



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

Notification of Demolition

Case #: 24-513

Amendment: 0

Date Received: 7/24/2024

Date Paid: 7/24/2024

SWCAA Fee: \$74.00

Receipt #: 159820317

10 day waiting period from date submitted

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

4. Facility Information

Property Owner:

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):

Name: Performance Abatement Services

Mailing Address: 13600 NE 10th Ave, Vancouver, OR, 98685

Contact: Ben Pullman

Phone: Ben Pullman

7. Dates Asbestos Removal Occurred:

Start: 8/19/2024

Complete: 8/19/2024

Asbestos Case No.: 24-511-0

8. Dates Demolition Will Occur:

Start: 9/2/2024

Complete: 10/2/2024

9. Demolition Contractor:

Name: Staton Companies

Mailing Address: 85386 Hwy 99 S, Eugene, OR, 97401

Contact: Steve Root

Phone: 541-726-9422

10. Asbestos Disposal Site: N/A

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

Mechanical Demolition with track hoe equipment.

12. Fugitive Emissions/dust from Demolition Activities MUST BE Controlled/Prevented during all phases of the project

Fire Hoses for dust suppression.

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 Howell

Representing: PAS

Submitter Title: PM

Date Submitted: 7/24/2024

Email Address: abbie.howell@pcg.com

Reviewed by SWCAA: Brian Fallon

☒ **Approved**

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 determine 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

General Information	1.1
Inspection Summary	1.2
Survey Drawings	HS1–HS3
Hazardous Material Sample Inventories	2.1
Laboratory Data	Not Numbered
AHERA Certificate	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:
 - Asbestos-containing building materials (ACBM)
 - Lead paint and building material survey
 - Suspect polychlorinated biphenyl (PCB) containing material and equipment
 - 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

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BACKGROUND

Between April and June 2022, PBS Engineering and Environmental Inc. (PBS) performed a limited pre-demolition 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 Insulation 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 recycled or disposed of appropriately.

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

Attachments

Survey Drawings (HS1 – HS3)

Hazardous Material Inventories and Lab Reports

Inspector Certification

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-CONTAINING RESIDUAL BLACK MASTIC ON CONCRETE
	ASBESTOS-CONTAINING VINYL FLOOR TILE WITH ASSOCIATED ASBESTOS-CONTAINING BLACK MASTIC ON CONCRETE
	ASBESTOS-CONTAINING VINYL FLOOR TILE WITH ASSOCIATED ASBESTOS-CONTAINING BLACK MASTIC ON CONCRETE UNDER CARPET
	<1% ASBESTOS-CONTAINING JOINT COMPOUND ASSOCIATED WITH GYPSUM WALLBOARD SYSTEMS THROUGHOUT
	ASBESTOS-CONTAINING BLACK WINDOW SEALANT, PRESENT ON INTERIOR AND EXTERIOR OF WINDOW ASSEMBLIES
	ASBESTOS-CONTAINING GRAY PERIMETER WINDOW CAULKING
	ASBESTOS-CONTAINING DOOR FRAME CAULK
	ASBESTOS-CONTAINING DEBRIS ON TOP OF LAY-IN CEILING TILE
	ASBESTOS-CONTAINING BLACK SINK UNDER COATING ON STAINLESS SINK

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

NOT TESTED	NEGATIVE -	POSITIVE +	
			THERMAL SYSTEM INSULATION
			SURFACING MATERIAL
			MISCELLANEOUS MATERIAL

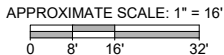
DRAWING REFERENCE	FIELD CODE	LAB RESULT	MATERIAL SAMPLED
0001	25570.005-0001	(-)	POURED FLOORING (01)
0002	25570.005-0002	(-)	POURED FLOORING
0003	25570.005-0003	(-/-)	CERAMIC TILE/GROUT (01)
0004	25570.005-0004	(-/-)	COVEBASE/MASTIC (01)
0005	25570.005-0005	(-/-)	GYPSUM WALLBOARD/ JOINT COMPOUND
0006	25570.005-0006	(-)	POURED FLOORING (01)
0007	25570.005-0007	(-/-)	POURED FLOORING (01)
0008	25570.005-0008	(-)	WALL AND CEILING PLASTER
0009	25570.005-0009	(-/-)	BRICK/MORTAR
0010	25570.005-0010	(-)	MORTAR
0011	25570.005-0011	(+)	CAULK (01)
0012	25570.005-0012	(-)	INSULATION
0013	25570.005-0013	(+)	CAULK (01)
0014	25570.005-0014	(+)	CAULK (02)
0015	25570.005-0015	(<1%/+)	VINYL FLOOR TILE/MASTIC (01)
0016	25570.005-0016	(-/-)	COVEBASE/MASTIC (02)
0017	25570.005-0017	(<1%/-)	GYPSUM WALLBOARD/ JOINT COMPOUND
0018	25570.005-0018	(-/-)	COVEBASE/MASTIC (03)
0019	25570.005-0019	(-)	MASTIC (01)
0020	25570.005-0020	(-)	POURED FLOORING (02)
0021	25570.005-0021	(-/+)	VINYL FLOOR TILE/MASTIC (01)
0022	25570.005-0022	(-/-)	LAY-IN CEILING TILE (01)
0023	25570.005-0023	(-/-)	GLUED-ON CEILING TILES (01)
0024	25570.005-0024	(-)	MUDDED JOINT FITTINGS
0025	25570.005-0025	(+)	SINK UNDERCOATING (01)
0026	25570.005-0026	(-)	MASTIC (02)
0027	25570.005-0027	(-/-)	VINYL FLOOR TILE/MASTIC
0028	25570.005-0028	(-)	SEALANT
0029	25570.005-0029	(-)	CAULK (03)
0030	25570.005-0030	(-/-)	COVEBASE/MASTIC (04)
0031	25570.005-0031	(-/+)	VINYL FLOOR TILE/MASTIC (01)
0032	25570.005-0032	(-)	MASTIC (02)
0033	25570.005-0033	(-/-)	VINYL FLOOR TILE/MASTIC
0034	25570.005-0034	(-)	SINK UNDERCOATING (02)
0035	25570.005-0035	(-/+)	VINYL FLOOR TILE/MASTIC (01)
0036	25570.005-0036	(-/+)	SINK UNDERCOATING (01)
0037	25570.005-0037	(-/-)	LAY-IN CEILING TILE (01)
0038	25570.005-0038	(-/-)	BRICK AND MORTAR
0039	25570.005-0039	(-)	CAULK (04)
0040	25570.005-0040	(-)	MUDDED JOINT FITTINGS
0041	25570.005-0041	(+)	MATERIAL DEBRIS
0042	25570.005-0042	(-/-/-)	GLUED-ON CEILING TILES
0043	25570.005-0043	(<1%/-)	GYPSUM WALLBOARD/ JOINT COMPOUND
0044	25570.005-0044	(-)	SKIMCOAT
0045	25570.005-0045	(-/-)	COVEBASE/MASTIC (03)
0046	25570.005-0046	(+)	SEALANT

DRAWING REFERENCE	FIELD CODE	LAB RESULT	MATERIAL SAMPLED
◆ 047	25570.005-0047	(+)	MASTIC (03)
◆ 048	25570.005-0048	(-)	MASTIC (04)
◆ 049	25570.005-0049	(-)	DUCT FELT TAPE
■ 050	25570.005-0050	(+)	SINK UNDERCOATING (01)
◆ 051	25570.005-0051	(-)	MUDDED JOINT FITTINGS
◆ 052	25570.005-0052	(-)	MECHANICAL ISOLATION CLOTH
◆ 053	25570.005-0053	(-)	CAULK (03)
◆ 054	25570.005-0054	(-)	SKIMCOAT
◆ 055	25570.005-0055	(-)	MUDDED JOINT FITTINGS
◆ 056	25570.005-0056	(-)	MUDDED JOINT FITTINGS
◆ 057	25570.005-0057	(-)	MATERIAL DEBRIS
◆ 058	25570.005-0058	(+/-)	GYPSUM WALLBOARD/ JOINT COMPOUND
◆ 059	25570.005-0059	(-)	MASTIC (05)
◆ 060	25570.005-0060	(+)	MASTIC (06)
◆ 061	25570.005-0061	(-)	MASTIC (07)
◆ 062	25570.005-0062	(-)	LAB COUNTER TOP
◆ 063	25570.005-0063	(-)	LAB COUNTER TOP
◆ 064	25570.005-0064	(<1%)	MASTIC (06)
◆ 065	25570.005-0065	(-/-/-/-)	GLUED-ON CEILING TILES
◆ 066	25570.005-0066	(-)	MASTIC (08)
◆ 067	25570.005-0067	(-/-/-)	VINYL FLOOR TILE/MASTIC (03)
◆ 068	25570.005-0068	(-)	MUDDED JOINT FITTINGS
◆ 069	25570.005-0069	(-/-)	MATERIAL DEBRIS
◆ 070	25570.005-0070	(-/-)	LAY-IN CEILING TILE (01)
◆ 071	25570.005-0071	(<1%+/-)	GYPSUM WALLBOARD/ JOINT COMPOUND
◆ 072	25570.005-0072	(-/-)	CONCRETE
◆ 073	25570.005-0073	(-/-)	VINYL FLOOR TILE/MASTIC (02)
◆ 074	25570.005-0074	(-/-)	MUDDED JOINT FITTINGS
◆ 075	25570.005-0075	(-)	MASTIC (09)
◆ 076	25570.005-0076	(-)	MASTIC (10)
◆ 077	25570.005-0077	(-/-)	CAULK (4)
◆ 078	25570.005-0078	(-/-)	CAULK (4)
◆ 079	25570.005-0079	(-)	CAULK (5)
◆ 080	25570.005-0080	(-)	SILICONE
■ 081	25570.005-0081	(-)	TEXTURED WALL MATERIAL
◆ 082	25570.005-0082	(-)	CAULK (6)
◆ 086	25570.005-0086	(-)	MUDDED JOINT FITTINGS
◆ 087	25570.005-0087	(-)	MUDDED JOINT FITTINGS
◆ 088	25570.005-0088	(-)	SOIL
◆ 089	25570.005-0089	(-)	SOIL
◆ 090	25570.005-0090	(-)	SOIL
◆ 102	25570.005-0102	(-/-/-)	GYM FLOOR
◆ 103	25570.005-0103	(-)	ASPHALT IMPREGNATED PAPER

