPER

#### LEAD SAMPLE SYMBOLS

٨	1007	DRAWING	REFERENCE	TO LEAD	SAMPLE	FIELD CODE,	
4	1007	SEE INVEN	TORY OF SAM	<b>IPLES</b>			
	<u> </u>	MATERIAL	SYMBOL				

LEAD DETECTED	Δ	BELOW THE LIMIT OF DETECTION

#### INVENTORY OF AA LEAD SAMPLES

SAMPLE NUMBER	FIELD CODE	LAB RESULT (ppm)	MATERIAL DESCRIPTION
▲1001	25570.005-1001	140	PAINT ON HUNTER GYM; EAST WALL, WOOD, GREEN, INTACT
▲1002	25570.005-1002	12.4	PAINT ON CUSTODIAN CLOSET; NORTH SIDE, WALL, GYPSUM, EGGSHELL, DAMAGED
▲1003	25570.005-1003	185	PAINT ON COURYARD; RAIN SPOUT, WEST SIDE, SPOUT, METAL, BURNT SIENNA,
<b>▲</b> 1004	25570.005-1004	28,900	DAMAGED CONDITION PAINT ON COURTYARD; VERTICAL SOFFIT PANEL, WEST SIDE, METAL, DARK GRAY, DAMAGED CONDITION



**FIRST FLOOR** 



#### GENERAL NOTES

- THIS DRAWING IS DIAGRAMMATIC. IT IS FOR GENERAL INFORMATION AND SAMPLE LOCATIONS. 1
- ACCESSIBLE SPACES WERE SURVEYED FOR SUSPECT HAZARDOUS MATERIALS. WHEN OBSERVED, THE MATERIALS WERE NOTED ON THE DRAWING. 2.

#### LEGEND

+++++++++ PCB-CONTAINING GRAY WINDOW FRAME CAULK

#### PCB SAMPLE SYMBOLS

⊗ PCB-# PCB SAMPLE LOCATION AND NUMBER

#### PCB SAMPLE INVENTORY

SAMPLE NUMBER	LOCATION/ COMPONENT	LAB RESULT <sup>1</sup>	REGULATORY LIMIT <sup>1</sup>
PCB-001	HUNTER GYM, INTERIOR, NORTH SIDE, PERIMETER WINDOW CAULKING - GRAY	6.5	
PCB-002	HUNTER GYM, EXTERIOR, NORTHEAST SIDE, DOOR FRAME CAULKING - GRAY	460	
PCB-003	DIVINE HALL, ROOM 313, INTERIOR WINDOW FRAME CAULK - DARK BROWN	<0.92	
PCB-004	HUNTER GYM, EAST SIDE, EXTERIOR PERIMETER WINDOW CAULKING - GRAY	10,300	50 ppm
PCB-005	HUNTER GYM, NORTH SIDE, ADJACENT TO PERIMETER DOOR FRAME CAULKING - RED BRICK, GRAY MORTAR	2	PCB BULK PRODUCT WASTE UNDER THE TOXIC SUBSTANCES CONTROL ACT (40
PCB-006	HUNTER GYM, NORTH SIDE, 8 CM TO PERIMETER DOOR FRAME CAULKING - RED BRICK, GRAY MORTAR	<3.2	CFR PART 761)
PCB-007	HUNTER GYM, SOUTH SIDE, EXTERIOR PERIMETER PANEL CAULKING - BLACK	1.3	
PCB-008	HUNTER GYM, SOUTH SIDE, EXTERIOR PERIMETER EXHAUST VENT CAULKING - GRAY	2,160	
PCB-009	HUNTER GYM, EAST SIDE, ADJACENT TO PERIMETER WINDOW CAULKING = RED BRICK, GRAY MORTAR	1170	
PCB-010	HUNTER GYM, EAST SIDE, 8 CM TO PERIMETER WINDOW CAULKING = RED BRICK, GRAY MORTAR	18.2	

<sup>1</sup>RESULTS AND REGULATORY LIMIT PRESENTED IN PARTS PER MILLION (PPM);

JLL SIZE SHEET FORMAT IS 24X36; IF PRINTED SIZE IS NOT 24X36, THEN THIS SHEET FORMAT HAS BEEN MODIFIED & INDICATED DRAWING SCALE IS NOT ACCURATE.



FIRST FLOOR



APPROXIMATE SCALE: 1" = 16' 0 8' 16' 32'

PREPARED FOR: WASHINGTON DEPARTMENT OF ENTERPRISE SERVICES

#### GENERAL NOTES

- 1. THIS DRAWING IS DIAGRAMMATIC. IT IS FOR GENERAL INFORMATION AND SAMPLE LOCATIONS.
- 2. ACCESSIBLE SPACES WERE SURVEYED FOR SUSPECT HAZARDOUS MATERIALS. WHEN OBSERVED, THE MATERIALS WERE NOTED ON THE DRAWING.

#### ASBESTOS SAMPLE SYMBOLS

€ 007 -	DRAV SEE I	VING REFEA	RENCE TO BULK SAMPLE FIELD CODE, OF SAMPLES
	MATE	RIAL SYME	3OL
NOT TESTED	NEGATIVE	POSITIVE	
0	θ	•	THERMAL SYSTEM INSULATION
			SURFACING MATERIAL
٥	♦	•	MISCELLANEOUS MATERIAL

#### INVENTORY OF ASBESTOS SAMPLES

DRAWING REFERENCE	FIELD CODE	LAB RESULT	MATERIAL SAMPLED
<b>♦</b> 082 <b>♦</b> 083 <b>♦</b> 091 <b>♦</b> 092 <b>♦</b> 093 <b>♦</b> 094 <b>♦</b> 095 <b>♦</b> 096 <b>♦</b> 097 <b>♦</b> 098 <b>♦</b> 099 <b>♦</b> 099 <b>♦</b> 099 <b>♦</b> 099 <b>♦</b> 099 <b>♦</b> 100	25570.005-0082 25570.005-0083 25570.005-0084 25570.005-0091 25570.005-0093 25570.005-0093 25570.005-0096 25570.005-0096 25570.005-0098 25570.005-0099 25570.005-0099 25570.005-0099	(-) (-) (-/-/-/-) (-/-/-/-) (-/-/-/-) (-/-/-/-) (-/-/-/-) (-) (-) (-) (-) (-) (-) (-) (-) (-) (	CAULK (6) CAULK (7) CAULK (8) BUILT-UP ROOFIN BUILT-UP ROOFIN BUILT-UP ROOFIN BUILT-UP ROOFIN BUILT-UP ROOFIN BUILT-UP ROOFIN GAULK BUILT-UP ROOFIN MASTIC
<b>Q</b> 101	25570.005-0101	(-/-/-/-/-/-)	BUILT-UP ROOFIN

#### LEAD SAMPLE SYMBOLS

<b>A</b> 1007	DRAWING	REFERENCE	TO LEAD	SAMPLE	FIELD	CODE
	MATERIAL	SYMBOL				

#### **ightarrow** LEAD DETECTED ightarrow BELOW THE LIMIT OF DETECTION

#### INVENTORY OF AA LEAD SAMPLES

SAMPLE NUMBER	FIELD CODE	LAB RESULT (ppm)	MATERIAL DESCRIPTION
▲1005	25570.005-1005	1,330	PAINT ON DIVINE HALL; ROOF ON MUSHROOM VENT, METAL, SILVER, DAMAGED
▲1006	25570.005-1006	131	PAINT ON DIVINE HALL; ROOF, ON HVAC UNIT, SOUTH SIDE, HVAC UNIT, METAL, BROWN, DAMAGED
▲1007	25570.005-1007	43,800	PAINT ON HUNTER GYM; LOWER ROOF, ON MUSHROOM VENT, METAL, SILVER, DAMAGED

L SIZE SHEET FORMAT IS 24X36; IF PRINTED SIZE IS NOT 24X36, THEN THIS SHEET FORMAT HAS BEEN MODIFIED & INDICATED DRAWING SCALE IS NOT ACCURATE.



PREPARED FOR: WASHINGTON DEPARTMENT OF ENTERPRISE SERVICES



APPROXIMATE SCALE: 1" = 16' 0 8' 16' 32'

<u>Code</u>	<u>Material</u>		<u>Location</u>	<u>Results</u>	<u>Lab</u>
25570.005-0001	Poured Flooring (01)		Hunter gym; boys locker room, on concrete, green sandy poured flooring		Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	hard granular material, green/gray, with coating, gray/red	No Asbestos Detected	
25570.005-0002	Poured Flooring		Hunter gym; boys locker room, c brittle, smooth flooring with yello	on poured flooring, gray, ow mastic	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	thin brittle material, gray, with mastic, yellow/clear	No Asbestos Detected	
25570.005-0003	Ceramic Tile/Grout (01)		Hunter gym; boys locker room, on walls, 3" by 3" mint green ceramic tile with white grout and yellow mastic		Lab Cor
		Layer:	Description:	Analysis:	
		Layer 01	hard compact powder, white/green	No Asbestos Detected	
		Layer 02	mastic, tan	No Asbestos Detected	
25570.005-0004	Covebase/Mastic (01)		Hunter gym; outside boys locker with tan mastic	room, 4" brown covebase	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 01	rubbery material, brown	No Asbestos Detected	
		Layer 02	mastic with coating, off- white/tan/green	No Asbestos Detected	
25570.005-0005	Gypsum Wallboard/Joint Compound		Hunter gym; outside boys locker room, white wallboard with white compound		Lab Cor
		Layer:	Description:	Analysis:	
		Layer 01	coating, white/green	No Asbestos Detected	
	Layer 02		compact chalky material with paper, white	No Asbestos Detected	
25570.005-0006	Poured Flooring ((	)1)	Hunter gym; outside girls locker sandy poured flooring	room, on concrete, green,	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	hard granular material, green/tan/red	No Asbestos Detected	



<u>Code</u>	<u>Material</u>		Location	<u>Results</u>	<u>Lab</u>
25570.005-0007	Poured Flooring (01)		Hunter gym; outside girls locker room, on concrete, green, sandy poured flooring		Lab Cor
		Layer:	Description:	Analysis:	
		Layer 01	hard compact material, white/yellow	No Asbestos Detected	
		Layer 02	mastic material, yellow/tan	No Asbestos Detected	
25570.005-0008	Wall and Ceiling P	laster	Hunter gym; storage closet, on re plaster painted white	ed brick & mortar, gray	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	granular compact powder, gray, with paint, white/blue/green	No Asbestos Detected	
25570.005-0009	Brick/Mortar		Hunter gym; south side wall, red	brick with gray mortar	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 01	loose granular powder, gray	No Asbestos Detected	
		Layer 02	loose granular powder, red	No Asbestos Detected	
25570.005-0010	Mortar		Hunter gym; north side, betweer gray mortar	n glass window blocks,	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	loose granular powder,	No Asbestos Detected	
25570.005-0011	Caulk (01)		Hunter gym; around perimeter o white/gray, hard caulking	f window blocks,	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	compact flexible material, gray with coating, off-white/gray	4% Chrysotile	
25570.005-0012	Insulation		Hunter gym; around perimeter o perimeter caulk, brown fibrous h	f window blocks, behind air-like insulating rope	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	loose fibrous material, brown	No Asbestos Detected	
25570.005-0013	Caulk (01)		around perimeter of window blo hard caulking	cks, northwest side, gray,	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	compact fibrous material, gray	4% Chrysotile	



<u>Code</u>	<u>Material</u>		<u>Location</u>	<u>Results</u>	<u>Lab</u>
25570.005-0014	Caulk (02)		Hunter gym; exterior north side exit door, around door frame, gray door frame caulk		Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	compact flexible material, gray	2% Chrysotile	
25570.005-0015	Vinyl Floor Tile/Ma	astic (01)	Divine hall; mechanical/boiler room entry, on concrete, 12" by 12" brown mustard, speckled vinyl floor tile with black mastic		Lab Cor
		Layer:	Description:	Analysis:	
		Layer 01	hard vinyl, off-white/tan	<1% Chrysotile	
		Layer 02	mastic, black	3% Chrysotile	
25570.005-0016	Covebase/Mastic	(02)	Divine hall; mechanical room, 4" brown covebase with brown mastic		Lab Cor
		Layer:	Description:	Analysis:	
		Layer 01	rubbery material, brown	No Asbestos Detected	
		Layer 02	mastic, brown	No Asbestos Detected	
25570.005-0017	Gypsum Wallboard/Joint Compound		Divine hall; mechanical room, white wallboard with white compound		Lab Cor
		Layer:	Description:	Analysis:	
		Layer 01	hard compact powder, white with paint, gray	<1% Chrysotile	
		Layer 02	compact chalky material with paper, white	No Asbestos Detected	
25570.005-0018	Covebase/Mastic	(03)	Divine hall; corridor south of gym, 4" black covebase with yellow mastic		Lab Cor
		Layer:	Description:	Analysis:	
		Layer 01	rubbery material, black	No Asbestos Detected	
		Layer 02	mastic, off-white/yellow	No Asbestos Detected	
25570.005-0019	Mastic (01)		Divine hall; corridor south of gym, under carpet on vinyl floor tile, brown/gray carpet mastic		Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	mastic material, gray/tan	No Asbestos Detected	
25570.005-0020	Poured Flooring ((	)2)	Divine hall; north girls restroom, poured flooring	on concrete, yellow sandy	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	hard compact material, off- white/red	No Asbestos Detected	



<u>Code</u>	<u>Material</u>		<u>Location</u>	<u>Results</u>	<u>Lab</u>
25570.005-0021	Vinyl Floor Tile/Mastic (01)		Divine hall; outside north restrooms, under carpet squares on concrete, 12" by 12" brown mustard, speckled vinyl floor tile with black mastic		
		Layer:	Description:	Analysis:	
		Layer 01	mastic, tan/clear	No Asbestos Detected	
		Layer 02	vinyl, tan	No Asbestos Detected	
		Layer 03	mastic, black	2% Chrysotile	
25570.005-0022	Lay-in Ceiling Tile	(01)	Divine hall; outside north restroc and pinhole lay-in ceiling tiles	oms, 2' by 4' white fissured	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 01	coating, white	No Asbestos Detected	
		Layer 02	fibrous material, tan/gray	No Asbestos Detected	
25570.005-0023	Glued-on Ceiling T	Tiles (01)	Divine hall; north boys restroom, on gypsum ceiling, 12" by 12" white fissured glued-on ceiling tile with brown glue dot		Lab Cor
		Layer:	Description:	Analysis:	
		Layer 01	compact fibrous powder, tan	No Asbestos Detected	
		Layer 02	loose mastic, brown/black	No Asbestos Detected	
25570.005-0024	Mudded Joint Fitti	ings	Divine hall; north boys restroom, above ceiling on piping, white, hard mudded fitting		Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	compact powdery material, gray	No Asbestos Detected	
25570.005-0025	Sink Undercoating	ı (01)	Divine hall; room 313, on stainle: undercoating	ss sink, black sink	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	loose particulate, black/brown	2% Chrysotile	
25570.005-0026	Mastic (02)		Divine hall; room 314, under carı yellow carpet mastic	pet squares, on concrete,	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	loose mastic, tan	No Asbestos Detected	



<u>Code</u>	<u>Material</u>		Location	<u>Results</u>	<u>Lab</u>
25570.005-0027	Vinyl Floor Tile/Mastic		Divine hall; open room, south of restrooms, under carpet squares on concrete, 12" by 12" beige speckled floor tile with vellow mastic on leveling compound		
		Layer:	Description:	Analysis:	
		Layer 01	vinyl, tan/off-white	No Asbestos Detected	
		Layer 02	mastic with powder, tan/off- white/gray	No Asbestos Detected	
25570.005-0028	Sealant		Divine hall; room 313, north wind metal frame, black window putty	low between glass and	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	soft rubbery material, black	3% Chrysotile	
25570.005-0029	Caulk (03)		Divine hall; room 313, around no frame, black/dark brown, rubbery	rth perimeter window / window caulk	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	soft rubbery material, dark gray	No Asbestos Detected	
25570.005-0030	Covebase/Mastic (04)		Divine hall; men's staff restroom, north wall, 6" dark brown covebase with brown mastic		Lab Cor
		Layer:	Description:	Analysis:	
		Layer 01	rubbery material, brown	No Asbestos Detected	
		Layer 02	mastic, brown	No Asbestos Detected	
25570.005-0031	Vinyl Floor Tile/Ma	astic (01)	Divine hall; office, supply room 320 C, on concrete, 12" by 12" brown mustard vinyl floor tile with black mastic		
		Layer:	Description:	Analysis:	
		Layer 01	mastic, orange/clear	No Asbestos Detected	
		Layer 02	vinyl, tan/brown	No Asbestos Detected	
		Layer 03	mastic, black	4% Chrysotile	
25570.005-0032	Mastic (02)		Divine hall; office, under carpet so yellow carpet mastic	quares, on concrete,	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	loose mastic, tan/orange	No Asbestos Detected	
25570.005-0033	Gypsum Wallboar Compound	d/Joint	Divine hall; outside office door, white/pink wallboard with white compound		Lab Cor
		Layer:	Description:	Analysis:	
		Layer 01	fine compact powder, white	No Asbestos Detected	
		Layer 02	compact chalky material with paper, off-white	No Asbestos Detected	



<u>Code</u>	<u>Material</u>		<u>Location</u>	<u>Results</u>	<u>Lab</u>
25570.005-0034	Sink Undercoating	<b>j</b> (02)	Divine hall; room 319, on stainless steel, white sink undercoating		Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	loose particulate, off-white	No Asbestos Detected	
25570.005-0035	Vinyl Floor Tile/Ma	astic (01)	Divine hall; east entry, under carp 12" brown/mustard vinyl floor til	pet, on concrete, 12" by e with black mastic	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 01	mastic, orange/clear	No Asbestos Detected	
		Layer 02	vinyl, tan	No Asbestos Detected	
		Layer 03	mastic, black	4% Chrysotile	
25570.005-0036	Sink Undercoating	<b>y</b> (01)	Divine hall; library workroom, on undercoating	stainless steel, black sink	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	loose particulate, black/brown	2% Chrysotile	
25570.005-0037	Lay-in Ceiling Tile (01)		Divine hall; librarian office, 12' by pinhole lay-in ceiling tile	v 4' white fissured and	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 01	coating, white	No Asbestos Detected	
		Layer 02	compressed fibrous material, tan/gray	No Asbestos Detected	
25570.005-0038	Brick and Mortar		Divine hall; library south exit doo gray mortar	or, interior, red brick and	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 01	granular compact powder, red	No Asbestos Detected	
		Layer 02	granular compact powder, gray	No Asbestos Detected	
25570.005-0039	Caulk (04)		Divine hall; south side exit door, door frame, dark brown, soft cau	interior around metal Ilking	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	soft rubbery material, black/dark brown	No Asbestos Detected	
25570.005-0040	Mudded Joint Fitti	ings	Divine hall; outside office 320A, a pipe at elbow, white mudded ha	above drop ceiling, on rd fitting	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	loose fibrous powder, off-white	No Asbestos Detected	



<u>Code</u>	<u>Material</u>		<u>Location</u>	<u>Results</u>	<u>Lab</u>
25570.005-0041	Material Debris		Divine hall; outside office 320A, on top of ceiling tiles, miscellaneous debris		Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	loose fibers with particulate, gray/off-white	4% Chrysotile	
25570.005-0042	Glued-on Ceiling <sup>-</sup>	Files	Divine hall; southeast entry corric 12" white fissured glued-on ceilir dot	lor, on gypsum, 12" by ng tile with brown glue	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 01	coating, off-white/tan	No Asbestos Detected	
		Layer 02	compact fibrous material, tan/gray	No Asbestos Detected	
		Layer 03	mastic, brown	No Asbestos Detected	
25570.005-0043	Gypsum Wallboard/Joint Compound		Divine hall; outside room 300, white wallboard with white compound		Lab Cor
		Layer:	Description:	Analysis:	
		Layer 01	loose particulate, white	<1% Chrysotile	
		Layer 02	compact chalky material with paper, white	No Asbestos Detected	
25570.005-0044	Skimcoat		Divine hall; southeast entrance, exterior on covered walkway, white, sandy texture		Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	loose particulate, gray/black	No Asbestos Detected	
25570.005-0045	Covebase/Mastic	(03)	Divine hall; room 300, 4" black covebase with yellow mastic and residual brown mastic		Lab Cor
		Layer:	Description:	Analysis:	
		Layer 01	rubbery material, black	No Asbestos Detected	
		Layer 02	loose mastic material, off- white/brown	No Asbestos Detected	
25570.005-0046	Sealant		Divine hall; room 300, around window bottom panel & frame, black, sticky, window putty		Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	soft rubbery material, black	4% Chrysotile	
25570.005-0047	Mastic (03)		Divine hall; southeast equipment concrete, black mastic	storage room, on	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	loose particulate, black	3% Chrysotile	



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<u>Code</u>	<u>Material</u>		<u>Location</u>	<u>Results</u>	<u>Lab</u>
25570.005-0048	Mastic (04)		Divine hall; outside room 302, behind metal lay-in ceiling		Lab Cor
			tile grid on wall, yellow mastic		
		Layer:	Description:	Analysis:	
		Layer 1	loose particulate, tan	No Asbestos Detected	
25570.005-0049	Таре		Divine hall; outside custodian roo behind corkboard yellow tape wi	om in south hallway th white mastic	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	loose flexible material, white/yellow	No Asbestos Detected	
25570.005-0050	Sink Undercoating	ı (01)	Divine hall; room 303, on stainles undercoating	ss sink, black sink	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	loose particulate, brown/black	3% Chrysotile	
25570.005-0051	Mudded Joint Fitt	ings	Divine hall; outside room 302, or white, mudded hard fitting	pipe at T-intersection,	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	loose fibers with powder, off- white/gray	No Asbestos Detected	
25570.005-0052	Mechanical Isolati	on Cloth	Divine hall; outside room 302, between HVAC ducting, black, fibrous, mechanical isolation cloth		Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	thin flexible material, black	No Asbestos Detected	
25570.005-0053	Caulk (03)		Divine hall; courtyard, exterior of perimeter door frame, black/dark	science lab, around brown, rubbery caulking	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	soft rubbery material, gray	No Asbestos Detected	
25570.005-0054	Skimcoat		Divine hall; courtyard, exterior ou soffit, white, sandy texture	utside science lab, on	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	loose particulate, gray	No Asbestos Detected	
25570.005-0055	Mudded Joint Fitt	ings	Divine hall; hallway outside room on pipe, large elbow, grayish/wh	n 306, above drop ceiling, ite hard fitting	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	loose fibrous powder, gray	No Asbestos Detected	



<u>Code</u>	<u>Material</u>		Location	<u>Results</u>	<u>Lab</u>
25570.005-0056	Mudded Joint Fittings		Divine hall; hallway outside room on pipe, small elbow, grayish/wh	1306, above drop ceiling, ite hard fitting	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	loose fibers with powder, off- white/gray	No Asbestos Detected	
25570.005-0057	Material Debris		Divine hall; hallway outside room on tiles, miscellaneous debris	306, above drop ceiling,	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	loose fibrous powder, off- white/brown	No Asbestos Detected	
25570.005-0058	Gypsum Wallboar Compound	d/Joint	Divine hall; south hallway, west end, whitish/pink wallboard with white compound		Lab Cor
		Layer:	Description:	Analysis:	
		Layer 01	fine compact powder, off-white	2% Chrysotile	
		Layer 02	compact chalky material with paper, off-white	No Asbestos Detected	
	Comments: G	iravimetric R	eduction and Point Count (400) %	Asbestos: 0.07	
25570.005-0059	Mastic (05)		Divine hall; southwest entrance, under carpet, on concrete, gray & yellow carpet mastic		Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	soft mastic material, gray/tan	No Asbestos Detected	
25570.005-0060	Mastic (06)		Divine hall; science lab, under large black countertops, black, hard mastic		Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	hard compact material, black	2% Chrysotile	
	Comments: G	iravimetric R	eduction and Point Count (400) %	Asbestos: 11.93	
25570.005-0061	Mastic (07)		Divine hall; science lab, under lar caramel, hard mastic	ge black countertops,	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	mastic, tan	No Asbestos Detected	
25570.005-0062	Lab Counter Top		Divine hall; science lab, black lab	countertop	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	hard compact material, black/white	No Asbestos Detected	



<u>Code</u>	<u>Material</u>		<u>Location</u>	<u>Results</u>	<u>Lab</u>
25570.005-0063	Lab Counter Top		Divine hall; science lab, black lab	counter top	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	hard compact powder, black/gray	No Asbestos Detected	
25570.005-0064	Mastic (06)		Divine hall; science lab, under lar black, hard mastic	ge black countertops,	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	hard compact material, black	<1% Chrysotile	
25570.005-0065	Glued-on Ceiling	Tiles	Divine hall; science lab, 12" by 12 on ceiling tile with brown glue do	2", white fissured glued- ot	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 01	coating, white	No Asbestos Detected	
		Layer 02	compressed fibers, gray	No Asbestos Detected	
		Layer 03	mastic, brown	No Asbestos Detected	
		Layer 04	compact chalky material with paper, white	No Asbestos Detected	
25570.005-0066	Mastic (08)		Divine hall; west corridor, behind fireproofing on wall, residual brown, brittle covebase mastic		Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	mastic, brown	No Asbestos Detected	
25570.005-0067	Vinyl Floor Tile/Ma	astic (03)	Divine hall; room 307A, on concrete, 12" by 12" white streaked vinyl floor tile with yellow mastic		Lab Cor
		Layer:	Description:	Analysis:	
		Layer 01	mastic, clear	No Asbestos Detected	
		Layer 02	hard vinyl, off-white	No Asbestos Detected	
		Layer 03	mastic, clear yellow	No Asbestos Detected	
25570.005-0068	Mudded Joint Fitt	ings	Divine hall; west hallway, outside ceiling, grayish/white mudded ha	room 307C, above drop ard fitting	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 01	woven fibers, white	No Asbestos Detected	
		Layer 02	fibrous powder, gray	No Asbestos Detected	
25570.005-0069	Material Debris		Divine hall; west hallway, outside in ceiling tile, miscellaneous deb	room 307C, on top of lay- ris	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 01	paint, white	No Asbestos Detected	
		Layer 02	fibrous material, off-white	No Asbestos Detected	



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<u>Code</u>	<u>Material</u>		<u>Location</u>	<u>Results</u>	<u>Lab</u>
25570.005-0070	Lay-in Ceiling Tile (01)		Divine hall; west hallway, 2' by 4' pinhole lay-in ceiling tile	white fissured and	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 01	coating, white	No Asbestos Detected	
		Layer 02	compressed fibers, gray	No Asbestos Detected	
25570.005-0071	Gypsum Wallboa Compound	rd/Joint	Divine hall; west hallway, above o decking/white wallboard with wh	drop ceiling, nite compound	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 01	fine compact powder, off-white	<1% Chrysotile	
		Layer 02	fine compact powder, off- white with paper	2% Chrysotile	
		Layer 03	compact chalky material with paper, white	No Asbestos Detected	
	Comments:	Gravimetric R	eduction and Point Count (400) %	Asbestos: 0.37	
25570.005-0072	Concrete		Divine hall; room 307C, under carpet, white painted, concrete		Lab Cor
		Layer:	Description:	Analysis:	
		Layer 01	paint, white	No Asbestos Detected	
		Layer 02	granular compact powder, gray	No Asbestos Detected	
25570.005-0073	Vinyl Floor Tile/N	lastic (02)	Divine hall; room 307D, under carpet, on concrete, 12" by 12" beige speckled vinyl floor tile with yellow mastic		
		Layer:	Description:	Analysis:	
		Layer 01	hard vinyl, off-white	No Asbestos Detected	
		Layer 02	mastic, yellow with coating, gray	No Asbestos Detected	
25570.005-0074	Mudded Joint Fittings		Divine hall; west hallway, above of elbow, grayish/white mudded ha	drop ceiling, on pipe large ırd fitting	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 01	woven fibers, white	No Asbestos Detected	
		Layer 02	fibrous powder, off-white	No Asbestos Detected	
25570.005-0075	Mastic (09)		Divine hall; west hallway, outside corkboard, white, hard mastic	custodian office, behind	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	loose vinyl material, white	No Asbestos Detected	



<u>Code</u>	<u>Material</u>		<u>Location</u>	<u>Results</u>	<u>Lab</u>		
25570.005-0076	Mastic (10)		Divine hall; custodian office, between wood panels at mop La sink, dark yellow, hard mastic				
		Layer:	Description:	Analysis:			
		Layer 1	thick mastic material, tan	No Asbestos Detected			
25570.005-0077	Caulk (4)		Hunter Gym; exterior, E side, aro window blocks and brick, gray, ro	und perimeter between ubbery caulking	Lab Cor		
		Layer:	Description:	Analysis:			
		Layer 01	granular compact powder, gray	No Asbestos Detected			
		Layer 02	rubbery material, gray	No Asbestos Detected			
25570.005-0078	Caulk (4)		Hunter Gym; exterior, east side, r perimeter between window block caulking with brown horse hair n	north end, around ks and brick, gray, rubbery naterial	Lab Cor		
		Layer:	Description:	Analysis:			
		Layer 01	rubbery material, gray	No Asbestos Detected			
		Layer 02	fibrous material, brown	No Asbestos Detected			
25570.005-0079	Caulk (5)		Hunter Gym; exterior, south side, around perimeter of large sandy panels, black, flexible caulking		Lab Cor		
		Layer:	Description:	Analysis:			
		Layer 1	rubbery material, black	No Asbestos Detected			
25570.005-0080	Silicone		Hunter Gym; exterior, south side, window blocks , clear, silicone ca backing	, around perimeter ulking with fibrous	Lab Cor		
		Layer:	Description:	Analysis:			
		Layer 1	compact flexible material, clear with fibrous material, white	No Asbestos Detected			
25570.005-0081	Textured Wall Mat	erial	Hunter Gym; exterior, south side texture, painted white	on paneling, white sandy	Lab Cor		
		Layer:	Description:	Analysis:			
		Layer 1	loose granular powder, white	No Asbestos Detected			
25570.005-0082	Caulk (6)		Hunter Gym; exterior, around ver windows, gray, flexible caulking	nt above SE block	Lab Cor		
		Layer:	Description:	Analysis:			
		Layer 1	rubbery material, gray	No Asbestos Detected			



<u>Code</u>	<u>Material</u>		<u>Location</u>	<u>Results</u>	<u>Lab</u>
25570.005-0083	Caulk (7)		Divine Hall; Roof, on HVAC unit,	gray, rubbery caulking	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	rubbery material, gray	No Asbestos Detected	
25570.005-0084	Caulk (8)		Divine Hall; Roof, brick parapet v and brick, white, flexible caulking	vall, between TPO roofing	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	rubbery material, white	No Asbestos Detected	
25570.005-0085	Mudded Joint Fitt	ings	Divine Hall; hallway outside wom drop ceiling, on fiberglass pipe, v	nen's staff restroom, above white mudded hard fitting	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	fibrous powder, gray	No Asbestos Detected	
25570.005-0086	Mudded Joint Fitt	ings	Divine Hall; hallway outside library, above drop ceiling, on fiberglass pipe, small elbow, white mudded hard fitting		Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	fibrous powder, gray	No Asbestos Detected	
25570.005-0087	Mudded Joint Fitt	ings	Divine Hall; hallway outside libra fiberglass pipe, small T joint, whi	ry, above drop ceiling, on te mudded hard fitting	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	fibrous powder, gray	No Asbestos Detected	
25570.005-0088	Soil	Layer:	Hunter Gym; north side of crawls <b>Description:</b>	space, dirt with debris <b>Analysis:</b>	Lab Cor
		Layer 1	loose rocky powder, brown/gray	No Asbestos Detected	
25570.005-0089	Soil		Hunter Gym; east side of crawlsp dirt with debris	oace, under black plastic,	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	loose rocky powder, brown/gray	No Asbestos Detected	
25570.005-0090	Soil	L	Hunter Gym; south side of crawl	space, dirt with debris	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	loose rocky powder, brown	No Asbestos Detected	



<u>Code</u>	<u>Material</u>		Location	<u>Results</u>	<u>Lab</u>
25570.005-0091	Built-up Roofing		Divine hall; roof, south side, middle of field, white tpo, with white fibrous den's deck, brown vapor barrier, yellow iso- board, brown vapor barrier with tar		Lab Cor
		Layer:	Description:	Analysis:	
		Layer 01	woven fibers, white with flexible material, white/black	No Asbestos Detected	
		Layer 02	compact chalky material with fibrous material, white	No Asbestos Detected	
		Layer 03	woven fibers, white with flexible material, white/blue	No Asbestos Detected	
		Layer 04	fibrous material, white	No Asbestos Detected	
		Layer 05	foam material, yellow with fibrous material, black	No Asbestos Detected	
		Layer 06	fibrous tar, black	No Asbestos Detected	
25570.005-0092	Built-up Roofing		Divine hall; roof, east side, raised roof section, north see sample -0091		Lab Cor
		Layer:	Description:	Analysis:	
		Layer 01	woven fibers, white with flexible material, white/black	No Asbestos Detected	
		Layer 02	compact chalky material with fibrous material, white	No Asbestos Detected	
		Layer 03	woven fibers, off-white with flexible material, white/blue	No Asbestos Detected	
		Layer 04	foam material, yellow with fibrous backing, black	No Asbestos Detected	
25570.005-0093	Built-up Roofing		Divine hall; roof, east side, main i	roof, see sample -0091	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 01	woven fibers, white with flexible material, white/black	No Asbestos Detected	
		Layer 02	compact chalky material with fibrous material, white	No Asbestos Detected	
		Layer 03	woven fibers, off-white with flexible material, off-white/blue	No Asbestos Detected	
		Layer 04	foam material, yellow with fibrous backing, black	No Asbestos Detected	
		Layer 05	fibrous tar, black with wood fibers	No Asbestos Detected	

<u>Code</u>	<u>Material</u>		Location	<u>Results</u>	<u>Lab</u>
25570.005-0094	Built-up Roofing		Divine hall; covered walkway, noi 0091	rtheast side, see sample -	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 01	woven fibers, white with flexible material, white/black	No Asbestos Detected	
		Layer 02	foam material, yellow with mastic, clear	No Asbestos Detected	
		Layer 03	fibrous material, white	No Asbestos Detected	
		Layer 04	foam material, yellow with fibrous backing, black/gray	No Asbestos Detected	
25570.005-0095	Built-up Roofing		Divine hall, north side, middle of	field, see sample -0091	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 01	woven fibers, white with flexible material, white/black	No Asbestos Detected	
		Layer 02	compact chalky material with fibrous material, white	No Asbestos Detected	
		Layer 03	woven fibers, off-white with flexible material, white/blue	No Asbestos Detected	
		Layer 04	foam material, yellow with fibrous backing, black	No Asbestos Detected	
		Layer 05	fibrous material, off-white	No Asbestos Detected	
		Layer 06	fibrous material, brown	No Asbestos Detected	
		Layer 07	fibrous tar, black	No Asbestos Detected	
25570.005-0096	Built-up Roofing		Divine hall; west side, near west e	edge, see sample -0091	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 01	rubbery material, off- white/black, with woven fibers, clear	No Asbestos Detected	
		Layer 02	woven fibrous material, gray	No Asbestos Detected	
		Layer 03	compact chalky material, white, with fibers, white	No Asbestos Detected	
		Layer 04	rubbery material, blue/gray, with woven fibers, clear	No Asbestos Detected	
		Layer 05	fibrous material, black	No Asbestos Detected	
		Layer 06	foam, off-white/tan	No Asbestos Detected	
		Layer 07	fibrous material, black	No Asbestos Detected	
		Layer 08	fibrous material, white	No Asbestos Detected	
		Layer 09	thick fibrous tar, black/brown, with tar, black	No Asbestos Detected	

<u>Code</u>	<u>Material</u>		<u>Location</u>	<u>Results</u>	<u>Lab</u>
25570.005-0097	Built-up Roofing		Divine hall; west side, courtyard parapet wall, behind tpo, black, tar		Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	loose particulate, black, with wood fibers, tan	No Asbestos Detected	
25570.005-0098	Caulk		Divine hall; covered walkway, no flashing & brick, gray, rubbery, c	rtheast side, between aulking	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	loose rubbery material, gray	No Asbestos Detected	
25570.005-0099	Built-up Roofing		Hunter gym; northwest corner, s	ee sample -0091	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 01	rubbery material, off- white/black, with woven fibers, clear	No Asbestos Detected	
		Layer 02	chalky material, white, with fibrous coating, white	No Asbestos Detected	
		Layer 03	rubbery material, blue/tan, with woven fibers, tan	No Asbestos Detected	
		Layer 04	fibrous material, black	No Asbestos Detected	
		Layer 05	foam, off-white/tan	No Asbestos Detected	
		Layer 06	fibrous material, black	No Asbestos Detected	
25570.005-0100 Mastic			Hunter gym; southeast side at p yellow mastic	arapet wall, tpo with	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 01	woven fibers, white with flexible material, white/black	No Asbestos Detected	
		Layer 02	mastic, yellow	No Asbestos Detected	



<u>Code</u>	<u>Material</u>		<u>Location</u>	<u>Results</u>	<u>Lab</u>	
25570.005-0101	Built-up Roofing		Hunter gym; lower roof, east side middle of field, see sample -0091		Lab Cor	
		Layer:	Description:	Analysis:		
		Layer 01	rubbery material, off- white/gray, with woven fibers, clear	No Asbestos Detected		
		Layer 02	chalky material, white, with fibrous coating, white	No Asbestos Detected		
		Layer 03	fibrous material, off-white	No Asbestos Detected		
		Layer 04	rubbery material, off- white/blue, with woven fibers, tan	No Asbestos Detected		
		Layer 05	fibrous material, black	No Asbestos Detected		
		Layer 06	foam, off-white/tan	No Asbestos Detected		
		Layer 07	fibrous material, black	No Asbestos Detected		
		Layer 08	fibrous material, black/brown	No Asbestos Detected		
25570.005-0102	Gym Floor		Hunter gym; southeast corner, v asphaltic vapor barrier, wood su	vood gym floor, brown bfloor	Lab Cor	
		Layer:	Description:	Analysis:		
		Layer 01	compact powdery material, tan/brown	No Asbestos Detected		
		Layer 02	fibrous tar, black/brown	No Asbestos Detected		
		Layer 03	wood, tan	No Asbestos Detected		
25570.005-0103	Asphalt Impregna	ted Paper	Hunter gym; southeast corner, under top layer of gym floor, brown asphaltic vapor barrier		Lab Cor	
		Layer:	Description:	Analysis:		
		Layer 1	fibrous tar, black	No Asbestos Detected		