 1007 — DRAWING REFERENCE TO LEAD SAMPLE FIELD CODE,
 SEE INVENTORY OF SAMPLES
 — MATERIAL SYMBOL

Δ BELOW THE LIMIT OF DETECTION

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



PREPARED FOR: WASHINGTON DEPARTMENT OF ENTERPRISE SERVICES



HAZARDOUS MATERIAL SURVEY PLAN
WASHINGTON CENTER FOR DEAF AND HARD OF HEARING
611 GRAND BOULEVARD, VANCOUVER, WASHINGTON

[illegible]

DRAWN BY
JAB

CHECKED:
JL

DATE:
JULY 2022

PROJECT NUMBER:
25570.005

SHEET DRAWING NO.
HS1

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.

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

⊗ PCB-# PCB SAMPLE LOCATION AND NUMBER

SAMPLE NUMBER	LOCATION/ COMPONENT	LAB RESULT ¹	REGULATORY LIMIT ¹
PCB-001	HUNTER GYM, INTERIOR, NORTH SIDE, PERIMETER WINDOW CAULKING - GRAY	6.5	50 ppm PCB BULK PRODUCT WASTE UNDER THE TOXIC SUBSTANCES CONTROL ACT (40 CFR PART 761)
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	
PCB-005	HUNTER GYM, NORTH SIDE, ADJACENT TO PERIMETER DOOR FRAME CAULKING - RED BRICK, GRAY MORTAR	2	
PCB-006	HUNTER GYM, NORTH SIDE, 8 CM TO PERIMETER DOOR FRAME CAULKING - RED BRICK, GRAY MORTAR	<3.2	
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	

APPROXIMATE SCALE: 1" = 16'

HAZARDOUS MATERIAL SURVEY PLAN - PCB SPECIFIC
WASHINGTON CENTER FOR DEAF AND HARD OF HEARING
611 GRAND BOULEVARD, VANCOUVER, WASHINGTON

**PBS Engineering and
Environmental Inc.**
415 W 6th Street, Suite 601
Vancouver, WA 98660
360.695.3488
pbsusa.com

[illegible]

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2. ACCESSIBLE SPACES WERE SURVEYED FOR SUSPECT HAZARDOUS MATERIALS. WHEN OBSERVED, THE MATERIALS WERE NOTED ON THE DRAWING.

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

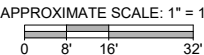
NOT TESTED	NEGATIVE -	POSITIVE +	
			THERMAL SYSTEM INSULATION
			SURFACING MATERIAL
			MISCELLANEOUS MATERIAL

DRAWING REFERENCE	FIELD CODE	LAB RESULT	MATERIAL SAMPLED
082	25570.005-0082	(-)	CAULK (6)
083	25570.005-0083	(-)	CAULK (7)
084	25570.005-0084	(-)	CAULK (8)
091	25570.005-0091	(-/-/-/-/-)	BUILT-UP ROOFING
092	25570.005-0092	(-/-/-)	BUILT-UP ROOFING
093	25570.005-0093	(-/-/-/-)	BUILT-UP ROOFING
094	25570.005-0094	(-/-/-)	BUILT-UP ROOFING
095	25570.005-0095	(-/-/-/-/-)	BUILT-UP ROOFING
096	25570.005-0096	(-/-/-/-/-/-)	BUILT-UP ROOFING
097	25570.005-0097	(-)	BUILT-UP ROOFING
098	25570.005-0098	(-)	CAULK
099	25570.005-0099	(-/-/-/-/-)	BUILT-UP ROOFING
100	25570.005-0100	(-/-)	MASTIC
101	25570.005-0101	(-/-/-/-/-/-)	BUILT-UP ROOFING

▲ 1007 — DRAWING REFERENCE TO LEAD SAMPLE FIELD CODE,
 SEE INVENTORY OF SAMPLES
 — MATERIAL SYMBOL

▲ LEAD DETECTED ▲ BELOW THE LIMIT OF DETECTION

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



PREPARED FOR: WASHINGTON DEPARTMENT OF ENTERPRISE SERVICES

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HAZARDOUS MATERIAL SURVEY PLAN
WASHINGTON CENTER FOR DEAF AND HARD OF HEARING
611 GRAND BOULEVARD, VANCOUVER, WASHINGTON

[illegible]

DRAWN BY
JAB

CHECKED:
JL

DATE:
JULY 2022

PROJECT NUMBER:
25570.005

SHEET DRAWING NO
HS3

SHEET 3 OF 3

BULK SAMPLE INVENTORY

<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, 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 room, on concrete, green, sandy poured flooring		Lab Cor
	Layer:	Description:	Analysis:	
	Layer 1	hard granular material, green/tan/red	No Asbestos Detected	

BULK SAMPLE INVENTORY

<u>Code</u>	<u>Material</u>	<u>Location</u>	<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 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	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, between glass window blocks, gray mortar		Lab Cor
	Layer:	Description:	Analysis:	
	Layer 1	loose granular powder,	No Asbestos Detected	
25570.005-0011	Caulk (01)	Hunter gym; around perimeter of window blocks, white/gray, hard caulking		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 of window blocks, behind perimeter caulk, brown fibrous hair-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 blocks, northwest side, gray, hard caulking		Lab Cor
	Layer:	Description:	Analysis:	
	Layer 1	compact fibrous material, gray	4% Chrysotile	

BULK SAMPLE INVENTORY

<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/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 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 (02)	Divine hall; north girls restroom, on concrete, yellow sandy poured flooring		Lab Cor
	Layer:	Description:	Analysis:	
	Layer 1	hard compact material, off-white/red	No Asbestos Detected	

BULK SAMPLE INVENTORY

<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		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	

BULK SAMPLE INVENTORY

<u>Code</u>	<u>Material</u>	<u>Location</u>	<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 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
25570.005-0028	Sealant	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 north perimeter window frame, black/dark brown, rubbery 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/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	Gypsum Wallboard/Joint Compound	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

BULK SAMPLE INVENTORY

<u>Code</u>	<u>Material</u>	<u>Location</u>	<u>Results</u>	<u>Lab</u>
25570.005-0034	Sink Undercoating (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/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 (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 4' white fissured and pinhole lay-in ceiling tile		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	

BULK SAMPLE INVENTORY

<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 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 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 storage room, on concrete, black mastic		Lab Cor
	Layer:	Description:	Analysis:	
	Layer 1	loose particulate, black	3% Chrysotile	

BULK SAMPLE INVENTORY

<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 tile grid on wall, yellow mastic		Lab Cor
		Layer: Layer 1	Description: loose particulate, tan	Analysis: No Asbestos Detected
25570.005-0049	Tape	Divine hall; outside custodian room in south hallway behind corkboard yellow tape with white mastic		Lab Cor
		Layer: Layer 1	Description: loose flexible material, white/yellow	Analysis: No Asbestos Detected
25570.005-0050	Sink Undercoating (01)	Divine hall; room 303, on stainless sink, black sink undercoating		Lab Cor
		Layer: Layer 1	Description: loose particulate, brown/black	Analysis: 3% Chrysotile
25570.005-0051	Mudded Joint Fittings	Divine hall; outside room 302, on pipe at T-intersection, white, mudded hard fitting		Lab Cor
		Layer: Layer 1	Description: loose fibers with powder, off-white/gray	Analysis: No Asbestos Detected
25570.005-0052	Mechanical Isolation Cloth	Divine hall; outside room 302, between HVAC ducting, black, fibrous, mechanical isolation cloth		Lab Cor
		Layer: Layer 1	Description: thin flexible material, black	Analysis: No Asbestos Detected
25570.005-0053	Caulk (03)	Divine hall; courtyard, exterior of science lab, around perimeter door frame, black/dark brown, rubbery caulking		Lab Cor
		Layer: Layer 1	Description: soft rubbery material, gray	Analysis: No Asbestos Detected
25570.005-0054	Skimcoat	Divine hall; courtyard, exterior outside science lab, on soffit, white, sandy texture		Lab Cor
		Layer: Layer 1	Description: loose particulate, gray	Analysis: No Asbestos Detected
25570.005-0055	Mudded Joint Fittings	Divine hall; hallway outside room 306, above drop ceiling, on pipe, large elbow, grayish/white hard fitting		Lab Cor
		Layer: Layer 1	Description: loose fibrous powder, gray	Analysis: No Asbestos Detected