### LEAD SAMPLE INVENTORY

<u>Code</u>	<u>Material</u>	<u>Analysis</u>	Location	<u>Lab</u>
PAINT				
LB25570.005-1001	Paint	140 ppm	Hunter gym; east wall, wood, green, intact condtion	R.J. Lee Group
LB25570.005-1002	Paint	12.4 ppm	Custodian closet; north side, wall, gypsum, eggshell, damaged condition	R.J. Lee Group
LB25570.005-1003	Paint	185 ppm	Couryard; rain spout, west side, spout, metal, burnt sienna, damaged condition	R.J. Lee Group
LB25570.005-1004	Paint	28,900 ppm	Courtyard; vertical soffit panel, west side, metal, dark gray, damaged condition	R.J. Lee Group
LB25570.005-1005	Paint	1,330 ppm	Divine Hall; roof on mushrrom vent, metal, silver, damaged	R.J. Lee Group
LB25570.005-1006	Paint	131 ppm	Divine hall; roof, on HVAC unit, south side, HVAC unit, metal, brown, damaged	R.J. Lee Group
LB25570.005-1007	Paint	43,800 ppm	Hunter gym; lower roof, on mushroom vent, metal, silver, damaged	R.J. Lee Group





# Bulk Sample Inventory of PCB Caulk Washington Center for Deaf and Hard of Hearing Youth *Hunter Gym and Divine Hall*

PBS Project 25570.005, Phase 0001

Sample #	Location	Component	Results
PCB-001	Hunter Gym, North Side	Gray Interior Perimeter Window Caulking	<u>Aroclor 1254 – 6.5</u> Total PCBs = 6.5
PCB-002	Hunter Gym, North Side	Gray Exterior Perimeter Door Frame Caulking	<u>Aroclor 1254 – 460</u> Total PCBs = 460
PCB-003	Divine Hall, Room 313	Dark Brown Interior Window Frame Caulking	ND
PCB-004	Hunter Gym, East Side	Gray Exterior Perimeter Window Caulking	Aroclor 1254 – 8,100 <u>Aroclor 1260 – 2,200</u> Total PCBs = 10,300
PCB-005	Hunter Gym, North Side, Adjacent to Perimeter Door Frame Caulking	Red Brick, Gray Mortar	<u>Aroclor 1254 – 2.0</u> Total PCBs = 2
PCB-006	Hunter Gym, North Side, 8 cm to Perimeter Door Frame Caulking	Red Brick, Gray Mortar	ND
PCB-007	Hunter Gym, South Side	Black Exterior Perimeter Panel Caulking	<u>Aroclor 1254 – 1.3</u> Total PCBs = 1.3
PCB-008	Hunter Gym, South Side	Gray Exterior Perimeter Exhaust Vent Caulking	Aroclor 1254 – 1,600 <u>Aroclor 1260 – 560</u> Total PCBs = 2,160
PCB-009	Hunter Gym, East Side, Adjacent to Perimeter Window Caulking	Red Brick, Gray Mortar	Aroclor 1254 – 850 <u>Aroclor 1260 – 320</u> Total PCBs = 1,170
PCB-010	Hunter Gym, East Side, 8 cm to Perimeter Window Caulking	Red Brick, Gray Mortar	Aroclor 1254 – 12 <u>Aroclor 1260 – 6.2</u> Total PCBs = 18.2

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

LabCor Portland Lab/Cor Portland, Inc. 4321 South Corbett Ave., Ste A Portland, OR 97239

# **PLM - Visual Estimate Extended Final Report**

Job Number: 221525

Inc

Report Number: 221525R01 Report Date: 5/23/2022

**Client: PBS Engineering and Environmental** Address: 4412 S Corbett Avenue Portland, OR 97239 Project Name: Project No.: 25570.005 Phase 0001 PO Number: Sub Project:

**Reference No.:** 

Enclosed please find results for samples submitted to our laboratory. A list of samples and analyses follows:

Lab/Cor Sample	# Client Sample # and Description	Analysis	Analysis Notes	Date Received:
221525 - S1	25570.005-0077 -	PLM - Visual Estimate Extended		5/19/2022
221525 - S2	25570.005-0078 -	PLM - Visual Estimate Extended		5/19/2022
221525 - S3	25570.005-0079 -	PLM - Visual Estimate Extended		5/19/2022
221525 - S4	25570.005-0080 -	PLM - Visual Estimate Extended		5/19/2022
221525 - S5	25570.005-0081 -	PLM - Visual Estimate Extended		5/19/2022
221525 - S6	25570.005-0082 -	PLM - Visual Estimate Extended		5/19/2022
221525 - S7	25570.005-0083 -	PLM - Visual Estimate Extended		5/19/2022
221525 - S8	25570.005-0084 -	PLM - Visual Estimate Extended		5/19/2022
221525 - S9	25570.005-0085 -	PLM - Visual Estimate Extended		5/19/2022
221525 - S10	25570.005-0086 -	PLM - Visual Estimate Extended		5/19/2022
221525 - S11	25570.005-0087 -	PLM - Visual Estimate Extended		5/19/2022
221525 - S12	25570.005-0088 -	PLM - Visual Estimate Extended		5/19/2022
221525 - S13	25570.005-0089 -	PLM - Visual Estimate Extended		5/19/2022
221525 - S14	25570.005-0090 -	PLM - Visual Estimate Extended		5/19/2022



LabCor Portland Inc Lab/Cor Portland, Inc. 4321 South Corbett Ave., Ste A Portland, OR 97239

## PLM - Visual Estimate Extended Final Report

#### Job Number: 221525

Proi

#### Report Number: 221525R01 Report Date: 5/23/2022

C	lient: PBS Engineering	g and Environmental
ect N	lame:	

PLM - Visual The submitted sample(s) were analyzed according to the EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Estimate Extended Building Materials and EPA - 40CFR App. E to Subpart E of Part 763. The sample(s) were analyzed with a digital microscope in order to determine homogeneity, the presence of fibers, and make a preliminary estimate of any asbestos fibers present in the sample. The sample(s), and any observed layers, were then homogenized through techniques appropriate to that material and prepared for analysis by polarized light microscopy (PLM).

Three slide mount preparations were made from random subsamples of the homogenized material. This material was then mounted in the suitable refractive index liquid needed to perform a full optical characterization of the observed fibers. When necessary, dilute HCI, instead of RI liquids, were used to remove cementitious binders to facilitate analysis. The entirety of the slide mount preparations were then analyzed by PLM. Any observed fibers were reported and their optical characteristics recorded according to the EPA 600-R-93-116 method.

**Disclaimer** This report, and the data contained therein, cannot be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the U.S. Government. The results found in this report are based only on the submitted sample(s). LabCor has no control over sampling procedures. This report is only valid when signed by an analyst.

NAD is No Asbestos Detected. Asbestos consists of the six following minerals: chrysotile, amosite, crocidolite, anthophyllite, actinolite, and tremolite.

Additional gravimetric, point-count or TEM analysis may be recommended for samples testing at < or = 1% asbestos, or those with material binders that prevent the detection of small diameter fibers.

The following estimate of error for this method by visual estimation of asbestos percent are as follows: 1% asbestos: >0-3% error, 5% asbestos: 1-9% error, 10% asbestos: 5-15% error, 20% asbestos: 10-30% error.

Sincerely,

Min Gaines **Mia Gaines** 

Analyst



LabCor Lab/Cor Portland, Inc.					Phone: (503) 224-5055 www.labcorpdx.com		
Portland, OR 97239	E A	BULK SAMF	PLE ASBEST	OS ANAI	LYSIS		
Client: PBS Engineering and Environr 4412 S Corbett Avenue Portland, OR 97239	nental				Repc R	ort Number: 2 eport Date: 0	221525R01 05/23/2022
Job Number: 221525 Project Name: Project Number: 25570.005 Phase 0 Project Notes:	0001					P.O. No: 1	n/a
Client Sample ID: 25570.005-0077 Client Sample Description: Asbestos Mineral Fibers Layer Percent:	Chrysotile	Sample ID:	S1		Date Analyzed: Analyst:	05/23/2022 Mia Gaines	Percent Ashestos
Layer 01 granular compact 5 % powder, gray	-	-	-				NAD
rubbery material, gray 95 % <u>Other Fibers</u> Fibrous Glass Cellulo	- Mineral ose Wool	- Synthetic	-	Other			NAD Matrix
Layer 01 Layer 02 - 1 %	-	-		-	-		100 % 99 %
Client Sample ID:25570.005-0078Client Sample Description:Asbestos Mineral FibersLayerPercent:	Chrysotile	Sample ID: Amosite	S2 Crocidolite		Date Analyzed: Analyst:	05/23/2022 Mia Gaines	Percent Asbestos:
Layer 01 rubbery material, gray 90 % Layer 02	-	-	-				NAD
tibrous material, brown     10 %       Other Fibers     Fibrous       Glass     Cellulo       Lever 01     1 %	- Mineral Dse Wool	- Synthetic	-	Other			NAD
Layer 02 - 90 %	- -	-		-	-		99 % 10 %
Client Sample ID:         25570.005-0079           Client Sample Description:         Asbestos Mineral Fibers         Layer           Percent:         Example Description:         Layer	Chrysotile	Sample ID: Amosite	S3 Crocidolite		Date Analyzed: Analyst:	05/23/2022 Mia Gaines	Percent Asbestos:
Homogeneousrubbery material, black100 %Other FibersFibrousGlassCellulo	- Mineral ose Wool	- Synthetic	-	Other			<b>NAD</b> Matrix
- 1 %		3 % Sample ID:	S4	-	- Date Analyzed:	05/23/2022	96 %
Client Sample Description: Asbestos Mineral Fibers Percent:	Chrysotile	Amosite	Crocidolite		Analyst:	Mia Gaines	Percent Asbestos:
Homogeneous compact flexible 100 % material, clear with fibrous material, white	-	-	-				NAD
Other Fibers         Fibrous           Glass         Cellulo           20 %         -	Mineral ose Wool -	Synthetic		Other -	-		Matrix 80 %

Page 3 of 6



Phone: (503) 224-5055
LabCor Portland Inc 4321 South Corbett Ave., Ste A	BULK	SAMPLE AS	ANALYSIS	Phone: (503) 224-5055 www.labcorpdx.com		
Portland, OR 97239	Asbes	tos and Envir	onmental .	Analysis		
Client: PBS Engineering and Environmental 4412 S Corbett Avenue Portland, OR 97239				Repo F	ort Number: 2 Report Date: (	221525R01 05/23/2022
Job Number: 221525 Project Name: Project Number: 25570.005 Phase 0001 Project Notes:					P.O. No: 1	n/a
Client Sample ID:       25570.005-0081         Client Sample Description:       Asbestos Mineral Fibers         Asbestos Mineral Fibers       Layer         Percent:       Chrysotile	Sample ID: Amosite	S5 Crocidolite		Date Analyzed: Analyst:	05/23/2022 Mia Gaines	Percent Asbestos:
Homogeneous loose granular powder, 100 % - white	-	-				NAD
Other Fibers         Fibrous         Mineral           Glass         Cellulose         Wool	Synthetic -		Other -	-		Matrix 100 %
Client Sample ID:       25570.005-0082         Client Sample Description:       Asbestos Mineral Fibers         Asbestos Mineral Fibers       Layer         Percent:       Chrysotile	Sample ID:	S6 Crocidolite		Date Analyzed: Analyst:	05/23/2022 Mia Gaines	Percent Asbestos:
Homogeneous     100 %       rubbery material, gray     100 %       Other Fibers     Fibrous       Glass     Cellulose	- Synthetic -	-	Other	-		NAD Matrix 100 %
Client Sample ID:       25570.005-0083         Client Sample Description:       Asbestos Mineral Fibers         Asbestos Mineral Fibers       Layer         Percent:       Chrysotile         Homogeneous       Chrysotile	Sample ID: Amosite	S7 Crocidolite		Date Analyzed: Analyst:	05/23/2022 Mia Gaines	Percent Asbestos:
rubbery material, gray 100 % - <u>Other Fibers</u> Fibrous Mineral Glass Cellulose Wool	- Synthetic -	-	Other -	-		NAD Matrix 100 %
Client Sample ID: 25570.005-0084 Client Sample Description: Asbestos Mineral Fibers Percent: Chrysotile	Sample ID: Amosite	S8 Crocidolite		Date Analyzed: Analyst:	05/23/2022 Mia Gaines	Percent Asbestos:
rubbery material, white 100 % - <u>Other Fibers</u> Fibrous Mineral Glass Cellulose Wool	- Synthetic -	-	Other -	-		NAD Matrix 100 %



LabCor Portland Inc 4321 South Corbett Ave., Ste A	C. BULK	BULK SAMPLE ASBESTOS ANALYSIS				Phone: (503) 224-5055 www.labcorpdx.com		
Portland, OR 97239	Asbes	stos and Envir	onmental	Analysis				
Client: PBS Engineering and Environmental 4412 S Corbett Avenue Portland, OR 97239				Rep F	ort Number: Report Date:	221525R01 05/23/2022		
Job Number: 221525 Project Name: Project Number: 25570.005 Phase 0001 Project Notes:					P.O. No:	n/a		
Client Sample ID:       25570.005-0085         Client Sample Description:       Asbestos Mineral Fibers         Asbestos Mineral Fibers       Layer         Percent:       Chrysoti	Sample ID:	S9 Crocidolite		Date Analyzed: Analyst:	05/23/2022 Mia Gaines	Percent Asbestos:		
fibrous powder, gray 100 % -	-	-				NAD		
Glass Cellulose Woo 5 % 2 % 10 %	Synthetic		Other -	-		Matrix 83 %		
Client Sample ID:       25570.005-0086         Client Sample Description:	Sample ID:	S10 Crocidolite		Date Analyzed: Analyst:	05/23/2022 Mia Gaines	Percent Asbestos:		
Homogeneous fibrous powder, gray 100 % -	-	-				NAD		
Other Fibers         Fibrous         Miner           Glass         Cellulose         Woo           5 %         2 %         10 %	al I Synthetic 6 -		Other -	-		Matrix 83 %		
Client Sample ID: 25570.005-0087 Client Sample Description: Asbestos Mineral Fibers Percent: Chrysoti	Sample ID:	S11 Crocidolite		Date Analyzed: Analyst:	05/23/2022 Mia Gaines	Percent Asbestos:		
Homogeneous fibrous powder, gray 100 % -	-	-				NAD		
Other Fibers         Fibrous         Miner           Glass         Cellulose         Woo           5 %         1 %         8 %	al I Synthetic		Other -	-		Matrix 86 %		
Client Sample ID: 25570.005-0088 Client Sample Description:	Sample ID:	S12		Date Analyzed: Analyst:	05/23/2022 Mia Gaines	Demont		
Aspestos Mineral Fibers Layer Percent: Chrysotil Homogeneous	e Amosite	Crocidolite				Asbestos:		
loose rocky powder, 100 % - brown/gray	-	-				NAD		
Other Fibers         Fibrous         Miner           Glass         Cellulose         Woo           -         1 %         -	al I Synthetic -		Other -	-		Matrix 99 %		



LabCor Portlan Inc	4321 South Corbett Ave., Ste A Portland, OR 97239			d, Inc	. BULK	SAMPLE AS	BESTOS	ANALYSIS	Phone: (503) 224-5055 www.labcorpdx.com		
	Portlar	nd, OR 9723	9		Asbes	tos and Envir	onmental A	Analysis			
Client:	PBS Engin 4412 S Co Portland, 0	neering and orbett Avenu OR 97239	Environmer e	ntal				Rep	oort Number: ; Report Date:	221525R01 05/23/2022	
Job I Projec Project N Projec	Number: ct Name: lumber: ct Notes:	<b>221525</b> 25570.005	Phase 000	1					P.O. No:	n/a	
<u>Client Sa</u> Client Sa <u>Asbesto</u>	ample ID: ample Des os Mineral	25570.005 scription: <u>Fibers</u>	5 <b>-0089</b> Layer Percent: C	Chrvsotile	Sample ID:	S13 Crocidolite		Date Analyzed: Analyst:	05/23/2022 Mia Gaines	Percent Asbestos:	
Homoge loose browr	e <b>neous</b> e rocky pov n/gray	vder,	100 %	-	-	-				NAD	
<u>Other Fi</u>	ibers	Fibrous Glass -	Cellulose Trace	Mineral Wool -	Synthetic -		Other -	-		Matrix 100 %	
Client Sa Client Sa	ample ID: ample Des	25570.005 scription: Eibers	5-0090		Sample ID:	S14		Date Analyzed: Analyst:	05/23/2022 Mia Gaines	Percent	
Homoge		TIDEIS	Percent: C	Chrysotile	Amosite	Crocidolite				Asbestos:	
loose browi	e rocky pov n	vder,	100 %	-	-	-				NAD	
<u>Other Fi</u>	ibers	Fibrous Glass -	Cellulose 2 %	Mineral Wool -	Synthetic -		Other -	-		Matrix 98 %	

This laboratory participates in the National Voluntary Laboratory Accreditation Program (NVLAP). Testing method is per EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials and EPA - 40CFR App. E to Subpart E of Part 763, PLM. This report and the data contained therein cannot be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the U.S. Government.

• "NAD" is No Asbestos Detected.

· Asbestos consists of the following minerals: chrysotile, amosite, crocidolite, tremolite, actinolite, anthophyllite.

• Material binders, such as those found in vinyl floor tiles, may prevent the detection of small diameter asbestos fibers. A gravimetric preparation and point-count is recommended for such samples.

• Quantitative analysis by PLM point count or TEM may be recommended for samples testing at < or = to 1% asbestos.

• The following estimate of error for this method by visual estimation of asbestos percent are as follows:

1% asbestos: >0-3% error, 5% asbestos: 1-9% error, 10% asbestos: 5-15% error, 20% asbestos: 10-30% error.

• This report pertains only to the samples listed on the report. Report considered valid only when signed by analyst.

Reviewed by:

Min Gaines

Mia Gaines Analyst

# TRANSMITTAL AND CHAIN OF CUSTODY FOR ASBESTOS BULK SAMPLES

Phase 0001 Project No.: 25570.005

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.

## RECEIVER SENDER 5/19/21 Date Received: May 17, 2022 Date Sent: Company: Lab Cor PBS Engineering and Environmental Inc. 4321 S Corbett Ave Ste A Address: Portland, OR 97239 Portland, OR 97239 503-224-5055 503.248.1939, Fax: 866.727.0140 6 Ant Name Name 5.17.22 9:30 **Authorized Signature** Time Date Authorized Signature Receiver's ID No. **Brief Description** Sender's ID No. 25570.005-0077 25570.005-0078 25570.005-0079 25570.005-0080 25570.005-0081 25570.005-0082 25570.005-0083 25570.005-0084 25570.005-0085 25570.005-0086 25570.005-0087 25570.005-0088 25570.005-0089 25570.005-0090 4 Sandes PBS Engineering and Environmental Inc. Page 1

May 17, 2022

221222

4412 S Corbett Avenue



# TRANSMITTAL AND CHAIN OF CUSTODY FOR ASBESTOS BULK SAMPLES

Please analyze the enclosed 14 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.

72 Hour

Please fax and mail the results to the above address.

TURNAROUND DESIRED:

2.1525

SPECIAL INSTRUCTIONS: EMAIL LESVITS TO	LIEX. JEHN SONCE PPSUSA. CO.6.)	
• • •		.

LabCor Lab/Cor Portland, Inc. 4321 South Corbett Ave., Ste A Portland, OR 97239

# PLM - Visual Estimate Extended Final Report

Job Number: 221615

Sub Project: Reference No.:

Inc

Report Number: 221615R01 Report Date: 6/1/2022

**Client: PBS Engineering and Environmental** Address: 4412 S Corbett Avenue Portland, OR 97239 Project Name: Project No.: 25570.005 Phase 0001 PO Number:

Enclosed please find results for samples submitted to our laboratory. A list of samples and analyses follows:

Lab/Cor Sample #	Client Sample # and Description	Analysis	Analysis Notes	Date Received:
221615 - S1	25570.005-0091 -	PLM - Visual Estimate Extended		5/26/2022
221615 - S2	25570.005-0092 -	PLM - Visual Estimate Extended		5/26/2022
221615 - S3	25570.005-0093 -	PLM - Visual Estimate Extended		5/26/2022
221615 - S4	25570.005-0094 -	PLM - Visual Estimate Extended		5/26/2022
221615 - S5	25570.005-0095 -	PLM - Visual Estimate Extended		5/26/2022
221615 - S6	25570.005-0096 -	PLM - Visual Estimate Extended		5/26/2022
221615 - S7	25570.005-0097 -	PLM - Visual Estimate Extended		5/26/2022
221615 - S8	25570.005-0098 -	PLM - Visual Estimate Extended		5/26/2022
221615 - S9	25570.005-0099 -	PLM - Visual Estimate Extended		5/26/2022
221615 - S10	25570.005-0100 -	PLM - Visual Estimate Extended		5/26/2022
221615 - S11	25570.005-0101 -	PLM - Visual Estimate Extended		5/26/2022



LabCor Portland Inc Lab/Cor Portland, Inc. 4321 South Corbett Ave., Ste A Portland, OR 97239

## PLM - Visual Estimate Extended Final Report

#### Job Number: 221615

## Report Number: 221615R01 Report Date: 6/1/2022

### Client: PBS Engineering and Environmental Project Name:

PLM - Visual The submitted sample(s) were analyzed according to the EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Estimate Extended Building Materials and EPA - 40CFR App. E to Subpart E of Part 763. The sample(s) were analyzed with a digital microscope in order to determine homogeneity, the presence of fibers, and make a preliminary estimate of any asbestos fibers present in the sample. The sample(s), and any observed layers, were then homogenized through techniques appropriate to that material and prepared for analysis by polarized light microscopy (PLM).

Three slide mount preparations were made from random subsamples of the homogenized material. This material was then mounted in the suitable refractive index liquid needed to perform a full optical characterization of the observed fibers. When necessary, dilute HCl, instead of RI liquids, were used to remove cementitious binders to facilitate analysis. The entirety of the slide mount preparations were then analyzed by PLM. Any observed fibers were reported and their optical characteristics recorded according to the EPA 600-R-93-116 method.

**Disclaimer** This report, and the data contained therein, cannot be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the U.S. Government. The results found in this report are based only on the submitted sample(s). LabCor has no control over sampling procedures. This report is only valid when signed by an analyst.

NAD is No Asbestos Detected. Asbestos consists of the six following minerals: chrysotile, amosite, crocidolite, anthophyllite, actinolite, and tremolite.

Additional gravimetric, point-count or TEM analysis may be recommended for samples testing at < or = 1% asbestos, or those with material binders that prevent the detection of small diameter fibers.

The following estimate of error for this method by visual estimation of asbestos percent are as follows: 1% asbestos: >0-3% error, 5% asbestos: 1-9% error, 10% asbestos: 5-15% error, 20% asbestos: 10-30% error.

Sincerely,

Tim Cammann

Senior Analyst



LabCor Portland 4321 Sou	Cor Po	ortlan t Ave., Ste	<b>d, Inc</b> .					Phone: (50 www.labcor	3) 224-5055 pdx.com
Portland,	OR 9723	9	В	ULK SAMF	LE ASBEST	OS ANAL	YSIS		
Client: PBS Enginee 4412 S Corbo Portland, OR	ering and l ett Avenue 97239	Environmer e	ntal				Repo F	ort Number: Report Date:	221615R01 06/01/2022
Job Number: 2 Project Name: Project Number: 2 Project Notes:	<b>21615</b> 5570.005	Phase 000	1					P.O. No:	n/a
Client Sample ID: 2 Client Sample Descri Asbestos Mineral Fit	25570.005 iption: <u>bers</u>	5 <b>-0091</b> Layer Percent: 0	Chrysotile	Sample ID: Amosite	S1 Crocidolite		Date Analyzed: Analyst:	05/31/2022 Mia Gaines	Percent Asbestos:
Layer 01 woven fibers, white flexible material, white/black	e with	6%	-	-	-				NAD
Layer 02 compact chalky ma with fibrous materi white	aterial al,	20%	-	-	-				NAD
Layer 03 woven fibers, white flexible material, white/blue	e with	6%	-	-	-				NAD
<b>Layer 04</b> fibrous material, w	hite	3%	-	-	-				NAD
Layer 05 foam material, yell with fibrous materi black	ow al,	60%	-	-	-				NAD
Layer 06 fibrous tar, black		5%	-	-	-				NAD
<u>Other Fibers</u>	Fibrous Glass	; Cellulose	Mineral Wool	Synthetic		Other			Matrix
Layer 01	-	-	-	30 %		-	-		70 %
Layer 02	4 %	-	-	-		-	-		96 %
Layer 03	-	-	-	40 %		-	-		60 %
Layer 04	100 %	-	-	-		-	-		0 %
Layer 05	-	40 %	-	-		-	-		60 %
Laver 06	-	60 %	-	5 %		-	-		35 %

LabCo Portia	or Lab/	Cor Po	<b>ortlar</b> t Ave., Ste	n <b>d, Inc</b> .	BULK	SAMPLE AS	BESTOS	ANALYSIS	Phone: (503 www.labcorp	) 224-5055 dx.com
INC	Portland	d, OR 9723	9		Asbesi	tos and Envir	onmental	Analysis		
<u>Client:</u>	PBS Engine 4412 S Cor Portland, O	eering and I rbett Avenue 0R 97239	Environm <sup>.</sup> e	ental				Rep	ort Number: 2 Report Date: (	221615R01 06/01/2022
Job Broid	Number:	221615							<b>P.O. No:</b> r	n/a
Project   Proje	Number: ect Notes:	25570.005	Phase 00	001						
Client S	Sample ID: Sample Desc	25570.005	-0092		Sample ID:	S2		Date Analyzed: Analyst:	05/31/2022 Mia Gaines	
<u>Asbest</u>	tos Mineral F	Fibers	Layer Percent:	Chrysotile	Amosite	Crocidolite		, <b>, .</b>		Percent Asbestos:
Layer 0	01									
wov flexi whit	ren fibers, wh ible material, te/black	ite with	6%	-	-	-				NAD
Layer 0	)2									
com with whit	npact chalky i i fibrous mate te	material erial,	30%	-	-	-				NAD
Layer 0	)3									
wov with whit	ren fibers, off i flexible mate te/blue	-white erial,	4%	-	-	-				NAD
Layer 0	)4									
foar with blac	m material, ye i fibrous back ж	ellow ting,	60%	-	-	-				NAD
<u>Other F</u>	Fibers	Fibrous Glass	Cellulos	Mineral se Wool	Synthetic		Other			Matrix

<u>Outer Hibers</u>	Glass	Cellulose	Wool	Synthetic	Other		Matrix
Layer 01	-	-	-	30 %	-	-	70 %
Layer 02	6 %	-	-	-	-	-	94 %
Layer 03	-	-	-	40 %	-	-	60 %
Layer 04	2 %	30 %	-	-	-	-	68 %

LabCo Portla	<b>Lab/Cor Portland, Inc</b> 4321 South Corbett Ave., Ste A Portland, OR 97239					SAMPLE AS	BESTOS A	ANALYSIS	Phone: (503) 224-5055 www.labcorpdx.com		
Inc	Portland	d, OR 9723	9	577	Asbes	tos and Envir	conmental A	<b>Inalysis</b>			
Client:	PBS Engin 4412 S Co Portland, C	eering and I rbett Avenue DR 97239	Environm e	ental				Rep I	ort Number: 2 Report Date: 0	221615R01 06/01/2022	
Job	Number:	221615							<b>P.O. No:</b> r	n/a	
Proje	ct Name:										
Project N Proje	Number: ct Notes:	25570.005	Phase 00	01							
<u>Client S</u> Client S	ample ID: ample Dese	25570.005 cription:	-0093		Sample ID:	S3		Date Analyzed: Analyst:	05/31/2022 Mia Gaines		
<u>Asbeste</u>	os Mineral I	Fibers F	Layer Percent:	Chrysotile	Amosite	Crocidolite				Percent Asbestos:	
Layer 0	1										
wove flexit white	en fibers, wh ble material, e/black	nite with	5%	-	-	-				NAD	
Layer 0	2										
com with white	pact chalky fibrous mate e	material erial,	40%	-	-	-				NAD	
Layer 0	3										
wove with white	en fibers, off flexible mate e/blue	f-white erial, off-	5%	-	-	-				NAD	
Layer 0	4										
foarr with blacł	n material, y fibrous back k	ellow king,	40%	-	-	-				NAD	
Layer 0	5										
fibro wood	us tar, black d fibers	c with	10%	-	-	-				NAD	
<u>Other F</u>	ibers	Fibrous Glass	Cellulos	Mineral se Wool	Synthetic		Other			Matrix	
Layer 0	1	-	-	-	30 %		-	-		70 %	
Layer 0	2	6 %	-	-	-		-	-		94 %	

-

-

-

-

40 %

-

\_

-

-

-

-

20 %

30 %

-

-

-

Layer 03

Layer 04

Layer 05



60 %

80 %

70 %

LabCo Portia		Cor	Portlai	n <b>d, Inc</b>	. BULK	SAMPLE ASB	ESTOS ANALYSIS	Phone: (503) 224-5055 www.labcorpdx.com		
INC	Portlan	nd, OR 97	239		Asbes	tos and Environ	mental Analysis			
<u>Client:</u>	PBS Engi 4412 S Co Portland, 0	neering ar orbett Ave OR 97239	nd Environm nue 9	nental			Re	port Number: 22 Report Date: 06	1615R01 /01/2022	
Job Proje	Number: ect Name:	221615						<b>P.O. No:</b> n/a	l	
Project I Proje	Number: ect Notes:	25570.00	05 Phase 00	001						
Client S	Sample ID:	25570.0	005-0094		Sample ID:	S4	Date Analyzed:	05/31/2022		
Client S	Sample Des	cription:					Analyst:	Mia Gaines		
<u>Asbest</u>	os Mineral	Fibers	Layer Percent:	Chrysotile	Amosite	Crocidolite			Percent Asbestos:	
Layer 0	)1									
wov flexi whit	en fibers, w ble material e/black	hite with ,	7%	-	-	-			NAD	
Layer 0	2									
foar with	n material, y mastic, cle	yellow ar	25%	-	-	-			NAD	
Layer 0	3									
fibro	ous material	, white	3%	-	-	-			NAD	
Layer 0	4									
foar	n material, y	yellow	65%	-	-	-			NAD	

Other

-

-

-

\_

-

\_

with fibrous backing,

Fibrous

-

-

80 %

2 %

Glass Cellulose

-

-

-

30 %

Mineral

Wool

-

-

-

\_

Synthetic

30 %

-

-

\_

black/gray Other Fibers

Layer 01

Layer 02

Layer 03

Layer 04

Matrix

70 %

100 %

20 %

68 %

Phone: (503) 224-5055 www.labcorpdx.com

Asbestos and Environmental Analysis

Client: PBS Engineering and Environmental 4412 S Corbett Avenue Portland, OR 97239

Portland, OR 97239

Inc

Report Number: 221615R01 Report Date: 06/01/2022

P.O. No: n/a

Project Name: Project Number: 25570.005 Phase 0001 **Project Notes:** 

Job Number: 221615

Client Sample ID: 2	5570.005	-0095		Sample ID:	S5		Date Analyzed:	05/31/2022	
Client Sample Descri	ption:						Analyst:	Mia Gaines	
Asbestos Mineral Fib	ers F	Layer Percent:	Chrysotile	Amosite	Crocidolite				Percent Asbestos:
Layer 01									
woven fibers, white flexible material, white/black	with	6%	-	-	-				NAD
Layer 02									
compact chalky ma with fibrous materia white	aterial al,	20%	-	-	-				NAD
Layer 03									
woven fibers, off-wi with flexible materia white/blue	hite al,	4%	-	-	-				NAD
Layer 04									
foam material, yello with fibrous backing black	ow g,	60%	-	-	-				NAD
Layer 05									
fibrous material, off	f-white	2%	-	-	-				NAD
Layer 06									
fibrous material, bro	own	2%	-	-	-				NAD
Layer 07									
fibrous tar, black		6%	-	-	-				NAD
Other Fibers	Fibrous		Mineral						
	Glass	Cellulos	e Wool	Synthetic		Other		r	Matrix
Layer 01	-	-	-	30 %		-	-		70 %
Layer 02	4 %	-	-	-		-	-		96 %
Layer 03	-	-	-	40 %		-	-		60 %
Layer 04	2 %	30 %	-	-		-	-		68 %
Layer 05	100 %	-	-	-		-	-		0 %
Layer 06	-	30 %	-	-		-	-		70 %
Layer 07	-	20 %	-	-		-	-		80 %

Phone: (503) 224-5055 www.labcorpdx.com

Asbestos and Environmental Analysis

PBS Engineering and Environmental Client: 4412 S Corbett Avenue Portland, OR 97239

Portland, OR 97239

Inc

Report Number: 221615R01 Report Date: 06/01/2022

P.O. No: n/a

Project Name: Project Number: 25570.005 Phase 0001 **Project Notes:** 

20 %

50 %

-

-

-20 % -

Layer 07

Layer 08

Layer 09

Job Number: 221615

Client Sample ID:	25570.005	5-0096		Sample ID:	S6		Date Analyzed:	06/01/2022	
Client Sample Desc	ription:			•			Analyst:	Tim Cammann	
Asbestos Mineral F	ibers	Layer					-		Percent
		Percent:	Chrysotile	Amosite	Crocidolite				Asbestos:
Layer 01									
rubbery material, white/black, with fibers, clear	off- woven	5%	-	-	-				NAD
Layer 02									
woven fibrous ma gray	aterial,	5%	-	-	-				NAD
Layer 03									
compact chalky material, white, v fibers, white	vith	5%	-	-	-				NAD
Layer 04									
rubbery material, blue/gray, with w fibers, clear	oven	5%	-	-	-				NAD
Layer 05									
fibrous material,	black	5%	-	-	-				NAD
Layer 06									
foam, off-white/ta	an	60%	-	-	-				NAD
Layer 07									
fibrous material,	black	5%	-	-	-				NAD
Layer 08									
fibrous material,	white	5%	-	-	-				NAD
Layer 09									
thick fibrous tar, black/brown, with black	n tar,	5%	-	-	-				NAD
Other Fibers	Fibrous Glass	s Cellulos	Mineral se Wool	Synthetic		Other		Ma	trix
Layer 01	10 %	-	-	-		-	-	9	0 %
Layer 02	30 %	-	-	-		-	-	7	0 %
Layer 03	8 %	5 %	-	-		-	-	8	7 %
Layer 04	15 %	10 %	-	-		-	-	7	5 %
Layer 05	10 %	45 %	-	-		-	-	4	5 %
Layer 06	-	-	-	-		-	-	10	0 %

80 %

50 %

80 %

LabCo Portla	abCor Fortland A321 South Corbett Ave., Ste A Portland, OR 97230			BULK SAMPLE ASBESTOS ANALYSIS				Phone: (503) 224-5055 www.labcorpdx.com		
	Portlar	nd, OR 97239		Asbes	tos and Envir	onmental	Analysis			
<u>Client:</u>	PBS Engin 4412 S Co Portland, 0	neering and Environme orbett Avenue OR 97239	ntal				Rep	oort Number: 2210 Report Date: 06/0	615R01 1/2022	
Job	Number:	221615						<b>P.O. No:</b> n/a		
Proje Project N Proje	ct Name: lumber: ct Notes:	25570.005 Phase 000	)1							
Client S	ample ID:	25570.005-0097		Sample ID:	S7		Date Analyzed:	06/01/2022		
Client S <u>Asbesto</u>	ample Des os Mineral	scription: Fibers Layer Percent:	Chrysotile	Amosite	Crocidolite		Analyst:	Tim Cammann	Percent Asbestos:	
Homog loose with	eneous e particulate wood fibers	e, black, 100 % s, tan	-	-	-				NAD	
<u>Other F</u>	<u>ibers</u>	Fibrous Glass Cellulose - 5 %	Mineral e Wool -	Synthetic -		Other -	-	Ma 9	trix 5 %	
Client S Client S	ample ID: ample Des	25570.005-0098 scription:		Sample ID:	S8		Date Analyzed: Analyst:	06/01/2022 Tim Cammann		
<u>Asbesto</u>	os Mineral	Fibers Layer Percent:	Chrysotile	Amosite	Crocidolite				Percent Asbestos:	
Homog loose gray	<b>eneous</b> e rubbery n	naterial, 100%	-	-	-				NAD	
<u>Other F</u>	<u>ibers</u>	Fibrous Glass Cellulose	Mineral e Wool -	Synthetic -		Other -	-	Ma 1(	trix D0 %	



Phone: (503) 224-5055 www.labcorpdx.com

Asbestos and Environmental Analysis

Client: PBS Engineering and Environmental 4412 S Corbett Avenue Portland, OR 97239

Portland, OR 97239

Inc

Report Number: 221615R01 Report Date: 06/01/2022

P.O. No: n/a

Project Name: Project Number: 25570.005 Phase 0001 **Project Notes:** 

Job Number: 221615

Client Sample ID:	25570.005	5-0099		Sample ID:	S9		Date Analyzed:	06/01/2022	
<b>Client Sample Desci</b>	ription:						Analyst:	Tim Camma	nn
Asbestos Mineral Fi	ibers	Layer	Chrysotile	Amosito	Crocidolito				Percent
Lover 01		l croont.	omyootilo	Amosile	Crocidonite				ASDESIUS.
rubbery material, white/black, with v fibers, clear	off- woven	10%	-	-	-				NAD
Layer 02									
chalky material, w with fibrous coatir white	/hite, ng,	30%	-	-	-				NAD
Layer 03									
rubbery material, blue/tan, with wow fibers, tan	ven	10%	-	-	-				NAD
Layer 04									
fibrous material, b	olack	10%	-	-	-				NAD
Layer 05									
foam, off-white/ta	n	30%	-	-	-				NAD
Layer 06									
fibrous material, b	olack	10%	-	-	-				NAD
Other Fibers	Fibrous	;	Mineral						
	Glass	Cellulose	e Wool	Synthetic		Other			Matrix
Layer 01	15 %	-	-	-		-	-		85 %
Layer 02	20 %	-	-	-		-	-		80 %
Layer 03	-	20 %	-	-		-	-		80 %
Layer 04	15 %	15 %	-	-		-	-		70 %
Layer 05	-	-	-	-		-	-		100 %
Layer 06	15 %	15 %	-	-		-	-		70 %
Client Sample ID:	25570.005	5-0100		Sample ID:	S10		Date Analyzed:	05/31/2022 Mia Gaines	
Asbestos Mineral Fi	ibers	Layer Percent: (	Chrysotile	Amosite	Crocidolite		Analyst.		Percent Asbestos:
Laver 01			-						
woven fibers, whit flexible material, white/black	te with	97%	-	-	-				NAD
Layer 02									
mastic, yellow		3%	-	-	-				NAD
Other Fibers	Fibrous Glass	; Cellulose	Mineral Wool	Synthetic		Other			Matrix
Layer 01	-	-	-	30 %		-	-		70 %
Layer 02	-	Trace	-	Trace		-	-		100 %



Phone: (503) 224-5055 www.labcorpdx.com

Asbestos and Environmental Analysis

Client: PBS Engineering and Environmental 4412 S Corbett Avenue Portland, OR 97239

Portland, OR 97239

Inc

Report Number: 221615R01 Report Date: 06/01/2022

P.O. No: n/a

Project Name: Project Number: 25570.005 Phase 0001 **Project Notes:** 

Job Number: 221615

Client Sample ID:	25570.005	5-0101		Sample ID:	S11		Date Analyzed:	06/01/2022	
Client Sample Descr	ription:			-			Analyst:	Tim Cammann	
Asbestos Mineral Fi	ibers	Layer					-		Percent
		Percent:	Chrysotile	Amosite	Crocidolite				Asbestos:
Layer 01									
rubbery material, white/gray, with w fibers, clear	off- oven	10%	-	-	-				NAD
Layer 02									
chalky material, w with fibrous coatin white	/hite, ng,	20%	-	-	-				NAD
Layer 03									
fibrous material, o	off-white	10%	-	-	-				NAD
Layer 04									
rubbery material, white/blue, with w fibers, tan	off- oven	10%	-	-	-				NAD
Layer 05									
fibrous material, b	olack	10%	-	-	-				NAD
Layer 06									
foam, off-white/tai	n	20%	-	-	-				NAD
Layer 07									
fibrous material, b	olack	10%	-	-	-				NAD
Layer 08									
fibrous material, black/brown		10%	-	-	-				NAD
Other Fibers	Fibrous	6	Mineral						
	Glass	Cellulos	se Wool	Synthetic		Other		Ma	trix
Layer 01	15 %	-	-	-		-	-	8	5 %
Layer 02	15 %	-	-	-		-	-	8	5 %
Layer 03	50 %	-	-	-		-	-	5	0 %
Layer 04	-	30 %	-	-		-	-	7	0 %
Layer 05	15 %	5 %	-	-		-	-	8	0 %
Layer 06	-	-	-	-		-	-	10	0 %
Layer 07	-	60 %	-	-		-	-	4	0 %
Layer 08	-	80 %	-	-		-	-	2	0 %

Lab/Cor Portland, Inc.

4321 South Corbett Ave., Ste A

Asbestos and Environmental Analysis

<u>Client:</u> PBS Engineering and Environmental 4412 S Corbett Avenue Portland, OR 97239

Portland, OR 97239

LabCor

Inc

Portland

## Job Number: 221615 Project Name: Project Number: 25570.005 Phase 0001 Project Notes:

Report Number: 221615R01 Report Date: 06/01/2022

P.O. No: n/a

This laboratory participates in the National Voluntary Laboratory Accreditation Program (NVLAP). Testing method is per EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials and EPA - 40CFR App. E to Subpart E of Part 763, PLM. This report and the data contained therein cannot be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the U.S. Government.

• "NAD" is No Asbestos Detected.

· Asbestos consists of the following minerals: chrysotile, amosite, crocidolite, tremolite, actinolite, anthophyllite.

• Material binders, such as those found in vinyl floor tiles, may prevent the detection of small diameter asbestos fibers. A gravimetric preparation and point-count is recommended for such samples.

• Quantitative analysis by PLM point count or TEM may be recommended for samples testing at < or = to 1% asbestos.

• The following estimate of error for this method by visual estimation of asbestos percent are as follows:

1% asbestos: >0-3% error, 5% asbestos: 1-9% error, 10% asbestos: 5-15% error, 20% asbestos: 10-30% error.

• This report pertains only to the samples listed on the report. Report considered valid only when signed by analyst.

#### Reviewed by:

		Notal Sta	tor Lab				
		to Us	e One Digital				
	Use Only	kgtal Sig					
	Signature to	Lab 1	On Digiti				
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Tim Cammanna Sector to Us Originate Sector for Use Originate Sector for



# 221615 X

# TRANSMITTAL AND CHAIN OF CUSTODY FOR ASBESTOS BULK SAMPLES

25570.005 Project No.:

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

May 26, 2022 Date Sent:

PBS Engineering and Environmental Inc.

4412 S Corbett Avenue Portland, OR 97239

503.248.1939, Fax: 866.727.0140

Landon Keenan

Name

zèd Signature

5 26 22 8:30 Time Date

Sender's ID No.	Brief Description
25570.005-0091	·
25570.005-0092	
25570.005-0093	<u> </u>
25570.005-0094	
25570.005-0095	
25570.005-0096	
25570.005-0097	
25570.005-0098	
25570.005-0099	
25570.005-0100	
25570.005-0101	

RECEIVER

Date Received: 5/26/22

Lab Cor Company:

Address:

4321 S Corbett Ave Ste A Portland, OR 97239

503-224-5055 4NK ONAHUÉ Name

**Receiver's ID No.** 

tecker 8:30

Authorized Signature

Date





# TRANSMITTAL AND CHAIN OF CUSTODY FOR ASBESTOS BULK SAMPLES

Please analyze the enclosed 11 notification if samples will be di	sample(s) for asbestos isposed.	content using PLM	with dispersion staining.	PBS requests prior
Request verbai results by.	PA(VI/ F IVI	Date.		
Please fax and mail the results t	to the above address.			
TURNAROUND DESIRED:	12 Hour			
	<u> </u>			
SPECIAL INSTRUCTIONS:				
				JL
· · · · · · · · · · · · · · · · ·			<u> </u>	,,,

LabCor Lab/Cor Portland, Inc. Portland 4321 South Corbett Ave., Ste A Portland, OR 97239

Inc

Report Date: 6/9/2022

## PLM - Visual Estimate Extended Final Report

Job Number: 221752 Report Number: 221752R01 **Client: PBS Engineering and Environmental** Address: 4412 S Corbett Avenue Portland, OR 97239 **Project Name:** Project No.: 25570.005 Phase 0001 **PO Number:** Sub Project: Reference No.:

Enclosed please find results for samples submitted to our laboratory. A list of samples and analyses follows:

Lab/Cor Sample 221752 - S1	# Client Sample # and Description 25570.005-0102 -	Analysis PLM - Visual Estimate Extended	Analysis Notes	Date Received: 6/8/2022
221752 - S2	25570.005-0103 -	PLM - Visual Estimate Extended		6/8/2022

PLM - Visual The submitted sample(s) were analyzed according to the EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Estimate Extended Building Materials and EPA - 40CFR App. E to Subpart E of Part 763. The sample(s) were analyzed with a digital microscope in order to determine homogeneity, the presence of fibers, and make a preliminary estimate of any asbestos fibers present in the sample. The sample(s), and any observed layers, were then homogenized through techniques appropriate to that material and prepared for analysis by polarized light microscopy (PLM).

> Three slide mount preparations were made from random subsamples of the homogenized material. This material was then mounted in the suitable refractive index liquid needed to perform a full optical characterization of the observed fibers. When necessary, dilute HCI, instead of RI liquids, were used to remove cementitious binders to facilitate analysis. The entirety of the slide mount preparations were then analyzed by PLM. Any observed fibers were reported and their optical characteristics recorded according to the EPA 600-R-93-116 method.

Disclaimer This report, and the data contained therein, cannot be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the U.S. Government. The results found in this report are based only on the submitted sample(s). LabCor has no control over sampling procedures. This report is only valid when signed by an analyst.

NAD is No Asbestos Detected. Asbestos consists of the six following minerals: chrysotile, amosite, crocidolite, anthophyllite, actinolite, and tremolite.

Additional gravimetric, point-count or TEM analysis may be recommended for samples testing at < or = 1% asbestos, or those with material binders that prevent the detection of small diameter fibers.

The following estimate of error for this method by visual estimation of asbestos percent are as follows: 1% asbestos: >0-3% error, 5% asbestos: 1-9% error, 10% asbestos: 5-15% error, 20% asbestos: 10-30% error.

Sincerely,

Tim Cammann Senior Analyst



LabCor Portland Inc	Cor Po	o <b>rtlan</b> : Ave., Ste	d, Inc		Phone: (503) 224-5055 www.labcorpdx.com					
Portland,	OR 9723	9	E	BULK SAMI	PLE ASBEST	OS ANAL	YSIS			
Client: PBS Engine 4412 S Cort Portland, OF	ering and E bett Avenue R 97239	Environme e	ntal				Report Number: 221752R01 Report Date: 06/09/2022			
Job Number: 2	221752							<b>P.O. No:</b> n/a	1	
Project Name:										
Project Number: 2 Project Notes:	25570.005	Phase 000	)1							
Client Sample ID:	25570.005	-0102		Sample ID:	S1		Date Analyzed:	06/09/2022		
Client Sample Desci	ription:						Analyst:	Tim Cammanr	ı	
<u>Asbestos Mineral Fi</u>	i <u>bers</u> F	Layer Percent:	Chrysotile	Amosite	Crocidolite				Percent Asbestos:	
Layer 01										
compact powdery material, tan/brow	'n	55 %	-	-	-				NAD	
Layer 02										
fibrous tar, black/l	brown	15 %	-	-	-				NAD	
Layer 03										
wood, tan		30 %	-	-	-				NAD	
<u>Other Fibers</u>	Fibrous Glass	Cellulose	Mineral e Wool	Synthetic		Other		Ν	<i>l</i> atrix	
Layer 01	-	5 %	-	-		-	-		95 %	
Layer 02	10 %	65 %	-	-		-	-		25 %	
Layer 03	-	100 %	-	-		-	-		0 %	
Client Sample ID:	25570.005	-0103		Sample ID:	S2		Date Analyzed:	06/09/2022		
Client Sample Desci	ription:						Analyst:	Tim Cammanr	ı	
Asbestos Mineral Fi	i <u>bers</u> F	Layer Percent:	Chrysotile	Amosite	Crocidolite				Percent Asbestos:	
Homogeneous										
fibrous tar, black		100 %	-	-	-				NAD	
Other Fibers	Fibrous Glass	Cellulose	Mineral e Wool	Synthetic		Other		N	<i>l</i> atrix	
	-	80 %	-	-		-	-	I.	20 %	



Phone: (503) 224-5055

Lab/Cor Portland, Inc.

4321 South Corbett Ave., Ste A

Asbestos and Environmental Analysis

<u>Client:</u> PBS Engineering and Environmental 4412 S Corbett Avenue Portland, OR 97239

Portland, OR 97239

LabCor

Inc

Portland

Job Number: 221752 Project Name: Project Number: 25570.005 Phase 0001 Project Notes: Report Number: 221752R01 Report Date: 06/09/2022

P.O. No: n/a

This laboratory participates in the National Voluntary Laboratory Accreditation Program (NVLAP). Testing method is per EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials and EPA - 40CFR App. E to Subpart E of Part 763, PLM. This report and the data contained therein cannot be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the U.S. Government.

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• This report pertains only to the samples listed on the report. Report considered valid only when signed by analyst.

#### Reviewed by:

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	Signature		101	Dight				
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	Signature	The	IL	Oigtol	Salato			
X Lob	Use / fily	Digiol	1	lor LC	Use Only Digital			
Digital	Syland	or ind	for One	Ugiy	Signature for Loo	Use Only Digital	Signature for Lab	

Tim Cammanna Use Only Dead Senate for Les Use Only Dead Senior Analyst



		<b>P</b>	BS	221	752	<b>`</b>
	25570.005	Phase 0001			AF 223	
Project No.: Individuals signu original. The Red immediately to S	ng this form warrant ceiver should comple Sender.	t that the information provided is a the the form, keep a copy and retur	correct and comple in the original to t	ete. The Sender show he Sender. Receiver	ıld keep a copy shall report da	r and send the Image of packag
SENDER			RECEIVER	1	1	
Date Sent:	June 08, 2022		Date Recei	ved: <u>6/8</u> /	26	
PBS Engineer	ing and Environ	mental Inc.	Company:	Lab Cor		
4412 S Corbe	tt Avenue		Address:	4321 S Corbett	: Ave Ste A	
Portland, OR	97239			Portland, OR	7239	
503.248.1939 Alex S	), Fax: 866.727.01	140	Mank	503-224- <del>5055</del>	4.6	
Name Authorized Si	ignature	<u>6/8/27 1/45</u> Date Time	Name Authorized	Signature	<u> Olda</u> Date	<u>  : {</u> Time
Sender's ID N	io.	Brief Description		Receiver's ID No	D.	
25570.005-01	02					-
25570.005-01	03			<u> </u>		-
Please analyze notification if Request verba	e the enclosed 2 s samples will be d ai results by:	ample(s) for asbestos content isposed. AM/PMDate	t using PLM with	n dispersion stain	ing. PBS req	luests prior
Please fax and <u>TURNAROUN</u>	d mail the results t <u>ND D</u> ESIRED:	to the above address.				
SPECIAL INS			. <u> </u>			
						32/52

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#### LABORATORY REPORT

PBS Engineering & Environmental
4412 South Corbett Ave
Portland, OR 97239

Attn: Alex Johnson Phone: 503-248-1939

#### Email: alex.johnson@pbsusa.com

RJ Lee Group Job No.: PA110420220009 Samples Received: April 11, 2022 Report Date: April 14, 2022 Client Project: 25570.005 Phase 0001 Purchase Order No.: N/A Matrix: Solid Prep/Analysis: EPA 3050B / EPA 6010C-Paint

		Sampling Date		Sample Concentration		Minimum Reporting Limit			
 Client Sample ID	RJ Lee Group ID		Analyte	Weight Percent (%)	Parts per Million (PPM) - mg/kg	Weight Percent (%)	Parts per Million (PPM) - mg/kg	Analysis Date	Q
LB25570.005-1001	PA110420220009-001	NP	Lead	0.0140	140	0.00119	11.9	4/12/2022	А
LB25570.005-1002	PA110420220009-002	NP	Lead	0.00124	12.4	0.00120	12.0	4/12/2022	А
LB25570.005-1003	PA110420220009-003	NP	Lead	0.0185	185	0.00124	12.4	4/12/2022	А
LB25570.005-1004	PA110420220009-004	NP	Lead	2.89	28900	0.135	1350	4/13/2022	А

#### Comments:

Report Qualifiers (Q):				
	E = Value above highest calibration standard	B = Analyte detected in the associated Method Blank		
P: PA-DEP Accredited (PA DEP Lab ID 02-00396, NELAP)	J = Value below lowest calibration standard but above MDL (Method Detection Limit)	S = Spike Recovery outside accepted limits		
N : NY ELAP Accredited (NY ELAP Lab Code 10884)	L = LCS (Laboratory Control Standard)/SRM (Standard Reference Material) recovery	R = RPD (relative percent difference) outside accepted limits		
	outside accepted recovery limits	D = RL (reporting limit verification) outside accepted limits		
A : AIHA LAP, LLC Accredited (Lab ID 100364)	<i>H</i> = Holding times for preparation or analysis exceeded	NP = Not Provided		
- : Test (analyte-matrix-preparation-analysis) is performed under RJLG's General Quality System requirements and is not part to any of the above scopes of accredidations				

These results are submitted pursuant to RJ Lee Group's current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions. No responsibility or liability is assumed for the manner in which the results are used or interpreted. Unless notified in writing to return the samples covered by this report, RJ Lee Group will store the samples for a period of thirty (30) days before discarding. A shipping and handling fee will be assessed for the return of any samples.

This laboratory operates in accord with ISO 17025:2017 guidelines, and holds a limited scope of accreditations under different accrediting agencies; refer to http://toww.rjlg.com/about-us/accreditations/ for more information and current status. Unless it is specifically stated otherwise (under the Q column using the appropriate accrediting agency qualifier(s)) the work contained in this report is performed under RJLG's General Quality System requirements and is not part of any scope of accreditations. This report may not be used to claim product endorsement by any laboratory accrediting agency. The results contained in this report relate only to the items tested or to the sample(s) as received by the laboratory. Any reproduction of this document must be in full for the report to be valid.

Unless otherwise noted (either in the comments section of the report and/or with the appropiate qualifiers under the report qualifiers (Q) column) the following apply: (a) Samples were received in good condition, (b) All QC samples are within acceptable established limits, (c) All samples designated as NELAP meet the requirements of the NELAC standard; if not applicable qualifiers will be used to designate the non-compliance and (d) Results have not been blank corrected. Quality Control data is available upon request.

Orin Repu

Erin Repine Scientist

#### LABORATORY REPORT

	Sample Concentration Minimum Reporting Limit
Email: alex.jonnson@posusa.com	
Email alouicheangenhause com	r, je i je
	Prep/Analysis: EPA 3050B / EPA 6010C-Paint
Phone: 503-248-1939	Matrix: Solid
Attn: Alex Johnson	Purchase Order No.: N/A
	Client Project: 25570.005 Phase 0001
	Report Date: May 23, 2022
Portland, OR 97239	Samples Received: May 18, 2022
4412 South Corbett Ave	RJ Lee Group Job No.: PA180520220010
PBS Engineering & Environmental	

	ple ID RJ Lee Group ID Sampling Date		Sample Concentration		Minimum Reporting Limit				
Client Sample ID		Analyte	Weight Percent (%)	Parts per Million (PPM) - mg/kg	Weight Percent (%)	Parts per Million (PPM) - mg/kg	Analysis Date	Q	
LB25570.005-1005	PA180520220010-001	NP	Lead	0.133	1330	0.0125	125	5/19/2022	А

Comments:

 Report Qualifiers (Q):
 E = Value above highest calibration standard
 B = Analyte detected in the associated Method Blank

 P : PA-DEP Accredited (PA DEP Lab ID 02-00396, NELAP)
 J = Value below lowest calibration standard but above MDL (Method Detection Limit)
 S = Spike Recovery outside accepted limits

 N : NY ELAP Accredited (NY ELAP Lab Code 10884)
 L = LCS (Laboratory Control Standard)/SRM (Standard Reference Material) recovery
 R = RPD (relative percent difference) outside accepted limits

 A : AIHA LAP, LLC Accredited (Lab ID 100364)
 H = Holding times for preparation or analysis exceeded
 MP = Not Provided

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Erin Repine Scientist



## TRANSMITTAL AND CHAIN OF CUSTODY FOR LEAD BULK SAMPLES

Project No.:

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

Name

RECEIVER

Men Martin

**Date Sent:** April 08, 2022

4412 S Corbett Avenue

Portland, OR 97239

**Authorized Signature** 

25570.005

**PBS Engineering and Environmental Inc.** 

503.248.1939, Fax: 866.727.0140

Date Received: 04/11/22@ 11:15AM

R.J. Lee Group **Company:** 350 Hochberg Road Address: Monroeville, PA 15146 724-325-1776

ELLEN MARTIN

Name

**Authorized Signature** 

04/11/22

D	a	t	e
_	-	-	-

Sender's ID No.	Brief Description	Receiver's ID No.
LB25570.005-1001/		
LB25570.005-1002		
LB25570.005-1003	3	
LB25570.005-1004		
ANALYSIS REQUESTED:	Please analyze the enclosed 4 sample(s) PBS requests prior notification if samples	or LEAD content using Atomic Absorption Method. will be disposed.
LEAD: 🗹 Paint		
□ Wipe	Please fax and mail the results to the abo	we address.
Soil/Misc.		
□ Air	TURNAROUND DESIRED:	
□ TCLP	72 Hour	

# **SPECIAL INSTRUCTIONS:**

Bu/JC



# TRANSMITTAL AND CHAIN OF CUSTODY FOR LEAD BULK SAMPLES

**Project No.:** 25570.005 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:

RECEIVER

May 17, 2022 Date Received: 05/18/22 10:40am PBS Engineering and Environmental Inc. Company: R.J. Lee Group 4412 S Corbett Avenue Address: 350 Hochberg Road Portland, OR 97239 Monroeville, PA 15146 503.248.1939, Fax: 866.727.0140 724-325-1776 Enca Schimizzi Name Name Euca Schumizzi 7.22 18/22 10:40an **Authorized Signature** Date **Authorized Signature** Sender's ID No. **Brief Description** Receiver's ID No. LB25570.005-1005 Please analyze the enclosed 1 sample(s) for LEAD content using Atomic Absorption Method. ANALYSIS REQUESTED: PBS requests prior notification if samples will be disposed. LEAD: ~ Paint Wipe Please fax and mail the results to the above address. Soil/Misc. **TURNAROUND DESIRED:** Air 72 Hour TCLP SPECIAL INSTRUCTIONS: EMAIL RESINTS TO: ALEX. JOHNSON @ PBSUSA. COM

#### LABORATORY REPORT

PBS Engineering & Environmental									
4412 South Corbett Ave		RJ Lee Group Job No.: PA270520220016							
Portland, OR 97239			Samples Received:	May 27, 2022					
			Report Date:	June 2, 2022					
Client Project: 25570			25570.005 Phase	0001					
Attn: Keenan Landon					Purchase Order No.: N/A				
Phone: 503-248-1939				Matrix: Solid					
Fax: 866-727-0140				Prep/Analysis: EPA 3050B / EPA 6010C-Paint					
Email: keenan.landon@pbsusa.com									
				Commits C		Minimum D			
				Sample C	oncentration	Ninimum K	leporting Limit		
Client Sample ID	RJ Lee Group ID	Sampling Date	Analyte	Weight Percent (%)	Parts per Million (PPM) - mg/kg	Weight Percent (%)	Parts per Million (PPM) - mg/kg	Analysis Date	Q

				reiceitt (76)	mg/kg	reicent (70)	mg/kg		
 LB25570.005-1006	PA270520220016-001	NP	Lead	0.0131	131	0.00120	12.0	6/2/2022	A
LD23370.003-1007	FA270320220016-002	INF	Leau	4.30	43800	0.125	1250	6/2/2022	A

Comments:

Report Qualifiers (Q):		
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<b>P</b> : PA-DEP Accredited (PA DEP Lab ID 02-00396, NELAP)	J = Value below lowest calibration standard but above MDL (Method Detection Limit)	S = Spike Recovery outside accepted limits
N : NY ELAP Accredited (NY ELAP Lab Code 10884)	L = LCS (Laboratory Control Standard)/SRM (Standard Reference Material) recovery	R = RPD (relative percent difference) outside accepted limits
	outside accepted recovery limits	D = RL (reporting limit verification) outside accepted limits
A : AIHA LAP, LLC Accredited (Lab ID 100364)	H = Holding times for preparation or analysis exceeded	NP = Not Provided

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Philip Grindle

Philip Grindle Laboratory Supervisor



Joe Lucas

# **PBS**

# Lead Paint Sample Field Form

Client: WA_CDYH	Project Name: HUNTER	1 M & DIVINE HALL
Project No. 25510.005 Phase 000	Task (*Required: full pro	ect and phase numbers)
Samples <u>delivered</u> undamaged to office by: <u>Selv</u>	WW. Sign: Furth	Date: 5.26.22 Time: 6:30
Samples <u>received</u> at office undamaged by:	Sign:	Date: Time:
Lab: R.J. LEE	Turnaround time (check one):	□ Rush (Same Day) □ 24 hours □ 48 hours
Email Results to: DOE. L.		□ 5 days

(Project Manager)

Archive (A): Archived Sample (No analysis. Sample marked on form and removed from bag, enter sample data only.)

Arc.	SAMPLE #	LOCATION	COMPONENT	SUBSTRATE	COLOR	CONDITION
	1006	DIVINE HALL; ROOF, ON	HVAL UNIT	METAL	BROWN	DAMAGIED
_		HVAC, UNIT, SOUTH SIDE				
	1007	HUNTER GYM, LOWER	VENT	N.	SILVER	~
		ROOF, ON MUSHROOM VIANT				
_						
-						
10						

Bulk Sample Numbering Format: Paint: 1001-1999, Wipe: 2001-2999, TCLP: 3001-3999, Soil/Misc: 4001-4999

**Recommended Amount:** Coatings: approx. 2 teaspoons, Soil: 100 grams, Water: 100 ml, Dust: 1 square foot of surface, TCLP: solid material, 200 grams (min.10-50g), liquid, 1 liter

April 14, 2022



Mr. Joe Lucas

PBS Environmental 4412 SW Corbett Avenue Portland, OR 97239

## Re: NVL Batch 2206847.00

Project Name/Number: 25570.005 P1

Project location: WA DES-CDHY, Hunter Gym & Divine Hall

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,

Nick Ly, Technical Director

Enclosure: Sample Results



# **Case Narrative:**

The following summarizes samples received on date as shown on the accompanied Chain of custody by NVL Laboratories, Inc. from PBS Environmental - Portland for Project Number 25570.005 P1. 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 milligram 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.
В	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).
SMI	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/m3	Micrograms per cubic meter.
ug/mL	Micrograms per milliliter
mg/Kg	milligram per kilogram

# **ANALYSIS REPORT**



# Polychlorinated Biphenyls by Gas Chromatography

Client SDG Number Date Reported Project Number Location	PBS Environmental 2206847.00 04/14/2022 25570.005 P1 WA DES-CDHY, Hunter Gym & Divine H	Samples Receive Analyzed By Samples Analyze Analysis Method Freparation Method	d* 3 Evelyn Ahulu d* 3 8082A od 3546PR (PCB) * for this test only	
Sample Numbe	r 25570.005-PCB001	Received	04/11/2022	
Lab Sample ID	22342534	Matrix	Material	
Initial Sample Siz	e 1.8969 gm	Units of Result	mg/Kg, as received	
Analyte		RL	Final Result Analysis Date	
Aroclor-1016		5.3	< 5.3 04/12/2022	
Aroclor-1221		5.3	< 5.3 04/12/2022	
Aroclor-1232		5.3	< 5.3 04/12/2022	
Aroclor-1242		5.3	< 5.3 04/12/2022	
Aroclor-1248		5.3	< 5.3 04/12/2022	
Aroclor-1254		5.3	6.5 04/12/2022	
Aroclor-1260		5.3	< 5.3 04/12/2022	
PCBs, Total Comments: Reporting li	mit raised due to dilution (interference)	5.3	6.5	
Sample Numbe	r 25570.005-PCB002	Received	04/11/2022	
Lab Sample ID	22342535	Matrix	Material	
Initial Sample Siz	e 2.0583 gm	Units of Result	mg/Kg, as received	
Analyte		RL	Final Result Analysis Date	
Aroclor-1016		49	< 49 04/12/2022	
Aroclor-1221		49	< 49 04/12/2022	
Aroclor-1232		49	< 49 04/12/2022	
Aroclor-1242		49	< 49 04/12/2022	
Aroclor-1248		49	< 49 04/12/2022	
Aroclor-1254		49	460 04/12/2022	
Aroclor-1260		49	< 49 04/12/2022	
PCBs, Total Comments: Reporting limit raised due to dilution.		49	460	

# **ANALYSIS REPORT**



# Polychlorinated Biphenyls by Gas Chromatography

Sample Number	25570.005-PCB003	Received	04/11/2022	
Lab Sample ID	22342536	Matrix	Material	
Initial Sample Size	1.0927 gm	Units of Result	mg/Kg, as received	
Analyte		RL	Final Result Analysis Date	
Aroclor-1016		0.92	< 0.92 04/12/2022	
Aroclor-1221		0.92	< 0.92 04/12/2022	
Aroclor-1232		0.92	< 0.92 04/12/2022	
Aroclor-1242		0.92	< 0.92 04/12/2022	
Aroclor-1248		0.92	< 0.92 04/12/2022	
Aroclor-1254		0.92	< 0.92 04/12/2022	
Aroclor-1260		0.92	< 0.92 04/12/2022	
PCBs, Total		0.92	<0.92	


# **Quality Control Results**

Project Number:	25570.005 P1			SDG N	umber:	2	206847			
				Projec	t Manager:	J	oe Lucas			
QC Batch(es):	Q1558			Analys	is Method:	808	32A			
QC Batch Method:	3546PR (PCB)			Analysis De	escription:	Pol	ychlorinat	ed Bipł	nenyls by Ga	S
Preparation Date:	04/12/2022					Ch	romatogra	phy		
Blank: MBLK-220684	7									
	Blank				RL		Control			
Analyte	Result	Units	DF				Limit			Qualifiers
Aroclor-1016	ND	mg/Kg	1		1		1.0			
Aroclor-1221	ND	mg/Kg	1		1		1.0			
Aroclor-1232	ND	mg/Kg	1		1		1.0			
Aroclor-1242	ND	mg/Kg	1		1		1.0			
Aroclor-1248	ND	mg/Kg	1		1		1.0			
Aroclor-1254	ND	mg/Kg	1		1		1.0			
Aroclor-1260	ND	mg/Kg	1		1		1.0			
PCBs, Total	ND	mg/Kg	1		1		1.0			
Surrogates:						% Rec				
Tetrachloro-m-xylene			1			82	40-140			
Decachlorobiphenyl			1			96	40-140			
Lab Control Sample:	LCS-1254-22068	47								
	Blank Spike			Spike			% Rec			
Analyte	Result	Units	DF	Conc.		% Rec	Limits			Qualifiers
Surrogates:	22	mg/Kg	1	20.0		110	40-140			
Tetrachloro-m-xylene			1			99	40-140			
Decachlorobiphenyl			1			137	40-140			
Lab Control Sample:	LCS-1016+1260-2	2206847								
Lab Control Sample Dup-11016+1260-2206	Duplicate: LCS									
	Blank Spike			Spike						
Analyte	Result	Units	DF	Conc.		% Rec	Limits	RPD	RPD Limit	Qualifiers
Aroclor-1016	15.3	mg/Kg	1	20.0		76	40-140			
	15.2			20.0		76	40-140	0.7	50	
Aroclor-1260	21.2	mg/Kg	1	20.0		106	40-140			
<b>o</b> <i>i</i>	17.2			20.0		86	40-140	20.8	50	
Surrogates:							10			
Tetrachloro-m-xylene			1			86	40-140			
Decachlorobinhenvl			1			78 120	40-140 40-140			
Desacriforopiprierry						92	40-140			



## Surrogate Recovery Summary Report

Client	PBS Environmental	i
••		1

Project 25570.005 P1

SDG Number <u>2206847</u>

Customer Sample ID	Lab Sample ID	Analyte	Recovery	Limits
25570.005-PCB001-DL	22342534DL1	Decachlorobiphenyl	88%	40-140
25570.005-PCB001-DL	22342534DL1	Tetrachloro-m-xylene	107%	40-140
25570.005-PCB002	22342535	Decachlorobiphenyl	104%	40-140
25570.005-PCB002	22342535	Tetrachloro-m-xylene	69%	40-140
25570.005-PCB003	22342536	Decachlorobiphenyl	64%	40-140
25570.005-PCB003	22342536	Tetrachloro-m-xylene	47%	40-140
LCS Dup-11016+1260-2206847	LCS Dup-11016+1260-2206847	Decachlorobiphenyl	92%	40-140
LCS Dup-11016+1260-2206847	LCS Dup-11016+1260-2206847	Tetrachloro-m-xylene	78%	40-140
LCS-1016+1260-2206847	LCS-1016+1260-2206847	Decachlorobiphenyl	120%	40-140
LCS-1016+1260-2206847	LCS-1016+1260-2206847	Tetrachloro-m-xylene	86%	40-140
LCS-1254-2206847	LCS-1254-2206847	Decachlorobiphenyl	137%	40-140
LCS-1254-2206847	LCS-1254-2206847	Tetrachloro-m-xylene	99%	40-140
MBLK-2206847	MBLK-2206847	Decachlorobiphenyl	96%	40-140
MBLK-2206847	MBLK-2206847	Tetrachloro-m-xylene	82%	40-140

\* Recovery outside limits



## INITIAL AND CONTINUING CALIBRATION VERIFICATION

#### SDG No: <u>2206847</u>

Contract: <u>N/A</u>

#### Determination: 8082 PCB Aroclors <Material>

Run	Sample	Source	Analyzed	Analyte	True	Found	Unit	% Rec	Limits
R001551	CCV1 1016-1260	PCB_2022-1-2	04/12/2022	Aroclor-1016	5	5	ug/mL	100	80-120
		PCB_2022-1-2	04/12/2022	Aroclor-1260	5	5	ug/mL	100	80-120
	CCV1 1254	PCB_2022-1-3	04/12/2022	Aroclor-1254	5	5	ug/mL	100	80-120
	ICV 1016-1254- 1260	PCB_2022-1-4	04/12/2022	Aroclor-1016	5	4.423	ug/mL	88	85-115
		PCB_2022-1-4	04/12/2022	Aroclor-1254	5	4.896	ug/mL	98	85-115
		PCB_2022-1-4	04/12/2022	Aroclor-1260	5	4.366	ug/mL	87	85-115
	CCV2 1016-1260	PCB_2022-1-2	04/12/2022	Aroclor-1016	5	4.91	ug/mL	98	80-120
		PCB_2022-1-2	04/12/2022	Aroclor-1260	5	5.178	ug/mL	104	80-120
	CCV2 1254	PCB_2022-1-3	04/12/2022	Aroclor-1254	5	5.665	ug/mL	113	80-120

Page 9 of 11

# **ORGANICS LABORATORY SERVICES**



Company	PBS Environmental - Portland	NVL Batch Number 2206847.00
Address	4412 S Corbett Ave	TAT 5 DaysAH No
	Portland, OR 97239	Rush TAT
Project Manager	Mr. Joe Lucas	Due Date 4/18/2022 Time 10:20 AM
Phone	(503) 248-1939	Email joe.lucas@pbsusa.com
Cell	(206) 510-8038	Fax (503) 248-0223

Project Name/Number: 25570.005 P1 Project Location: WA DES-CDHY, Hunter Gym & Divine Hall

### Subcategory Quantitative analysis

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

## Total Number of Samples 3

Rush Samples

-	Lab ID	Sample ID	Description	A/R
1	22342534	25570.005-PCB001		А
2	22342535	25570.005-PCB002		Α
3	22342536	25570.005-PCB003		А

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	UPS				
Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Kelly AuVu		NVL	4/11/22	1020
Analyzed by	Evelyn Ahylu	Cloch	NVL	4/12/22	16:00
Results Called by	0			10 1	
Emailed Faxed					
Special Instructions:					
Entered By: Rachelle Mille	r D	ate: 4/11/2022	Time: 4:25 PM		1 of 1

4708 Aurora Ave North, Seattle, WA 98103 p 206 547 0100 f 206 634 1936 www.nvllabs.com

· ·			2206	6847
NDUSTRIAL HYGIENE SERVICES LABORATORY + MANAGEMENT + TRAINING	OF CUSTODY	Turn Around Time 1 Hour 2 Hours 4 Hours Please call for TA	□ 24 Hours □ 2 Days □ 3 Days □ less than 24 Hours	Days Days Days
Company PBS ENG & ENV. Address	Project N	Nanager <u>JOE LUCAS</u>	-	
Phone		Email JOE.LVLASC	PBSUSA.com	
Project Name/Number 25570 005 P1	Project Location	Could Il	Con K Ni	1)
255 10-00-51	IVA DES	- CDHY, HUDDER	- GTIM & DIVINE	FALL
PCB's Air	PCB's Bulk	>		
C PCB Wipe	PCB BTEX			
Reporting Instructions EAML = ALE	X. JOHNSON PRSUSA	. com, Joe. LUCASE	2PBSUSA.COM	
🗆 Call () -	🗆 Fax () -	_ MEmail BELAN. U	IEHNER PRSUSA	. com
Total Number of Samples				
Sample ID	Description			A/R
1 PLBADI	GRAY - INTERIOR	PERIMETER_ WI	ADDA) CALLKINIS	HUNTER GH
2 PLB 002	GRAY - EXTERIOR	DUOR FRAME CALL	KING, NSIDE OF	TV III.
3	HUNTER	gym		
4 PCB 003	DARK BROWN - RN	1 313, INTERIOR WIN	aw Frame Cank	
6				
7				
8				
9		1		
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14				
15				
Print Name	Signature	Company	Date	Time
Sampled by BRIAN WEHNER	FANNAL	PBS	4-8-22	14:15
Relinquish by BRAN W	tot	3.N	~	XV
Office Use Only				
Print Name	Signature	Company	Date	Time I GAD FUP1
Analyzed by Evolyn Anuly	1 Condu	NUL	41222 1	6:00
Called by	2) 3352 0 0 0 0		11.	

4708 Aurora Ave N, Seattle, WA 98103 | p 206.547.0100 | f 206.634.1936 | www.nvllabs.com

May 20, 2022



Mr. Joe Lucas

PBS Environmental - Vancouver 415 W. 6th Street Vancouver, WA 98660

#### Re: NVL Batch 2209299.00

Project Name/Number: 25570.005 P1

Project location: Hunter Gym and Divine Hall

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,

Nick Ly, Technical Director

Enclosure: Sample Results



## **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 25570.005 P1. 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 milligram 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.
В	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).
SMI	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/m3	Micrograms per cubic meter.
ug/mL	Micrograms per milliliter
mg/Kg	milligram per kilogram



# Polychlorinated Biphenyls by Gas Chromatography

Client SDG Number Date Reported Project Number Location	PBS Environmental - Vancouver 2209299.00 05/23/2022 25570.005 P1 Hunter Gym and Divine Hall	Samples Receive Analyzed By Samples Analyze Analysis Method Preparation Meth	ed* 5 Evelyn Ahulu ed* 5 8082A nod 3546PR (PCB) * for this test only
Sample Numbe	r 25570.005 P1 PCB004	Received	05/18/2022
Lab Sample ID	22358792	Matrix	Material
Initial Sample Size	e 1.516 gm	Units of Result	mg/Kg, as received
Analyte		RL	Final Result Analysis Date
Aroclor-1016		660	< 660 05/18/2022
Aroclor-1221		660	< 660 05/18/2022
Aroclor-1232		660	< 660 05/18/2022
Aroclor-1242		660	< 660 05/18/2022
Aroclor-1248		660	< 660 05/18/2022
Aroclor-1254		660	8100 05/18/2022
Aroclor-1260		660	2200 05/18/2022
PCBs, Total Comments: Reporting lin	mit raised due to small sample size and dilution.	660	10300
Sample Numbe	r 25570.005 P1 PCB005	Received	05/18/2022
Lab Sample ID	22358793	Matrix	Material
Initial Sample Size	e 1.1698 gm	Units of Result	mg/Kg, as received
Analyte		RL	Final Result Analysis Date
Aroclor-1016		1.7	< 1.7 05/18/2022
Aroclor-1221		1.7	< 1.7 05/18/2022
Aroclor-1232		1.7	< 1.7 05/18/2022
Aroclor-1242		1.7	< 1.7 05/18/2022
Aroclor-1248		1.7	< 1.7 05/18/2022
Aroclor-1254		1.7	2.0 05/18/2022
Aroclor-1260		1.7	< 1.7 05/18/2022
PCBs, Total	mit raisad due to small sample size	1.7	2

Comments: Reporting limit raised due to small sample size.