BULK SAMPLE INVENTORY

<u>Code</u>	<u>Material</u>	<u>Location</u>	<u>Results</u>	<u>Lab</u>
25570.005-0056	Mudded Joint Fittings	Divine hall; hallway outside room 306, above drop ceiling, on pipe, small elbow, grayish/white 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 306, above drop ceiling, on tiles, miscellaneous debris		Lab Cor
	Layer:	Description:	Analysis:	
	Layer 1	loose fibrous powder, off-white/brown	No Asbestos Detected	
25570.005-0058	Gypsum Wallboard/Joint Compound	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:	Gravimetric Reduction 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:	Gravimetric Reduction and Point Count (400) % Asbestos: 11.93		
25570.005-0061	Mastic (07)	Divine hall; science lab, under large black countertops, caramel, hard mastic		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	

BULK SAMPLE INVENTORY

<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 large black countertops, black, hard mastic		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", white fissured glued-on ceiling tile with brown glue dot		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/Mastic (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 Fittings	Divine hall; west hallway, outside room 307C, above drop ceiling, grayish/white mudded hard 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 room 307C, on top of lay-in ceiling tile, miscellaneous debris		Lab Cor
	Layer:	Description:	Analysis:	
	Layer 01	paint, white	No Asbestos Detected	
	Layer 02	fibrous material, off-white	No Asbestos Detected	

BULK SAMPLE INVENTORY

<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' white fissured and pinhole lay-in ceiling tile	white fissured and pinhole lay-in ceiling tile	Lab Cor
	Layer:	Description:	Analysis:	
	Layer 01	coating, white	No Asbestos Detected	
	Layer 02	compressed fibers, gray	No Asbestos Detected	
25570.005-0071	Gypsum Wallboard/Joint Compound	Divine hall; west hallway, above drop ceiling, decking/white wallboard with white 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 Reduction 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/Mastic (02)	Divine hall; room 307D, under carpet, on concrete, 12" by 12" beige speckled vinyl floor tile with yellow mastic		Lab Cor
	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 drop ceiling, on pipe large elbow, grayish/white mudded hard 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 custodian office, behind corkboard, white, hard mastic		Lab Cor
	Layer:	Description:	Analysis:	
	Layer 1	loose vinyl material, white	No Asbestos Detected	

BULK SAMPLE INVENTORY

<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 sink, dark yellow, hard mastic		Lab Cor
		Layer:	Description:	Analysis:
		Layer 1	thick mastic material, tan	No Asbestos Detected
25570.005-0077	Caulk (4)	Hunter Gym; exterior, E side, around perimeter between window blocks and brick, gray, rubbery 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, north end, around perimeter between window blocks and brick, gray, rubbery caulking with brown horse hair material		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, around perimeter window blocks , clear, silicone caulking with fibrous backing		Lab Cor
		Layer:	Description:	Analysis:
		Layer 1	compact flexible material, clear with fibrous material, white	No Asbestos Detected
25570.005-0081	Textured Wall Material	Hunter Gym; exterior, south side on paneling, white sandy texture, painted white		Lab Cor
		Layer:	Description:	Analysis:
		Layer 1	loose granular powder, white	No Asbestos Detected
25570.005-0082	Caulk (6)	Hunter Gym; exterior, around vent above SE block windows, gray, flexible caulking		Lab Cor
		Layer:	Description:	Analysis:
		Layer 1	rubbery material, gray	No Asbestos Detected

BULK SAMPLE INVENTORY

<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 wall, between TPO roofing and brick, white, flexible caulking		Lab Cor
	Layer:	Description:	Analysis:	
	Layer 1	rubbery material, white	No Asbestos Detected	
25570.005-0085	Mudded Joint Fittings	Divine Hall; hallway outside women's staff restroom, above drop ceiling, on fiberglass pipe, white mudded hard fitting		Lab Cor
	Layer:	Description:	Analysis:	
	Layer 1	fibrous powder, gray	No Asbestos Detected	
25570.005-0086	Mudded Joint Fittings	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 Fittings	Divine Hall; hallway outside library, above drop ceiling, on fiberglass pipe, small T joint, white mudded hard fitting		Lab Cor
	Layer:	Description:	Analysis:	
	Layer 1	fibrous powder, gray	No Asbestos Detected	
25570.005-0088	Soil	Hunter Gym; north side of crawlspace, dirt with debris		Lab Cor
	Layer:	Description:	Analysis:	
	Layer 1	loose rocky powder, brown/gray	No Asbestos Detected	
25570.005-0089	Soil	Hunter Gym; east side of crawlspace, under black plastic, dirt with debris		Lab Cor
	Layer:	Description:	Analysis:	
	Layer 1	loose rocky powder, brown/gray	No Asbestos Detected	
25570.005-0090	Soil	Hunter Gym; south side of crawlspace, dirt with debris		Lab Cor
	Layer:	Description:	Analysis:	
	Layer 1	loose rocky powder, brown	No Asbestos Detected	

BULK SAMPLE INVENTORY

<u>Code</u>	<u>Material</u>	<u>Location</u>	<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 end, 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 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

BULK SAMPLE INVENTORY

<u>Code</u>	<u>Material</u>	<u>Location</u>	<u>Results</u>	<u>Lab</u>
25570.005-0094	Built-up Roofing	Divine hall; covered walkway, northeast side, see sample - 0091		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 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

BULK SAMPLE INVENTORY

<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, northeast side, between flashing & brick, gray, rubbery, caulking		Lab Cor
		Layer:	Description:	Analysis:
		Layer 1	loose rubbery material, gray	No Asbestos Detected
25570.005-0099	Built-up Roofing	Hunter gym; northwest corner, see 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 parapet wall, tpo with yellow mastic		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

BULK SAMPLE INVENTORY

<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, wood gym floor, brown asphaltic vapor barrier, wood subfloor		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 Impregnated 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>	<u>Location</u>	<u>Lab</u>
PAINT				
LB25570.005-1001	Paint	140 ppm	Hunter gym; east wall, wood, green, intact condition	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	Courtyard; 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	<u>Aroclor 1254 – 8,100</u> <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	<u>Aroclor 1254 – 1,600</u> <u>Aroclor 1260 – 560</u> Total PCBs = 2,160
PCB-009	Hunter Gym, East Side, Adjacent to Perimeter Window Caulking	Red Brick, Gray Mortar	<u>Aroclor 1254 – 850</u> <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	<u>Aroclor 1254 – 12</u> <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)

**Lab/Cor Portland, Inc.**4321 South Corbett Ave., Ste A
Portland, OR 97239Phone: (503) 224-5055
www.labcorpdx.com**PLM - Visual Estimate Extended Final Report****Job Number: 221525****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.:****Report Number: 221525R01****Report Date: 5/23/2022**

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

PLM - Visual Estimate Extended Final Report

Job Number: 221525

Client: PBS Engineering and Environmental

Project Name:

Report Number: 221525R01

Report Date: 5/23/2022

PLM - Visual Estimate Extended The submitted sample(s) were analyzed according to the 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. 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,


X

Mia Gaines
Analyst

BULK SAMPLE ASBESTOS ANALYSIS

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

Report Number: 221525R01
Report Date: 05/23/2022

Job Number: 221525

P.O. No: n/a

Project Name:

Project Number: 25570.005 Phase 0001

Project Notes:

Client Sample ID: 25570.005-0077		Sample ID: S1		Date Analyzed: 05/23/2022	
Client Sample Description:				Analyst: Mia Gaines	
Asbestos Mineral Fibers		Layer Percent:	Chrysotile	Amosite	Percent Asbestos:
Layer 01					
granular compact powder, gray		5 %	-	-	NAD
Layer 02					
rubbery material, gray		95 %	-	-	NAD
Other Fibers		Fibrous Glass	Cellulose	Mineral Wool	Other
Layer 01		-	-	-	Matrix 100 %
Layer 02		-	1 %	-	99 %
Client Sample ID: 25570.005-0078		Sample ID: S2		Date Analyzed: 05/23/2022	
Client Sample Description:				Analyst: Mia Gaines	
Asbestos Mineral Fibers		Layer Percent:	Chrysotile	Amosite	Percent Asbestos:
Layer 01					
rubbery material, gray		90 %	-	-	NAD
Layer 02					
fibrous material, brown		10 %	-	-	NAD
Other Fibers		Fibrous Glass	Cellulose	Mineral Wool	Other
Layer 01		-	1 %	-	Matrix 99 %
Layer 02		-	90 %	-	10 %
Client Sample ID: 25570.005-0079		Sample ID: S3		Date Analyzed: 05/23/2022	
Client Sample Description:				Analyst: Mia Gaines	
Asbestos Mineral Fibers		Layer Percent:	Chrysotile	Amosite	Percent Asbestos:
Homogeneous					
rubbery material, black		100 %	-	-	NAD
Other Fibers		Fibrous Glass	Cellulose	Mineral Wool	Other
		-	1 %	3 %	Matrix 96 %
Client Sample ID: 25570.005-0080		Sample ID: S4		Date Analyzed: 05/23/2022	
Client Sample Description:				Analyst: Mia Gaines	
Asbestos Mineral Fibers		Layer Percent:	Chrysotile	Amosite	Percent Asbestos:
Homogeneous					
compact flexible material, clear with fibrous material, white		100 %	-	-	NAD
Other Fibers		Fibrous Glass	Cellulose	Mineral Wool	Other
		20 %	-	-	Matrix 80 %

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

Report Number: 221525R01

Report Date: 05/23/2022

Job Number: 221525

P.O. No: n/a

Project Name:

Project Number: 25570.005 Phase 0001

Project Notes:

Client Sample ID: 25570.005-0081	Sample ID: S5	Date Analyzed: 05/23/2022	
Client Sample Description:		Analyst: Mia Gaines	
Asbestos Mineral Fibers	Layer Percent: Chrysotile Amosite Crocidolite		Percent Asbestos:
Homogeneous			
loose granular powder, white	100 % - - -		NAD
Other Fibers	Fibrous Glass Cellulose Mineral Wool Synthetic Other		Matrix 100 %
- - - - -			
Client Sample ID: 25570.005-0082	Sample ID: S6	Date Analyzed: 05/23/2022	
Client Sample Description:		Analyst: Mia Gaines	
Asbestos Mineral Fibers	Layer Percent: Chrysotile Amosite Crocidolite		Percent Asbestos:
Homogeneous			
rubbery material, gray	100 % - - -		NAD
Other Fibers	Fibrous Glass Cellulose Mineral Wool Synthetic Other		Matrix 100 %
- - - - -			
Client Sample ID: 25570.005-0083	Sample ID: S7	Date Analyzed: 05/23/2022	
Client Sample Description:		Analyst: Mia Gaines	
Asbestos Mineral Fibers	Layer Percent: Chrysotile Amosite Crocidolite		Percent Asbestos:
Homogeneous			
rubbery material, gray	100 % - - -		NAD
Other Fibers	Fibrous Glass Cellulose Mineral Wool Synthetic Other		Matrix 100 %
- - - - -			
Client Sample ID: 25570.005-0084	Sample ID: S8	Date Analyzed: 05/23/2022	
Client Sample Description:		Analyst: Mia Gaines	
Asbestos Mineral Fibers	Layer Percent: Chrysotile Amosite Crocidolite		Percent Asbestos:
Homogeneous			
rubbery material, white	100 % - - -		NAD
Other Fibers	Fibrous Glass Cellulose Mineral Wool Synthetic Other		Matrix 100 %
- - - - -			

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

Report Number: 221525R01

Report Date: 05/23/2022

Job Number: 221525

P.O. No: n/a

Project Name:

Project Number: 25570.005 Phase 0001

Project Notes:

Client Sample ID: 25570.005-0085		Sample ID: S9			Date Analyzed: 05/23/2022	
Client Sample Description:					Analyst: Mia Gaines	
Asbestos Mineral Fibers	Layer Percent:	Chrysotile	Amosite	Crocidolite	Percent Asbestos:	
Homogeneous						
fibrous powder, gray	100 %	-	-	-	NAD	
Other Fibers	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix
	5 %	2 %	10 %	-	-	83 %

Client Sample ID: 25570.005-0086		Sample ID: S10			Date Analyzed: 05/23/2022
Client Sample Description:		Analyst: Mia Gaines			
Asbestos Mineral Fibers	Layer Percent:	Chrysotile	Amosite	Crocidolite	Percent Asbestos:
Homogeneous fibrous powder, gray	100 %	-	-	-	NAD
Other Fibers	Fibrous Glass	Mineral Cellulose	Wool	Synthetic	Other
	5 %	2 %	10 %	-	-
					-
					Matrix 83 %

Client Sample ID: 25570.005-0087		Sample ID: S11		Date Analyzed: 05/23/2022	
Client Sample Description:				Analyst: Mia Gaines	
<u>Asbestos Mineral Fibers</u>	Layer Percent:	Chrysotile	Amosite	Crocidolite	Percent Asbestos:
Homogeneous					
fibrous powder, gray	100 %	-	-	-	NAD
<u>Other Fibers</u>	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other
	5 %	1 %	8 %	-	-
					Matrix 86 %

Client Sample ID: 25570.005-0088		Sample ID: S12			Date Analyzed: 05/23/2022	
Client Sample Description:				Analyst: Mia Gaines		
Asbestos Mineral Fibers	Layer Percent:	Chrysotile	Amosite	Crocidolite	Percent Asbestos:	
Homogeneous						
loose rocky powder, brown/gray	100 %	-	-	-	NAD	
Other Fibers	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix
	-	1 %	-	-	-	99 %

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

Report Number: 221525R01
Report Date: 05/23/2022

Job Number: 221525

P.O. No: n/a

Project Name:

Project Number: 25570.005 Phase 0001

Project Notes:

Client Sample ID: 25570.005-0089	Sample ID: S13	Date Analyzed: 05/23/2022	
Client Sample Description:		Analyst: Mia Gaines	
Asbestos Mineral Fibers	Layer Percent: Chrysotile Amosite Crocidolite		Percent Asbestos:
Homogeneous			
loose rocky powder, brown/gray	100 % - - -		NAD
Other Fibers	Fibrous Glass Cellulose Mineral Wool Synthetic Other		Matrix 100 %
	- Trace - - -		

Client Sample ID: 25570.005-0090	Sample ID: S14	Date Analyzed: 05/23/2022	
Client Sample Description:		Analyst: Mia Gaines	
Asbestos Mineral Fibers	Layer Percent: Chrysotile Amosite Crocidolite		Percent Asbestos:
Homogeneous			
loose rocky powder, brown	100 % - - -		NAD
Other Fibers	Fibrous Glass Cellulose Mineral Wool Synthetic Other		Matrix 98 %
	- 2 % - - -		

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:

Mia Gaines
X
Mia Gaines
Analyst



221525

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

Date Sent: May 17, 2022

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

Name BRIAN W.Authorized Signature [Signature] Date 5.17.22 Time 9:30

Sender's ID No.

Brief Description

Sender's ID No.	Brief Description
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	

RECEIVER

Date Received: 5/19/21

Company: Lab Cor
Address: 4321 S Corbett Ave Ste A
Portland, OR 97239
503-224-5055

Name MARK DONAHUEAuthorized Signature [Signature] Date 5/19/22 Time 8:40

Receiver's ID No.



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: 72 Hour

SPECIAL INSTRUCTIONS: EMAIL RESULTS TO ALEX.JOHNSON@PBSUSA.COM

**Lab/Cor Portland, Inc.**4321 South Corbett Ave., Ste A
Portland, OR 97239Phone: (503) 224-5055
www.labcorpdx.com**PLM - Visual Estimate Extended Final Report****Job Number: 221615****Client: PBS Engineering and Environmental****Address: 4412 S Corbett Avenue
Portland, OR 97239****Report Number: 221615R01****Report Date: 6/1/2022****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:
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



PLM - Visual Estimate Extended Final Report

Job Number: 221615

Client: PBS Engineering and Environmental

Project Name:

Report Number: 221615R01

Report Date: 6/1/2022

PLM - Visual Estimate Extended The submitted sample(s) were analyzed according to the 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. 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.

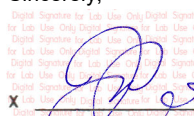
NAD is No Asbestos Detected. Asbestos consists of the six following minerals: chrysotile, amosite, crocidolite, anthophyllite, actinolite, and tremolite.

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,


X
Tim Cammann
Senior Analyst

**Lab/Cor Portland, Inc.**4321 South Corbett Ave., Ste A
Portland, OR 97239Phone: (503) 224-5055
www.labcorpdx.com**BULK SAMPLE ASBESTOS ANALYSIS****Client:** PBS Engineering and Environmental
4412 S Corbett Avenue
Portland, OR 97239**Report Number:** 221615R01**Report Date:** 06/01/2022**Job Number:** 221615**P.O. No:** n/a**Project Name:****Project Number:** 25570.005 Phase 0001**Project Notes:****Client Sample ID:** 25570.005-0091**Sample ID:** S1**Date Analyzed:** 05/31/2022**Analyst:** Mia Gaines**Client Sample Description:**

<u>Asbestos Mineral Fibers</u>	Layer Percent:	Chrysotile	Amosite	Crocidolite	Percent Asbestos:	
Layer 01						
woven fibers, white with flexible material, white/black	6 %	-	-	-	NAD	
Layer 02						
compact chalky material with fibrous material, white	20 %	-	-	-	NAD	
Layer 03						
woven fibers, white with flexible material, white/blue	6 %	-	-	-	NAD	
Layer 04						
fibrous material, white	3 %	-	-	-	NAD	
Layer 05						
foam material, yellow with fibrous material, black	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 %
Layer 06	-	60 %	-	5 %	-	35 %

**Lab/Cor Portland, Inc.**4321 South Corbett Ave., Ste A
Portland, OR 97239**BULK SAMPLE ASBESTOS ANALYSIS**Phone: (503) 224-5055
www.labcorpdx.com*Asbestos and Environmental Analysis***Client:** PBS Engineering and Environmental
4412 S Corbett Avenue
Portland, OR 97239**Report Number:** 221615R01**Report Date:** 06/01/2022**Job Number:** 221615**P.O. No:** n/a**Project Name:****Project Number:** 25570.005 Phase 0001**Project Notes:**

Client Sample ID:	25570.005-0092		Sample ID:	S2		Date Analyzed:	05/31/2022	
Client Sample Description:						Analyst:	Mia Gaines	
Asbestos Mineral Fibers	Layer Percent:	Chrysotile	Amosite	Crocidolite				Percent Asbestos:
Layer 01								
woven fibers, white with flexible material, white/black	6 %	-	-	-				NAD
Layer 02								
compact chalky material with fibrous material, white	30 %	-	-	-				NAD
Layer 03								
woven fibers, off-white with flexible material, white/blue	4 %	-	-	-				NAD
Layer 04								
foam material, yellow with fibrous backing, black	60 %	-	-	-				NAD
Other Fibers	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other			Matrix
Layer 01	-	-	-	30 %	-	-		70 %
Layer 02	6 %	-	-	-	-	-		94 %
Layer 03	-	-	-	40 %	-	-		60 %
Layer 04	2 %	30 %	-	-	-	-		68 %