# Polychlorinated Biphenyls by Gas Chromatography

Sample Number	25570.005 P1 PCB006	Received	05/18/2022
Lab Sample ID	22358794	Matrix	Material
Initial Sample Size	0.3154 gm	Units of Result	mg/Kg, as received
Analyte		RL Fin	al Result Analysis Date
Aroclor-1016		3.2	< 3.2 05/18/2022
Aroclor-1221		3.2	< 3.2 05/18/2022
Aroclor-1232		3.2	< 3.2 05/18/2022
Aroclor-1242		3.2	< 3.2 05/18/2022
Aroclor-1248		3.2	< 3.2 05/18/2022
Aroclor-1254		3.2	< 3.2 05/18/2022
Aroclor-1260		3.2	< 3.2 05/18/2022
PCBs, Total		3.2	<3.2
Comments: Reporting limit rais	ed due to small sample size.		
Sample Number	25570.005 P1 PCB007	Received	05/18/2022
Lab Sample ID	22358795	Matrix	Material
Initial Sample Size	2.294 gm	Units of Result	mg/Kg, as received

Initial Sample Size 2.294 ym		my/rxy,	as leceiveu
Analyte	RL	Final Result	Analysis Date
Aroclor-1016	0.87	< 0.87	05/18/2022
Aroclor-1221	0.87	< 0.87	05/18/2022
Aroclor-1232	0.87	< 0.87	05/18/2022
Aroclor-1242	0.87	< 0.87	05/18/2022
Aroclor-1248	0.87	< 0.87	05/18/2022
Aroclor-1254	0.87	1.3	05/18/2022
Aroclor-1260	0.87	< 0.87	05/18/2022
PCBs, Total	0.87	1.3	



# Polychlorinated Biphenyls by Gas Chromatography

Sample Number 25570.005 P1 PCB008		Received	05/18/2022
Lab Sample ID	22358796	Matrix	Material
Initial Sample Size	0.346 gm	Units of Result	mg/Kg, as received
Analyte		RL	Final Result Analysis Date
Aroclor-1016		140	< 140 05/18/2022
Aroclor-1221		140	< 140 05/18/2022
Aroclor-1232		140	< 140 05/18/2022
Aroclor-1242		140	< 140 05/18/2022
Aroclor-1248		140	< 140 05/18/2022
Aroclor-1254		140	1600 05/18/2022
Aroclor-1260		140	560 05/18/2022
PCBs, Total		140	2160

Comments: Reporting limit raised due to small sample size and dilution.



## **Quality Control Results**

Project Number:	25570.005 P1			SDG N	lumber:	2	209299			
				Projec	t Manager:	J	oe Lucas			
QC Batch(es):	Q1576			Analys	is Method:	808	32A			
QC Batch Method:	3546PR (PCB)			Analysis De	escription:	Pol	ychlorinat	ed Bipł	henyls by Ga	S
Preparation Date:	05/18/2022					Ch	romatogra	phy		
Blank: MBLK-220929	9									
	Blank				RL		Control			
Analyte	Result	Units	DF				Limit			Qualifiers
Aroclor-1016	ND	mg/Kg	1		1		1.0			
Aroclor-1221	ND	mg/Kg	1		1		1.0			
Aroclor-1232	ND	mg/Kg	1		1		1.0			
Aroclor-1242	ND	mg/Kg	1		1		1.0			
Aroclor-1248	ND	mg/Kg	1		1		1.0			
Aroclor-1254	ND	mg/Kg	1		1		1.0			
AIUCIUI-1260		mg/Kg	1		1		1.0			
FUDS, TUIAI	ND	mg/Kg	I		1	04 F	1.0			
Sulloyales.			4			% Rec	40 1 40			
Decachlorobiphenyl			1			93	40-140 40-140			
Lab Control Sample:	LCS-1254-22092	99								
	Blank Spike			Spike			% Rec			
Analyte	Result	Units	DF	Conc.		% Rec	Limits			Qualifiers
Aroclor-1254 Surrogates:	15.3	mg/Kg	1	20.0		77	40-140			
Tetrachloro-m-xylene			1			81	40-140			
Decachlorobiphenyl			1			96	40-140			
Lab Control Sample:	LCS-1016+1260-	2209299								
Lab Control Sample I Dup-1016+1260-22092	Duplicate: LCS 299									
	Blank Spike			Spike						
Analyte	Result	Units	DF	Conc.		% Rec	Limits	RPD	RPD Limit	Qualifiers
Aroclor-1016	20.3	mg/Kg	1	20.0		102	40-140			
	18.9			20.0		94	40-140	7.6	50	
Aroclor-1260	20.3	mg/Kg	1	20.0		101	40-140	6.6	50	
Surrogates:	19			20.0		95	40-140	0.0	50	
Tetrachloro-m-vulene			1			78	40-140			
readinoro-m-xylene						83	40-140			
Decachlorobiphenyl			1			92	40-140			
						101	40-140			



## Surrogate Recovery Summary Report

Client	PBS Environmental - Vanco	buver		SDG Number	<u>2209299</u>	
Project	<u>25570.005 P1</u>					
Custome	er Sample ID	Lab Sample ID	Analyte		Recovery	Limits
25570.00	05 P1 PCB004	22358792	Decachlorobiphenyl		126%	40-140
25570.00	05 P1 PCB004	22358792	Tetrachloro-m-xylene		87%	40-140
25570.00	05 P1 PCB005	22358793	Decachlorobiphenyl		96%	40-140
25570.00	05 P1 PCB005	22358793	Tetrachloro-m-xylene		80%	40-140
25570.00	05 P1 PCB006	22358794	Decachlorobiphenyl		84%	40-140
25570.00	05 P1 PCB006	22358794	Tetrachloro-m-xylene		73%	40-140
25570.00	05 P1 PCB007	22358795	Decachlorobiphenyl		95%	40-140
25570.00	05 P1 PCB007	22358795	Tetrachloro-m-xylene		82%	40-140
25570.00	05 P1 PCB008	22358796	Decachlorobiphenyl		87%	40-140
25570.00	05 P1 PCB008	22358796	Tetrachloro-m-xylene		87%	40-140
LCS Dup	-1016+1260-2209299	LCS Dup-1016+1260-2209299	Decachlorobiphenyl		101%	40-140
LCS Dup	-1016+1260-2209299	LCS Dup-1016+1260-2209299	Tetrachloro-m-xylene		83%	40-140
LCS-101	6+1260-2209299	LCS-1016+1260-2209299	Decachlorobiphenyl		92%	40-140
LCS-101	6+1260-2209299	LCS-1016+1260-2209299	Tetrachloro-m-xylene		78%	40-140
LCS-125	4-2209299	LCS-1254-2209299	Decachlorobiphenyl		96%	40-140
LCS-125	4-2209299	LCS-1254-2209299	Tetrachloro-m-xylene		81%	40-140
MBLK-22	209299	MBLK-2209299	Decachlorobiphenyl		93%	40-140
MBLK-22	209299	MBLK-2209299	Tetrachloro-m-xylene		67%	40-140

\* Recovery outside limits



## INITIAL AND CONTINUING CALIBRATION VERIFICATION

#### SDG No: <u>2209299</u>

Contract: <u>N/A</u>

#### Determination: 8082 PCB Aroclors <Material>

Run	Sample	Source	Analyzed	Analyte	True	Found	Unit	% Rec	Limits
R001569	CCV1 1016-1260	PCB_2022-1-2	05/18/2022	Aroclor-1016	5	4.682	ug/mL	94	80-120
		PCB_2022-1-2	05/18/2022	Aroclor-1260	5	4.923	ug/mL	98	80-120
	CCV1 1254	PCB_2022-1-3	05/18/2022	Aroclor-1254	5	4.964	ug/mL	99	80-120
	ICV 1016-1254- 1260	PCB_2022-1-4	05/18/2022	Aroclor-1016	5	5.376	ug/mL	108	85-115
		PCB_2022-1-4	05/18/2022	Aroclor-1254	5	4.841	ug/mL	97	85-115
		PCB_2022-1-4	05/18/2022	Aroclor-1260	5	5.407	ug/mL	108	85-115
	CCV2 1016-1260	PCB_2022-1-2	05/18/2022	Aroclor-1016	5	4.849	ug/mL	97	80-120
		PCB_2022-1-2	05/18/2022	Aroclor-1260	5	4.872	ug/mL	97	80-120
	CCV2 1254	PCB_2022-1-3	05/18/2022	Aroclor-1254	5	4.825	ug/mL	97	80-120

Page 10 of 12

\* = Percent recovery not within control limits

# **ORGANICS LABORATORY SERVICES**

Company Address	PBS Environmental - Vancouver 415 W. 6th Street Vancouver, WA 98660	NVL Batch Number 2209299.00 AH No Rush TAT
Project Manager	Mr. Joe Lucas	Due Date 5/25/2022 Time 9:20 AM
Phone	(360) 695-3488	Email joe.lucas@pbsusa.com
Cell	(206) 510-8038	Fax () -

Project Name/Number: 25570.005 P1 Project Location: Hunter Gym and Divine Hall

### Subcategory Quantitative analysis

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

## Total Number of Samples 5

Rush Samples

	Lab ID	Sample ID	Description	A/R
1	22358792	25570.005 P1-PCB004		Α
2	22358793	25570.005 P1-PCB005		Α
3	22358794	25570.005 P1-PCB006		Α
4	22358795	25570.005 P1-PCB007		Α
5	22358796	25570.005 P1-PCB008		Α

	Print Name	Signature		Company	Date	Time
Sampled by	Client					
Relinquished by	UPS					
Office Use Only	Print Name	Signature		Company	Date	Time
Received by	Rachelle Miller		$\frown$	NVL	5/18/22	920
Analyzed by	Evelyn Am	hæ	ab.	NVL	5/18/2	16:00
Results Called by	0		<u> </u>		1-1-	
Faxed Emailed						
Special Instructions:						
Entered By: Kelly AuVu	D	ate: 5/18/2022		Time: 9:31 AM		1 of 1
470	8 Aurora Ave North, Seattle	, WA 98103	p 206.547.0100	f 206-634-1936	www.nvllabs.com	

					2	20929	99		
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Projec	Company Address Phone	PBS 1325 Vanco 18736	ENG . 8 8 SE TECH ( MAR, WA D. 695.34	ENV. ENTER DR. 98683 88	Project Man SUITE HO E	ager <u>JOE</u> Cell <u>(206)51</u> mail Fax ()	WCAS 0 - 8038 -		
		ローPCB's	Air Vipe	Project Location HUN	TER GYA B's Bulk B BTEX	)	HALL		
Rep	orting In: Call (	structions E	MAIL : ALEX.	Johnson@р □ Fax ()	BSVSA · CC	M , TOE. DEmail BRIA	LICASQ PB	SUSA-CO. QPBUS	<u>M</u> : <u>A-C</u> OM
	Samp		amples	Description		1.1	A		A/R
2 3 4	PCB-	-005		WINDOW B RED BRICK NE EXIT DO	D CAUKING LOCKS & B WITH GRAVIE OR , BRTERI	/HUMER GAN DICK @ PER DH MORTAR / H CR. , ADJACE	N; E SIDE, MOTER HUNTER GYM NT TO CAM	HETWERN N SIDE KING	· · · ·
6 7 8	PCB-	287		NE EXIT DO BLACK-FU SKIMCUATED	C WITH GID OR, EXTERN BUBLE CANN ALLENT P	NISH MORTAR OR , 8 cm and / HUMER ( AMRS	/ HUNTER G FROM CALLE GVM; 5 SIDE	-111; N 510 -1119 -, ATOUND	
9 10 11 12	PCB-C	008		GIRAY-FLEXIP WINDOW BL	NE CAULKIN OCKS, ARCO	G./HUNTER C MD PERIMETE	NM; S BIDE 2 OF WALL	, ABOVE VENT	
13 14 15									
Samp Relinqu	led by	Print Name BRIAN	) W.	Signature	~	Company PBS ENG	Date 5/1 5/1	3/22	Time 13:30 9:30
Office R A Faxe	e <b>Use On</b> eceived b nalyzed b Called b d/Email b	Print Na Print Na Print Na Py Dy Dy Dy	me Me M. Jn Alustr	Signature	3	Company NUL	Date 5/15/ 5/18/	22	2 <u>70 UPS</u>
		470	8 Aurora Ave N, Seat	tle, WA 98103   p 2	206.547.0100	f 206.634.1936	www.nvllabs.co	m	

June 13, 2022



Mr. Joe Lucas

PBS Environmental - Vancouver 415 W. 6th Street Vancouver, WA 98660

#### Re: NVL Batch 2210486.00

Project Name/Number: 25570.005 P1

Project location: Hunter Gym and Divine Hall

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:

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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,

Nick Ly, Technical Director

Enclosure: Sample Results



## **Case Narrative:**

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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

РРМ	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).
SMI	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/m3	Micrograms per cubic meter.
ug/mL	Micrograms per milliliter
mg/Kg	milligram per kilogram



# Polychlorinated Biphenyls by Gas Chromatography

Client SDG Number Date Reported Project Number Location	PBS Environmental - VancouverSamples Received*lumber2210486.00Analyzed Byteported06/13/2022Samples Analyzed*t Number25570.005 P1Analysis MethodonHunter Gym and Divine HallPreparation Method		ed* 2 Evely ed* 2 8082A od 3546F * for this test on	n Ahulu YR (PCB)
Sample Numbe	r 25570.005 P1-PCB-009	Received	06/08/20	022
Lab Sample ID	22365805	Matrix	Materia	
Initial Sample Siz	e 0.5123 gm	Units of Result	mg/Kg,	as received
Analyte		RL	Final Result	Analysis Date
Aroclor-1016 Aroclor-1221		78 78	< 78 < 78	06/08/2022 06/08/2022
Aroclor-1232		78	< 78	06/08/2022
Aroclor-1242		78	< 78	06/08/2022
Aroclor-1248		78	< 78	06/08/2022
Aroclor-1254		78	850	06/08/2022
Aroclor-1260		78	320	06/08/2022
PCBs, Total Comments: Reporting li	mit raised due to small sample size and dilution.	78	1170	
Sample Numbe	r 25570.005 P1-PCB-010	Received	06/08/2	022
Lab Sample ID	22365806	Matrix	Materia	
Initial Sample Siz	e 0.4157 gm	Units of Result	mg/Kg,	as received
Analyte		RL	Final Result	Analysis Date
Aroclor-1016		2.4	< 2.4	06/08/2022
Aroclor-1221		2.4	< 2.4	06/08/2022
Aroclor-1232		2.4	< 2.4	06/08/2022
Aroclor-1242		2.4	< 2.4	06/08/2022
Aroclor-1248		2.4	< 2.4	06/08/2022
Aroclor-1254		2.4	12	06/08/2022
Aroclor-1260		2.4	6.2	06/08/2022
PCBs, Total	mit raised due to small sample size	2.4	18.2	

nments: Reporting limit raised due to small sample size



# **Quality Control Results**

Project Number:	25570.005 P1			SDG Number:		2210486			
				Project Manager	r:	Joe Lucas			
QC Batch(es):	Q1582			Analysis Method	: 80	)82A			
QC Batch Method:	3546PR (PCB)			Analysis Description:	P	olychlorinate	ed Bipl	nenyls by Ga	6
Preparation Date:	06/08/2022				С	hromatogra	phy		
Blank: MBLK-221048	6								
	Blank			RL		Control			
Analyte	Result	Units	DF			Limit			Qualifiers
Aroclor-1016	ND	mg/Kg	1	1		1.0			
Aroclor-1221	ND	mg/Kg	1	1		1.0			
Aroclor-1232	ND	mg/Kg	1	1		1.0			
Aroclor-1242	ND	mg/Kg	1	1		1.0			
Aroclor-1248	ND	mg/Kg	1	1		1.0			
Aroclor-1254	ND	mg/Kg	1	1		1.0			
Arocior-1260	ND	mg/Kg	1	1		1.0			
PCDS, Total	ND	mg/Kg	I	I	0/ D	1.0			
Surroyales.			4		% Rec	40 140			
Tetrachioro-m-xylene			1		60 105	40-140			
Lab Control Sample:	LCS 1254-22104	36	,		105	40-140			
Lub Control Campio.	Plank Snika			Spiko		% Boo			
Analyte	Result	Units	DF	Spike Conc.	% Rec	1 imits			Qualifiers
Aroclor-1254	16.6	ma/Ka	1	20.0	83	40-140			Qualifiero
Surrogates:									
Tetrachloro-m-xylene			1		84	40-140			
Decachlorobiphenyl			1		96	40-140			
Lab Control Sample:	LCS-1016+1260-2	2210486							
Lab Control Sample	Duplicate: LCS Du	up-1016+12	260						
	Blank Spike			Spike					
Analyte	Result	Units	DF	Conc.	% Rec	Limits	RPD	RPD Limit	Qualifiers
Aroclor-1016	17.9	mg/Kg	1	20.0	90	40-140			
A 4000	19.8			20.0	99	40-140	9.8	50	
Aroclor-1260	20.9	mg/Kg	1	20.0	105	40-140 40-140	0.1	50	
Surrogates:	22.9			20.0	115	40-140	5.1	50	
Tetrachloro-m-xylene			1		97	40-140			
					94	40-140			
Decachlorobiphenyl			1		115	40-140			
					113	40-140			



## Surrogate Recovery Summary Report

Client PBS Environmental - Vanc	ouver	SDG Num	1ber <u>2210486</u>	
Project 25570.005 P1				
Customer Sample ID	Lab Sample ID	Analyte	Recovery	Limits
25570.005 P1-PCB-009	22365805	Decachlorobiphenyl	93%	40-140
25570.005 P1-PCB-009	22365805	Tetrachloro-m-xylene	72%	40-140
25570.005 P1-PCB-010	22365806	Decachlorobiphenyl	89%	40-140
25570.005 P1-PCB-010	22365806	Tetrachloro-m-xylene	68%	40-140
LCS 1254-2210486	LCS 1254-2210486	Decachlorobiphenyl	96%	40-140
LCS 1254-2210486	LCS 1254-2210486	Tetrachloro-m-xylene	84%	40-140
LCS Dup-1016+1260	LCS Dup-1016+1260	Decachlorobiphenyl	113%	40-140
LCS Dup-1016+1260	LCS Dup-1016+1260	Tetrachloro-m-xylene	94%	40-140
LCS-1016+1260-2210486	LCS-1016+1260-2210486	Decachlorobiphenyl	115%	40-140
LCS-1016+1260-2210486	LCS-1016+1260-2210486	Tetrachloro-m-xylene	97%	40-140
MBLK-2210486	MBLK-2210486	Decachlorobiphenyl	105%	40-140
MBLK-2210486	MBLK-2210486	Tetrachloro-m-xylene	85%	40-140

\* Recovery outside limits



## INITIAL AND CONTINUING CALIBRATION VERIFICATION

#### SDG No: <u>2210486</u>

Contract: <u>N/A</u>

#### Determination: 8082 PCB Aroclors <Material>

Run	Sample	Source	Analyzed	Analyte	True	Found	Unit	% Rec	Limits
R001575	CCV1- 1016 -1260	PCB_2022-1-2	06/08/2022	Aroclor-1016	5	4.702	ug/mL	94	80-120
		PCB_2022-1-2	06/08/2022	Aroclor-1260	5	5.354	ug/mL	107	80-120
	CCV1- 1254	PCB_2022-1-3	06/08/2022	Aroclor-1254	5	4.906	ug/mL	98	80-120
	ICV 1016-1254- 1260	PCB_2022-1-4	06/08/2022	Aroclor-1016	5	5.114	ug/mL	102	85-115
		PCB_2022-1-4	06/08/2022	Aroclor-1254	5	4.875	ug/mL	98	85-115
		PCB_2022-1-4	06/08/2022	Aroclor-1260	5	5.517	ug/mL	110	85-115
	CCV2- 1016 - 1260	PCB_2022-1-2	06/08/2022	Aroclor-1016	5	5.078	ug/mL	102	80-120
		PCB_2022-1-2	06/08/2022	Aroclor-1260	5	5.28	ug/mL	106	80-120
	CCV2-1254	PCB_2022-1-3	06/08/2022	Aroclor-1254	5	4.549	ug/mL	91	80-120

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\* = Percent recovery not within control limits

# ORGANICS LABORATORY SERVICES



Company	PBS Environmental - Vancouver	NVL Batch Number ZZ10466.00
Address	415 W. 6th Street	TAT 3 DaysAH_No
	Vancouver, WA 98660	Rush TAT
Project Manager	Mr. Joe Lucas	Due Date 6/13/2022 Time 10:10 AM
Phone	(360) 695-3488	Email joe.lucas@pbsusa.com
Cell	(206) 510-8038	Fax () -

Project Name/Number: 25570.005 P1	Project Location:	Hunter Gym & Divine Hall
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Subcategory Quantitative analysis	
-----------------------------------	--

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

## Total Number of Samples \_\_\_\_2

Rush Samples

		Lab ID	Sample ID	Description	A/R
Γ	1	22365805	25570.005 P1-PCB-009		A
Ī	2	22365806	25570.005 P1-PCB-010		A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	UPS				
Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Rachelle Miller		NVL	6/8/22	1010
Analyzed by	Evelyn Ahulu		NVL	6/8/22	1600
Results Called by					
🗌 Faxed 🗌 Emailed					
Special Instructions:					
Entered By: Rachelle Mille	r	Date: 6/8/2022	Time: 10:25 AM		1 of 1
470	8 Aurora Ave North, Se	attle, WA 98103 📗 p 3	206.547.0100 f 206.634.1936 www.nvl.	labs::com	

END USTRIAL HYGERNE SERVICES LABBATORY - MANAGEMENT - TRAINING	PCB'S CHAIN	OF CUST	TODY		Turn Around Ti 1 Hour 2 Hours 4 Hours Please call f	me 24 FIGUIS 2 Days A 3 Days or TAT less than 24	210486
Company <u>PBS</u> Address <u>1325</u> VANC Phone <u>360</u>	ENG. È ENV SE TECH CE COUVER, WA. . 695. 3488	NTOR DR. 98683	Project M: SUME 140	anager Cell Email Fax	<b>Joe L</b> (206) 51 Joe Luc ()	0 - 8038 ASQ785	VSA. COM
Project Name/Number 2	5570.005 PI	Project Location	HUMER	Giv	n è Du	INE HALL	
D PC	B's Air B Wipe	ø	PCB's Bulk PCB BTEX				
Reporting Instructions	EMAIL: AL	D Fax (	) )	A. CO	Email Jue.	LUCAS OF	2018505A.con

# Total Number of Samples

	Sample ID	Description	A/R
1	PCB-009	DED BRICK & GRAY MORTAR HUNTER GYM;	
2		EXTERLOR, EAST SIDE, ADAJACENT TO REPLINETER	
3		window cauking	
4	PLB-010	RED BRILLE & GRAY MORTOR / HUMTER GYM;	
5		EXTERIOR, EAST SIDE, 8 CM FROM PERIMETER	
6		WINDOW CALLK	
7			
8			
9			
10			
11			
12			
13			
14			
15			

Î	Print Name	Signature	Company	Date	Time
Sampled by	BRIAN WEINER	Pal	PBS ENG :	6.7.22	12:40
Relinquish by	N	TADVIV	ENV.	N.	15:00

**Office Use Only** 

onnee obe only	Print Name	Signature	Company	Date	Time
Received by	Idachelle miller	1200	NVL	6/0/12	1010 000
Analyzed by	Evelyn Alm	In along	NVL	68/00	/600
Called by	· · · · · · · · · · · · · · · · · · ·				<u> </u>
Faxed/Email by					

4708 Aurora Ave N, Seattle, WA 98103 | p 206.547.0100 | f 206.634.1936 | www.nvllabs.com

# THIS IS TO CERTIFY THAT JOE LUCAS

# 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:

01/27/2022

Course Location:

Online,

Certificate:

IR-22-3527B

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

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:

01/27/2023

ander Fridly

Andy Fridley, Instructor

# THIS IS TO CERTIFY THAT BRIAN WEHNER

# 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:

01/27/2022

Course Location:

Online,

Certificate:

IR-22-7306B

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

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:

01/27/2023

ander Fridly

Andy Fridley, Instructor

Bulk Sample Inventory Washington Department of Enterprise Serv

<u>Code</u>	<u>Material</u>		<u>Location</u>	<u>Results</u>	Lab
25570.005-0001	Poured Flooring (01)		Hunter gym; boys locker room, on concrete, green sandy poured flooring		Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	hard granular material, green/gray, with coating, gray/red	No Asbestos Detected	
25570.005-0002	Poured Flooring		Hunter gym; boys locker room, on poured flooring, gray, brittle, smooth flooring with yellow mastic		Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	thin brittle material, gray, with mastic, yellow/clear	No Asbestos Detected	
25570.005-0003	Ceramic Tile/Grout (01)		Hunter gym; boys locker room, on walls, 3" by 3" mint green ceramic tile with white grout and yellow mastic		Lab Cor
		Layer:	Description:	Analysis:	
		Layer 01	hard compact powder, white/green	No Asbestos Detected	
		Layer 02	mastic, tan	No Asbestos Detected	
25570.005-0004	Covebase/Mastic (01)		Hunter gym; outside boys locker room, 4" brown covebase with tan mastic		Lab Cor
		Layer:	Description:	Analysis:	
		Layer 01	rubbery material, brown	No Asbestos Detected	
		Layer 02	mastic with coating, off- white/tan/green	No Asbestos Detected	
25570.005-0005	Gypsum Wallboard/Joint Compound		Hunter gym; outside boys locker room, white wallboard with white compound		Lab Cor
		Layer:	Description:	Analysis:	
		Layer 01	coating, white/green	No Asbestos Detected	
		Layer 02	compact chalky material with paper, white	No Asbestos Detected	
25570.005-0006	Poured Flooring (01)		Hunter gym; outside girls locker sandy poured flooring	room, on concrete, green,	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	hard granular material, green/tan/red	No Asbestos Detected	

<u>Code</u>	<u>Material</u>		<u>Location</u>	<u>Results</u>	Lab
25570.005-0007	Poured Flooring (01)		Hunter gym; outside girls locker room, on concrete, green, sandy poured flooring		Lab Cor
		Layer:	Description:	Analysis:	
		Layer 01	hard compact material, white/yellow	No Asbestos Detected	
		Layer 02	mastic material, yellow/tan	No Asbestos Detected	
25570.005-0008	Wall and Ceiling Plaster		Hunter gym; storage closet, on red brick & mortar, gray plaster painted white		Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	granular compact powder, gray, with paint, white/blue/green	No Asbestos Detected	
25570.005-0009	Brick/Mortar	Layer:	Hunter gym; south side wall, red <b>Description:</b>	brick with gray mortar <b>Analysis:</b>	Lab Cor
		Layer 01	loose granular powder, gray	No Asbestos Detected	
		Layer 02	loose granular powder, red	No Asbestos Detected	
25570.005-0010	Mortar		Hunter gym; north side, between gray mortar	glass window blocks,	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	loose granular powder, gray/tan	No Asbestos Detected	
25570.005-0011	Caulk (01)		Hunter gym; around perimeter o white/gray, hard caulking	f window blocks,	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	compact flexible material, gray with coating, off-white/gray	4% Chrysotile	
25570.005-0012	Insulation		Hunter gym; around perimeter o perimeter caulk, brown fibrous h	f window blocks, behind air-like insulating rope	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	loose fibrous material, brown	No Asbestos Detected	
25570.005-0013	Caulk (01)		around perimeter of window blo hard caulking	cks, northwest side, gray,	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	compact fibrous material, gray	4% Chrysotile	
25570.005-0014	Caulk (02)		Hunter gym; exterior north side e frame, gray door frame caulk	exit door, around door	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	compact flexible material, gray	2% Chrysotile	



<u>Code</u>	<u>Material</u>		<u>Location</u>	<u>Results</u>	<u>Lab</u>
25570.005-0015	Vinyl Floor Tile/Mastic (01)		Divine hall; mechanical/boiler room entry, on concrete, 12" by 12" brown mustard, speckled vinyl floor tile with black mastic		Lab Cor
		Layer:	Description:	Analysis:	
		Layer 01	hard vinyl, off-white/tan	<1% Chrysotile	
		Layer 02	mastic, black	3% Chrysotile	
25570.005-0016	Covebase/Mastic	(02)	Divine hall; mechanical room, 4" brown covebase with brown mastic		Lab Cor
		Layer:	Description:	Analysis:	
		Layer 01	rubbery material, brown	No Asbestos Detected	
		Layer 02	mastic, brown	No Asbestos Detected	
25570.005-0017	Gypsum Wallboa Compound	rd/Joint	Divine hall; mechanical room, white wallboard with white compound		Lab Cor
		Layer:	Description:	Analysis:	
		Layer 01	hard compact powder, white with paint, gray	<1% Chrysotile	
		Layer 02	compact chalky material with paper, white	No Asbestos Detected	
25570.005-0018	Covebase/Mastic (03)		Divine hall; corridor south of gym, 4" black covebase with yellow mastic		Lab Cor
		Layer:	Description:	Analysis:	
		Layer 01	rubbery material, black	No Asbestos Detected	
		Layer 02	mastic, off-white/yellow	No Asbestos Detected	
25570.005-0019	Mastic (01)		Divine hall; corridor south of gym, under carpet on vinyl floor tile, brown/gray carpet mastic		Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	mastic material, gray/tan	No Asbestos Detected	
25570.005-0020	Poured Flooring (02)		Divine hall; north girls restroom poured flooring	, on concrete, yellow sandy	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	hard compact material, off- white/red	No Asbestos Detected	



<u>Code</u>	<u>Material</u>		<u>Location</u>	<u>Results</u>	Lab
25570.005-0021	Vinyl Floor Tile/Mastic (01)		Divine hall; outside north restrooms, under carpet squares on concrete, 12" by 12" brown mustard, speckled vinyl floor tile with black mastic		Lab Cor
		Layer:	Description:	Analysis:	
		Layer 01	mastic, tan/clear	No Asbestos Detected	
		Layer 02	vinyl, tan	No Asbestos Detected	
		Layer 03	mastic, black	2% Chrysotile	
25570.005-0022	Lay-in Ceiling Tile (01)		Divine hall; outside north restrooms, 2' by 4' white fissured and pinhole lay-in ceiling tiles		Lab Cor
		Layer:	Description:	Analysis:	
		Layer 01	coating, white	No Asbestos Detected	
		Layer 02	fibrous material, tan/gray	No Asbestos Detected	
25570.005-0023	Glued-on Ceiling Tiles (01)		Divine hall; north boys restroom, on gypsum ceiling, 12" by 12" white fissured glued-on ceiling tile with brown glue dot		Lab Cor
		Layer:	Description:	Analysis:	
		Layer 01	compact fibrous powder, tan	No Asbestos Detected	
		Layer 02	loose mastic, brown/black	No Asbestos Detected	
25570.005-0024	Mudded Joint Fittings		Divine hall; north boys restroom, above ceiling on piping, white, hard mudded fitting		Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	compact powdery material, gray	No Asbestos Detected	
25570.005-0025	Sink Undercoating (01)		Divine hall; room 313, on stainless sink, black sink undercoating		Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	loose particulate, black/brown	2% Chrysotile	
25570.005-0026	Mastic (02)		Divine hall; room 314, under carpet squares, on concrete, yellow carpet mastic		Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	loose mastic, tan	No Asbestos Detected	
25570.005-0027	Vinyl Floor Tile/Mastic		Divine hall; open room, south of restrooms, under carpet squares on concrete, 12" by 12" beige speckled floor tile with yellow mastic on leveling compound		Lab Cor
		Layer:	Description:	Analysis:	
		Layer 01	vinyl, tan/off-white	No Asbestos Detected	
		Layer 02	mastic with powder, tan/off- white/gray	No Asbestos Detected	

<u>Code</u>	<u>Material</u>		<u>Location</u>	<u>Results</u>	<u>Lab</u>
25570.005-0028	Putty Wrap		Divine hall; room 313, north window between glass and metal frame, black window putty		Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	soft rubbery material, black	3% Chrysotile	
25570.005-0029	Caulk (03)		Divine hall; room 313, around no frame, black/dark brown, rubber	rth perimeter window y window caulk	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	soft rubbery material, dark gray	No Asbestos Detected	
25570.005-0030	Covebase/Mastic (04)		Divine hall; mens staff restroom, north wall, 6" dark brown covebase with brown mastic		Lab Cor
		Layer:	Description:	Analysis:	
		Layer 01	rubbery material, brown	No Asbestos Detected	
		Layer 02	mastic, brown	No Asbestos Detected	
25570.005-0031	Vinyl Floor Tile/Mastic (01)		Divine hall; office, supply room 320 C, on concrete, 12" by 12" brown mustard vinyl floor tile with black mastic		Lab Cor
		Layer:	Description:	Analysis:	
		Layer 01	mastic, orange/clear	No Asbestos Detected	
		Layer 02	vinyl, tan/brown	No Asbestos Detected	
		Layer 03	mastic, black	4% Chrysotile	
25570.005-0032	Mastic (02)		Divine hall; office, under carpet squares, on concrete, yellow carpet mastic		Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	loose mastic, tan/orange	No Asbestos Detected	
25570.005-0033	Vinyl Floor Tile/Mastic		Divine hall; outside office door, white/pink wallboard with white compound		Lab Cor
		Layer:	Description:	Analysis:	
		Layer 01	fine compact powder, white	No Asbestos Detected	
		Layer 02	compact chalky material with paper, off-white	No Asbestos Detected	
25570.005-0034	Sink Undercoating	(02)	Divine hall; room 319, on stainles undercoating	ss steel, white sink	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	loose particulate, off-white	No Asbestos Detected	



<u>Code</u>	<u>Material</u>		<u>Location</u>	<u>Results</u>	Lab
25570.005-0035	Vinyl Floor Tile/Mastic (01)		Divine hall; east entry, under carpet, on concrete, 12" by 12" brown/mustard vinyl floor tile with black mastic		Lab Cor
		Layer:	Description:	Analysis:	
		Layer 01	mastic, orange/clear	No Asbestos Detected	
		Layer 02	vinyl, tan	No Asbestos Detected	
		Layer 03	mastic, black	4% Chrysotile	
25570.005-0036	Sink Undercoating	g (01)	Divine hall; library workroom, on stainless steel, black sink undercoating		Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	loose particulate, black/brown	2% Chrysotile	
25570.005-0037	Lay-in Ceiling Tile (01)		Divine hall; librarian office, 12' by pinhole lay-in ceiling tile	4' white fissured and	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 01	coating, white	No Asbestos Detected	
		Layer 02	compressed fibrous material, tan/gray	No Asbestos Detected	
25570.005-0038	Brick and Mortar		Divine hall; library south exit door, interior, red brick and gray mortar		Lab Cor
		Layer:	Description:	Analysis:	
		Layer 01	granular compact powder, red	No Asbestos Detected	
		Layer 02	granular compact powder, gray	No Asbestos Detected	
25570.005-0039	Caulk (04)		Divine hall; south side exit door, interior around metal door frame, dark brown, soft caulking		Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	soft rubbery material, black/dark brown	No Asbestos Detected	
25570.005-0040	Mudded Joint Fittings		Divine hall; outside office 320A, above drop ceiling, on pipe at elbow, white mudded hard fitting		Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	loose fibrous powder, off-white	No Asbestos Detected	
25570.005-0041	Material Debris		Divine hall; outside office 320A, o miscellaneous debris	on top of ceiling tiles,	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	loose fibers with particulate, gray/off-white	4% Chrysotile	



<u>Code</u>	<u>Material</u>		<u>Location</u>	<u>Results</u>	Lab
25570.005-0042	Glued-on Ceiling Tiles		Divine hall; southeast entry corridor, on gypsum, 12" by 12" white fissured glued-on ceiling tile with brown glue dot		Lab Cor
		Layer:	Description:	Analysis:	
		Layer 01	coating, off-white/tan	No Asbestos Detected	
		Layer 02	compact fibrous material, tan/gray	No Asbestos Detected	
		Layer 03	mastic, brown	No Asbestos Detected	
25570.005-0043	Gypsum Wallboar Compound	d/Joint	Divine hall; outside room 300, white wallboard with white compound		Lab Cor
		Layer:	Description:	Analysis:	
		Layer 01	loose particulate, white	<1% Chrysotile	
		Layer 02	compact chalky material with paper, white	No Asbestos Detected	
25570.005-0044	Skimcoat		Divine hall; southeast entrance, exterior on covered walkway, white, sandy texture		Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	loose particulate, gray/black	No Asbestos Detected	
25570.005-0045	Covebase/Mastic (03)		Divine hall; room 300, 4" black covebase with yellow mastic and residual brown mastic		Lab Cor
		Layer:	Description:	Analysis:	
		Layer 01	rubbery material, black	No Asbestos Detected	
		Layer 02	loose mastic material, off- white/brown	No Asbestos Detected	
25570.005-0046	Putty Wrap		Divine hall; room 300, around window bottom panel & frame, black, sticky, window putty		Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	soft rubbery material, black	4% Chrysotile	
25570.005-0047	Mastic (03)		Divine hall; southeast equipment concrete, black mastic	storage room, on	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	loose particulate, black	3% Chrysotile	
25570.005-0048	Mastic (04)		Divine hall; outside room 302, be tile grid on wall, yellow mastic	hind metal lay-in ceiling	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	loose particulate, tan	No Asbestos Detected	
Bulk Sample Inventory Washington Department of Enterprise Serv

<u>Code</u>	<u>Material</u>		<u>Location</u>	<u>Results</u>	Lab
25570.005-0049	Duct Felt Tape		Divine hall; outside custodian ro behind corkboard yellow tape w	om in south hallway ⁄ith white mastic	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	loose flexible material, white/yellow	No Asbestos Detected	
25570.005-0050	Sink Undercoatin	g (01)	Divine hall; room 303, on stainle undercoating	ss sink, black sink	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	loose particulate, brown/black	3% Chrysotile	
25570.005-0051	Mudded Joint Fit	tings	Divine hall; outside room 302, o white, mudded hard fitting	n pipe at T-intersection,	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	loose fibers with powder, off- white/gray	No Asbestos Detected	
25570.005-0052	Mechanical Isolat	ion Cloth	Divine hall; outside room 302, b black, fibrous, mechanical isolati	etween HVAC ducting, ion cloth	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	thin flexible material, black	No Asbestos Detected	
25570.005-0053	Caulk (03)		Divine hall; courtyard, exterior o perimeter door frame, black/dar	f science lab, around 'k brown, rubbery caulking	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	soft rubbery material, gray	No Asbestos Detected	
25570.005-0054	Skimcoat		Divine hall; courtyard, exterior o soffit, white, sandy texture	utside science lab, on	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	loose particulate, gray	No Asbestos Detected	
25570.005-0055	Mudded Joint Fit	tings	Divine hall; hallway outside roor on pipe, large elbow, grayish/wł	n 306, above drop ceiling, nite hard fitting	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	loose fibrous powder, gray	No Asbestos Detected	
25570.005-0056	Mudded Joint Fit	tings	Divine hall; hallway outside roor on pipe, small elbow, grayish/wl	n 306, above drop ceiling, hite hard fitting	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	loose fibers with powder, off- white/gray	No Asbestos Detected	

<u>Code</u>	<u>Material</u>		<u>Location</u>	<u>Results</u>	<u>Lab</u>
25570.005-0057	Material Debris		Divine hall; hallway outside room on tiles, miscellaneous debris	306, above drop ceiling,	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	loose fibrous powder, off- white/brown	No Asbestos Detected	
25570.005-0058	Gypsum Wallboar Compound	d/Joint	Divine hall; south hallway, west e with white compound	nd, whitish/pink wallboard	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 01	fine compact powder, off-white	2% Chrysotile	
		Layer 02	compact chalky material with paper, off-white	No Asbestos Detected	
25570.005-0059	Mastic (05)		Divine hall; southwest entrance, u gray & yellow carpet mastic	inder carpet, on concrete,	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	soft mastic material, gray/tan	No Asbestos Detected	
25570.005-0060	Mastic (06)		Divine hall; science lab, under lar black, hard mastic	ge black countertops,	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	hard compact material, black	2% Chrysotile	
25570.005-0061	Mastic (07)		Divine hall; science lab, under lar caramel, hard mastic	ge black countertops,	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	mastic, tan	No Asbestos Detected	
25570.005-0062	Lab Counter Top		Divine hall; science lab, black lab	countertop	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	hard compact material, black/white	No Asbestos Detected	

LabCor Portland Lab/Cor Portland, Inc. 4321 South Corbett Ave., Ste A Portland, OR 97239

# **PLM - Visual Estimate Extended Final Report**

Job Number: 221084

**Reference No.:** 

Inc

Report Number: 221084R01 Report Date: 4/14/2022

**Client: PBS Engineering and Environmental** Address: 4412 S Corbett Avenue Portland, OR 97239 Project Name: Project No.: 25570.005 Phase 0001 PO Number: Sub Project:

Enclosed please find results for samples submitted to our laboratory. A list of samples and analyses follows:

Lab/Cor Sample	# Client Sample # and Description	Analysis	Analysis Notes	Date Received:
221084 - S1	25570.005-0001 -	PLM - Visual Estimate Extended		4/8/2022
221084 - S2	25570.005-0002 -	PLM - Visual Estimate Extended		4/8/2022
221084 - S3	25570.005-0003 -	PLM - Visual Estimate Extended		4/8/2022
221084 - S4	25570.005-0004 -	PLM - Visual Estimate Extended		4/8/2022
221084 - S5	25570.005-0005 -	PLM - Visual Estimate Extended		4/8/2022
221084 - S6	25570.005-0006 -	PLM - Visual Estimate Extended		4/8/2022
221084 - S7	25570.005-0007 -	PLM - Visual Estimate Extended		4/8/2022
221084 - S8	25570.005-0008 -	PLM - Visual Estimate Extended		4/8/2022
221084 - S9	25570.005-0009 -	PLM - Visual Estimate Extended		4/8/2022
221084 - S10	25570.005-0010 -	PLM - Visual Estimate Extended		4/8/2022
221084 - S11	25570.005-0011 -	PLM - Visual Estimate Extended		4/8/2022
221084 - S12	25570.005-0012 -	PLM - Visual Estimate Extended		4/8/2022
221084 - S13	25570.005-0013 -	PLM - Visual Estimate Extended		4/8/2022
221084 - S14	25570.005-0014 -	PLM - Visual Estimate Extended		4/8/2022
221084 - S15	25570.005-0015 -	PLM - Visual Estimate Extended		4/8/2022
221084 - S16	25570.005-0016 -	PLM - Visual Estimate Extended		4/8/2022
221084 - S17	25570.005-0017 -	PLM - Visual Estimate Extended		4/8/2022
221084 - S18	25570.005-0018 -	PLM - Visual Estimate Extended		4/8/2022
221084 - S19	25570.005-0019 -	PLM - Visual Estimate Extended		4/8/2022
221084 - S20	25570.005-0020 -	PLM - Visual Estimate Extended		4/8/2022
221084 - S21	25570.005-0021 -	PLM - Visual Estimate Extended		4/8/2022



LabCor Portland Lab/Cor Portland, Inc.

4321 South Corbett Ave., Ste A Portland, OR 97239

**Client: PBS Engineering and Environmental** 

# PLM - Visual Estimate Extended Final Report

#### Job Number: 221084

Inc

Report Number: 221084R01 Report Date: 4/14/2022

Project Name:			
221084 - S22	25570.005-0022 -	PLM - Visual Estimate Extended	4/8/2022
221084 - S23	25570.005-0023 -	PLM - Visual Estimate Extended	4/8/2022
221084 - S24	25570.005-0024 -	PLM - Visual Estimate Extended	4/8/2022
221084 - S25	25570.005-0025 -	PLM - Visual Estimate Extended	4/8/2022
221084 - S26	25570.005-0026 -	PLM - Visual Estimate Extended	4/8/2022
221084 - S27	25570.005-0027 -	PLM - Visual Estimate Extended	4/8/2022
221084 - S28	25570.005-0028 -	PLM - Visual Estimate Extended	4/8/2022
221084 - S29	25570.005-0029 -	PLM - Visual Estimate Extended	4/8/2022
221084 - S30	25570.005-0030 -	PLM - Visual Estimate Extended	4/8/2022
221084 - S31	25570.005-0031 -	PLM - Visual Estimate Extended	4/8/2022
221084 - S32	25570.005-0032 -	PLM - Visual Estimate Extended	4/8/2022
221084 - S33	25570.005-0033 -	PLM - Visual Estimate Extended	4/8/2022
221084 - S34	25570.005-0034 -	PLM - Visual Estimate Extended	4/8/2022
221084 - S35	25570.005-0035 -	PLM - Visual Estimate Extended	4/8/2022
221084 - S36	25570.005-0036 -	PLM - Visual Estimate Extended	4/8/2022
221084 - S37	25570.005-0037 -	PLM - Visual Estimate Extended	4/8/2022
221084 - S38	25570.005-0038 -	PLM - Visual Estimate Extended	4/8/2022
221084 - S39	25570.005-0039 -	PLM - Visual Estimate Extended	4/8/2022
221084 - S40	25570.005-0040 -	PLM - Visual Estimate Extended	4/8/2022
221084 - S41	25570.005-0041 -	PLM - Visual Estimate Extended	4/8/2022
221084 - S42	25570.005-0042 -	PLM - Visual Estimate Extended	4/8/2022
221084 - S43	25570.005-0043 -	PLM - Visual Estimate Extended	4/8/2022
221084 - S44	25570.005-0044 -	PLM - Visual Estimate Extended	4/8/2022
221084 - S45	25570.005-0045 -	PLM - Visual Estimate Extended	4/8/2022
221084 - S46	25570.005-0046 -	PLM - Visual Estimate Extended	4/8/2022
221084 - S47	25570.005-0047 -	PLM - Visual Estimate	4/8/2022



Extended

LabCor Portland Lab/Cor Portland, Inc.

4321 South Corbett Ave., Ste A Portland, OR 97239

**Client: PBS Engineering and Environmental** 

# PLM - Visual Estimate Extended Final Report

#### Job Number: 221084

Inc

Report Number: 221084R01 Report Date: 4/14/2022

Project Name:			
221084 - S48	25570.005-0048 -	PLM - Visual Estimate Extended	4/8/2022
221084 - S49	25570.005-0049 -	PLM - Visual Estimate Extended	4/8/2022
221084 - S50	25570.005-0050 -	PLM - Visual Estimate Extended	4/8/2022
221084 - S51	25570.005-0051 -	PLM - Visual Estimate Extended	4/8/2022
221084 - S52	25570.005-0052 -	PLM - Visual Estimate Extended	4/8/2022
221084 - S53	25570.005-0053 -	PLM - Visual Estimate Extended	4/8/2022
221084 - S54	25570.005-0054 -	PLM - Visual Estimate Extended	4/8/2022
221084 - S55	25570.005-0055 -	PLM - Visual Estimate Extended	4/8/2022
221084 - S56	25570.005-0056 -	PLM - Visual Estimate Extended	4/8/2022
221084 - S57	25570.005-0057 -	PLM - Visual Estimate Extended	4/8/2022
221084 - S58	25570.005-0058 -	PLM - Visual Estimate Extended	4/8/2022
221084 - S59	25570.005-0059 -	PLM - Visual Estimate Extended	4/8/2022
221084 - S60	25570.005-0060 -	PLM - Visual Estimate Extended	4/8/2022
221084 - S61	25570.005-0061 -	PLM - Visual Estimate Extended	4/8/2022
221084 - S62	25570.005-0062 -	PLM - Visual Estimate Extended	4/8/2022



## PLM - Visual Estimate Extended Final Report

#### Job Number: 221084

Proj

#### Report Number: 221084R01 Report Date: 4/14/2022

Clier	it: PBS Engineering	and Environmental
ject Nam	e:	

PLM - Visual The submitted sample(s) were analyzed according to the EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Estimate Extended Building Materials and EPA - 40CFR App. E to Subpart E of Part 763. The sample(s) were analyzed with a digital microscope in order to determine homogeneity, the presence of fibers, and make a preliminary estimate of any asbestos fibers present in the sample. The sample(s), and any observed layers, were then homogenized through techniques appropriate to that material and prepared for analysis by polarized light microscopy (PLM).

Three slide mount preparations were made from random subsamples of the homogenized material. This material was then mounted in the suitable refractive index liquid needed to perform a full optical characterization of the observed fibers. When necessary, dilute HCI, instead of RI liquids, were used to remove cementitious binders to facilitate analysis. The entirety of the slide mount preparations were then analyzed by PLM. Any observed fibers were reported and their optical characteristics recorded according to the EPA 600-R-93-116 method.

**Disclaimer** This report, and the data contained therein, cannot be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the U.S. Government. The results found in this report are based only on the submitted sample(s). LabCor has no control over sampling procedures. This report is only valid when signed by an analyst.

NAD is No Asbestos Detected. Asbestos consists of the six following minerals: chrysotile, amosite, crocidolite, anthophyllite, actinolite, and tremolite.

Additional gravimetric, point-count or TEM analysis may be recommended for samples testing at < or = 1% asbestos, or those with material binders that prevent the detection of small diameter fibers.

The following estimate of error for this method by visual estimation of asbestos percent are as follows: 1% asbestos: >0-3% error, 5% asbestos: 1-9% error, 10% asbestos: 5-15% error, 20% asbestos: 10-30% error.

Sincerely,

Min Gaines **Mia Gaines** 

Analyst



LabCor Portland Inc 4321 Sout	Cor Po	O <b>rtlan</b> Ave., Ste	<b>d, Inc</b>					Phone: (503) 22- www.labcorpdx.c	4-5055 om
Portland, o	OR 97239	9	B	ULK SAMP	PLE ASBEST	OS ANAL	YSIS		
Client: PBS Enginee 4412 S Corbe Portland, OR	ring and E ett Avenue 97239	Environmer 9	ital				Repo R	ort Number: 221 Report Date: 04/1	084R01 4/2022
Job Number: 22 Project Name: Project Number: 25 Project Notes:	2 <b>1084</b> 5570.005 I	Phase 000 <sup>-</sup>	1					<b>P.O. No:</b> n/a	
Client Sample ID: 2 Client Sample Descri Asbestos Mineral Fib	5570.005 ption: p <u>ers</u> F	- <b>0001</b> Layer Percent: C	hrysotile	Sample ID: Amosite	S1 Crocidolite		Date Analyzed: Analyst:	04/14/2022 Tim Cammann	Percent Asbestos:
hard granular mate green/gray, with co gray/red	rial, ating,	100 %	-	-	-				NAD
Other Fibers	Fibrous Glass -	Cellulose -	Mineral Wool -	Synthetic -		Other -	<u>-</u>	Ma 1(	ıtrix D0 %
Client Sample ID: 2 Client Sample Descri Asbestos Mineral Fib	5570.005 ption: <u>eers</u> ₽	-0002 Layer Percent: C	hrysotile	Sample ID: Amosite	S2 Crocidolite		Date Analyzed: Analyst:	04/14/2022 Tim Cammann	Percent Asbestos:
Homogeneous thin brittle material, with mastic, yellow	, gray, /clear	100 %	-	-	-				NAD
Other Fibers	Fibrous Glass -	Cellulose -	Mineral Wool -	Synthetic		Other -	-	Ma 1(	ıtrix D0 %
Client Sample ID: 2 Client Sample Descri Asbestos Mineral Fib	5570.005 ption: <u>eers</u> F	-0003 Layer Percent: C	hrysotile	Sample ID: Amosite	S3 Crocidolite		Date Analyzed: Analyst:	04/14/2022 Tim Cammann	Percent Asbestos:
Layer 01 hard compact power white/green	der,	92 %	-	-	-				NAD
Layer 02 mastic, tan <u>Other Fibers</u>	Fibrous Glass	8 %	- Mineral Wool	- Synthetic	-	Other			NAD
Layer 01 Layer 02	-	- -	-	- -		-	-	Ma 1( 1(	utrix D0 % D0 %

LabCor Portland Inc 4321 South Corbett Ave., Ste A	, BULK	SAMPLE AS	BESTOS	ANALYSIS	Phone: (503) 224 www.labcorpdx.co	l-5055 om
Poniand, OK 97239	Asbes	tos and Envir	onmental A	Analysis		
<u>Client:</u> PBS Engineering and Environmental 4412 S Corbett Avenue Portland, OR 97239				Repo F	ort Number: 2210 Report Date: 04/14	)84R01 I/2022
Job Number: 221084 Project Name: Project Number: 25570.005 Phase 0001 Project Notes:					<b>P.O. No:</b> n/a	
Client Sample ID: 25570.005-0004 Client Sample Description:	Sample ID:	S4		Date Analyzed: Analyst:	04/14/2022 Tim Cammann	
Asbestos Mineral Fibers Layer Percent: Chrysotile	Amosite	Crocidolite		,		Percent Asbestos:
Layer 01 rubbery material, brown 65 % -	-	-				NAD
Layer 02 mastic with coating, off- 35 % - white/tan/green	-	-				NAD
Other Fibers         Fibrous         Mineral           Glass         Cellulose         Wool	Synthetic		Other		Ma	rix
Layer 01         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -<	-		-	-	10 10	0 % 0 %
Client Sample ID: 25570.005-0005	Sample ID:	S5		Date Analyzed:	04/14/2022	
Client Sample Description: <u>Asbestos Mineral Fibers</u> Percent: Chrysotile	Amosite	Crocidolite		Analyst:	Tim Cammann	Percent Asbestos:
Layer 01 coating, white/green 12 % - Layer 02	-	-				NAD
compact chalky material 88 % - with paper, white	-	-				NAD
Other Fibers         Fibrous         Mineral           Glass         Cellulose         Wool	Synthetic		Other		Mat	rix
Layer 01         -         5 %         -           Layer 02         Trace         3 %         -	-		-	-	9: 9:	5 % 7 %
Client Sample ID: 25570.005-0006 Client Sample Description:	Sample ID:	S6		Date Analyzed: Analyst:	04/14/2022 Tim Cammann	Dereent
Homogeneous	Amosite	Crocidolite				Asbestos:
hard granular material, 100 % - green/tan/red	-	-				NAD
Other FibersFibrousMineralGlassCelluloseWool	Synthetic		Other		Mat	rix



LabCor Portland 4321 Sor	Cor Po uth Corbett	O <b>rtland</b> Ave., Ste A	d, Inc	. BULK	SAMPLE AS	BESTOS	ANALYSIS	Phone: (503) 22 www.labcorpdx.c	24-5055 com
Portland	, OR 97239	Э		Asbes	tos and Envir	onmental	Analysis		
Client: PBS Engine 4412 S Cort Portland, OF	eering and E bett Avenue R 97239	Environmen	tal				Repo	ort Number: 221 Report Date: 04/1	084R01 4/2022
Job Number:	221084							<b>P.O. No:</b> n/a	
Project Name:									
Project Number: 2 Project Notes:	25570.005 I	Phase 0001							
Client Sample ID:	25570.005	-0007		Sample ID:	S7		Date Analyzed:	04/14/2022	
Client Sample Desc	ription:						Analyst:	Tim Cammann	
Asbestos Mineral Fi	<u>ibers</u> F	Layer Percent: C	hrysotile	Amosite	Crocidolite				Percent Asbestos:
hard compact ma white/yellow	terial,	40 %	-	-	-				NAD
Layer 02									
mastic material, yellow/tan		60 %	-	-	-				NAD
Other Fibers	Fibrous	0	Mineral	O with a the		Othor			
Lavor 01	Glass	Cellulose	<b>VV</b> 001	Synthetic		Other		Ma	atrix
Layer 02	-	Trace	-	-		-	-	1	00 %
Client Sample ID:	25570.005	-0008		Sample ID:	S8		Date Analyzed:	04/14/2022	
Client Sample Desc	ription:			-			Analyst:	Tim Cammann	
Asbestos Mineral F	<u>ibers</u> P	Layer Percent: C	hrysotile	Amosite	Crocidolite				Percent Asbestos:
Homogeneous granular compact powder, gray, with white/blue/green	h paint,	100 %	-	-	-				NAD
Other Fibers	Fibrous		Mineral			Other			
	Glass	Cellulose	VV 001	Synthetic		Other		Ma	atrix
	-	-	-	-		-			00 /8
Client Sample ID:	25570.005 rintion	-0009		Sample ID:	59		Date Analyzed:	04/14/2022 Tim Cammann	
Asbestos Mineral Fi	ibers	Laver					Anaiysi.		Percent
	F	Percent: C	hrysotile	Amosite	Crocidolite				Asbestos:
Layer 01									
loose granular po gray Laver 02	wder,	50 %	-	-	-				NAD
loose granular po red	wder,	50 %	-	-	-				NAD
Other Fibers	Fibrous Glass	Cellulose	Mineral Wool	Synthetic		Other		M	atrix
Layer 01	-	-	-	-		-	-	1	00 %
Layer 02	-	-	-	-		-	-	1	00 %



AbCor Cortland 4321 South Corbett Ave., Ste A	C. BULK	SAMPLE AS	BESTOS	ANALYSIS	Phone: (503 www.labcorp	) 224-5055 dx.com
Portland, OR 97239	Asbes	tos and Envir	onmental	Analysis		
lient: PBS Engineering and Environmental 4412 S Corbett Avenue Portland, OR 97239				Rep F	ort Number: 2 Report Date: (	221084R01 )4/14/2022
Job Number: 221084					P.O. No: r	n/a
Project Name: roject Number: 25570.005 Phase 0001						
Project Notes:						
Client Sample ID: 25570.005-0010	Sample ID:	S10		Date Analyzed:	04/14/2022	
lient Sample Description:				Analyst:	Tim Camma	nn Davaant
Aspestos Mineral Fibers Layer Percent: Chrysotile	Amosite	Crocidolite				Asbestos:
lomogeneous						
loose granular powder, 100 % - gray/tan	-	-				NAD
<u>Dther Fibers</u> Fibrous Minera			Other			
	Synthetic		-	-		Matrix 100 %
lient Sample ID: 25570.005-0011	Sample ID:	S11		Date Analyzed:	04/14/2022	
lient Sample Description:				Analyst:	Mia Gaines	
Asbestos Mineral Fibers Layer Percent: Chrysotile	e Amosite	Crocidolite				Percent Asbestos:
lomogeneous						
compact flexible 100 % 4 % material, gray with coating, off-white/gray	-	-				4 %
<b>Other Fibers</b> Fibrous Minera	I					
Glass Cellulose Wool	Synthetic		Other			Matrix
	-	Talc	Trace	-		96 %
lient Sample ID: 25570.005-0012	Sample ID:	S12		Date Analyzed:	04/14/2022	
lient Sample Description:				Analyst:	Mia Gaines	
Asbestos Mineral Fibers Layer Percent: Chrysotile	Amosite	Crocidolite				Percent Asbestos:
lomogeneous						
loose fibrous material, 100 % - brown	-	-				NAC
<u>Other Fibers</u> Fibrous Minera	 Oursetheast's		Othor			
	Synthetic		-	_		Matrix
liant Comple ID: 05570 005 0010	Commission	010		Data Analyzada	04/14/0000	0 /0
lient Sample ID: 25570.005-0013	Sample ID:	513		Date Analyzeu: Analyst:	04/14/2022 Mia Gaines	
sbestos Mineral Fibers Layer Percent: Chrysotile	e Amosite	Crocidolite		Anaryst.		Percent Asbestos
lomogeneous						
compact fibrous 100 % 4 % material, gray	-	-				4 %
<u>)ther Fibers</u> Fibrous Minera	I					
Glass Cellulose Wool - 1 % -	Synthetic -		Other -	-		Matrix 95 %



LabCor Portland Inc	Cor Po	ortland Ave., Ste	d, Inc	BULK	SAMPLE AS	BESTOS	ANALYSIS	Phone: (503 www.labcorp	) 224-5055 dx.com
Portland	d, OR 9723	9		Asbes	tos and Envir	onmental	Analysis		
Client: PBS Engin 4412 S Co Portland, C	eering and E rbett Avenue DR 97239	Environmen e	ital				Repo F	ort Number: ; Report Date:	221084R01 04/14/2022
Job Number: Project Name: Project Number: Project Notes:	<b>221084</b> 25570.005	Phase 000 <sup>-</sup>	1					P.O. No:	n/a
Client Sample ID:	25570.005	-0014		Sample ID:	S14		Date Analyzed:	04/14/2022	
Client Sample Dese	cription:						Analyst:	Mia Gaines	
Asbestos Mineral I	Fibers F	Layer Percent: C	hrysotile	Amosite	Crocidolite				Percent Asbestos:
Homogeneous compact flexible material, gray		100 %	2 %	-	-				2 %
Other Fibers	Fibrous Glass -	Cellulose -	Mineral Wool -	Synthetic		Other -	-		Matrix 98 %
Client Sample ID:	25570.005	-0015		Sample ID:	S15		Date Analyzed:	04/14/2022	
Client Sample Dese	cription:						Analyst:	Mia Gaines	
Asbestos Mineral I	Fibers F	Layer Percent: C	hrysotile	Amosite	Crocidolite				Percent Asbestos:
Layer 01									
hard vinyl, off-wł Laver 02	nite/tan	85 %	Trace	-	-				< 1 %
mastic, black		15 %	3 %	-	-				3 %
Other Fibers	Fibrous Glass	Cellulose	Mineral Wool	Synthetic		Other			Matrix
Layer 01	-	-	-	-		-	-		100 %
Layer 02	-	2 %	-	1 %		-	-		94 %
Client Sample ID: Client Sample Desc	25570.005	-0016		Sample ID:	S16		Date Analyzed: Analyst:	04/14/2022 Mia Gaines	
Asbestos Mineral I	Fibers F	Layer Percent: C	hrysotile	Amosite	Crocidolite		,		Percent Asbestos:
Layer 01 rubbery material	, brown	70 %	-	-	-				NAD
Layer 02		30 %	_	-	-				NAD
Other Fibers	Fibrous		Mineral	- Oursetherestic	-	Other			NAU
L avra # 01	Glass	Cellulose	VV 001	Synthetic		Other			Matrix
Layer 01 Laver 02	-	- Trace	-	-	Talo	- 2%	-		98 %
Layer UZ	-	nace	-	-	ialu	∠ /o	-		JU /0



LabCor Portland Inc 4321 South Corbett Ave., Ste A Portland OB 97239	BULK	SAMPLE AS	BESTOS	ANALYSIS	Phone: (503 www.labcorp	) 224-5055 dx.com
i onalid, ori orzoo	Asbes	tos and Envir	onmental	Analysis		
Client: PBS Engineering and Environmental 4412 S Corbett Avenue Portland, OR 97239				Repo F	ort Number: 2	221084R01 )4/14/2022
Job Number: 221084 Project Name:					P.O. No: 1	n/a
Project Number: 25570.005 Phase 0001 Project Notes:						
Client Sample ID: 25570.005-0017 Client Sample Description: Asbestos Mineral Fibers Percent: Chrysotile	Sample ID:	S17		Date Analyzed: Analyst:	04/14/2022 Mia Gaines	Percent
Laver 01	Amosite	Orocidonie				Asbesios.
hard compact powder, 5 % Trace white with paint, gray	-	-				< 1 %
compact chalky material 95 % - with paper, white	-	-				NAD
Other Fibers         Fibrous         Mineral           Glass         Cellulose         Wool	Synthetic		Other			Matrix
Layer 01         -         -         -           Layer 02         1 %         2 %         -	-		-	-		100 % 97 %
Client Sample ID: 25570.005-0018 Client Sample Description:	Sample ID:	S18		Date Analyzed: Analyst:	04/14/2022 Mia Gaines	
Asbestos Mineral Fibers Layer Percent: Chrysotile	Amosite	Crocidolite				Percent Asbestos:
Layer 01 rubbery material, black 60 % -	-	-				NAD
mastic off-white/vellow 40 % -	-	_				ΝΔΠ
<u>Other Fibers</u> Glass Cellulose Wool	Synthetic		Other			Matrix
Layer 01 Layer 02	-		-	-		100 % 100 %
Client Sample ID: 25570.005-0019 Client Sample Description:	Sample ID:	S19		Date Analyzed: Analyst:	04/14/2022 Mia Gaines	
Asbestos Mineral Fibers Layer Percent: Chrysotile	Amosite	Crocidolite		·		Percent Asbestos:
Homogeneous mastic material, gray/tan 100 % -	-	-				NAD
Other Fibers         Fibrous         Mineral           Glass         Cellulose         Wool	Synthetic		Other			Matrix

LabCor Portland 4321 Sou	Cor Po uth Corbett	ortland Ave., Ste	d, Inc	BULK	SAMPLE AS	BESTOS	ANALYSIS	Phone: (503) 2 www.labcorpdx	224-5055 com
Portland,	OR 9723	9		Asbes	tos and Envir	onmental	Analysis		
Client: PBS Engine 4412 S Corb Portland, OF	ering and E bett Avenue ? 97239	Environmen e	tal				Repo F	ort Number: 22 Report Date: 04	21084R01 /14/2022
Job Number: 2	21084							<b>P.O. No:</b> n/a	a
Project Name:	21004								
Project Number: 2	5570.005	Phase 000 <sup>-</sup>	1						
Project Notes:									
Client Sample ID:	25570.005	-0020		Sample ID:	S20		Date Analyzed:	04/14/2022	
Client Sample Descr	iption:						Analyst:	Mia Gaines	
Asbestos Mineral Fi	<u>bers</u> F	Layer Percent: C	hrysotile	Amosite	Crocidolite				Percent Asbestos:
Homogeneous	torial	100 %							
off-white/red	lenai,	100 %	-	-	-				NAD
Other Fibers	Fibrous Glass	Cellulose	Mineral Wool	Synthetic		Other		Ν	<i>M</i> atrix
	-	-	-	-		-	-		100 %
Client Sample ID:	25570.005	-0021		Sample ID:	S21		Date Analyzed:	04/14/2022	
Client Sample Descr	iption:						Analyst:	Tim Cammanı	ו
Asbestos Mineral Fi	<u>bers</u> F	Layer Percent: C	hrysotile	Amosite	Crocidolite				Percent Asbestos:
Layer 01		= 0/							
mastic, tan/clear		5%	-	-	-				NAD
vinul tan		92 %			_				ΝΔΠ
l aver 03		32 /0							NAD
mastic. black		3 %	2 %	-	-				2 %
Other Fibers	Fibrous		Mineral						
	Glass	Cellulose	Wool	Synthetic		Other		Ν	<i>I</i> atrix
Layer 01	-	Trace	-	-		-	-		100 %
Layer 02	-	-	-	-		-	-		100 %
Layer 03	-	-	-	-		-	-		98 %
Client Sample ID:	25570.005	-0022		Sample ID:	S22		Date Analyzed:	04/14/2022	
Client Sample Descr	iption:						Analyst:	Tim Cammani	י ב
Asbestos Mineral Fi	<u>bers</u> F	Layer Percent: C	hrysotile	Amosite	Crocidolite				Percent Asbestos:
Layer 01									
coating, white		5 %	-	-	-				NAD
fibrous material to	an/aray	95 %	_						
Other Eihere	Fibrous	90 %	- Minoral	-	-				NAU
	Glass	Cellulose	Wool	Synthetic		Other		Ν	<i>l</i> atrix
Layer 01	-	-	-	-		-	-		100 %
Layer 02	-	25 %	55 %	-		-	-		20 %



LabCor Portland 4321 Sout	d, Inc	BULK	SAMPLE AS	BESTOS	ESTOS ANALYSIS Phone: (503) 224-5055 www.labcorpdx.com				
Portland, (	OR 9723	19		Asbes	tos and Envir	onmental	Analysis		
Client: PBS Enginee 4412 S Corbe Portland, OR	ring and ett Avenue 97239	Environmen e	ital				Rep F	ort Number: 2210 Report Date: 04/14	084R01 4/2022
Job Number: 22	21084							<b>P.O. No:</b> n/a	
Project Name: Project Number: 25 Project Notes:	5570.005	Phase 000 <sup>-</sup>	1						
Client Sample ID: 2	5570.005	5-0023		Sample ID:	S23		Date Analyzed:	04/14/2022	
Client Sample Descrip Asbestos Mineral Fib	ption: pers	Layer Percent: C	hrysotile	Amosite	Crocidolite		Analyst:	Tim Cammann	Percent Asbestos:
Layer 01 compact fibrous po tan	wder,	60 %	-	-	-				NAD
Layer 02 loose mastic, brown/black		40 %	-	-	-				NAD
Other Fibers	Fibrous Glass	cellulose	Mineral Wool	Synthetic		Other		Ма	trix
Layer 01 Layer 02	-	Trace Trace	75 % Trace	-		-	-	2 1(	5 % )0 %
Client Sample ID: 2	5570.005	5-0024		Sample ID:	S24		Date Analyzed:	04/14/2022 Tim Cammann	
Asbestos Mineral Fib	<u>ers</u>	Layer Percent: C	hrysotile	Amosite	Crocidolite		Anaryst.	nin Ganinain	Percent Asbestos:
Homogeneous compact powdery material, gray		100 %	-	-	-				NAD
Other Fibers	Fibrous Glass -	Cellulose 5 %	Mineral Wool 5 %	Synthetic		Other -	-	Ma 9	trix 0 %
Client Sample ID: 2	5570.005	5-0025		Sample ID:	S25		Date Analyzed: Analyst:	04/14/2022 Tim Cammann	
Asbestos Mineral Fib	<u>ers</u>	Layer Percent: C	hrysotile	Amosite	Crocidolite		· · · · · <b>,</b> · · ·		Percent Asbestos:
Homogeneous loose particulate, black/brown		100 %	2 %	-	-				2 %
Other Fibers	Fibrous Glass -	Cellulose 2 %	Mineral Wool -	Synthetic		Other -	-	Ma 9	trix 6 %
Client Sample ID: 2 Client Sample Descri Asbestos Mineral Fib	5570.005 ption: <u>pers</u>	5-0026 Layer	hrysotile	Sample ID:	S26		Date Analyzed: Analyst:	04/14/2022 Tim Cammann	Percent
Homogeneous		i cicent. O	, a yound	AIIIUSILE	Crocidonie				A3053105;
loose mastic, tan Other Fibers	Fibrous	100 % s	- Mineral	-	-				NAD
	Glass -	Cellulose 2 %	Wool -	Synthetic		Other -	-	Ma 9	trix 8 %

<b>Lab/Cor Portland, Inc</b> 4321 South Corbett Ave., Ste A Portland, OR 97239			. BULK	BULK SAMPLE ASBESTOS ANALYSIS Phone: ( www.labc					
Portland, 0	OR 97239	)		Asbes	tos and Envir	onmental	Analysis		
Client: PBS Enginee 4412 S Corbe Portland, OR	ring and E ett Avenue 97239	invironme	ental				Repo F	ort Number: 2210 Report Date: 04/1	084R01 4/2022
Job Number: 22	21084							<b>P.O. No:</b> n/a	
Project Name: Project Number: 25 Project Notes:	5570.005 F	hase 000	01						
Client Sample ID: 2	5570.005-	0027		Sample ID:	S27		Date Analyzed:	04/14/2022	
<b>Client Sample Descri</b>	ption:						Analyst:	Tim Cammann	
Asbestos Mineral Fib	b <u>ers</u> I P	Layer ercent:	Chrysotile	Amosite	Crocidolite				Percent Asbestos:
Layer 01									
vinyl, tan/off-white		75 %	-	-	-				NAD
Layer 02									
mastic with powder tan/off-white/gray	r,	25 %	-	-	-				NAD
Other Fibers	Fibrous Glass	Cellulos	Mineral e Wool	Synthetic		Other		Ма	trix
Layer 01	-	-	-	-		-	-	1(	00 %
Layer 02	Trace	3 %	-	-		-	-	9	7 %
Client Sample ID: 2	5570.005-	0028		Sample ID:	S28		Date Analyzed:	04/14/2022	
Client Sample Descri	ption:						Analyst:	Tim Cammann	
Asbestos Mineral Fib	p <u>ers</u> I P	Layer ercent:	Chrysotile	Amosite	Crocidolite				Percent Asbestos:
Homogeneous									
soft rubbery materi black	al,	100 %	3 %	-	-				3 %
Other Fibers	Fibrous		Mineral			0.1			
	Glass	Cellulos	e Wool	Synthetic		Other		Ma	trix
	-	Trace	-	3 %		-	-	9	4 %
Client Sample ID: 2	5570.005-	0029		Sample ID:	S29		Date Analyzed:	04/14/2022	
Client Sample Descri	ption:						Analyst:	Tim Cammann	
Asbestos Mineral Fib	p <u>ers</u> I P	Layer ercent:	Chrysotile	Amosite	Crocidolite				Percent Asbestos:
Homogeneous									
soft rubbery materi dark gray	al,	100 %	-	-	-				NAD
Other Fibers	Fibrous Glass	Cellulos	Mineral e Wool	Synthetic		Other		Ма	trix
	-	-	-	-		-	-	10	00 %



LabCor Portland Inc	D/Cor Portland, Inc. BULK SAMPLE ASBESTOS ANALYSIS South Corbett Ave., Ste A nd, OR 97239				ANALYSIS	Phone: (503) 224-5055 www.labcorpdx.com			
Portland,	OR 9/239			Asbes	tos and Envir	onmental 2	Analysis		
Client: PBS Enginee 4412 S Corb Portland, OR	ering and En ett Avenue 8 97239	vironment	al				Repo F	ort Number: 2210 Report Date: 04/14	)84R01 I/2022
Job Number: 2 Project Name: Project Number: 2 Project Notes:	<b>21084</b> 5570.005 Ph	ase 0001						<b>P.O. No:</b> n/a	
Client Sample ID: 2	25570.005-0	030		Sample ID:	S30		Date Analyzed:	04/14/2022	
Client Sample Descri <u>Asbestos Mineral Fil</u>	<b>iption:</b> bers La Per	ayer rcent: Ch	nrysotile	Amosite	Crocidolite		Analyst:	Tim Cammann	Percent Asbestos:
Layer 01		/							
rubbery material, t	prown 8	55 %	-	-	-				NAD
mastic, brown	1	5 %	-	-	-				NAD
Other Fibers	Fibrous Glass (	Cellulose	Mineral Wool	Synthetic		Other		Mat	rix
Layer 01 Layer 02	-	-	-	-		-	-	10 10	0 % 0 %
Client Sample ID: 2	25570.005-0	031		Sample ID:	S31		Date Analyzed:	04/14/2022	
Client Sample Descri	iption:						Analyst:	Tim Cammann	<b>.</b> .
Aspestos Mineral Fil	<u>bers</u> La Per	iyer rcent: Ch	nrysotile	Amosite	Crocidolite				Percent Asbestos:
mastic, orange/cle	ar	4 %	-	-	-				NAD
vinyl, tan/brown	8	36 %	-	-	-				NAD
mastic, black	1	0 %	4 %	-	-				4 %
Other Fibers	Fibrous Glass (	Cellulose	Mineral Wool	Synthetic		Other		Mat	rix
Layer 01	-	Trace	-	-		-	-	10	0 %
Layer 02	-	-	-	-		-	-	10	0 %
Layer 03	-	Trace	-	-		-	-	90	5 %
Client Sample ID: 2 Client Sample Descri	25570.005-00 iption:	032		Sample ID:	S32		Date Analyzed: Analyst:	04/14/2022 Tim Cammann	
Asbestos Mineral Fil	b <b>ers</b> La Per	ayer rcent: Ch	nrysotile	Amosite	Crocidolite				Percent Asbestos:
Homogeneous		0.04							
loose mastic, tan/o	Drange 10	JU %	- Minaral	-	-				NAD
Uther Fibers	Glass (	Cellulose	Wool	Synthetic		Other		Mat	rix
	-	Irace	-	Irace		-	-	10	0%