**Lab/Cor Portland, Inc.**4321 South Corbett Ave., Ste A
Portland, OR 97239**BULK SAMPLE ASBESTOS ANALYSIS**Phone: (503) 224-5055
www.labcorpdx.com*Asbestos and Environmental Analysis***Client:** PBS Engineering and Environmental
4412 S Corbett Avenue
Portland, OR 97239**Report Number:** 221615R01**Report Date:** 06/01/2022**Job Number:** 221615**P.O. No:** n/a**Project Name:****Project Number:** 25570.005 Phase 0001**Project Notes:****Client Sample ID:** 25570.005-0093**Sample ID:** S3**Date Analyzed:** 05/31/2022**Client Sample Description:****Analyst:** Mia Gaines

Asbestos Mineral Fibers	Layer Percent:	Chrysotile	Amosite	Crocidolite	Percent Asbestos:		
Layer 01							
woven fibers, white with flexible material, white/black	5 %	-	-	-			NAD
Layer 02							
compact chalky material with fibrous material, white	40 %	-	-	-			NAD
Layer 03							
woven fibers, off-white with flexible material, off- white/blue	5 %	-	-	-			NAD
Layer 04							
foam material, yellow with fibrous backing, black	40 %	-	-	-			NAD
Layer 05							
fibrous tar, black with wood fibers	10 %	-	-	-			NAD
Other Fibers	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other		Matrix
Layer 01	-	-	-	30 %	-	-	70 %
Layer 02	6 %	-	-	-	-	-	94 %
Layer 03	-	-	-	40 %	-	-	60 %
Layer 04	-	20 %	-	-	-	-	80 %
Layer 05	-	30 %	-	-	-	-	70 %

**Lab/Cor Portland, Inc.**4321 South Corbett Ave., Ste A
Portland, OR 97239**BULK SAMPLE ASBESTOS ANALYSIS**Phone: (503) 224-5055
www.labcorpdx.com*Asbestos and Environmental Analysis***Client:** PBS Engineering and Environmental
4412 S Corbett Avenue
Portland, OR 97239**Report Number:** 221615R01**Report Date:** 06/01/2022**Job Number:** 221615**P.O. No:** n/a**Project Name:****Project Number:** 25570.005 Phase 0001**Project Notes:****Client Sample ID:** 25570.005-0094**Sample ID:** S4**Date Analyzed:** 05/31/2022**Client Sample Description:****Analyst:** Mia Gaines

Asbestos Mineral Fibers	Layer Percent:	Chrysotile	Amosite	Crocidolite	Percent Asbestos:		
Layer 01							
woven fibers, white with flexible material, white/black	7 %	-	-	-			NAD
Layer 02							
foam material, yellow with mastic, clear	25 %	-	-	-			NAD
Layer 03							
fibrous material, white	3 %	-	-	-			NAD
Layer 04							
foam material, yellow with fibrous backing, black/gray	65 %	-	-	-			NAD
Other Fibers	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other		Matrix
Layer 01	-	-	-	30 %	-	-	70 %
Layer 02	-	-	-	-	-	-	100 %
Layer 03	80 %	-	-	-	-	-	20 %
Layer 04	2 %	30 %	-	-	-	-	68 %

**Lab/Cor Portland, Inc.**4321 South Corbett Ave., Ste A
Portland, OR 97239**BULK SAMPLE ASBESTOS ANALYSIS**Phone: (503) 224-5055
www.labcorpdx.com*Asbestos and Environmental Analysis***Client:** PBS Engineering and Environmental
4412 S Corbett Avenue
Portland, OR 97239**Report Number:** 221615R01**Report Date:** 06/01/2022**Job Number:** 221615**P.O. No:** n/a**Project Name:****Project Number:** 25570.005 Phase 0001**Project Notes:****Client Sample ID:** 25570.005-0095**Sample ID:** S5**Date Analyzed:** 05/31/2022**Client Sample Description:****Analyst:** Mia Gaines**Asbestos Mineral Fibers**

Layer Percent:	Chrysotile	Amosite	Crocidolite
-------------------	------------	---------	-------------

**Percent
Asbestos:****Layer 01**woven fibers, white with
flexible material,
white/black

6 %

-

-

-

NAD**Layer 02**compact chalky material
with fibrous material,
white

20 %

-

-

-

NAD**Layer 03**woven fibers, off-white
with flexible material,
white/blue

4 %

-

-

-

NAD**Layer 04**foam material, yellow
with fibrous backing,
black

60 %

-

-

-

NAD**Layer 05**

fibrous material, off-white

2 %

-

-

-

NAD**Layer 06**

fibrous material, brown

2 %

-

-

-

NAD**Layer 07**

fibrous tar, black

6 %

-

-

-

NAD**Other Fibers**

Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other
------------------	-----------	-----------------	-----------	-------

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 %

**Lab/Cor Portland, Inc.**4321 South Corbett Ave., Ste A
Portland, OR 97239**BULK SAMPLE ASBESTOS ANALYSIS**Phone: (503) 224-5055
www.labcorpdx.com*Asbestos and Environmental Analysis***Client:** PBS Engineering and Environmental
4412 S Corbett Avenue
Portland, OR 97239**Report Number:** 221615R01**Report Date:** 06/01/2022**Job Number:** 221615**P.O. No:** n/a**Project Name:****Project Number:** 25570.005 Phase 0001**Project Notes:**

Client Sample ID: 25570.005-0096		Sample ID: S6			Date Analyzed: 06/01/2022	
Client Sample Description:					Analyst: Tim Cammann	
Asbestos Mineral Fibers	Layer Percent:	Chrysotile	Amosite	Crocidolite	Percent Asbestos:	
Layer 01						
rubbery material, off-white/black, with woven fibers, clear	5 %	-	-	-	NAD	
Layer 02						
woven fibrous material, gray	5 %	-	-	-	NAD	
Layer 03						
compact chalky material, white, with fibers, white	5 %	-	-	-	NAD	
Layer 04						
rubbery material, blue/gray, with woven fibers, clear	5 %	-	-	-	NAD	
Layer 05						
fibrous material, black	5 %	-	-	-	NAD	
Layer 06						
foam, off-white/tan	60 %	-	-	-	NAD	
Layer 07						
fibrous material, black	5 %	-	-	-	NAD	
Layer 08						
fibrous material, white	5 %	-	-	-	NAD	
Layer 09						
thick fibrous tar, black/brown, with tar, black	5 %	-	-	-	NAD	
Other Fibers	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix
Layer 01	10 %	-	-	-	-	90 %
Layer 02	30 %	-	-	-	-	70 %
Layer 03	8 %	5 %	-	-	-	87 %
Layer 04	15 %	10 %	-	-	-	75 %
Layer 05	10 %	45 %	-	-	-	45 %
Layer 06	-	-	-	-	-	100 %
Layer 07	20 %	-	-	-	-	80 %
Layer 08	50 %	-	-	-	-	50 %
Layer 09	-	20 %	-	-	-	80 %

**Lab/Cor Portland, Inc.**4321 South Corbett Ave., Ste A
Portland, OR 97239**BULK SAMPLE ASBESTOS ANALYSIS**Phone: (503) 224-5055
www.labcorpdx.com*Asbestos and Environmental Analysis***Client:** PBS Engineering and Environmental
4412 S Corbett Avenue
Portland, OR 97239**Report Number:** 221615R01**Report Date:** 06/01/2022**Job Number:** 221615**P.O. No:** n/a**Project Name:****Project Number:** 25570.005 Phase 0001**Project Notes:**

Client Sample ID:	25570.005-0097		Sample ID:	S7		Date Analyzed:	06/01/2022	
Client Sample Description:						Analyst:	Tim Cammann	
Asbestos Mineral Fibers	Layer							Percent Asbestos:
	Percent:	Chrysotile	Amosite	Crocidolite				
Homogeneous								
loose particulate, black, with wood fibers, tan	100 %	-	-	-				NAD
Other Fibers	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other			Matrix
	-	5 %	-	-	-	-		95 %

Client Sample ID:	25570.005-0098		Sample ID:	S8		Date Analyzed:	06/01/2022	
Client Sample Description:						Analyst:	Tim Cammann	
Asbestos Mineral Fibers	Layer							Percent Asbestos:
	Percent:	Chrysotile	Amosite	Crocidolite				
Homogeneous								
loose rubbery material, gray	100 %	-	-	-				NAD
Other Fibers	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other			Matrix
	-	-	-	-	-	-		100 %

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

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

Job Number: 221615

P.O. No: n/a

Project Name:

Project Number: 25570.005 Phase 0001

Project Notes:

Client Sample ID: 25570.005-0099	Sample ID: S9				Date Analyzed: 06/01/2022	
Client Sample Description:					Analyst: Tim Cammann	
Asbestos Mineral Fibers	Layer Percent:	Chrysotile	Amosite	Crocidolite		Percent Asbestos:
Layer 01						
rubbery material, off-white/black, with woven fibers, clear	10 %	-	-	-		NAD
Layer 02						
chalky material, white, with fibrous coating, white	30 %	-	-	-		NAD
Layer 03						
rubbery material, blue/tan, with woven fibers, tan	10 %	-	-	-		NAD
Layer 04						
fibrous material, black	10 %	-	-	-		NAD
Layer 05						
foam, off-white/tan	30 %	-	-	-		NAD
Layer 06						
fibrous material, black	10 %	-	-	-		NAD
Other Fibers	Fibrous Glass	Cellulose	Mineral 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: 25570.005-0100	Sample ID: S10				Date Analyzed: 05/31/2022	
Client Sample Description:					Analyst: Mia Gaines	
Asbestos Mineral Fibers	Layer Percent:	Chrysotile	Amosite	Crocidolite		Percent Asbestos:
Layer 01						
woven fibers, white with flexible material, white/black	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 %

**Lab/Cor Portland, Inc.**4321 South Corbett Ave., Ste A
Portland, OR 97239**BULK SAMPLE ASBESTOS ANALYSIS**Phone: (503) 224-5055
www.labcorpdx.com*Asbestos and Environmental Analysis***Client:** PBS Engineering and Environmental
4412 S Corbett Avenue
Portland, OR 97239**Report Number:** 221615R01**Report Date:** 06/01/2022**Job Number:** 221615**P.O. No:** n/a**Project Name:****Project Number:** 25570.005 Phase 0001**Project Notes:****Client Sample ID:** 25570.005-0101**Sample ID:** S11**Date Analyzed:** 06/01/2022**Client Sample Description:****Analyst:** Tim Cammann

<u>Asbestos Mineral Fibers</u>	Layer Percent:	Chrysotile	Amosite	Crocidolite	Percent Asbestos:	
Layer 01 rubbery material, off-white/gray, with woven fibers, clear	10 %	-	-	-	NAD	
Layer 02 chalky material, white, with fibrous coating, white	20 %	-	-	-	NAD	
Layer 03 fibrous material, off-white	10 %	-	-	-	NAD	
Layer 04 rubbery material, off-white/blue, with woven fibers, tan	10 %	-	-	-	NAD	
Layer 05 fibrous material, black	10 %	-	-	-	NAD	
Layer 06 foam, off-white/tan	20 %	-	-	-	NAD	
Layer 07 fibrous material, black	10 %	-	-	-	NAD	
Layer 08 fibrous material, black/brown	10 %	-	-	-	NAD	
<u>Other Fibers</u>	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix
Layer 01	15 %	-	-	-	-	85 %
Layer 02	15 %	-	-	-	-	85 %
Layer 03	50 %	-	-	-	-	50 %
Layer 04	-	30 %	-	-	-	70 %
Layer 05	15 %	5 %	-	-	-	80 %
Layer 06	-	-	-	-	-	100 %
Layer 07	-	60 %	-	-	-	40 %
Layer 08	-	80 %	-	-	-	20 %

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

Report Number: 221615R01

Report Date: 06/01/2022

Job Number: 221615

P.O. No: n/a

Project Name:

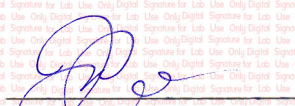
Project Number: 25570.005 Phase 0001

Project Notes:

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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- 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:


X
Tim Cammann
Senior Analyst



221615 1/2

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

Date Sent: May 26, 2022

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

Keenan Landon

Name

Authorized Signature

5/26/22 8:30

Date

Time

Sender's ID No.

Brief Description

25570.005-0091

25570.005-0092

25570.005-0093

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

Company: Lab Cor

Address: 4321 S Corbett Ave Ste A
Portland, OR 97239
503-224-5055

Name

Authorized Signature

5/26/22 8:30

Date

Time

Receiver's ID No.



221615 2/2

TRANSMITTAL AND CHAIN OF CUSTODY FOR ASBESTOS BULK SAMPLES

Please analyze the enclosed 11 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:

72 Hour

SPECIAL INSTRUCTIONS:

JL

PLM - Visual Estimate Extended Final Report

Job Number: 221752

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.:

Report Number: 221752R01

Report Date: 6/9/2022

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:
221752 - S1	25570.005-0102 -	PLM - Visual Estimate Extended		6/8/2022
221752 - S2	25570.005-0103 -	PLM - Visual Estimate Extended		6/8/2022

PLM - Visual Estimate Extended The submitted sample(s) were analyzed according to the 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. 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:

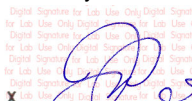
1% asbestos: >0-3% error,

5% asbestos: 1-9% error,

10% asbestos: 5-15% error,

20% asbestos: 10-30% error.

Sincerely,



Tim Cammann
Senior Analyst

**Lab/Cor Portland, Inc.**4321 South Corbett Ave., Ste A
Portland, OR 97239Phone: (503) 224-5055
www.labcorpdx.com**BULK SAMPLE ASBESTOS ANALYSIS****Client:** PBS Engineering and Environmental
4412 S Corbett Avenue
Portland, OR 97239**Report Number:** 221752R01**Report Date:** 06/09/2022**Job Number:** 221752**P.O. No:** n/a**Project Name:****Project Number:** 25570.005 Phase 0001**Project Notes:**

Client Sample ID: 25570.005-0102		Sample ID: S1			Date Analyzed: 06/09/2022	
Client Sample Description:					Analyst: Tim Cammann	
Asbestos Mineral Fibers	Layer Percent:	Chrysotile	Amosite	Crocidolite		Percent Asbestos:
Layer 01						
compact powdery material, tan/brown	55 %	-	-	-		NAD
Layer 02						
fibrous tar, black/brown	15 %	-	-	-		NAD
Layer 03						
wood, tan	30 %	-	-	-		NAD
Other Fibers	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix
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 Description:					Analyst: Tim Cammann	
Asbestos Mineral Fibers	Layer Percent:	Chrysotile	Amosite	Crocidolite		Percent Asbestos:
Homogeneous						
fibrous tar, black	100 %	-	-	-		NAD
Other Fibers	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix
	-	80 %	-	-	-	20 %



Lab/Cor Portland, Inc.

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

BULK SAMPLE ASBESTOS ANALYSIS

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

Asbestos and Environmental Analysis

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

Report Number: 221752R01

Report Date: 06/09/2022

Job Number: 221752

P.O. No: n/a

Project Name:

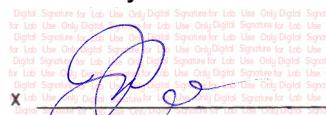
Project Number: 25570.005 Phase 0001

Project Notes:

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:


X
Tim Cammann
Senior Analyst



221752

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

Date Sent: June 08, 2022

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

Name

Authorized Signature

Date

Time

6/8/22 11:45

Sender's ID No.

Brief Description

25570.005-0102

25570.005-0103

RECEIVER

Date Received:

Company: Lab Cor

Address: 4321 S Corbett Ave Ste A
Portland, OR 97239
503-224-5055

Name

Authorized Signature

Date

Time

6/8/22 11:45

Receiver's ID No.

Please analyze the enclosed 2 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:

72 Hour

SPECIAL INSTRUCTIONS:

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

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

Comments:

Report Qualifiers (Q):

P : PA-DEP Accredited (PA DEP Lab ID 02-00396, NELAP)
N : NY ELAP Accredited (NY ELAP Lab Code 10884)

A : AIHA LAP, LLC Accredited (Lab ID 100364)

— : 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 accreditations

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

B = Analyte detected in the associated Method Blank

S = Spike Recovery outside accepted limits

R = RPD (relative percent difference) outside accepted limits

D = RL (reporting limit verification) outside accepted limits

NP = Not Provided

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.



Erin Repine
Scientist

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.: PA180520220010
Samples Received: May 18, 2022
Report Date: May 23, 2022
Client Project: 25570.005 Phase 0001
Purchase Order No.: N/A
Matrix: Solid
Prep/ Analysis: EPA 3050B / EPA 6010C-Paint

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

Comments:

Report Qualifiers (Q):

P : PA-DEP Accredited (PA DEP Lab ID 02-00396, NELAP)
N : NY ELAP Accredited (NY ELAP Lab Code 10884)

A : AIHA LAP, LLC Accredited (Lab ID 100364)

— : 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 accreditations

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

B = Analyte detected in the associated Method Blank

S = Spike Recovery outside accepted limits

R = RPD (relative percent difference) outside accepted limits

D = RL (reporting limit verification) outside accepted limits

NP = Not Provided

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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.



Erin Repine
Scientist



TRANSMITTAL AND CHAIN OF CUSTODY FOR LEAD BULK SAMPLES

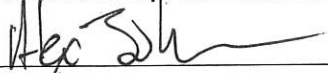
Project No.: 25570.005 Phase 0001

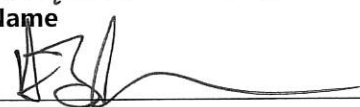
Individuals signing this form warrant that the information provided is correct and complete. The Sender should keep a copy and send the original. The Receiver should complete the form, keep a copy and return the original to the Sender. Receiver shall report damage of package immediately to Sender.

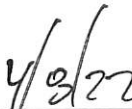
SENDER

Date Sent: April 08, 2022

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


Name

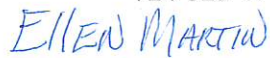

Authorized Signature


Date

RECEIVER

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

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


Name


Authorized Signature


Date

Sender's ID No.

Brief Description

Receiver's ID No.