LabCor Lab/ Portland 4321 Sc	Cor P	ortland	d, Inc	BULK	SAMPLE AS	BESTOS	ANALYSIS	Phone: (503) 224 www.labcorpdx.co	I-5055 om
Portland	d, OR 9723	19		Asbest	tos and Envir	onmental	Analysis		
Client: PBS Engine 4412 S Cor Portland, C	eering and bett Avenu R 97239	Environmen e	tal				Repo F	ort Number: 2210 Report Date: 04/14	)84R01 4/2022
Job Number: Project Name: Project Number: Project Notes:	<b>221084</b> 25570.005	Phase 0001	l					<b>P.O. No:</b> n/a	
Client Sample ID:	25570.005	5-0033		Sample ID:	S33		Date Analyzed:	04/14/2022	
Client Sample Desc Asbestos Mineral F	ription: Tibers	Layer Percent: C	hrvsotile	Amosite	Crocidolite		Analyst:	Tim Cammann	Percent
Laver 01			in yootilo	Amosite	Orocidonic				A3003103.
fine compact pow white	vder,	10 %	-	-	-				NAD
Layer 02									
compact chalky with paper, off-w	material hite	90 %	-	-	-				NAD
Other Fibers	Fibrous Glass	cellulose	Mineral Wool	Synthetic		Other		Mat	trix
Layer 01	-	2 %	-	-		-	-	98	8 %
Layer 02	Trace	2 %	-	-		-	-	98	8 %
Client Sample ID:	25570.005	5-0034		Sample ID:	S34		Date Analyzed:	04/14/2022	
Ashestos Mineral F	ription:	Lavor					Analyst:	Tim Cammann	Percent
	TDers	Percent: C	hrysotile	Amosite	Crocidolite				Asbestos:
loose particulate white	, off-	100 %	-	-	-				NAD
Other Fibers	Fibrous Glass -	Cellulose Trace	Mineral Wool -	Synthetic		Other -	-	Mat 10	trix 0 %
Client Sample ID:	25570.005	5-0035		Sample ID:	S35		Date Analyzed:	04/14/2022	
Client Sample Desc	cription:						Analyst:	Tim Cammann	_
Asbestos Mineral F	ibers	Layer Percent: C	hrysotile	Amosite	Crocidolite				Percent Asbestos:
mastic, orange/c	lear	6 %	-	-	-				NAD
Layer 02		-							
vinyl, tan		74 %	-	-	-				NAD
mastic. black		20 %	4 %	-	-				4 %
Other Fibers	Fibrous Glass	Cellulose	Mineral Wool	Synthetic		Other		Mat	rix
Layer 01	-	Trace	-	-		-	-	10	0 %
Layer 02	-	-	-	-		-	-	10	0 %
Layer 03	-	2 %	-	Trace		-	-	94	4 %

LabCor Portland Inc	Cor Po	O <b>rtland</b> Ave., Ste A	d, Inc	BULK	SAMPLE AS	BESTOS	ANALYSIS	Phone: (503) 22 www.labcorpdx.c	24-5055 com
Portland, (	OR 9723	9		Asbes	tos and Envir	onmental	Analysis		
Client: PBS Enginee 4412 S Corbe Portland, OR	ring and E ett Avenue 97239	Environmen	tal				Repo F	ort Number: 221 Report Date: 04/1	084R01 4/2022
Job Number: 22	21084							<b>P.O. No:</b> n/a	
Project Name:									
Project Number: 25 Project Notes:	570.005	Phase 0001	l						
Client Sample ID: 2	5570.005 <sup>,</sup>	-0036		Sample ID:	S36		Date Analyzed:	04/14/2022	
Client Sample Descri	ption:						Analyst:	Tim Cammann	
Asbestos Mineral Fib	ers F	Layer Percent: C	hrysotile	Amosite	Crocidolite				Percent Asbestos:
Homogeneous		100 0/	0.04						• •/
loose particulate, black/brown		100 %	2%	-	-				2 %
Other Fibers	Fibrous Glass	Cellulose	Mineral Wool	Synthetic		Other			- <b>4</b>
	-	Trace	-	-		-	-		atrix 98 %
Client Sample ID: 2	5570.005	-0037		Sample ID:	S37		Date Analyzed:	04/14/2022	
Client Sample Descri	ption:						Analyst:	Tim Cammann	
Asbestos Mineral Fib	ers	Layer	hrveotile	Amosito	Crocidalita				Percent
Laver 01		creent. O	in yootile	Amosile	Orocidonie				ASDESIUS.
coating, white		6 %	-	-	-				NAD
Layer 02									
compressed fibrous material, tan/gray	8	94 %	-	-	-				NAD
Other Fibers	Fibrous		Mineral			Others			
Lever 01	Glass	Cellulose	VVOOI	Synthetic		Other		Ma	atrix
Layer 01 Laver 02	-	- 45 %	- 45 %	-		-	-	I	00 % 10 %
Oliant Cample ID: 0	FF70 00F	0000	,.	Commis ID:	600		Data Analyzada	04/14/2022	
Client Sample ID: 2	oo70.000 ption:	-0038		Sample ID:	330		Analyst:	Tim Cammann	
Asbestos Mineral Fib	b <mark>ers</mark> F	Layer Percent: C	hrysotile	Amosite	Crocidolite				Percent Asbestos:
Layer 01									
granular compact powder, red		85 %	-	-	-				NAD
Layer 02									
granular compact powder, gray		15 %	-	-	-				NAD
Other Fibers	Fibrous Glass	Cellulose	Mineral Wool	Synthetic		Other		N 4.	atrix
Laver 01	-	-	-	-		-	_	Ma 1	auix 00 %
Layer 02	-	-	-	-		-	-	1	00 %



LabCor Portland Inc	<b>Lab/Cor Portland, Ind</b> 4321 South Corbett Ave., Ste A Portland, OR 97239	n <b>d, Inc</b>	, BULK	SAMPLE AS	BESTOS	ANALYSIS	Phone: (503) 224 www.labcorpdx.cd	4-5055 om		
	Portland	d, OR 9723	39		Asbes	tos and Envir	ronmental	Analysis		
Client: F	PBS Engin 1412 S Col Portland, C	eering and rbett Avenu )R 97239	Environm Ie	ental				Rep <sup>.</sup> F	ort Number: 2210 Report Date: 04/14	084R01 4/2022
Job N Project Project Nu Project	lumber: t Name: imber: t Notes:	<b>221084</b> 25570.005	Phase 00	001					<b>P.O. No:</b> n/a	
Client Sar Client Sar	mple ID: mple Desc	25570.00 cription:	5-0039		Sample ID:	S39		Date Analyzed: Analyst:	04/14/2022 Tim Cammann	
<u>Asbestos</u>	Mineral I	-ibers	Layer Percent:	Chrysotile	Amosite	Crocidolite				Percent Asbestos:
Homoger soft ru black/o	<b>neous</b> Ibbery mat dark browr	erial, 1	100 %	-	-	-				NAD
Other Fib	<u>bers</u>	Fibrous Glass -	s Cellulo: -	Mineral se Wool -	Synthetic -		Other -	-	Ma 1(	trix )0 %
Client Sar Client Sar Asbestos	mple ID: mple Desc Mineral I	25570.00 cription: <u>Fibers</u>	5-0040 Layer	Chrysotile	Sample ID:	S40		Date Analyzed: Analyst:	04/14/2022 Tim Cammann	Percent
Homoger loose f white	neous fibrous pov	wder, off-	100 %	-	-	-				NAD
Other Fib	<u>oers</u>	Fibrous Glass -	s Cellulos 5 %	Mineral se Wool 20 %	Synthetic -		Other -	-	Ma 7	trix 5 %
<u>Client Sar</u> Client Sar	mple ID: mple Desc	25570.00 cription:	5-0041		Sample ID:	S41		Date Analyzed: Analyst:	04/13/2022 Tim Cammann	
Asbestos	Mineral I	-ibers	Layer Percent:	Chrysotile	Amosite	Crocidolite				Percent Asbestos:
loose f particu	fibers with late, gray/	off-white	100 %	4 %	-	-				4 %
Other Fib	<u>bers</u>	Fibrou: Glass	s Cellulo:	Mineral se Wool	Synthetic		Other		Ма	trix
		10 %	25 %	Trace	-		-	-	6	1 %

<b>Lab/Cor Portland, Ir</b> 4321 South Corbett Ave., Ste A Portland, OR 97239				BULK	SAMPLE AS	BESTOS	STOS ANALYSIS Phone: (503) 224-5055 www.labcorpdx.com			
Portland, (	OR 9723	9		Asbes	tos and Envir	onmental	Analysis			
Client: PBS Enginee 4412 S Corbe Portland, OR	ring and I ett Avenue 97239	Environmer e	tal				Rep F	ort Number: 2210 Report Date: 04/14	084R01 1/2022	
Job Number: 22 Project Name: Project Number: 25 Project Notes:	2 <b>1084</b> 570.005	Phase 000 <sup>-</sup>	1					<b>P.O. No:</b> n/a		
Client Sample ID: 2	5570.005	-0042		Sample ID:	S42		Date Analyzed:	04/13/2022		
Client Sample Descrij Asbestos Mineral Fib	otion: ers	Layer Percent: C	hrysotile	Amosite	Crocidolite		Analyst:	Tim Cammann	Percent Asbestos:	
Layer 01 coating, off-white/ta	an	6 %	-	-	-				NAD	
compact fibrous material, tan/gray		74 %	-	-	-				NAD	
Layer 03		00.9/							NAD	
Other Fibers	Fibrous	20 %	- Mineral	-	-	Other			NAD	
Layer 01	Glass -	Cellulose	- -	Synthetic -		-	-	Mat 10	rix 0 %	
Layer 02 Layer 03	-	20 % Trace	50 % Trace	-		-	-	30 10	) % 0 %	
Client Sample ID: 2 Client Sample Description	5570.005 otion:	-0043		Sample ID:	S43		Date Analyzed: Analyst:	04/14/2022 Tim Cammann		
Asbestos Mineral Fib	ers F	Layer Percent: C	hrysotile	Amosite	Crocidolite				Percent Asbestos:	
Layer 01 loose particulate, w	hite	4 %	Trace	-	-				< 1 %	
compact chalky ma with paper, white	terial	96 %	-	-	-				NAD	
Other Fibers	Fibrous Glass	Cellulose	Mineral Wool	Synthetic		Other		Mat	rix	
Layer 01 Layer 02	-	3 % 3 %	-	-		-	-	97 97	7 % 7 %	
Client Sample ID: 2 Client Sample Descrip	5570.005 ption:	i-0044		Sample ID:	S44		Date Analyzed: Analyst:	04/14/2022 Tim Cammann		
Asbestos Mineral Fib	ers F	Layer Percent: C	hrysotile	Amosite	Crocidolite				Percent Asbestos:	
Homogeneous loose particulate, gray/black		100 %	-	-	-				NAD	
Other Fibers	Fibrous Glass -	Cellulose Trace	Mineral Wool -	Synthetic -		Other -	-	Mat 10	rix 0 %	



LabCor Portland 4321 South Corbett Ave., Ste A	<b>nc.</b> Bulk San	IPLE ASBESTOS	ANALYSIS	Phone: (503) 224- www.labcorpdx.con	5055 า
Portland, OR 97239	Asbestos a	nd Environmental	Analysis		
<u>Client:</u> PBS Engineering and Environmental 4412 S Corbett Avenue Portland, OR 97239			Repc R	ort Number: 22108 eport Date: 04/14/2	4R01 2022
Job Number: 221084				<b>P.O. No:</b> n/a	
Project Name: Project Number: 25570.005 Phase 0001 Project Notes:					
Client Sample ID: 25570.005-0045	Sample ID: S45		Date Analyzed:	04/14/2022	
Client Sample Description: <u>Asbestos Mineral Fibers</u> Layer Percent: Chrysc	tile Amosite Ci	rocidolite	Analyst:	Tim Cammann	Percent Asbestos:
Layer 01 rubbery material, black 45 % -	-	-			NAD
loose mastic material, 55 % - off-white/brown	-	-			NAD
<u>Other Fibers</u> Glass Cellulose Wo	eral ool Svnthetic	Other		Matri	¥
Layer 01 Layer 02 - 2 %		-	-	100 98	% %
Client Sample ID: 25570.005-0046 Client Sample Description:	Sample ID: S46		Date Analyzed: Analyst:	04/14/2022 Tim Cammann	_
Asbestos Mineral Fibers Layer Percent: Chrysc	tile Amosite Ci	rocidolite			Percent Asbestos:
Homogeneous soft rubbery material, 100 % 4 % black	. <u>-</u>	-			4 %
Other Fibers Fibrous Mine Glass Cellulose Wo	eral ool Synthetic 	Other -	-	Matri 96	x %
Client Sample ID: 25570.005-0047 Client Sample Description:	Sample ID: S47		Date Analyzed: Analyst:	04/14/2022 Tim Cammann	
Asbestos Mineral Fibers Layer Percent: Chrysc	tile Amosite Ci	rocidolite			Percent Asbestos:
loose particulate, black 100 % 3 %	-	-			3 %
<u>Other Fibers</u> Glass Cellulose Wo - Trace	eral ool Synthetic	Other	_	Matri 97	x %
Client Sample ID: 25570.005-0048 Client Sample Description:	Sample ID: S48		Date Analyzed: Analyst:	04/14/2022 Tim Cammann	
Asbestos Mineral Fibers Layer Percent: Chrysc	tile Amosite Ci	rocidolite	, <b>,</b>		Percent Asbestos:
Homogeneous loose particulate, tan 100 % -	-	-			NAD
<u>Other Fibers</u> Glass Cellulose Wo Trace Trace	eral ool Synthetic 	Other	-	Matri 100	x %

LabCor Portland Inc 4321 South Corbett Ave., Ste A	BULK SAMPLE ASBESTOS ANALYSIS Phone: (503) 224-50: www.labcorpdx.com			
Portland, OR 97239	Asbestos an	d Environmental Analysis		
Client: PBS Engineering and Environmental 4412 S Corbett Avenue Portland, OR 97239			Report Number: 221084F Report Date: 04/14/202	801 2
Job Number: 221084 Project Name: Project Number: 25570.005 Phase 0001 Project Notes:			<b>P.O. No:</b> n/a	
Client Sample ID: 25570.005-0049 Client Sample Description:	Sample ID: S49	Date A	nalyzed: 04/14/2022 Analyst: Tim Cammann	
Asbestos Mineral Fibers Layer Percent: Chrysotile	Amosite Cro	cidolite	As	ercent bestos:
loose flexible material, 100 % - white/yellow	-	-		NAD
Other Fibers         Fibrous         Minera           Glass         Cellulose         Wool           -         6 %         -	Synthetic	Other -	- Matrix - 94 %	
Client Sample ID: 25570.005-0050 Client Sample Description:	Sample ID: S50	Date A	nalyzed: 04/14/2022 Analyst: Tim Cammann	
Asbestos Mineral Fibers Layer Percent: Chrysotile	Amosite Cro	cidolite	P	ercent bestos:
Homogeneous loose particulate, 100 % 3 % brown/black	-	-		3 %
Other Fibers         Fibrous         Minera           Glass         Cellulose         Wool           -         Trace         -	Synthetic	Other -	- Matrix - 97 %	
<u>Client Sample ID:</u> 25570.005-0051 Client Sample Description:	Sample ID: S51	Date A	nalyzed: 04/13/2022 Analyst: Tim Cammann	
Asbestos Mineral Fibers Layer Percent: Chrysotile	Amosite Cro	cidolite	P As	ercent bestos:
loose fibers with powder, 100 % - off-white/gray	-	-		NAD
Other Fibers         Fibrous         Minera           Glass         Cellulose         Wool	Synthetic	Other	Matrix	
- 15 % 20 %	-	-	- 65 %	
Client Sample ID: 25570.005-0052	Sample ID: S52	Date A	nalyzed: 04/13/2022	
Asbestos Mineral Fibers Layer Percent: Chrysotile	Amosite Cro	cidolite	Anaryst: Thin Caninann Pi As	ercent bestos:
Homogeneous thin flexible material, 100 % - black	-	-		NAD
Other Fibers         Fibrous         Minera           Glass         Cellulose         Wool           20 %         -         -	Synthetic	Other -	- Matrix - 80 %	



LabCor Portland Inc 4321 South Corbett Ave., Ste A	C. BULK	SAMPLE AS	PLE ASBESTOS ANALYSIS Phone: (503) 224-505 www.labcorpdx.com			1-5055 om
Portland, OR 97239	Asbes	tos and Envir	onmental	Analysis		
Client: PBS Engineering and Environmental 4412 S Corbett Avenue Portland, OR 97239				Rep. F	ort Number: 2210 Report Date: 04/14	)84R01 4/2022
Job Number: 221084 Project Name: Project Number: 25570.005 Phase 0001 Project Notes:					<b>P.O. No:</b> n/a	
Client Sample ID:       25570.005-0053         Client Sample Description:       Asbestos Mineral Fibers         Asbestos Mineral Fibers       Layer         Percent:       Chrysotile	Sample ID: e Amosite	S53 Crocidolite		Date Analyzed: Analyst:	04/13/2022 Tim Cammann	Percent Asbestos:
soft rubbery material, 100 % - gray Other Fibers Fibrous Minera	- al	-				NAD
Glass Cellulose Wool	Synthetic -		Other -	-	Ma 10	trix 10 %
Client Sample ID:         25570.005-0054           Client Sample Description:         Asbestos Mineral Fibers         Layer           Asbestos Mineral Fibers         Layer         Percent:	Sample ID: e Amosite	S54 Crocidolite		Date Analyzed: Analyst:	04/13/2022 Tim Cammann	Percent Asbestos:
Homogeneous           loose particulate, gray         100 %         -           Other Fibers         Fibrous         Minera	- al	-				NAD
Glass Cellulose Wool - Trace Trace	Synthetic e -		Other -	-	Ma 10	trix 10 %
Client Sample ID: 25570.005-0055 Client Sample Description: Asbestos Mineral Fibers Percent: Chrysotil	Sample ID: e Amosite	S55 Crocidolite		Date Analyzed: Analyst:	04/13/2022 Tim Cammann	Percent Asbestos:
Homogeneous loose fibrous powder, 100 % - gray	-	-				NAD
Other Fibers         Fibrous         Minera           Glass         Cellulose         Wool           -         25 %         -	al Synthetic -		Other -	_	Ma 7	trix 5 %
Client Sample ID:       25570.005-0056         Client Sample Description:       Asbestos Mineral Fibers         Asbestos Mineral Fibers       Layer         Percent:       Chrysotile	Sample ID: e Amosite	S56 Crocidolite		Date Analyzed: Analyst:	04/13/2022 Tim Cammann	Percent Asbestos:
Homogeneous loose fibers with powder, 100 % - off-white/gray	-	-				NAD
Other Fibers         Fibrous         Minera           Glass         Cellulose         Wool           -         10 %         10 %	al Synthetic		Other -	-	Ma 8	trix 0 %

LabCor Portland Inc Lab/CO 4321 South C	or Portland, Inc Corbett Ave., Ste A	C. BULK	SAMPLE AS	BESTOS	ANALYSIS	Phone: (503) 224 www.labcorpdx.c	4-5055 om
Portland, OR	97239	Asbes	tos and Envir	onmental	Analysis		
Client: PBS Engineering 4412 S Corbett A Portland, OR 97	g and Environmental Avenue 7239				Repo F	ort Number: 2210 Report Date: 04/14	084R01 4/2022
Job Number: 2210	)84					<b>P.O. No:</b> n/a	
Project Name: Project Number: 2557 Project Notes:	0.005 Phase 0001						
Client Sample ID: 2557	70.005-0057	Sample ID:	S57		Date Analyzed:	04/13/2022	
Client Sample Description	on: <u>s</u> Layer Percent: Chrysotile	e Amosite	Crocidolite		Analyst:	Tim Cammann	Percent Asbestos:
Homogeneous loose fibrous powder, white/brown	off- 100 % -	-	-				NAD
<u>Other Fibers</u> F	ibrous Minera Glass Cellulose Wool	al Synthetic		Other	_	Ma s	trix 5 %
Client Sample ID: 255	70 005-0058	Sample ID:	S58		Date Analyzed:	04/13/2022	0 /0
Client Sample Description Asbestos Mineral Fibers	on: <u>s</u> Layer Percent: Chrysotile	e Amosite	Crocidolite		Analyst:	Tim Cammann	Percent Asbestos:
Layer 01 fine compact powder, white	off- 4 % 2 %	-	-				2 %
compact chalky mater with paper, off-white	ial 96 % -	-	-				NAD
Other Fibers F	ibrous Minera Glass Cellulose Wool	al Synthetic		Other		Ма	trix
Layer 01 Layer 02 T	- Trace - Frace 2 % -	-		-	-	9 9	8 % 8 %
Client Sample ID: 2557 Client Sample Description	70.005-0059 on:	Sample ID:	S59		Date Analyzed: Analyst:	04/13/2022 Tim Cammann	
Asbestos Mineral Fibers	<u>s</u> Layer Percent: Chrysotile	e Amosite	Crocidolite				Percent Asbestos:
Homogeneous soft mastic material, gray/tan	100 % -	-	-				NAD
Other Fibers F	ibrous Minera Glass Cellulose Wool	al Synthetic		Other	-	Ma 8	trix 0 %
Client Sample ID: 2557	70.005-0060	Sample ID:	S60		Date Analvzed:	04/13/2022	
Client Sample Description	o <b>n:</b> <u>s</u> Layer Percent: Chrysotile	e Amosite	Crocidolite		Analyst:	Tim Cammann	Percent Asbestos:
Homogeneous hard compact material black	l, 100 % 2 %	-	-				2 %
Other Fibers F	ibrous Minera Glass Cellulose Wool	al Synthetic -		Other -	-	Ma 9	trix 8 %

LabCor Portland Inc. 4321 South Corbett Ave., Ste A		O/Cor Portland, Inc South Corbett Ave., Ste A	BULK	SAMPLE AS	BESTOS	ANALYSIS	Phone: (503) 224-5055 www.labcorpdx.com		
	Portlar	nd, OR 97239	Asbes	tos and Envir	onmental	Analysis			
Client:	PBS Engi 4412 S Co Portland,	neering and Environmental orbett Avenue OR 97239				Rep	oort Number: 2210 Report Date: 04/1	084R01 4/2022	
Job	Number:	221084					<b>P.O. No:</b> n/a		
Proje Project N Proje	ct Name: Number: ct Notes:	25570.005 Phase 0001							
Client S	ample ID:	25570.005-0061	Sample ID:	S61		Date Analyzed:	04/13/2022		
Client S Asbesto	ample Des os Mineral	scription: <u>Fibers</u> Layer Percent: Chrysotile	Amosite	Crocidolite		Analyst:	Tim Cammann	Percent Asbestos:	
Homog	eneous								
masi Othor E	tic, tan	100 % - Fibrous Minoral	-	-				NAD	
<u>Other P</u>	ibers	Glass Cellulose Wool - 2 % -	Synthetic -		Other -	-	Ma 9	trix 8 %	
Client S Client S	ample ID: ample Des	25570.005-0062 scription:	Sample ID:	S62		Date Analyzed: Analyst:	04/13/2022 Tim Cammann		
Asbesto	os Mineral	Fibers Layer Percent: Chrysotile	Amosite	Crocidolite				Percent Asbestos:	
Homog hard blacl	<b>eneous</b>   compact n k/white	naterial, 100 % -	-	-				NAD	
Other F	<u>ibers</u>	Fibrous Mineral Glass Cellulose Wool	Synthetic -		Other -	-	Ma 1(	trix 10 %	

This laboratory participates in the National Voluntary Laboratory Accreditation Program (NVLAP). Testing method is per EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials and EPA - 40CFR App. E to Subpart E of Part 763, PLM. This report and the data contained therein cannot be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the U.S. Government.

• "NAD" is No Asbestos Detected.

· Asbestos consists of the following minerals: chrysotile, amosite, crocidolite, tremolite, actinolite, anthophyllite.

• Material binders, such as those found in vinyl floor tiles, may prevent the detection of small diameter asbestos fibers. A gravimetric preparation and point-count is recommended for such samples.

• Quantitative analysis by PLM point count or TEM may be recommended for samples testing at < or = to 1% asbestos.

• The following estimate of error for this method by visual estimation of asbestos percent are as follows:

1% asbestos: >0-3% error, 5% asbestos: 1-9% error, 10% asbestos: 5-15% error, 20% asbestos: 10-30% error.

• This report pertains only to the samples listed on the report. Report considered valid only when signed by analyst.

**Reviewed by:** 

Min Gaines **Mia Gaines** 

Analyst



# 108 して

### TRANSMITTAL AND CHAIN OF CUSTODY FOR ASBESTOS BULK SAMPLES

Project No.: 25570.005 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.

RECEIVER

Company:

Address:

Date Received:

#### SENDER

Date Sent: April 08, 2022

#### PBS Engineering and Environmental Inc.

4412 S Corbett Avenue

Portland, OR 97239

Authorized Signature

Sender's ID No.

503,248.1939, Fax: 866.727.0140

Name

Date Time

m	m	T	shop - p-
rtho	rized	S	ignature

Receiver's ID No.

Lab Cor

4-3-22

Portland, OR 97239

503-224-5055 Takop Brown

4321 S Corbett Ave Ste A

4-3-22 9:45 Time

Date

**Brief Description** 

25570.005-0001	 -	
25570.005-0002	 -	
25570.005-0003	 -	
25570.005-0004	 -	
25570.005-0005	 -	
25570.005-0006	 -	
25570.005-0007		
25570.005-0008		
25570.005-0009		
25570.005-0010	 -	
25570.005-0011	 -	
25570.005-0012	 -	
25570.005-0013	 -	
25570.005-0014	 -	

PBS Engineering and Environmental Inc.

# TRANSMITTAL AND CHAIN OF CUSTODY FOR ASBESTOS BULK SAMPLES

**PBS** 

25570.005-0015	<u></u>	
25570.005-0016		
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25570.005-0037		
25570.005-0038		
25570.005-0039		
25570.005-0040		

**PBS Engineering and Environmental Inc.** 

April 08, 2022

2210842/4

2210843/4

# **PBS**

TRANSMITTAL AND CHAIN OF CUSTODY FOR ASBESTOS BULK SAMPLES

25570.005-0041		
25570.005-0042		
25570.005-0043		<u>_</u>
25570.005-0044		
25570.005-0045		
25570.005-0046		· · · · · · · · · · · · · · · · · · ·
25570.005-0047		
25570,005-0048		
25570.005-0049		
25570.005-0050		· · · · · · · · · · · · · · · · · · ·
25570.005-0051		
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25570.005-0055		
25570.005-0056		
25570.005-0057		
25570.005-0058		
25570.005-0059		
25570.005-0060		
25570.005-0061		
25570.005-0062		

# **PBS**

# TRANSMITTAL AND CHAIN OF CUSTODY FOR ASBESTOS BULK SAMPLES

Please analyze the enclosed 61 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 appress.

 TURNAROUND DESIRED:
 72 Hour

 SPECIAL INSTRUCTIONS:

221084

JL/SW\_

<u>Code</u>	<u>Material</u>		<u>Location</u>	<u>Results</u>	<u>Lab</u>
25570.005-0063	Lab Counter Top		Divine hall; science lab, black lab	counter top	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	hard compact powder, black/gray	No Asbestos Detected	
25570.005-0064	Mastic (06)		Divine hall; science lab, under lar black, hard mastic	ge black countertops,	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	hard compact material, black	<1% Chrysotile	
25570.005-0065	Glued-on Ceiling 1	<b>Files</b>	Divine hall; science lab, 12" by 12 ceiling tile with brown glue dot	", white fissured glued-on	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 01	coating, white	No Asbestos Detected	
		Layer 02	compressed fibers, gray	No Asbestos Detected	
		Layer 03	mastic, brown	No Asbestos Detected	
		Layer 04	compact chalky material with paper, white	No Asbestos Detected	
25570.005-0066	Mastic (08)		Divine hall; west corridor, behind residual brown, brittle covebase r	fireproofing on wall, nastic	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 1	mastic, brown	No Asbestos Detected	
25570.005-0067	Vinyl Floor Tile/Ma	astic (03)	Divine hall; room 307A, on concre streaked vinyl floor tile with yello	ete, 12" by 12" white w mastic	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 01	mastic, clear	No Asbestos Detected	
		Layer 02	hard vinyl, off-white	No Asbestos Detected	
		Layer 03	mastic, clear yellow	No Asbestos Detected	
25570.005-0068	Mudded Joint Fitti	ngs	Divine hall; west hallway, outside ceiling, grayish/white mudded ha	room 307C, above drop ırd fitting	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 01	woven fibers, white	No Asbestos Detected	
		Layer 02	fibrous powder, gray	No Asbestos Detected	
25570.005-0069	Material Debris		Divine hall; west hallway, outside in ceiling tile, miscellaneous debr	room 307C, on top of lay- is	Lab Cor
		Layer:	Description:	Analysis:	
		Layer 01	paint, white	No Asbestos Detected	
		Layer 02	fibrous material, off-white	No Asbestos Detected	



<u>Code</u>	<u>Material</u>		Location	<u>Results</u>	<u>Lab</u>		
25570.005-0070	Lay-in Ceiling Tile	(01)	Divine hall; west hallway, 2' by 4' pinhole lay-in ceiling tile	white fissured and	Lab Cor		
		Layer:	Description:	Analysis:			
		Layer 01	coating, white	No Asbestos Detected			
		Layer 02	compressed fibers, gray	No Asbestos Detected			
25570.005-0071	Gypsum Wallboar Compound	d/Joint	Divine hall; west hallway, above c wallboard with white compound	lrop ceiling, decking/white	Lab Cor		
		Layer:	Description:	Analysis:			
		Layer 01	fine compact powder, off-white	<1% Chrysotile			
		Layer 02	fine compact powder, off-white with paper	2% Chrysotile			
		Layer 03	compact chalky material with paper, white	No Asbestos Detected			
25570.005-0072	Concrete		Divine hall; room 307C, under car concrete	rpet, white painted,	Lab Cor		
		Layer:	Description:	Analysis:			
		Layer 01	paint, white	No Asbestos Detected			
		Layer 02	granular compact powder, gray	No Asbestos Detected			
25570.005-0073	Vinyl Floor Tile/Mastic (02)		Divine hall; room 307D, under carpet, on concrete, 12" by 12" beige speckled vinyl floor tile with yellow mastic				
		Layer:	Description:	Analysis:			
		Layer 01	hard vinyl, off-white	No Asbestos Detected			
		Layer 02	mastic, yellow with coating, gray	No Asbestos Detected			
25570.005-0074	Mudded Joint Fitti	ngs	Divine hall; west hallway, above c elbow, grayish/white mudded ha	lrop ceiling, on pipe large rd fitting	Lab Cor		
		Layer:	Description:	Analysis:			
		Layer 01	woven fibers, white	No Asbestos Detected			
		Layer 02	fibrous powder, off-white	No Asbestos Detected			
25570.005-0075	Mastic (09)		Divine hall; west hallway, outside corkboard, white, hard mastic	custodian office, behind	Lab Cor		
		Layer:	Description:	Analysis:			
		Layer 1	loose vinyl material, white	No Asbestos Detected			
25570.005-0076	Mastic (10)		Divine hall; custodian office, betw sink, dark yellow, hard mastic	veen wood panels at mop	Lab Cor		
		Layer:	Description:	Analysis:			
		Layer 1	thick mastic material, tan	No Asbestos Detected			



LabCor Portland Lab/Cor Portland, Inc. 4321 South Corbett Ave., Ste A Portland, OR 97239

# **PLM - Visual Estimate Extended Final Report**

Job Number: 221093

Inc

Report Number: 221093R01 Report Date: 4/13/2022

**Client: PBS Engineering and Environmental** Address: 4412 S Corbett Avenue Portland, OR 97239 Project Name: Project No.: 25570.005 Phase 0001 PO Number: Sub Project:

**Reference No.:** 

Enclosed please find results for samples submitted to our laboratory. A list of samples and analyses follows:

Lab/Cor Sample #	Client Sample # and Description	Analysis	Analysis Notes	Date Received:
221093 - S1	25570.005-0063 -	PLM - Visual Estimate Extended		4/8/2022
221093 - S2	25570.005-0064 -	PLM - Visual Estimate Extended		4/8/2022
221093 - S3	25570.005-0065 -	PLM - Visual Estimate Extended		4/8/2022
221093 - S4	25570.005-0066 -	PLM - Visual Estimate Extended		4/8/2022
221093 - S5	25570.005-0067 -	PLM - Visual Estimate Extended		4/8/2022
221093 - S6	25570.005-0068 -	PLM - Visual Estimate Extended		4/8/2022
221093 - S7	25570.005-0069 -	PLM - Visual Estimate Extended		4/8/2022
221093 - S8	25570.005-0070 -	PLM - Visual Estimate Extended		4/8/2022
221093 - S9	25570.005-0071 -	PLM - Visual Estimate Extended		4/8/2022
221093 - S10	25570.005-0072 -	PLM - Visual Estimate Extended		4/8/2022
221093 - S11	25570.005-0073 -	PLM - Visual Estimate Extended		4/8/2022
221093 - S12	25570.005-0074 -	PLM - Visual Estimate Extended		4/8/2022
221093 - S13	25570.005-0075 -	PLM - Visual Estimate Extended		4/8/2022
221093 - S14	25570.005-0076 -	PLM - Visual Estimate Extended		4/8/2022



LabCor Portland Inc Lab/Cor Portland, Inc. 4321 South Corbett Ave., Ste A Portland, OR 97239

### PLM - Visual Estimate Extended Final Report

#### Job Number: 221093

#### Report Number: 221093R01 Report Date: 4/13/2022

#### Client: PBS Engineering and Environmental Project Name:

PLM - Visual The submitted sample(s) were analyzed according to the EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Estimate Extended Building Materials and EPA - 40CFR App. E to Subpart E of Part 763. The sample(s) were analyzed with a digital microscope in order to determine homogeneity, the presence of fibers, and make a preliminary estimate of any asbestos fibers present in the sample. The sample(s), and any observed layers, were then homogenized through techniques appropriate to that material and prepared for analysis by polarized light microscopy (PLM).

Three slide mount preparations were made from random subsamples of the homogenized material. This material was then mounted in the suitable refractive index liquid needed to perform a full optical characterization of the observed fibers. When necessary, dilute HCI, instead of RI liquids, were used to remove cementitious binders to facilitate analysis. The entirety of the slide mount preparations were then analyzed by PLM. Any observed fibers were reported and their optical characteristics recorded according to the EPA 600-R-93-116 method.

**Disclaimer** This report, and the data contained therein, cannot be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the U.S. Government. The results found in this report are based only on the submitted sample(s). LabCor has no control over sampling procedures. This report is only valid when signed by an analyst.

NAD is No Asbestos Detected. Asbestos consists of the six following minerals: chrysotile, amosite, crocidolite, anthophyllite, actinolite, and tremolite.

Additional gravimetric, point-count or TEM analysis may be recommended for samples testing at < or = 1% asbestos, or those with material binders that prevent the detection of small diameter fibers.

The following estimate of error for this method by visual estimation of asbestos percent are as follows: 1% asbestos: >0-3% error, 5% asbestos: 1-9% error, 10% asbestos: 5-15% error, 20% asbestos: 10-30% error.

Sincerely,

Min Gaines **Mia Gaines** 

Analyst



LabCor Portland 4321 Sou	Cor Po th Corbett	ortland Ave., Ste A	d, Inc	-				Phone: (503 www.labcorp	) 224-5055 dx.com
Portland,	OR 9723	9	E	BULK SAMF	PLE ASBEST	OS ANAL	YSIS		
Client: PBS Enginee 4412 S Corb Portland, OR	ering and E ett Avenue 97239	Environmen e	tal				Repo F	ort Number: ; Report Date:	221093R01 04/13/2022
Job Number: 2	21093							P.O. No:	n/a
Project Name:									
Project Number: 2	5570.005	Phase 0001							
Project Notes:									
Client Sample ID:	25570.005	-0063		Sample ID:	S1		Date Analyzed:	04/13/2022	
Client Sample Descr	iption:	Lavor					Analyst:	Mia Gaines	Doroont
ASDESIOS MILIERAL FIL	F	Percent: C	hrysotile	Amosite	Crocidolite				Asbestos:
Homogeneous									
hard compact pow black/gray	der,	100 %	-	-	-				NAD
Other Fibers	Fibrous Glass -	Cellulose	Mineral Wool	Synthetic		Other			Matrix
Client Comple ID: (	0.5570.005	00004		Comple ID:	60		Data Analyzada	04/10/0000	100 %
Client Sample ID: Client Sample Descri	25570.005 iption:	-0064		Sample ID:	52		Date Analyzed: Analyst:	Mia Gaines	
Asbestos Mineral Fil	bers F	Layer Percent: C	hrysotile	Amosite	Crocidolite		, <b>,</b>		Percent Asbestos:
Homogeneous									
hard compact mat black	erial,	100 %	Trace	-	-				< 1 %
Other Fibers	Fibrous	Collulada	Mineral	Curthatia		Other			
	-	-	-	- Synthetic		-	-		Matrix 100 %
Client Sample ID: 2	25570.005	-0065		Sample ID:	S3		Date Analyzed:	04/13/2022	
Client Sample Descr	iption:						Analyst:	Mia Gaines	
Asbestos Mineral Fil	<u>bers</u> F	Layer Percent: C	hrysotile	Amosite	Crocidolite				Percent Asbestos:
Layer 01		F 0/							NAD
Laver 02		5 %	-	-	-				NAD
compressed fibers	, grav	60 %	-	-	-				NAD
Layer 03	,	-							
mastic, brown		15 %	-	-	-				NAD
Layer 04									
compact chalky m with paper, white	aterial	20 %	-	-	-				NAD
Other Fibers	Fibrous Glass	Cellulose	Mineral Wool	Synthetic		Other			Matrix
Layer 01	1 %	-	Trace	-		-	-		99 %
Layer 02	20 %	-	20 %	-		-	-		60 %
∟ayer ∪3 Laver 04	ı% 2%	∠ % -	-	-		-	-		97 % 98 %
	- /0								50 /0

LabCor Portland 4321 South	or Po	ortlan Ave., Ste	d, Inc	BULK	SAMPLE AS	BESTOS	ANALYSIS	Phone: (503 www.labcorp	) 224-5055 dx.com
Portland, C	R 9723	9		Asbes	tos and Envir	onmental	Analysis		
Client: PBS Engineeri 4412 S Corbet Portland, OR	ng and E t Avenue 97239	Environmer 9	ntal				Repo	ort Number: Report Date:	221093R01 04/13/2022
Job Number: 22 Project Name: Project Number: 255 Project Notes:	1 <b>093</b> 570.005	Phase 000	1					P.O. No:	n/a
Client Sample ID: 25	570.005	-0066		Sample ID:	S4		Date Analyzed:	04/13/2022	
Client Sample Descrip Asbestos Mineral Fibe	tion: e <u>rs</u> F	Layer Percent: C	Chrysotile	Amosite	Crocidolite		Analyst:	Mia Gaines	Percent Asbestos:
Homogeneous mastic, brown		100 %	-	-	-				NAD
Other Fibers	Fibrous Glass	Cellulose	Mineral Wool	Synthetic		Other			Matrix
Client Semple ID: 25	-	0067	-	- Somple ID:	<u>SE</u>	-	- Data Analuzadu	04/12/2022	100 %
Client Sample ID: 25 Client Sample Descrip	570.005 tion:	-0067		Sample ID:	55		Date Analyzed: Analyst:	Mia Gaines	
Asbestos Mineral Fibe	e <u>rs</u> F	Layer Percent: C	Chrysotile	Amosite	Crocidolite		, <b>,</b>		Percent Asbestos:
Layer 01									
mastic, clear		2 %	-	-	-				NAD
Layer 02		06.9/							NAD
		30 /8	-	-	-				NAD
mastic. clear vellow		2 %	_	-	_				NAD
Other Fibers	Fibrous	Collulada	Mineral	Curthatia		Other			•••
Lavor 01	Ciass			Synthetic		Outor	_		Matrix 98 %
Layer 01	_	- 2 /0	-	_		-	-		100 %
Layer 03	-	1 %	-	-		-	-		99 %
Client Sample ID: 25 Client Sample Descrip	570.005 tion:	-0068		Sample ID:	S6		Date Analyzed: Analyst:	04/13/2022 Mia Gaines	
Asbestos Mineral Fibe	e <u>rs</u> F	Layer Percent: C	Chrysotile	Amosite	Crocidolite				Percent Asbestos:
Layer 01 woven fibers, white		4 %	-	-	-				NAD
fibrous powder, grav	,	96 %	-	-	-				NAD
Other Fibers	Fibrous Glass	Cellulose	Mineral Wool	Synthetic		Other			Matrix
Laver 01	-	100 %	-	-,			-		0 %
		100 /0							0 /0



LabCor Lab/ Portland 4321 Sol	Cor P	ortlan	d, Inc	BULK	SAMPLE AS	BESTOS	ANALYSIS	Phone: (503 www.labcorp	) 224-5055 dx.com
Portland	, OR 9723	39	1	Asbes	tos and Envir	onmental	Analysis		
Client: PBS Engine 4412 S Cort Portland, OF	eering and bett Avenu R 97239	Environmer e	ital				Repo	ort Number: 2 Report Date: (	221093R01 04/13/2022
Job Number:	221003							P.O. No: 1	n/a
Project Name:	221033								
Project Number: 2	25570.005	Phase 000	1						
Project Notes:									
Client Sample ID:	25570.00	5-0069		Sample ID:	S7		Date Analyzed:	04/13/2022	
Client Sample Desc	ription:						Analyst:	Mia Gaines	
Asbestos Mineral Fi	<u>ibers</u>	Layer Percent: C	hrysotile	Amosite	Crocidolite				Percent Asbestos:
Layer 01		10.01							
paint, white		10 %	-	-	-				NAD
fibroup motorial	off white	00 %							
	Fibrous	30 /0	- Mineral	-	-				NAD
<u>other ribers</u>	Glass	Cellulose	Wool	Synthetic		Other			Matrix
Layer 01	-	1 %	-	-		-	-		99 %
Layer 02	-	30 %	5 %	-		-	-		65 %
Client Sample ID:	25570.00	5-0070		Sample ID:	S8		Date Analyzed:	04/13/2022	
Client Sample Desci	ription:	Lover					Analyst:	Mia Gaines	Porcont
ASDESIOS MILIERAL FI	IDEIS	Percent: C	hrysotile	Amosite	Crocidolite				Asbestos:
Layer 01									
coating, white		2 %	-	-	-				NAD
Layer 02									
compressed fiber	s, gray	98 %	-	-	-				NAD
Other Fibers	Fibrous	S Collulana	Mineral Wool	Synthetic		Other			
l aver 01	-		-	Synthetic		-	_		Matrix 99 %
Laver 02	5%	30 %	5%	-		-	-		60 %
Client Comple ID:	05570.000	5 0071	- /-	Comple ID:	50		Data Analyzada	04/10/0000	
Client Sample Desci	ription:	5-0071		Sample ID:	29		Analyst:	Mia Gaines	
Asbestos Mineral F	ibers	Layer							Percent
		Percent: C	hrysotile	Amosite	Crocidolite				Asbestos:
Layer 01		<b>F</b> o/	-						
tine compact pow white	der, off-	5 %	Irace	-	-				< 1 %
Layer 02									
fine compact pow white with paper	der, off-	10 %	2 %	-	-				2 %
Layer 03									
compact chalky n with paper, white	naterial	85 %	-	-	-				NAD
Other Fibers	Fibrous Glass	s Cellulose	Mineral Wool	Synthetic		Other			Matrix
Layer 01	-	-	-	-		-	-		100 %
Layer 02	-	-	-	-		-	-		98 %
Layer 03	2 %	1 %	-	-		-	-		97 %


LabCor Portland Inc 4321 South	d, Inc	BULK SAMPLE ASBESTOS ANALYSIS Phone: (503) 224-5055 www.labcorpdx.com				) 224-5055 dx.com			
Portland, C	OR 97239	9		Asbes	tos and Envir	onmental	Analysis		
Client: PBS Engineer 4412 S Corbe Portland, OR	ing and E tt Avenue 97239	Environmen	tal				Rep F	ort Number: Report Date:	221093R01 04/13/2022
Job Number: 22	1093							P.O. No:	n/a
Project Name:									
Project Number: 25 Project Notes:	570.005 I	Phase 0001							
Client Sample ID: 25	5570.005	-0072		Sample ID:	S10		Date Analyzed:	04/13/2022	
Client Sample Descrip	otion:						Analyst:	Mia Gaines	
Asbestos Mineral Fib	ers F	Layer Percent: C	hrysotile	Amosite	Crocidolite				Percent Asbestos:
Layer 01									
paint, white		3 %	-	-	-				NAD
granular compact		97 %	-	-	-				NAD
Other Fibers	Fibrous Glass	Cellulose	Mineral Wool	Synthetic		Other			Matrix
Layer 01	-	-	-	-		-	-		100 %
Layer 02	-	-	-	-		-	-		100 %
Client Sample ID: 25	5570.005 	-0073		Sample ID:	S11		Date Analyzed:	04/13/2022	
Asbestos Mineral Fib	ers F	Layer Percent: C	hrysotile	Amosite	Crocidolite		Analyst:	Mia Gaines	Percent Asbestos:
Layer 01 hard vinyl, off-white		98 %	-	-	-				NAD
Layer 02									
mastic, yellow with coating, gray		2 %	-	-	-				NAD
Other Fibers	Fibrous Glass	Cellulose	Mineral Wool	Synthetic		Other			Matrix
Layer 01	-	-	-	-		-	-		100 %
Layer 02	-	1 %	-	-		-	-		99 %
Client Sample ID: 25	5570.005 <sup>,</sup>	-0074		Sample ID:	S12		Date Analyzed:	04/13/2022	
Client Sample Descrip	otion:						Analyst:	Mia Gaines	<b>-</b> .
Asbestos Mineral Fib	ers F	Layer Percent: C	hrysotile	Amosite	Crocidolite				Percent Asbestos:
Layer 01 woven fibers. white		4 %	-	-	-				NAD
Layer 02		-							
fibrous powder, off-	white	96 %	-	-	-				NAD
Other Fibers	Fibrous Glass	Cellulose	Mineral Wool	Synthetic		Other			Matrix
Layer 01	-	100 %	-	-		-	-		0 %
Layer 02	4 %	Trace	8 %	-		-	-		88 %



LabCor Portland Inc. 4321 South Corbett Ave., Ste A		. BULK	SAMPLE AS	BESTOS A	STOS ANALYSIS Phone: (503) 224-5055 www.labcorpdx.com		) 224-5055 dx.com			
	Portlan	id, OR 97239			Asbes	tos and Envir	onmental A	Analysis		
Client:	PBS Engir 4412 S Co Portland, (	neering and Env orbett Avenue OR 97239	rironmenta	l				Rep	oort Number: Report Date:	221093R01 04/13/2022
Job	Number:	221093							P.O. No:	n/a
Projec Project N Projec	ct Name: lumber: ct Notes:	25570.005 Pha	ase 0001							
Client Sa	ample ID:	25570.005-00	75		Sample ID:	S13		Date Analyzed:	04/13/2022 Mia Gaipas	
Asbesto	os Mineral	Fibers La Per	yer cent: Chi	rysotile	Amosite	Crocidolite		Analyst:	Mia Games	Percent Asbestos:
Homoge loose white	e <b>neous</b> e vinyl mate e	erial, 10	0 %	-	-	-				NAD
<u>Other Fi</u>	<u>ibers</u>	Fibrous Glass C -	l ellulose Trace	Mineral Wool -	Synthetic		Other -	-		Matrix 100 %
<u>Client Sa</u> Client Sa	<u>ample ID:</u> ample Des	25570.005-00 cription:	76		Sample ID:	S14		Date Analyzed: Analyst:	04/13/2022 Mia Gaines	
<u>Asbesto</u>	os Mineral	Fibers La Pero	yer cent: Chi	rysotile	Amosite	Crocidolite		-		Percent Asbestos:
Homoge thick	e <b>neous</b> mastic ma	terial, tan 10	0 %	-	-	-				NAD
<u>Other Fi</u>	<u>ibers</u>	Fibrous Glass C	l ellulose 1 %	Mineral Wool -	Synthetic Trace		Other	_		Matrix 99 %
		Glass C	ellulose 1 %	Wool -	Synthetic Trace		Other -	-		Matrix 99 %

This laboratory participates in the National Voluntary Laboratory Accreditation Program (NVLAP). Testing method is per EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials and EPA - 40CFR App. E to Subpart E of Part 763, PLM. This report and the data contained therein cannot be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the U.S. Government.

• "NAD" is No Asbestos Detected.

· Asbestos consists of the following minerals: chrysotile, amosite, crocidolite, tremolite, actinolite, anthophyllite.

• Material binders, such as those found in vinyl floor tiles, may prevent the detection of small diameter asbestos fibers. A gravimetric preparation and point-count is recommended for such samples.

• Quantitative analysis by PLM point count or TEM may be recommended for samples testing at < or = to 1% asbestos.

• The following estimate of error for this method by visual estimation of asbestos percent are as follows:

1% asbestos: >0-3% error, 5% asbestos: 1-9% error, 10% asbestos: 5-15% error, 20% asbestos: 10-30% error.

• This report pertains only to the samples listed on the report. Report considered valid only when signed by analyst.

**Reviewed by:** 

Min Gaines **Mia Gaines** 

Analyst



221092 % R

#### TRANSMITTAL AND CHAIN OF CUSTODY FOR ASBESTOS BULK SAMPLES

**Project No.:** 25570.005 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

Name

Date Sent:

4412 S Corbett Avenue

Portland, OR 97239

Authorized Signature

April 08, 2022

PBS Engineering and Environmental Inc.

503.248.1939, Fak: 866.727.0140

RECEIVER Date Received:

4/8/22

Company: Lab Cor

Address:

Portland, OR 97239

4321 S Corbett Ave Ste A

ONAUNS

503-224-5055

N Name

**Authorized Signature** 

Date

1415 Time

Da

Sender's ID No.		Brief Description
25570.005-0063		
25570.005-0064		
25570.005-0065		
25570.005-0066		
25570.005-0067		
25570.005-0068	-	
25570.005-0069		
25570,005-0070		
25570.005-0071		
25570.005-0072		
25570.005-0073		
25570.005-0074		
25570.005-0075		
25570.005-0076	<b>.</b>	

Receiver's ID No.

**PBS Engineering and Environmental Inc.** 



# 2210932

#### TRANSMITTAL AND CHAIN OF CUSTODY FOR ASBESTOS BULK SAMPLES

Please analyze the enclosed 14 samp notification if samples will be dispose	e(s) for asbestos content using PLM with dispersion staining. d.	PBS requests prior
Request verbal results by: A	M/PMDate.	
Please fax and mail the results to the	above address.	
TURNAROUND DESIRED:	/12 Hour	
·····		· · · · · · · · · · · · · · · · · · ·
SPECIAL INSTRUCTIONS:		
		,
		S(n)
L	(	$\gamma \omega $

# Pre-Renovation Limited Hazardous Building Materials Survey Report

Washington Center for Deaf and Hard of Hearing Youth (CDHY) Academic & Physical Education Building – Clarke Hall & Lloyd Auditorium Project 9411 NE 94<sup>th</sup> Ave Vancouver, Washington 98662

Prepared for:

Washington State Department of Enterprise Services (DES) PO Box 41476 Olympia, Washington 98504

General Information	1.1
Inspection Summary	1.2
Hazardous Material Survey Drawing	HS1
Hazardous Material Sample Inventories	2.1
Laboratory Data	Not Numbered
AHERA Certificate	Not Numbered

June 2024 PBS Project 25570.007, Phase 0001



1325 SE TECH CENTER DR SUITE 140 VANCOUVER, WA 98683 360.695.3488 MAIN PBSUSA.COM

### **General Information**

#### **BUILDING DATA**

Washington DES PO Box 41476 Olympia, Washington 98504

#### **CLIENT DATA**

Washington CDHY – Clarke Hall/Lloyd Auditorium 611 Grand Boulevard Vancouver, Washington 98661

#### **Survey Scope**

PBS Engineering and Environmental LLC (PBS) has performed a limited pre-renovation hazardous building materials survey of accessible areas within the renovation scope of work at Clarke Hall and Lloyd Auditorium. This survey was completed as part of the overall Academic and Physical Education (PE) Building project located at the Washington Center for Deaf and Hard of Hearing Youth (CDHY) Campus in Vancouver, Washington and compiled this report with the following information:

- Inspection Summary:
  - Asbestos-containing building materials (ACMs)
  - Lead paint survey
  - Suspect polychlorinated biphenyl (PCB) containing materials and equipment
  - Mercury-containing light fixtures and equipment
- Hazardous materials sample inventories including laboratory analytical data of bulk materials sampled
- Floorplan drawings indicating hazardous material sample locations

With regards to asbestos, PBS endeavored to locate all assessable suspect ACMs within the scope of the renovation; 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 or renovation activities that are not identified in this report, testing should be performed prior to impact. Lead paint sampling is representative of only major components within the survey scope of work.

PBS has conducted a physical inspection of the site; 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.

Brian Wehner Prime Inspector/Industrial Hygienist Accreditation Number: IR-22-7306B

Signature

Date

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ΑCTIVITY

#### **INSPECTION SUMMARY**

#### DATES SURVEYED BY

04/2024	Brian Wehner and Seireadan Kindrick	Begin Inspection
05/2024	Brian Wehner	<b>Finish Inspection</b>
06/2024	Brian Wehner	Report

PBS Engineering and Environmental LLC (PBS) has investigated accessible areas within the survey scope 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 these materials will be impacted by demolition or renovation 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>	Material Description	<u>Location</u>	<u>Details</u>
(+) 40%	Brown/Black Felt Paper Vapor Barrier with mastic concealed under metal flashing	Exterior Brick Walls at Canopies; Clarke Hall & Lloyd Auditorium	150 LF, Non-friable, Good Condition, Response Action: Removal Required Prior to Renovation or Demolition
(+) 10%	White Fluffy Ceiling Texture	Office 107	200 SF, Friable, Good Condition, Response Action: Removal Required Prior to Renovation or Demolition
(+) 3%	Vinyl Floor Tile and Black Mastic	Office 107	200 SF, Non-friable, Good Condition, Response Action: Removal Required Prior to Renovation or Demolition
(+) 6%	Dark Gray Brittle Door Caulking	Metal Seams of Large Interior Door Frames	4 EA, 90 LF, Non-friable, Good Condition, Response Action: Removal Required Prior to Renovation or Demolition
(T) 35%	Pipe Insulation and Associated Mudded Hard Fittings	Above Lay-in Ceiling Tiles and Hard Lids	Not Quantified, Friable, Good Condition, Response Action: Removal Required Prior to Renovation or Demolition

#### 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 and Joint Compound	Throughout the survey scope of work area
Orange Peel Wall Texture	Applied to gypsum wallboard systems
4" Brown Covebase with Cream Mastic	Throughout survey scope of work area
Yellow Fiberglass Insulation	Throughout survey scope of work area
2'x4' White Fissured Lay-in Ceiling Tile	Throughout survey scope of work area



#### BACKGROUND

In April 2024, PBS Engineering and Environmental LLC (PBS) performed a limited pre-renovation hazardous building materials survey of Clarke Hall and Lloyd Auditorium at the Washington Center for Deaf and Hard of Hearing Youth (CDHY) campus located at 611 Grand Boulevard in Vancouver, Washington. The survey was requested by Washington State Department of Enterprise Services (DES) in anticipation of planned renovation activities as part of the Academic and Physical Education new construction project.

The purpose of the survey was to identify regulated hazardous materials to satisfy the Washington State Department of Labor and Industries' requirement that a "good faith inspection" for asbestos-containing materials (ACM) be conducted prior to renovation and demolition activities. The survey is also 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 polychlorinated biphyenyl (PCB) containing building materials that may be impacted. Asbestos samples were submitted under chain of custody to Eurofins Lab/Cor Inc. in Portland, Oregon, for polarized light microscopy (PLM) asbestos analysis. Paint chips were collected from representative exterior building components to quantify lead content. Lead samples were submitted under chain of custody to RJ Lee Group in Monroeville, Pennsylvania, for analysis by flame atomic absorption spectrometry (FLAAS). PCB samples were submitted under chain of custody to NVL in Seattle, Washington, for analysis via gas chromatography.

In addition, representative light fixtures were inspected for PCB-containing ballasts and mercury-containing vapor light tubes. Our findings are summarized below.

#### **BUILDING DESCRIPTIONS**

Clarke Hall is a multi-story masonry brick, metal and wood framed structure and has undergone multiple renovations. Lloyd Auditorium is connected to Clarke Hall at the northeast exterior of the first floor. Interior wall finishes include gypsum wallboard, concrete, ceramic tiles with grout, and plaster. Floors are finished with vinyl floor tile, carpet, magnesite, wood, and concrete. Ceilings are comprised of gypsum, lay-in ceiling tiles, and plaster. Window assemblies are metal framed with double paned glass. A roofing replacement occurred in 2018 and a new Thermoplastic Polyolefin (TPO) singly-ply membrane has been installed over the existing asphaltic built-up roof. Roof sampling was not conducted at the time of this investigation.

#### **ASBESTOS SUMMARY**

Areas within the scope of work at Clarke Hall and Lloyd Auditorium were inspected by a PBS Asbestos Hazard Emergency Response Act (AHERA) accredited inspector to determine the presence, location, and approximate quantity of ACMs. Thirty-one bulk samples of building materials, suspected of containing asbestos, were collected and submitted under chain of custody to Eurofins Lab/Cor Inc. of Portland, Oregon, for polarized light microscopy (PLM) analysis. The following materials were found to contain asbestos:

- Asbestos-containing brown/black felt paper vapor barrier with mastic was discovered on the exterior of Clarke Hall and Lloyd Auditorium. This material is concealed behind metal flashing and applied with an asphaltic tar to exterior brick walls.
- Asbestos-containing white fluffy fibrous texture is present throughout the ceiling in Office 107. This material is highly friable when impacted and is applied to a gypsum ceiling.
- Asbestos-containing vinyl floor tile with asbestos-containing black mastic was discovered in Office 107. These materials are concealed under carpet and applied to concrete.

- Asbestos-containing dark gray and brittle door frame caulking was found on four (4) door frames. This material is applied on the interior of the large silver metal door frames at Lloyd Auditorium.
- Asbestos-containing pipe insulation and associated asbestos-containing mudded hard fittings are present. Pipe insulation and mudded hard fittings previously tested positive throughout the buildings. These materials were observed above lay-in ceiling tile grid systems and metal lathe and plaster hard lids. These materials likely exist in concealed locations throughout the survey scope of work.

Refer to the attached bulk sample inventory for greater detail of the samples collected and corresponding results.

PBS endeavored to locate all assessable suspect asbestos-containing materials within the project scope; however, suspect asbestos-containing materials 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.

#### **Asbestos Regulations**

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

Materials with <1% asbestos are not regulated by the Environmental Protection Agency (EPA) and may be disposed of as general construction debris. However, workers impacting these materials must adhere to regulatory requirements outlined in Washington Administrative Code (WAC) 296-62-07712 (2) and training as outlined in WAC 296-62-07722 (5) and WAC 296-62-0728. Personal protective equipment and proper work practices are required pending the completion of a negative exposure assessment.

The Occupational Safety and Health Administration (OSHA) provides federal regulations governing asbestos (29 CFR Part 1926, 1101). These regulations have made significant changes in work procedures and how ACM are removed. OSHA believes that the single biggest problem is to 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 the Southwest Clean Air Agency (SWCAA) regulations.

#### LEAD SUMMARY

Paint was sampled for lead content for the sake of hazard communication. Three paint chip samples were collected from major representative building components of the building. The samples were analyzed by flame atomic absorption (FLAA). Lead was present above the analytical limit of detection in all 3 of the paint chip samples tested with concentrations ranging between 358 parts per million (ppm) to 3,030 ppm. Please refer to the lead paint sample inventory, lab reports, and survey drawings for specific results, descriptions, and locations.

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

There are several applicable definitions of lead-based paint. The Consumer Product Safety Commission limit (for consumer products) is 0.009% or 90 ppm or greater. The Department of Housing and Urban Development (HUD) defines lead-based paint as that which contains 0.5% or 5,000 ppm. Under OSHA, **any amount** of lead triggers requirements in the OSHA Lead in Construction Standard, 29 CFR 1926.62.

Washington Labor and Industries regulations for Lead in Construction (WAC 296-62-155), govern the impact of painted surfaces with detectable concentrations of lead. The WAC standard outlines worker exposure limits, personal protection requirements, and employer responsibility for exposure assessment, training, housekeeping, and recordkeeping. OSHA's lead standard applies to all work where employees may be exposed to lead in construction, alteration, or repair activities. This includes demolition and/or renovation of structures where lead-containing paint is present.

#### Disposal

Under WAC 173-303 Dangerous Waste Regulations, waste characterization should be performed via TCLP in accordance with EPA Method 1311 for waste streams suspected of containing lead prior to disposal. PBS did identify lead-containing paint within the scope of this investigation. Refer to the WAC Dangerous Waste Regulations for proper disposal of lead-based painted demolition waste.

#### POLYCHLORINATED BIPHENYLS (PCBS) SUMMARY

PBS inspected representative light fixture ballasts throughout the survey scope of work area and found newer electronic ballasts. Electronic ballasts do not have potential PCB-containing oil; however, magnetic ballasts do. Magnetic ballasts, regardless of "No PCBs" labeling, should be presumed to contain PCBs and should be properly removed, stored, transported, and disposed of in accordance with applicable regulations. Because of the limited nature of the light fixture ballast investigation, PBS recommends that all light fixture ballasts be inspected prior to demolition activities. If there is visual evidence that a ballast is magnetic/PCB-containing or there is suspicion of a PCB leak or spill, a qualified contractor should handle and dispose of the light ballast and contaminated fixture.

Exterior caulking and sealants were tested for the presence of PCBs. The samples were assigned unique identification numbers and transmitted to an accredited laboratory under chain-of-custody protocols in accordance with EPA Method 8082A. The analysis determined detectable concentrations of PCBs in 1 of the 5 samples collected with a concentration of 1.4 ppm. 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.

Refer to attached PCB sample inventories for more information on PCB content, components tested, sample description, 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 Code of Federal Regulations (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 (>50 ppm) 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.

#### **MERCURY SUMMARY**

Fluorescent and high-intensity discharge (HID) lamps are known to contain mercury. PBS noted approximately 100 fluorescent lamps including 4-foot tubes in the scope of work. PBS recommends that all fluorescent and HID lamps be handled and recycled in accordance with applicable regulations prior to demolition activities. Breakage of lamps is to be prevented. All lamps should be properly packaged and recycled or disposed of at a facility permitted to accept such material. The Division of Occupational Safety and Health (DOSH) requires specific training, handling, engineering controls, and disposal practices when performing this work.

#### **Mercury Regulations**

Please refer to the following documents for requirements regarding mercury-containing equipment:

- 1. US Department of Labor, Occupational Safety and Health Administration (OSHA)
- 2. RCRA, Resource Conservation and Recovery Act, 40 CFR Part 2761, Subpart D., 40 CFR 273

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 Materials Survey Drawing (HS1) Hazardous Building Materials Sampling Inventories Laboratory Data AHERA Certification

# **GENERAL NOTES**

- 1. THIS DRAWING IS DIAGRAMMATIC. IT IS FOR GENERAL INFORMATION AND SAMPLE LOCATIONS.
- 2. ACCESSIBLE SPACES WERE SURVEYED FOR SUSPECT HAZARDOUS MATERIALS. WHEN OBSERVED, THE MATERIALS WERE NOTED ON THE DRAWING.

# ASBESTOS SAMPLE SYMBOLS

— DRAWING REFERENCE TO BULK SAMPLE FIELD CODE
SEE INVENTORY OF SAMPLES
— MATERIAL SYMBOL

NOT	NEGATIVE	POSITIVE
TESTED	-	+

 $\Diamond$ 

$\bigcirc$	$\ominus$	THERMAL SYSTEM INSULATION

- SURFACING MATERIAL
- ♦ MISCELLANEOUS MATERIAL

# INVENTORY OF ASBESTOS SAMPLES

DRAWING REFERENCE	FIELD CODE	LAB RESULT	MATERIAL SAMPLED
DRAWING REFERENCE 001 002 003 004 005 006 007 008 009 010 011 012 013 014 015 016 017 016 017 018 019 020 021 020 021	FIELD CODE 25570.007-0002 25570.007-0003 25570.007-0003 25570.007-0005 25570.007-0006 25570.007-0007 25570.007-0009 25570.007-0009 25570.007-0010 25570.007-0011 25570.007-0012 25570.007-0013 25570.007-0014 25570.007-0015 25570.007-0016 25570.007-0018 25570.007-0018 25570.007-0020 25570.007-0020 25570.007-0020	LAB RESULT (-) (-/-/-/-) (-) (-/-/-/-) (-) (-) (-) (-) (-) (-) (-) (-) (-) (	MATERIAL SAMPLED CONCRETE CAULK (01) BUILT-UP ROOFING TAR BUILT-UP ROOFING WALL AND CEILING PLASTER VAPOR BARRIER CAULK (02) CAULK (03) BUILT-UP ROOFING CAULK (01) CAULK (03) WALL AND CEILING PLASTER CAULK (04) CAULK (05) CAULK (05) CAULK (05) CAULK (06) ASPHALT IMPREGNATED PAPER CAULK (07) MASTIC COVEBASE/MASTIC (01) GYPSUM WALLBOARD/ JOINT COMPOUND LAY-IN CEILING TILE (01) LAY-IN CEILING TILE (02)
<ul> <li>023</li> <li>024</li> <li>025</li> <li>026</li> <li>027</li> <li>028</li> <li>029</li> <li>030</li> <li>031</li> </ul>	25570.007-0023 25570.007-0024 25570.007-0025 25570.007-0026 25570.007-0027 25570.007-0028 25570.007-0029 25570.007-0030 25570.007-0031	(-) (+) (-/+)+ (-)-) (+) (-) (-)	TERRAZZO CEILING VINYL FLOOR TILE/MASTIC COVEBASE/MASTIC (02) WALL AND CEILING PLASTER CAULK (08) WALL AND CEILING PLASTER PAPER FELT



A 1007 DRAWING REFERENCE TO LEAD SAMPLE FIELD CODE, SEE INVENTORY OF SAMPLES

MATERIAL SYMBOL

LEAD DETECTED	$\triangle$	BELOW THE LIMIT OF DETECTION

# INVENTORY OF AA LEAD SAMPLES

NUMBER	CODE	(ppm)	DESCRIPTION
▲1001	25570.007-1001	2,920	PAINT ON NW CANOPY SUPPORT POLE, METAL, OFF-WHITE, DAMAGED
▲1002	25570.007-1002	3,030	PAINT ON PASSAGE BETWEEN CLARKE HALL AND LLYOD, DOOR FRAME, METAL, DARK
▲ 1003	25570.007-1003	358	GRAY, INTACT PAINT ON OFFICE 107, EAST WALL, CONCRETE, LIGHT WHITE, DAMAGED

### PCB SAMPLE SYMBOLS

⊗ PCB-# PCB SAMPLE LOCATION AND NUMBER

# PCB SAMPLE INVENTORY

SAMPLE NUMBER	LOCATION	COMPONENT	LAB RESULT <sup>1</sup>	REGULATORY LIMIT <sup>1</sup>
PCB-01	EXTERIOR NORTHEAST CANOPY AT FLASHING ON BRICK WALL	DARK GRAY FLEXIBLE FLASHING CAULKING	ND	
PCB-02	EXTERIOR AROUND PERIMETER OF NORTHWEST DOOR FRAME UNDER CANOPY	LIGHT GRAY FLEXIBLE CAULKING	ND	50 ppm
PCB-03	EXTERIOR AROUND PERIMETER OF NORTHWEST DOOR FRAME	WHITE STICKY CAULKING	AROCLOR-1254 – 1.4 TOTAL PCBS = 1.4 PPM	PCB BULK PRODUC WASTE UNDER THI TOXIC SUBSTANCE
PCB-04	EXTERIOR AROUND PERIMETER NORTHEAST HANDICAP DOOR FRAME	RED BRITTLE/FLEXIBLE CAULKING	ND	CONTROL ACT (40 CFR PART 761)
PCB-05	INTERIOR NORTHEAST DOOR AT METAL DOOR FRAME SEAMS	DARK GRAY BRITTLE CAULKING	ND	
PPM = PA	ARTS PER MILLION; ND = NON-DET	ECT (BELOW LABORATORY REPORTIN	NG LIMIT. SEE LAB REPOR	RT FOR FURTHER DETAI

ULL SIZE SHEET FORMAT IS 24X36; IF PRINTED SIZE IS NOT 24X36, THEN THIS SHEET FORMAT HAS BEEN MODIFIED & INDICATED DRAWING SCALE IS NOT ACCURATE.





# FIRST FLOOR







<u>Code</u>	<u>Material</u>		<u>Location</u>	<u>Results</u>	<u>Lab</u>
25570.007-0001	Concrete		Southeast canopy, deck gray co	ncrete	Eurofins LabCor PDX
		Layer:	Description:	Analysis:	
		Layer 1	Gray Cementitious Material	No Asbestos Detected	
25570.007-0002	Caulk (01)		Southeast canopy, at flashing or	n brick, gray flexible caulk	Eurofins LabCor PDX
		Layer:	Description:	Analysis:	
		Layer 1	Blue Sealant	No Asbestos Detected	
		Layer 2	White Fibrous Material with Red Coating	No Asbestos Detected	
25570.007-0003	Built-up Roofing		Southeast canopy, on concrete, membrane, isoboard	white single ply	Eurofins LabCor PDX
		Layer:	Description:	Analysis:	
		Layer 1	White Woven Material with White Coating	No Asbestos Detected	
		Layer 2	Green Mastic	No Asbestos Detected	
		Layer 3	Black Felt with Mastic	No Asbestos Detected	
		Layer 4	Yellow Foam	No Asbestos Detected	
25570.007-0004	Tar		Southeast canopy, on concrete oblack asphaltic tar	under built-up roofing,	Eurofins LabCor PDX
		Layer:	Description:	Analysis:	
		Layer 1	Black Tar with Brown Debris	No Asbestos Detected	
25570.007-0005	Built-up Roofing		Northeast canopy, white single p with fibrous white backing	bly membrane, isoboard,	Eurofins LabCor PDX
		Layer:	Description:	Analysis:	
		Layer 1	Pink Woven Material with Blue/White Coating	No Asbestos Detected	
		Layer 2	Brown/Gray Felt with Yellow Foam	No Asbestos Detected	
		Layer 3	Gray/White Semi-Fibrous Material with Yellow/Transparent Mastic	No Asbestos Detected	
		Layer 4	Yellow Foam	No Asbestos Detected	
		Layer 5	White Semi-Fibrous Material	No Asbestos Detected	
25570.007-0006	Wall and Ceiling F	Plaster	Northeast canopy, under side of gray plaster	canopy on wire lathe,	Eurofins LabCor PDX
		Layer:	Description:	Analysis:	
		Layer 1	Gray Cementitious Material with Paint	No Asbestos Detected	

<u>Code</u>	<u>Material</u>		<u>Location</u>	<u>Results</u>	<u>Lab</u>
25570.007-0007	Vapor Barrier		Northeast canopy, behind flashi wall, black asphaltic tar and blac barrier	ng on divine exterior brick k paper-like felt vapor	Eurofins LabCor PDX
		Layer:	Description:	Analysis:	
		Layer 1	Black Mastic	No Asbestos Detected	
		Layer 2	Brown/Black Felt with Mastic	40% Chrysotile	
		Layer 3	Semi-Transparent Mastic	No Asbestos Detected	
25570.007-0008	Caulk (02)		Northeast canopy on brick wall a flexible caulking	around flashing, dark gray	Eurofins LabCor PDX
		Layer:	Description:	Analysis:	
		Layer 1	Gray Sealant	No Asbestos Detected	
25570.007-0009	Caulk (03)		Northeast canopy, behind flashi sticky caulking	ng on brick wall, white	Eurofins LabCor PDX
		Layer:	Description:	Analysis:	
		Layer 1	White Sealant with Debris	No Asbestos Detected	
25570.007-0010	Built-up Roofing		Northwest canopy, on wood, wh isoboard with fibrous white back	ite single ply membrane, sing and isoboard	Eurofins LabCor PDX
		Layer:	Description:	Analysis:	
		Layer 1	White Woven Material with Black/White Coating	No Asbestos Detected	
		Layer 2	Gray/White Semi-Fibrous Material with Mastic	No Asbestos Detected	
		Layer 3	Yellow Foam with Gray/White Semi-Fibrous Material	No Asbestos Detected	
		Layer 4	Yellow Foam with Dark Gray Felt 1	No Asbestos Detected	
		Layer 5	Yellow Foam with Dark Gray Felt 2	No Asbestos Detected	
25570.007-0011	Caulk (01)		Northwest canopy, at flashing, o	n brick gray flexible caulk	Eurofins LabCor PDX
		Layer:	Description:	Analysis:	
		Layer 1	Gray Sealant	No Asbestos Detected	
		Layer 2	Red-Brown Powdery Material	No Asbestos Detected	
25570.007-0012	Caulk (03)		Northwest canopy, behind flashi sticky caulking	ng on brick wall, white	Eurofins LabCor PDX
		Layer:	Description:	Analysis:	
		Layer 1	White Sealant	No Asbestos Detected	
		Layer 2	Blue-Green Fibrous Material	No Asbestos Detected	
		Layer 3	Red-Brown Powdery Material	No Asbestos Detected	

<u>Code</u>	<u>Material</u>		<u>Location</u>	<u>Results</u>	<u>Lab</u>
25570.007-0013	Wall and Ceiling	Plaster	Northwest canopy, under side gray plaster	of canopy on wire lathe,	Eurofins LabCor PDX
		Layer:	Description:	Analysis:	
		Layer 1	Gray Cementitious Material	No Asbestos Detected	
25570.007-0014	Caulk (04)		Northwest canopy, at wall pene red/gray soft caulking	etration around conduit,	Eurofins LabCor PDX
		Layer:	Description:	Analysis:	
		Layer 1	Gray Sealant	No Asbestos Detected	
25570.007-0015	Caulk (05)		Northwest canopy doorframe, brick and metal, gray flexible ca	around perimeter between aulking	Eurofins LabCor PDX
		Layer:	Description:	Analysis:	
		Layer 1	Gray Caulk	No Asbestos Detected	
25570.007-0016	Caulk (06)		Northwest entry door to Clark, around perimeter doorframe, white sticky caulking		Eurofins LabCor PDX
		Layer:	Description:	Analysis:	
		Layer 1	Tan Caulk	No Asbestos Detected	
25570.007-0017 Asphalt Impregnated Paper		ated Paper	Northwest entry door to Clark, top of door under metal flashing, brown paper-like tar paper		Eurofins LabCor PDX
		Layer:	Description:	Analysis:	
		Layer 1	Black Non-Fibrous Material	No Asbestos Detected	
25570.007-0018	Caulk (07)		Northeast wheelchair access do doorframe, red flexible caulking	oor for Lloyd, around metal J	Eurofins LabCor PDX
		Layer:	Description:	Analysis:	
		Layer 1	Red Caulk	No Asbestos Detected	
25570.007-0019	Mastic		Northwest end of west hall in C mastic	lark, under carpet, cream	Eurofins LabCor PDX
		Layer:	Description:	Analysis:	
		Layer 1	Off-White Mastic	No Asbestos Detected	
25570.007-0020	Covebase/Mastic	: (01)	Northwest end of west hall in C door, 4" black covebase with cr	Clark, on furred out wall by ream mastic	Eurofins LabCor PDX
		Layer:	Description:	Analysis:	
		Layer 1	Gray Cove Base	No Asbestos Detected	
		Layer 2	Tan Mastic	No Asbestos Detected	

<u>Code</u>	<u>Material</u>		<u>Location</u>	<u>Results</u>	<u>Lab</u>
25570.007-0021	Gypsum Wallboa Compound	rd/Joint	Northwest end of west hall in Cl wallboard with white compound	ark, furred out wall, white I	Eurofins LabCor PDX
		Layer:	Description:	Analysis:	
		Layer 1	Off-White Joint Compound	No Asbestos Detected	
		Layer 2	Off-White Drywall with Brown Paper	No Asbestos Detected	
25570.007-0022	Lay-in Ceiling Tile	e (01)	Northwest end of west hall in Cl fiberglass lay-in ceiling tile	ark, 2'x4' white textured	Eurofins LabCor PDX
		Layer:	Description:	Analysis:	
		Layer 1	Yellow Insulation with white coating	No Asbestos Detected	
25570.007-0023	Lay-in Ceiling Tile	e (02)	Northwest end of west hall in Cl and pinhole lay-in ceiling tile	ark, 2'x4' white fissured	Eurofins LabCor PDX
		Layer:	Description:	Analysis:	
		Layer 1	Tan Ceiling Tile with White Surface	No Asbestos Detected	
25570.007-0024	Terrazzo		Northwest end of west hall, blac	k terrazzo flooring	Eurofins LabCor PDX
		Layer:	Description:	Analysis:	
		Layer 1	Gray Powdery Material with off-white paint	No Asbestos Detected	
		Layer 2	Tan Mastic	No Asbestos Detected	
25570.007-0025	Ceiling		Office 107 ceiling, fluffy fibrous	white ceiling material	Eurofins LabCor PDX
		Layer:	Description:	Analysis:	
		Layer 1	White Powdery Material	10% Chrysotile	
25570.007-0026	Vinyl Floor Tile/№	lastic	Office 107 under carpet on conc with black mastic and yellow car	rete red vinyl floor tile pet mastic	Eurofins LabCor PDX
		Layer:	Description:	Analysis:	
		Layer 1	Tan Mastic	No Asbestos Detected	
		Layer 2	Red Floor Tile	3% Chrysotile	
		Layer 3	Black Mastic	3% Chrysotile	
25570.007-0027	Covebase/Mastic	(02)	Office 107, east concrete wall, 4' covebase with cream mastic	' gray/brown vinyl	Eurofins LabCor PDX
		Layer:	Description:	Analysis:	
		Layer 1	Gray Cove Base	No Asbestos Detected	
		Layer 2	Off-White Mastic	No Asbestos Detected	

<u>Code</u>	<u>Material</u>		<u>Location</u>	<u>Results</u>	<u>Lab</u>
25570.007-0028	Wall and Ceiling P	laster	Passage between Clark Hall and ceiling	Lloyd, white plaster on	Eurofins LabCor PDX
		Layer:	Description:	Analysis:	
		Layer 1	Off-White Powdery Material	No Asbestos Detected	
25570.007-0029	Caulk (08)		Lloyd northeast door, interior on caulking	metal, dark gray brittle	Eurofins LabCor PDX
		Layer:	Description:	Analysis:	
		Layer 1	Silver Caulk	6% Chrysotile	
25570.007-0030	Wall and Ceiling P	laster	Lloyd southwest door, wall arour with paint	nd frame, white plaster	Eurofins LabCor PDX
		Layer:	Description:	Analysis:	
		Layer 1	Gray/White Powdery Material	No Asbestos Detected	
25570.007-0031	Paper Felt		Lloyd passage behind radiator co gasket	over, fibrous felt paper	Eurofins LabCor PDX
		Layer:	Description:	Analysis:	
		Layer 1	Gray Fibrous Material	No Asbestos Detected	

<u>Code</u>	<u>Material</u>	<u>Analysis</u>	Location	<u>Lab</u>
PAINT				
LB25570.007-1001	Paint	2,920 ppm	NW Canopy support pole, metal, off-white, damaged	R.J. Lee Group
LB25570.007-1002	Paint	3,030 ppm	Office 107, east wall, concrete, light white, damaged	R.J. Lee Group
LB25570.007-1003	Paint	358 ppm	Passage between Clarke Hall and Llyod, door frame, metal, dark gray, intact	R.J. Lee Group





#### Bulk Sample Inventory of PCB Containing Materials WA DES CDHY Clarke Hall & Lloyd Auditorium

PBS Project 25570.007, Phase 0001

Sample #	Location	Component	Results
PCB-001	Exterior Northeast Canopy at Flashing on Brick Wall, Lloyd Auditorium	Dark Gray Flexible Flashing Caulking	ND
PCB-002	Exterior Around Perimeter of Northwest Door Frame Under Canopy, Clarke Hall	Light Gray Flexible Caulking	ND
PCB-003	Exterior Around Perimeter of Northwest Door Frame, Clarke Hall	White Sticky Caulking	Aroclor-1254 – 1.4 Total PCBs = 1.4 ppm
PCB-004	Exterior Around Perimeter Northeast Handicap Door Frame, Lloyd Auditorium	Red Brittle/Flexible Caulking	ND
PCB-005	Interior Northeast Door at Metal Door Frame Seams, Lloyd Auditorium	Dark Gray Brittle Caulking	ND

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



**Built Environment Testing** 

Report for:

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

Regarding:

Eurofins EPK Built Environment Testing, LLC Project: 25570.007 Phase 0001 EML ID: 3593487

Approved by:

Ryan M. Telaster Bran

Technical Manager Ryan Talaski-Brown

Dates of Analysis: Asbestos PLM: 04-01-2024 and 04-02-2024

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.