LB25570.005-1001✓

LB25570.005-1002✓

LB25570.005-1003✓

LB25570.005-1004✓

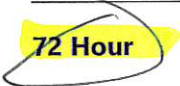
ANALYSIS REQUESTED:

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

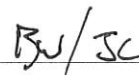
Please analyze the enclosed 4 sample(s) for LEAD content using Atomic Absorption Method. PBS requests prior notification if samples will be disposed.

Please fax and mail the results to the above address.

TURNAROUND DESIRED:


72 Hour

SPECIAL INSTRUCTIONS:



**PBS**

PA180520220010

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:** May 17, 2022

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

Brian W.
Name

[Signature]
Authorized Signature

5.17.22
Date

RECEIVER**Date Received:** 05/18/22 10:40am

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

Enca Schimizzi
Name

Enca Schimizzi 05/18/22 10:40am
Authorized Signature **Date**

Sender's ID No.

LB25570.005-1005

Brief Description**Receiver's ID No.****ANALYSIS REQUESTED:**

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

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

Please fax and mail the results to the above address.

TURNAROUND DESIRED:**72 Hour****SPECIAL INSTRUCTIONS:** EMAIL RESULTS TO: ALEX.JOHNSON@PBSUSA.COM

LABORATORY REPORT

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

Attn: Keenan Landon
 Phone: 503-248-1939
 Fax: 866-727-0140
 Email: keenan.landon@pbsusa.com

RJ Lee Group Job No.: PA270520220016
 Samples Received: May 27, 2022
 Report Date: June 2, 2022
 Client Project: 25570.005 Phase 0001
 Purchase Order No.: N/A
 Matrix: Solid
 Prep/ Analysis: EPA 3050B / EPA 6010C-Paint

Client Sample ID	RJ Lee Group ID	Sampling Date	Analyte	Sample Concentration		Minimum Reporting Limit		Analysis Date	Q
				Weight Percent (%)	Parts per Million (PPM) - mg/kg	Weight Percent (%)	Parts per Million (PPM) - mg/kg		
LB25570.005-1006	PA270520220016-001	NP	Lead	0.0131	131	0.00120	12.0	6/2/2022	A
LB25570.005-1007	PA270520220016-002	NP	Lead	4.38	43800	0.123	1230	6/2/2022	A

Comments:

Report Qualifiers (Q):

P : PA-DEP Accredited (PA DEP Lab ID 02-00396, NELAP)
N : NY ELAP Accredited (NY ELAP Lab Code 10884)

A : AIHA LAP, LLC Accredited (Lab ID 100364)
 — : 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 accreditations

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

B = Analyte detected in the associated Method Blank
 S = Spike Recovery outside accepted limits
 R = RPD (relative percent difference) outside accepted limits
 D = RL (reporting limit verification) outside accepted limits
 NP = Not Provided

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.

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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.



PA270520220016

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: May 26, 2022

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

Keenan Landon

Name

Authorized Signature

5/26/22

Date

RECEIVER

Date Received: 052722 1/10

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

Name

Authorized Signature

052722
Date

Sender's ID No.

LB25570.005-1006

LB25570.005-1007

Brief Description

Receiver's ID No.

ANALYSIS REQUESTED:

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

Please analyze the enclosed 2 sample(s) for LEAD content using Atomic Absorption Method.
PBS requests prior notification if samples will be disposed.

Please fax and mail the results to the above address.

TURNAROUND DESIRED:

72 Hour

SPECIAL INSTRUCTIONS:

Joe Lucas

Lead Paint Sample Field Form

Client: WA CDYH Project Name: HUNTER GYM & DIVINE HALL

Project No. 25570.005 Phase 0001 Task (*Required: full project and phase numbers)

Samples **delivered** undamaged to office by: BRIAN W. Sign:  Date: 5.26.22 Time: 6:30
(Inspector)

Samples **received** at office undamaged by: _____ Sign: _____ Date: _____ Time: _____
(Admin)

Lab: R. J. LEE
(specify)

Turnaround time (check one):

☐ Rush (Same Day) ☐ 24 hours ☐ 48 hours
☒ 3 days ☐ 5 days

Email Results to: JOE. L.
(Project Manager)

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

[illegible]

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,

A handwritten signature in black ink, appearing to read "Nick Ly".

Nick Ly, Technical Director

Enclosure: Sample Results

Phone: 206.547.0100 | Fax: 206.634.1936 | Toll Free: 1.888.NVL.LABS (685.5227)
4708 Aurora Avenue North | Seattle, WA 98103

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



Definition Appendix

Terms

PPM	Parts per Million.
QC Batch Group	Quality Control Batch Group. The entity that links analytical results and supporting quality control results.
R	The data are not reliable due to possible contamination or loss of material during preparation or analysis. Re-sampling and reanalysis are necessary for verification.
RL	Reporting Limit. The minimum concentration that can be quantified under routine operating conditions.
RPD	Relative Percent Difference. The relative difference between duplicate results(matrix spike, blank spike, or samples duplicate) expressed as a percentage.
RPD Limit	The maximum RPD allowed for a set of duplicate measurements(see RPD).
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	PBS Environmental	Samples Received*	3
SDG Number	2206847.00	Analyzed By	Evelyn Ahulu
Date Reported	04/14/2022	Samples Analyzed*	3
Project Number	25570.005 P1	Analysis Method	8082A
Location	WA DES-CDHY, Hunter Gym & Divine Hall	Preparation Method	3546PR (PCB)

* for this test only

Sample Number	25570.005-PCB001	Received	04/11/2022
Lab Sample ID	22342534	Matrix	Material
Initial Sample Size	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	5.3	6.5	

Comments: Reporting limit raised due to dilution (interference)

Sample Number	25570.005-PCB002	Received	04/11/2022
Lab Sample ID	22342535	Matrix	Material
Initial Sample Size	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	49	460	

Comments: Reporting limit raised due to dilution.



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 Number:	2206847
		Project Manager:	Joe Lucas
QC Batch(es):	Q1558	Analysis Method:	8082A
QC Batch Method:	3546PR (PCB)	Analysis Description:	Polychlorinated Biphenyls by Gas Chromatography
Preparation Date:	04/12/2022		
Blank: MBLK-2206847			

Analyte	Blank Result	Units	DF	RL	Control 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-1254-2206847

Analyte	Blank Spike Result	Units	DF	Spike Conc.	% Rec	% Rec Limits	Qualifiers
Aroclor-1254	22	mg/Kg	1	20.0	110	40-140	
Surrogates:							
Tetrachloro-m-xylene			1		99	40-140	
Decachlorobiphenyl			1		137	40-140	

Lab Control Sample: LCS-1016+1260-2206847

Lab Control Sample Duplicate: LCS

Dup-11016+1260-2206847

Analyte	Blank Spike Result	Units	DF	Spike 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			
	17.2			20.0	86	40-140	20.8	50	
Surrogates:									
Tetrachloro-m-xylene			1		86	40-140			
					78	40-140			
Decachlorobiphenyl			1		120	40-140			
					92	40-140			

Surrogate Recovery Summary Report

Client	PBS Environmental		SDG Number	2206847	
Project	25570.005 P1				
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: **2206847**Contract: **N/A**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

% Rec = Percent recovery

* = Percent recovery not within control limits

ORGANICS LABORATORY SERVICES



Company PBS Environmental - Portland Address 4412 S Corbett Ave. Portland, OR 97239 Project Manager Mr. Joe Lucas Phone (503) 248-1939 Cell (206) 510-8038	NVL Batch Number 2206847.00 TAT 5 Days AH No Rush TAT Due Date 4/18/2022 Time 10:20 AM Email joe.lucas@pbsusa.com 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		A
2	22342535	25570.005-PCB002		A
3	22342536	25570.005-PCB003		A

	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 Anulu		NVL	4/12/22	16:00
Results Called by					
☐ Faxed ☐ Emailed					
Special Instructions:					

2206847



PCB'S CHAIN OF CUSTODY

Turn Around Time

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

Please call for TAT less than 24 Hours

Company PBS ENGR & ENV.Project Manager JOE LUCAS

Address _____

Cell () -

Phone _____

Email JOE.LUCAS@PBSUSA.COM

Fax () -

Project Name/Number 25570.005 P1Project Location WA DES - CDHY, HUNTER GYM & DIVINE HALL☐ PCB's Air☒ PCB's Bulk☐ PCB Wipe☐ PCB BTEXReporting Instructions EMAIL = ALEX.JOHNSON@PBSUSA.COM, JOE.LUCAS@PBSUSA.COM☐ Call () -☐ Fax () -☒ Email BRIAN.WEHNER@PBSUSA.COM

Total Number of Samples _____

Sample ID	Description	A/R
1 <u>PCB 001</u>	<u>GRAY - INTERIOR, PERIMETER WINDOW CAULKING</u>	<u>HUNTER GYM</u>
2 <u>PCB 002</u>	<u>GRAY - EXTERIOR DOOR FRAME CAULKING, N SIDE OF</u>	
3	<u>HUNTER GYM</u>	
4 <u>PCB 003</u>	<u>DARK BROWN - RM 313, INTERIOR WINDOW FRAME CAULK</u>	
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

Print Name	Signature	Company	Date	Time
Sampled by <u>BRIAN WEHNER</u>	<u>[Signature]</u>	<u>PBS</u>	<u>4-8-22</u>	<u>14:15</u>
Relinquish by <u>Brian W.</u>	<u>[Signature]</u>	<u>"</u>	<u>"</u>	<u>"</u>

Office Use Only

Print Name	Signature	Company	Date	Time
Received by <u>Kelvin Arlen</u>	<u>[Signature]</u>	<u>NUL</u>	<u>4/11/22</u>	<u>16:00 P1</u>
Analyzed by <u>Evelyn Arlen</u>	<u>[Signature]</u>	<u>NUL</u>	<u>4/12/22</u>	<u>16:00</u>
Called by _____				
Faxed/Email by _____				

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,

A handwritten signature in black ink, appearing to read "Nick Ly".