#### **Eurofins EPK Built Environment Testing, LLC**

4321 S. Corbett Ave. Suite A, Portland, OR 97239 (800) 651-4802 www.eurofinsus.com/Built

Client: PBS Engineering and Environmental: Portland C/O: John Yuly Re: 25570.007 Phase 0001

Date of Sampling: 04-01-2024 Date of Receipt: 04-01-2024 Date of Report: 04-02-2024

#### ASBESTOS PLM REPORT

	Total Samples Submitted:	14
	Total Samples Analyzed:	14
	Total Samples with Layer Asbestos Content > 1%:	1
on: 25570.007-0001	Lab ID-Version <sup>±</sup>	: 17571983-1

#### Location: 25570.007-0001

Sample Layers	Asbestos Content
Gray Cementitious Material	ND
Sample Composite Homogeneity:	Moderate

#### Location: 25570.007-0002

Location: 25570.007-0002	Lab ID-Version‡: 17571984-1
Sample Layers	Asbestos Content
Blue Sealant	ND
White Fibrous Material with Red Coating	ND
Composite Non-Asbestos Content:	2% Synthetic Fibers
Sample Composite Homogeneity:	Moderate

#### Location: 25570.007-0003

Location: 25570.007-0003	Lab ID-Version‡: 17571985-1
Sample Layers	Asbestos Content
White Woven Material with White Coating	ND
Green Mastic	ND
Black Felt with Mastic	ND
Yellow Foam	ND
Composite Non-Asbestos Content:	15% Synthetic Fibers
	10% Cellulose
	3% Glass Fibers
Sample Composite Homogeneity:	Poor

#### Location: 25570.007-0004

Location: 25570.007-0004	Lab ID-Version‡: 17571986-1
Sample Layers	Asbestos Content
Black Tar with Brown Debris	ND
Composite Non-Asbestos Content:	2% Glass Fibers
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".

Eurofins EPK Built Environment Testing, LLC

#### **Eurofins EPK Built Environment Testing, LLC**

4321 S. Corbett Ave. Suite A, Portland, OR 97239 (800) 651-4802 www.eurofinsus.com/Built

Client: PBS Engineering and Environmental: Portland C/O: John Yuly Re: 25570.007 Phase 0001 Date of Sampling: 04-01-2024 Date of Receipt: 04-01-2024 Date of Report: 04-02-2024

#### **ASBESTOS PLM REPORT**

#### Location: 25570.007-0005

Sample Layers	Asbestos Content
Pink Woven Material with Blue/White Coating	ND
Brown/Gray Felt with Yellow Foam	ND
Gray/White Semi-Fibrous Material with Yellow/Transparent Mastic	ND
Yellow Foam	ND
White Semi-Fibrous Material	ND
Composite Non-Asbestos Content:	15% Synthetic Fibers
	10% Cellulose
	10% Glass Fibers
Sample Composite Homogeneity:	Poor

#### Location: 25570.007-0006

Sample Layers	Asbestos Content
Gray Cementitious Material with Paint	ND
Sample Composite Homogeneity:	Moderate

#### Location: 25570.007-0007

Sample Layers	Asbestos Content
Black Mastic	ND
Brown/Black Felt with Mastic	40% Chrysotile
Semi-Transparent Mastic	ND
Composite Non-Asbestos Content:	25% Cellulose
Sample Composite Homogeneity:	Moderate

#### Location: 25570.007-0008

Sample Layers	Asbestos Content
Gray Sealant	ND
Composite Non-Asbestos Content:	5% 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.

 $\ddagger$  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".

Eurofins EPK Built Environment Testing, LLC

EMLab ID: 3593487, Page 3 of 5

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Lab ID-Version 17571988-1

Lab ID-Version #: 17571987-1

Lab ID-Version‡: 17571989-1

Lab ID-Version 17571990-1

4321 S. Corbett Ave. Suite A, Portland, OR 97239 (800) 651-4802 www.eurofinsus.com/Built

Lab ID-Version #: 17571991-1

Client: PBS Engineering and Environmental: Portland C/O: John Yuly Re: 25570.007 Phase 0001

Date of Sampling: 04-01-2024 Date of Receipt: 04-01-2024 Date of Report: 04-02-2024

#### ASBESTOS PLM REPORT

#### Location: 25570.007-0009

Sample Layers	Asbestos Content
White Sealant with Debris	ND
Sample Composite Homogeneity:	Good

#### Location: 25570.007-0010

Location: 25570.007-0010	Lab ID-Version‡: 17571992-1
Sample Layers	Asbestos Content
White Woven Material with Black/White Coating	ND
Gray/White Semi-Fibrous Material with Mastic	ND
Yellow Foam with Gray/White Semi-Fibrous Material	ND
Yellow Foam with Dark Gray Felt 1	ND
Yellow Foam with Dark Gray Felt 2	ND
Composite Non-Asbestos Content:	15% Cellulose
	10% Glass Fibers
	5% Synthetic Fibers
Sample Composite Homogeneity:	Poor

#### Location: 25570.007-0011

Location: 25570.007-0011	Lab ID-Version‡: 17571993-1
Sample Layers	Asbestos Content
Gray Sealant	ND
Red-Brown Powdery Material	ND
Composite Non-Asbestos Content:	5% Cellulose
Sample Composite Homogeneity:	Good

#### Location: 25570.007-0012

Location: 25570.007-0012	Lab ID-Version‡: 17571994-1
Sample Layers	Asbestos Content
White Sealant	ND
Blue-Green Fibrous Material	ND
Red-Brown Powdery Material	ND
Composite Non-Asbestos Content:	2% Synthetic Fibers
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".

Eurofins EPK Built Environment Testing, LLC

#### **Eurofins EPK Built Environment Testing, LLC**

4321 S. Corbett Ave. Suite A, Portland, OR 97239 (800) 651-4802 www.eurofinsus.com/Built

Client: PBS Engineering and Environmental: Portland C/O: John Yuly Re: 25570.007 Phase 0001 Date of Sampling: 04-01-2024 Date of Receipt: 04-01-2024 Date of Report: 04-02-2024

#### **ASBESTOS PLM REPORT**

#### Location: 25570.007-0013

Sample Layers	Asbestos Content
Gray Cementitious Material	ND
Sample Composite Homogeneity:	Moderate

#### Location: 25570.007-0014

Sample Layers	Asbestos Content
Gray Sealant	ND
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.

 $\ddagger$  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".

Eurofins EPK Built Environment Testing, LLC

Lab ID-Version 17571996-1

Lab ID-Version #: 17571995-1





#### TRANSMITTAL AND CHAIN OF CUSTODY FOR ASBESTOS BULK SAMPLES

Project No.: 25570.007 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: April 01, 2024

PBS Engineering and Environmental Inc.

4412 S Corbett Avenue

Portland, OR 97239

503,248.1939, Fax: 866.727.0140

Name

Sender's ID No.

4

Date Time

Authorized Signature

Brief Description

25570.007-0001	
25570.007-0002	
25570.007-0003	
25570.007-0004	
25570.007-0005	
25570.007-0006	
25570.007-0007	
25570.007-0008	
25570.007-0009	
25570.007-0010	
25570.007-0011	
25570.007-0012	
25570.007-0013	
25570.007-0014	

PBS Engineering and Environmental Inc.

Company: Address:

Date Received:

RECEIVER

Eurofins LabCor PDX 4321 S Corbett Avenue Portland, OR 97239

(503) 224-5055

Name MLA

Authorized Signature

...

Date

Receiver's ID No.

ONALIUS





#### TRANSMITTAL AND CHAIN OF CUSTODY FOR ASBESTOS BULK SAMPLES

Please analyze the enclosed 14 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:

V



**Built Environment Testing** 

Report for:

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

Regarding:

Eurofins EPK Built Environment Testing, LLC Project: 25570.007 Phase 0001 EML ID: 3597764

Approved by:

Ryan M. Telaster Bran

Technical Manager Ryan Talaski-Brown

Dates of Analysis: Asbestos PLM: 04-08-2024

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.

#### **Eurofins EPK Built Environment Testing, LLC**

4321 S. Corbett Ave. Suite A, Portland, OR 97239 (800) 651-4802 www.eurofinsus.com/Built

. 10

Client: PBS Engineering and Environmental: Portland C/O: John Yuly Re: 25570.007 Phase 0001 Date of Sampling: 04-04-2024 Date of Receipt: 04-04-2024 Date of Report: 04-08-2024

#### ASBESTOS PLM REPORT

andiana 25570 007 0010

	Total Samples Submitted: 17	/
	Total Samples Analyzed: 17	7
Total	Samples with Layer Asbestos Content > 1%: 3	
Location: 25570.007-0015	Lab ID-Version‡: 1759:	5090-1
Sample Layers	Asbestos Content	
Gray Caulk	ND	
Sample Composite Homogeneity	Good	
Location: 25570.007-0016	Lab ID-Version‡: 1759	5091-1
Sample Layers	Asbestos Content	
Tan Caulk	ND	
Sample Composite Homogeneity	Good	
Location: 25570.007-0017	Lab ID-Version‡: 1759:	5092-1
Sample Layers	Asbestos Content	
Black Non-Fibrous Material	ND	
Sample Composite Homogeneity	Good	

Location: 25570.007-0018	Lab ID-Version‡: 17595093-1
Sample Layers	Asbestos Content
Red Caulk	ND
Sample Composite Homogeneity:	Good

Location: 25570.007-0019	Lao ID-version <sub>1</sub> : 17595094-1
Sample Layers	Asbestos Content
Off-White Mastic	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.

 $\ddagger$  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".

4321 S. Corbett Ave. Suite A, Portland, OR 97239 (800) 651-4802 www.eurofinsus.com/Built

Client: PBS Engineering and Environmental: Portland C/O: John Yuly Re: 25570.007 Phase 0001 Date of Sampling: 04-04-2024 Date of Receipt: 04-04-2024 Date of Report: 04-08-2024

#### **ASBESTOS PLM REPORT**

#### Location: 25570.007-0020

Sample Layers	Asbestos Content
Gray Cove Base	ND
Tan Mastic	ND
Sample Composite Homogeneity: Good	

#### Location: 25570.007-0021

	·
Sample Layers	Asbestos Content
Off-White Joint Compound	ND
Off-White Drywall with Brown Paper	ND
Composite Non-Asbestos Content:	5% Cellulose
Sample Composite Homogeneity:	Good

#### Location: 25570.007-0022

Sample Layers	Asbestos Content
Yellow Insulation with white coating	ND
Composite Non-Asbestos Content:	50% Glass Fibers
Sample Composite Homogeneity:	Good

#### Location: 25570.007-0023

Lab ID-Version 17595098-1

Lab ID-Version 17595097-1

Lab ID-Version \$\$: 17595095-1

Lab ID-Version<sup>‡</sup>: 17595096-1

Sample Layers	Asbestos Content
Tan Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	30% Cellulose
	30% Glass Fibers
Sample Composite Homogeneity:	Good

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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".

#### **Eurofins EPK Built Environment Testing, LLC**

4321 S. Corbett Ave. Suite A, Portland, OR 97239 (800) 651-4802 www.eurofinsus.com/Built

Lab ID-Version \$\$: 17595099-1

Lab ID-Version 17595101-1

Client: PBS Engineering and Environmental: Portland C/O: John Yuly Re: 25570.007 Phase 0001

Date of Sampling: 04-04-2024 Date of Receipt: 04-04-2024 Date of Report: 04-08-2024

#### ASBESTOS PLM REPORT

#### Location: 25570.007-0024

Sample Layers	Asbestos Content
Gray Powdery Material with off-white paint	ND
Tan Mastic	ND
Sample Composite Homogeneity: Good	

#### Location: 25570.007-0025

Location: 25570.007-0025	Lab ID-Version‡: 17595100-1
Sample Layers	Asbestos Content
White Powdery Material	10% Chrysotile
Sample Composite Homogeneity:	Poor

#### Location: 25570.007-0026

Sample Layers	Asbestos Content
Tan Mastic	ND
Red Floor Tile	3% Chrysotile
Black Mastic	3% Chrysotile
Sample Composite Homogeneity:	Good

Location: 25570.007-0027	Lab ID-Version‡: 17595102-1		
Sample Layers	Asbestos Content		
Gray Cove Base	ND		
Off-White Mastic	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".

#### **Eurofins EPK Built Environment Testing, LLC**

4321 S. Corbett Ave. Suite A, Portland, OR 97239 (800) 651-4802 www.eurofinsus.com/Built

Lab ID-Version #: 17595103-1

Lab ID-Version 17595105-1

Client: PBS Engineering and Environmental: Portland C/O: John Yuly Re: 25570.007 Phase 0001

Date of Sampling: 04-04-2024 Date of Receipt: 04-04-2024 Date of Report: 04-08-2024

#### ASBESTOS PLM REPORT

#### Location: 25570.007-0028

Sample Layers	Asbestos Content			
Off-White Powdery Material	ND			
Sample Composite Homogeneity: Poor				

Location: 25570.007-0029	Lab ID-Version‡: 175951		
Sample Layers	Asbestos Content		
Silver Caulk	6% Chrysotile		
Sample Composite Homogeneity:	Good		

#### Location: 25570.007-0030

Sample Layers	Asbestos Content
Gray/White Powdery Material	ND
Sample Composite Homogeneity:	Poor

#### Location: 25570.007-0031

Location: 25570.007-0031	Lab ID-Version‡: 17595106-1		
Sample Layers	Asbestos Content		
Gray Fibrous Material	ND		
Composite Non-Asbestos Content:	100% Synthetic Fibers		
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".





### TRANSMITTAL AND CHAIN OF CUSTODY FOR ASBESTOS BULK SAMPLES

Project No.: 25570.007 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: April 04, 2024

PBS Engineering and Environmental Inc.

4412 S Corbett Avenue

Portland, OR 97239

503.248.1939, Fax: 866.727.0140

Name

.

Time

Authorized Signature

. .....

Date Time

Sender's ID No.	Brief Description
25570.007-0015	
25570.007-0016	
25570.007-0017	
25570.007-0018	
25570.007-0019	
25570.007-0020	
25570.007-0021	
25570.007-0022	
25570.007-0023	
25570.007-0024	
25570.007-0025	
25570.007-0026	
25570.007-0027	
25570.007-0028	

RECEIVER Date Received:

Company: Eurofins LabCor PDX Address: 4321 S Corbett Aven

4321 S Corbett Avenue Portland, OR 97239

(503) 224-5055 OMA4 Name

Authorized Signature

Time

Date

Receiver's ID No.

PBS Engineering and Environmental Inc.





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### TRANSMITTAL AND CHAIN OF CUSTODY FOR ASBESTOS BULK SAMPLES

#### PBS Engineering and Environmental Inc.

#### LABORATORY REPORT

PBS Engineering & Environmental	
4412 South Corbett Ave	RJ Lee Group Job No.: PA030420240006
Portland, OR 97239	Samples Received: April 3, 2024
	Report Date: April 8, 2024
	Client Project: 25570.007 Phase 0007
Attn: Brian Wehner	Purchase Order No.: N/A
Phone: 503-248-1939	Matrix: Solid
	Prep/Analysis: EPA 3050B / EPA 6010C-Paint

#### Email: brian.wehner@pbsusa.com

			Sample Concentration		Minimum Reporting Limit				
Client Sample ID RJ Lee Group ID Sampling Date	Analyte	Weight Percent (%)	Parts per Million (PPM) - mg/kg	Weight Percent (%)	Parts per Million (PPM) - mg/kg	Analysis Date	Q		
LB25570.007-1001	PA030420240006-001	NP	Lead	0.292	2920	0.0121	121	4/4/2024	А
LB25570.007-1002	PA030420240006-002	NP	Lead	0.303	3030	0.0123	123	4/4/2024	А
LB25570.007-1003	PA030420240006-003	NP	Lead	0.0358	358	0.00123	12.3	4/4/2024	А

#### Comments:

Report	Ouali	fiers	(0):
rapore	×	1.010	(Rel-

P : PA-DEP Accredited (PA DEP Lab ID 02-00396, NELAP) N : NY ELAP Accredited (NY ELAP Lab Code 10884) E = Value above highest calibration standard J = Value below lowest calibration standard but above MDL (Method Detection Limit) L = LCS (Laboratory Control Standard)/SRM (Standard Reference Material) recovery outside accepted recovery limits H = Holding times for preparation or analysis exceeded

A: AIHA LAP, LLC Accredited (Lab ID 100364) H= Holding times for preparation or analysis exceeded

- : Test (analyte-matrix-preparation-analysis) is performed under RJLG's General Quality System requirements and is not part to any of the above scopes of accredidations

These results are submitted pursuant to RJ Lee Group's current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions. No responsibility or liability is assumed for the manner in which the results are used or interpreted. Unless notified in writing to return the samples covered by this report, RJ Lee Group will store the samples for a period of thirty (30) days before discarding. A shipping and handling fee will be assessed for the return of any samples.

This laboratory operates in accord with ISO 17025:2017 guidelines, and holds a limited scope of accreditations under different accrediting agencies; refer to http://www.rjlg.com/about-us/accreditations/ for more information and current status. Unless it is specifically stated otherwise (under the Q column using the appropriate accrediting agency qualifier(s)) the work contained in this report is performed under RJLG's General Quality System requirements and is not part of any scope of accreditations. This report may not be used to claim product endorsement by any laboratory accrediting agency. The results contained in this report relate only to the items tested or to the sample(s) as received by the laboratory. Any reproduction of this document must be in full for the report to be valid.

Unless otherwise noted (either in the comments section of the report and/or with the appropriate qualifiers under the report qualifiers (Q) column) the following apply: (a) Samples were received in good condition, (b) All QC samples are within acceptable established limits, (c) All samples designated as NELAP meet the requirements of the NELAC standard; if not applicable qualifiers will be used to designate the non-compliance and (d) Results have not been blank corrected. Quality Control data is available upon request.

Philip Grindle

*B* = Analyte detected in the associated Method Blank *S* = Spike Recovery outside accepted limits

NP = Not Provided

R = RPD (relative percent difference) outside accepted limits

D = RL (reporting limit verification) outside accepted limits

Philip Grindle Laboratory Supervisor
**PBS** 

### TRANSMITTAL AND CHAIN OF CUSTODY FOR LEAD BULK SAMPLES

Project No.: 25570.007 Phase 0007

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

Name

**Authorized Signature** 

Date Sent: April 02, 2024

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

WEHNER

RECEIVER

**Date Received:** OL

24 1015 AM

04/03

PA030420240006

Company: R.J. Lee Group Address: 350 Hochberg Road Monroeville, PA 15146 724-325-1776

haris Binurzo Name

Authorized Signature

Date

Sender's ID No. LB25570.007-1001	Brief Description	Receiver's ID No.
LB25570.007-1002		
_B25570.007-1003		
ANALYSIS REQUESTED: LEAD:  Paint Vipe Soil/Misc. Air TCLP	Please analyze the enclosed 3 samp PBS requests prior notification if sa Please fax and mail the results to th <u>TURNAROUND DESIRED:</u> 72 Hour	ple(s) for LEAD content using Atomic Absorption Method. amples will be disposed. he above address.
SPECIAL INSTRUCTIONS:		

02.76

Date

April 10, 2024

Joe Lucas **PBS Environmental - Vancouver** 1325 SE Tech Center Dr Suite 140 Vancouver, WA 98683



#### NVL Batch # 2405936.00

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

Client Project: 25570.007 Location: LLoyd/Clark

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,

Nick Ly, Technical Manager

Enc.: Sample results



#### **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 25570.007. 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.
В	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/m³	Micrograms per cubic meter.
ug/100cm <sup>2</sup>	Micrograms per hundred square centimeter.

# Polychlorinated Biphenyls by Gas Chromatography

Client: PBS Environmental - Vancouver Address: 1325 SE Tech Center Dr Suite 140 Vancouver, WA 98683

#### Attention: Mr. Joe Lucas

Project Location: LLoyd/Clark



#### Batch #: 2405936.00

Matrix: Bulk Analysis Method: EPA 8082 Preparation Method: EPA 3546 Client Project #: 25570.007 Date Received: 4/3/2024 Samples Received: 5 Samples Analyzed: 5

Sample Number Lab Sample ID Initial Sample Size	<b>25570.007-PCB-01</b> 24037538 0.6482 gm	Matri Units	ix s of Result	Bulk mg/Kg	
Analyte		RL	Final Result	Analysis Date	
Aroclor-1016		1.5	< 1.5	4/4/2024	
Aroclor-1221		1.5	< 1.5	4/4/2024	
Aroclor-1232		1.5	< 1.5	4/4/2024	
Aroclor-1242		1.5	< 1.5	4/4/2024	
Aroclor-1248		1.5	< 1.5	4/4/2024	
Aroclor-1254		1.5	< 1.5	4/4/2024	
Aroclor-1260	_	1.5	< 1.5	4/4/2024	
PCBs, Total		1.5	< 1.5		

Comments: Reporting limit raised due to small sample size.

### Polychlorinated Biphenyls by Gas Chromatography

Client: PBS Environmental - Vancouver Address: 1325 SE Tech Center Dr Suite 140 Vancouver, WA 98683

#### Attention: Mr. Joe Lucas

Project Location: LLoyd/Clark



#### Batch #: 2405936.00

Matrix: Bulk Analysis Method: EPA 8082 Preparation Method: EPA 3546 Client Project #: 25570.007 Date Received: 4/3/2024 Samples Received: 5 Samples Analyzed: 5

Sample Number Lab Sample ID	<b>25570.007-PCB-02</b> 24037539	Matr	ix	Bulk	
Initial Sample Size	1.8612 gm	Units	s of Result	mg/Kg	
Analyte		RL	Final Result	Analysis Date	
Aroclor-1016		1.1	< 1.1	4/4/2024	
Aroclor-1221		1.1	< 1.1	4/4/2024	
Aroclor-1232		1.1	< 1.1	4/4/2024	
Aroclor-1242		1.1	< 1.1	4/4/2024	
Aroclor-1248		1.1	< 1.1	4/4/2024	
Aroclor-1254		1.1	< 1.1	4/4/2024	
Aroclor-1260	_	1.1	< 1.1	4/4/2024	
PCBs, Total		1.1	< 1.1		

### Polychlorinated Biphenyls by Gas Chromatography

Client: PBS Environmental - Vancouver Address: 1325 SE Tech Center Dr Suite 140 Vancouver, WA 98683

#### Attention: Mr. Joe Lucas

Project Location: LLoyd/Clark



#### Batch #: 2405936.00

Matrix: Bulk Analysis Method: EPA 8082 Preparation Method: EPA 3546 Client Project #: 25570.007 Date Received: 4/3/2024 Samples Received: 5 Samples Analyzed: 5

Sample Number Lab Sample ID Initial Sample Size	<b>25570.007-PCB-03</b> 24037540 0.9133 gm		Matrix Units of Result	Bulk ma/Ka	
Analyte		RL	Final Result	Analysis Date	
Aroclor-1016		1.1	< 1.1	4/4/2024	
Aroclor-1221		1.1	< 1.1	4/4/2024	
Aroclor-1232		1.1	< 1.1	4/4/2024	
Aroclor-1242		1.1	< 1.1	4/4/2024	
Aroclor-1248		1.1	< 1.1	4/4/2024	
Aroclor-1254		1.1	1.4	4/4/2024	
Aroclor-1260		1.1	< 1.1	4/4/2024	
PCBs, Total		1.1	1.4		

### Polychlorinated Biphenyls by Gas Chromatography

Client: PBS Environmental - Vancouver Address: 1325 SE Tech Center Dr Suite 140 Vancouver, WA 98683

#### Attention: Mr. Joe Lucas

Project Location: LLoyd/Clark



### Batch #: 2405936.00

Matrix: Bulk Analysis Method: EPA 8082 Preparation Method: EPA 3546 Client Project #: 25570.007 Date Received: 4/3/2024 Samples Received: 5 Samples Analyzed: 5

Sample Number Lab Sample ID Initial Sample Size	<b>25570.007-PCB-04</b> 24037541 0.8474 gm	Matr Unit:	ix s of Result	Bulk mg/Kg	
Analyte		RL	Final Result	Analysis Date	
Aroclor-1016		1.2	< 1.2	4/4/2024	
Aroclor-1221		1.2	< 1.2	4/4/2024	
Aroclor-1232		1.2	< 1.2	4/4/2024	
Aroclor-1242		1.2	< 1.2	4/4/2024	
Aroclor-1248		1.2	< 1.2	4/4/2024	
Aroclor-1254		1.2	< 1.2	4/4/2024	
Aroclor-1260	_	1.2	< 1.2	4/4/2024	
PCBs, Total		1.2	< 1.2		

### Polychlorinated Biphenyls by Gas Chromatography

Client: PBS Environmental - Vancouver Address: 1325 SE Tech Center Dr Suite 140 Vancouver, WA 98683

#### Attention: Mr. Joe Lucas

Project Location: LLoyd/Clark



#### Batch #: 2405936.00

Matrix: Bulk Analysis Method: EPA 8082 Preparation Method: EPA 3546 Client Project #: 25570.007 Date Received: 4/3/2024 Samples Received: 5 Samples Analyzed: 5

Sample Number Lab Sample ID Initial Sample Size	<b>25570.007-PCB-05</b> 24037542 0.1741 gm		Matrix Units of Result	Bulk mg/Kg	
Analyte		RL	Final Resul	t Analysis Date	•
Aroclor-1016		5.7	< 5.7	4/4/2024	
Aroclor-1221		5.7	< 5.7	4/4/2024	
Aroclor-1232		5.7	< 5.7	4/4/2024	
Aroclor-1242		5.7	< 5.7	4/4/2024	
Aroclor-1248		5.7	< 5.7	4/4/2024	
Aroclor-1254		5.7	< 5.7	4/4/2024	
Aroclor-1260		5.7	< 5.7	4/4/2024	
PCBs, Total		5.7	< 5.7		

Comments: Reporting limit raised due to small sample size.

## **Quality Control Results**



Client Project #: 25570.007Batch #: 2405936.00Project Manager:Mr. Joe				e Lucas					
Preparation Method: Preparation Date: 4/4	EPA 3546 4/2024			Analysis	Descriptio	Ana on: Polychlor	lysis Meth inated Bip Cł	nod: EPA henyls b nromatog	A 8082 by Gas graphy
Blank: 2405936									
Analyte	Blank Results	Units	DF	RL		Control Lim	it		Qualifiers
Aroclor-1016 Aroclor-1221	ND ND	mg/Kg mg/Kg	1 1	1.00 1.00		1.00 1.00			
Aroclor-1232 Aroclor-1242	ND ND	mg/Kg mg/Kg	1 1	1.00 1.00		1.00 1.00			
Aroclor-1248 Aroclor-1254	ND ND	mg/Kg mg/Kg	1 1	1.00 1.00		1.00 1.00			
Aroclor-1260	ND	mg/Kg	1	1.00		1.00			
PCBs, Total Surrogates:	ND	mg/Kg	1		% Rec				
Tetrachloro-m-xylene			1		87	40-140			
Decachlorobiphenyl			1		110	40-140			
Lab Control Sam	ple: LCS 1	254-24059	36						
B	lank Spike Results	Units	DF	Spike	% Rec	Limite			Qualifiers
Aroclor-1254 Surrogates:	17	mg/Kg	1	20.00	85	40-140			
Tetrachloro-m-xylene			1		92	40-140			
Decachlorobiphenyl			1		110	40-140			
Lab Control Sam Lab Control Sam	ple: LCS 1 ple Duplic	016+1260- ate: LCS E	-2405 )up 1	936 016+1260					
E	lank Spike			Spike				RPD	
Analyte	Results	Units	DF	Conc	% Rec	Limits	RPD %	Limit	Qualifiers
Arocior-1016	15	mg/⊾g	I	20.00	75 75	40-140 40-140	5	50%	
Aroclor-1260	18 18	mg/Kg	1	20.00 20.00	90 90	40-140 40-140	2	50%	
Surrogates:			4		00	40 140			
retrachioro-m-xylene	;		1		92 81	40-140 40-140			
Decachlorobiphenyl			1		130 110	40-140 40-140			

### \* Recovery outside of control limits

Bench Run No: 2024-0403-5



### Surrogate Recovery Summary Report

Client PBS Environmental - Vancouver

Batch # 2405936.00

Project 25570.007

Customer Sample ID	Lab Sample ID	Analyte	Recovery	Limits
25570.007-PCB-01	24037538	Decachlorobiphenyl	74%	40-140
25570.007-PCB-01	24037538	Tetrachloro-m-xylene	100%	40-140
25570.007-PCB-02	24037539	Decachlorobiphenyl	85%	40-140
25570.007-PCB-02	24037539	Tetrachloro-m-xylene	110%	40-140
25570.007-PCB-03	24037540	Decachlorobiphenyl	70%	40-140
25570.007-PCB-03	24037540	Tetrachloro-m-xylene	83%	40-140
25570.007-PCB-04	24037541	Decachlorobiphenyl	67%	40-140
25570.007-PCB-04	24037541	Tetrachloro-m-xylene	82%	40-140
25570.007-PCB-05	24037542	Decachlorobiphenyl	85%	40-140
25570.007-PCB-05	24037542	Tetrachloro-m-xylene	77%	40-140



### **INITIAL AND CONTINUING CALIBRATION VERIFICATION**

				Solution			
Sample	Analyzed	Analyte	Target	Conc	Unit	% Rec	Limits
ICV-1016	4/3/2024	Aroclor-1016	5.0	4.83	ug/mL	97	85-115
ICV-1254	4/3/2024	Aroclor-1254	5.0	5.04	ug/mL	101	85-115
ICV-1260	4/3/2024	Aroclor-1260	5.0	5.38	ug/mL	108	85-115
CCV1-1016	4/3/2024	Aroclor-1016	5.0	4.80	ug/mL	96	80-120
CCV1-1254	4/3/2024	Aroclor-1254	5.0	4.46	ug/mL	89	80-120
CCV1-1260	4/3/2024	Aroclor-1260	5.0	4.52	ug/mL	90	80-120
CCV2-1016	4/3/2024	Aroclor-1016	5.0	5.38	ug/mL	108	80-120
CCV2-1254	4/3/2024	Aroclor-1254	5.0	5.16	ug/mL	103	80-120
CCV2-1260	4/3/2024	Aroclor-1260	5.0	5.24	ug/mL	105	80-120
CCV3-1016	4/3/2024	Aroclor-1016	5.0	5.27	ug/mL	105	80-120
CCV3-1254	4/3/2024	Aroclor-1254	5.0	4.96	ug/mL	99	80-120
CCV3-1260	4/3/2024	Aroclor-1260	5.0	5.15	ug/mL	103	80-120
CCV4-1016	4/3/2024	Aroclor-1016	5.0	5.52	ug/mL	110	80-120
CCV4-1254	4/3/2024	Aroclor-1254	5.0	5.14	ug/mL	103	80-120
CCV4-1260	4/3/2024	Aroclor-1260	5.0	5.22	ug/mL	104	80-120

\* Percent recovery not within control limits

### **ORGANICS LABORATORY SERVICES**



Company	PBS Environmental - Vancouver	NVL Batch Number 2405936.00
Address	1325 SE Tech Center Dr Suite 140	TAT 5 Days AH No
	Vancouver, WA 98683	Rush TAT
Project Manager	Mr. Joe Lucas	Due Date 4/10/2024 Time 4:20 PM
Phone	(360) 695-3488	Email joe.lucas@pbsusa.com
Cell	(206) 510-8038	Fax () -

Project Name/Number: 25570.007	Project Location: LLoyd/Clark

Subcategory Quantitative analysis

Item Code ORG-05 8082 PCB Aroclors <Bulk>

### Total Number of Samples 5

#### Rush Samples \_\_\_\_ Lab ID Sample ID Description A/R 1 24037538 25570.007-PCB-01 А 2 24037539 25570.007-PCB-02 А 3 24037540 25570.007-PCB-03 А 4 24037541 25570.007-PCB-04 А 5 24037542 25570.007-PCB-05 А

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	UPS				
Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Rachelle Miller		NVL	4/3/24	1620
Analyzed by	Evelyn Ahulu		NVL	4/4/24	
Results Called by					
Faxed Emailed					
Special Instructions:					

Date: 4/3/2024 Time: 4:20 PM Entered By: Rachelle Miller

24	0	5	9	3	6



## PCB'S CHAIN OF CUSTODY

Turn Around Time		
🖬 1 Hour	24 Hours	24
2 Hours	2 Days	(13)5
4 Hours	3 Days	01

D 4 Days 5 Days 10 Days

12:45

11

Please call for TAT less than 24 Hours

Compan	PBS Engineering and En	vironmental	Project Mapager	Joe Lucas		
Addres	1325 SE Tech Center Dr	ive, Suite 140	Coll	(206) 510	- 8038	
Addres	Vancouver, WA. 98683	3	Email	joe.lucas@pbsu	sa.com	
Phon	e		Fax	( )	-	
Project Name/	Number: 25570 / 7	Project Location / /	ONDICIM	17		
			UTI)/CLIM	K		
	PCB's Air	🕅 PC	B's Bulk			
	PCB Wipe		B BTEX			
Reporting	nstructions					1
	) -	D Fax ( )	- V	Email BRIAN, 11	HALL EN QUPBSI F	A. Can
			t	Jennan <u>roterino (A</u>		
Total Nur	nber of Samples	5				
Sam	ple ID	Description				A/R
1 PC	8-01	NE CANO	PLAT FLA	SHING ON F	BRICK MALL	
2		DAM	IK GREY F	LOXIBLE CA	MILING	
3 PC	3-02	EXIT DOUR	S UNDOR N	IN CANOPY	Anound Peru	METE
4	-	METAL I	JOOR FRAM	ie, light c	MAY FLEXIBLE	5 CARKING
5 PCE	r 03	NW ENTRY	DOOR FRAM	E TO CLAMIK,	Anound Peru	METER
6		WHITE	STICKY CA	nuking		
7 PCF	3-04	NE WHEE	LEHAR ENTRY	Dan TULLO	ND, AMOUND	PERMETER
8			RED, BU	THE FLOURIE	F. CANKING	
9 PCR	3-05	LLOYD N	E DODR, C	a seams of	INTERIOR &	ANCUNS
10		PERIMET	In BARI	C GRAY BRI	THE CAUKIN	Un -
11						
12						
13						
14						
15						
	Print Name	Signature	1 Co	mpany	Date	Time
Sampled by	BRIAN WEALER	Th.		PBS	04.02.24	- 10:00

Print Name Signature Company Date Time Received by Analyzed by Called by Faxed/Email by	Office Use Only				Second Second	245 JACK	2	
Called by	Received by	Print Name	Miller	Signature	2	Company	Date 4/8/1	24 (626 UPS
	Called by Called by Faxed/Email by							

11

MAN

12

Relinquish by

## THIS IS TO CERTIFY THAT

## **BRIAN WEHNER**

## 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:	

12/19/2023

OUICO	Location.
Louise	LOCATION.

Online

Certificate:

IRO-23-7306B

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:** 12/19/2024

ander fieldy

Andy Fridley, Instructor