Nick Ly, Technical Director

Enclosure: Sample Results

Phone: 206.547.0100 | Fax: 206.634.1936 | Toll Free: 1.888.NVL.LABS (685.5227)

4708 Aurora Avenue North | Seattle, WA 98103

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



Definition Appendix

Terms

PPM	Parts per Million.
QC Batch Group	Quality Control Batch Group. The entity that links analytical results and supporting quality control results.
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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 **PBS Environmental - Vancouver**
 SDG Number **2209299.00**
 Date Reported **05/23/2022**
 Project Number **25570.005 P1**
 Location **Hunter Gym and Divine Hall**

Samples Received* **5**
 Analyzed By **Evelyn Ahulu**
 Samples Analyzed* **5**
 Analysis Method **8082A**
 Preparation Method **3546PR (PCB)**

* for this test only

Sample Number 25570.005 P1 PCB004

Received 05/18/2022

Lab Sample ID 22358792

Matrix Material

Initial Sample Size 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**660****10300**

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

Sample Number 25570.005 P1 PCB005

Received 05/18/2022

Lab Sample ID 22358793

Matrix Material

Initial Sample Size 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**1.7****2**

Comments: Reporting limit raised due to small sample size.

ANALYSIS REPORT



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	Final 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 raised 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

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	



ANALYSIS REPORT
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 Number:	2209299
		Project Manager:	Joe Lucas
QC Batch(es):	Q1576	Analysis Method:	8082A
QC Batch Method:	3546PR (PCB)	Analysis Description:	Polychlorinated Biphenyls by Gas Chromatography
Preparation Date:	05/18/2022		
Blank: MBLK-2209299			

Analyte	Blank Result	Units	DF	RL	Control 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	
<i>Surrogates:</i>				% Rec		
Tetrachloro-m-xylene			1	67	40-140	
Decachlorobiphenyl			1	93	40-140	

Lab Control Sample: LCS-1254-2209299

Analyte	Blank Spike Result	Units	DF	Spike Conc.	% Rec	% Rec Limits	Qualifiers
Aroclor-1254	15.3	mg/Kg	1	20.0	77	40-140	
<i>Surrogates:</i>							
Tetrachloro-m-xylene			1		81	40-140	
Decachlorobiphenyl			1		96	40-140	

Lab Control Sample: LCS-1016+1260-2209299

Lab Control Sample Duplicate: LCS

Dup-1016+1260-2209299

Analyte	Blank Spike Result	Units	DF	Spike 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			
	19			20.0	95	40-140	6.6	50	
<i>Surrogates:</i>									
Tetrachloro-m-xylene			1		78	40-140			
					83	40-140			
Decachlorobiphenyl			1		92	40-140			
					101	40-140			

Surrogate Recovery Summary Report

Client		SDG Number		
PBS Environmental - Vancouver		2209299		
Project				
25570.005 P1				
Customer Sample ID	Lab Sample ID	Analyte	Recovery	Limits
25570.005 P1 PCB004	22358792	Decachlorobiphenyl	126%	40-140
25570.005 P1 PCB004	22358792	Tetrachloro-m-xylene	87%	40-140
25570.005 P1 PCB005	22358793	Decachlorobiphenyl	96%	40-140
25570.005 P1 PCB005	22358793	Tetrachloro-m-xylene	80%	40-140
25570.005 P1 PCB006	22358794	Decachlorobiphenyl	84%	40-140
25570.005 P1 PCB006	22358794	Tetrachloro-m-xylene	73%	40-140
25570.005 P1 PCB007	22358795	Decachlorobiphenyl	95%	40-140
25570.005 P1 PCB007	22358795	Tetrachloro-m-xylene	82%	40-140
25570.005 P1 PCB008	22358796	Decachlorobiphenyl	87%	40-140
25570.005 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-1016+1260-2209299	LCS-1016+1260-2209299	Decachlorobiphenyl	92%	40-140
LCS-1016+1260-2209299	LCS-1016+1260-2209299	Tetrachloro-m-xylene	78%	40-140
LCS-1254-2209299	LCS-1254-2209299	Decachlorobiphenyl	96%	40-140
LCS-1254-2209299	LCS-1254-2209299	Tetrachloro-m-xylene	81%	40-140
MBLK-2209299	MBLK-2209299	Decachlorobiphenyl	93%	40-140
MBLK-2209299	MBLK-2209299	Tetrachloro-m-xylene	67%	40-140

* Recovery outside limits

**INITIAL AND CONTINUING CALIBRATION VERIFICATION**SDG No: **2209299**Contract: **N/A**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

% Rec = Percent recovery

* = Percent recovery not within control limits

ORGANICS LABORATORY SERVICES



NVL

Company PBS Environmental - Vancouver
Address 415 W. 6th Street
 Vancouver, WA 98660
Project Manager Mr. Joe Lucas
Phone (360) 695-3488
Cell (206) 510-8038

NVL Batch Number 2209299.00
TAT 5 Days **AH** No
Rush TAT
Due Date 5/25/2022 **Time** 9:20 AM
Email joe.lucas@pbsusa.com
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		A
2	22358793	25570.005 P1-PCB005		A
3	22358794	25570.005 P1-PCB006		A
4	22358795	25570.005 P1-PCB007		A
5	22358796	25570.005 P1-PCB008		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	5/18/22	920
Analyzed by	Evelyn Ameln		NVL	5/18/22	16:00
Results Called by					
☐ Faxed ☐ Emailed					
Special Instructions:					

Entered By: Kelly AuVu

Date: 5/18/2022

Time: 9:31 AM

1 of 1

4708 Aurora Ave North, Seattle, WA 98103

p 206.547.0100

f 206.634.1936

www.nvllabs.com

Company PBS ENG. & ENV. Project Manager JOE LUCAS
 Address 1325 SE TECH CENTER DR. SUITE 40 Cell (206) 510-8038
VANCOUVER, WA. 98683 Email _____
 Phone 360.695.3488 Fax () -

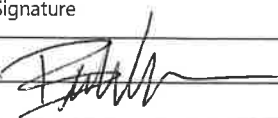
Project Name/Number 25570.005 P1 Project Location HUNTER GYM & DIVINE HALL

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

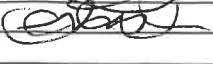
Reporting Instructions EMAIL: ALEX.JOHNSON@PBSUSA.COM, JOE.LUCAS@PBSUSA.COM
☐ Call () - ☐ Fax () - ☒ Email BRIAN.WEHNER@PBSUSA.COM

Total Number of Samples 5

Sample ID	Description	A/R
1 PCB-004	GARY - HARD CAULKING / HUNTER GYM; E SIDE, BETWEEN WINDOW BLOCKS & BRICK @ PERIMETER	
2		
3 PCB-005	RED BRICK WITH GRAYISH MORTAR / HUNTER GYM; N SIDE, NE EXIT DOOR, EXTERIOR, ADJACENT TO CAULKING	
4		
5 PCB-006	RED BRICK WITH GRAYISH MORTAR / HUNTER GYM; N SIDE, NE EXIT DOOR, EXTERIOR, 8 CM FROM CAULKING	
6		
7 PCB-007	BLACK - FLEXIBLE CAULKING / HUNTER GYM; S SIDE, AROUND SKIMCOATED ACCENT PANELS	
8		
9 PCB-008	GRAY - FLEXIBLE CAULKING / HUNTER GYM; S SIDE, ABOVE WINDOW BLOCKS, AROUND PERIMETER OF WALL VENT	
10		
11		
12		
13		
14		
15		

Print Name	Signature	Company	Date	Time
Sampled by <u>BRIAN W.</u>		<u>PBS ENG. & ENV.</u>	<u>5/13/22</u>	<u>13:30</u>
Relinquish by <u>"</u>		<u>"</u>	<u>5/17/22</u>	<u>9:30</u>

Office Use Only

Print Name	Signature	Company	Date	Time
Received by <u>Rochelle M.</u>		<u>NVL</u>	<u>5/18/22</u>	<u>9:20 UPS</u>
Analyzed by <u>Evelyn Alm/m</u>		<u>NVL</u>	<u>5/18/22</u>	<u>16:00</u>
Called by				
Faxed/Email by				

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:

- 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,

A handwritten signature in black ink, appearing to read "Nick Ly".

Nick Ly, Technical Director

Enclosure: Sample Results

Phone: 206.547.0100 | Fax: 206.634.1936 | Toll Free: 1.888.NVL.LABS (685.5227)

4708 Aurora Avenue North | Seattle, WA 98103

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



Definition Appendix

Terms

PPM	Parts per Million.
QC Batch Group	Quality Control Batch Group. The entity that links analytical results and supporting quality control results.
R	The data are not reliable due to possible contamination or loss of material during preparation or analysis. Re-sampling and reanalysis are necessary for verification.
RL	Reporting Limit. The minimum concentration that can be quantified under routine operating conditions.
RPD	Relative Percent Difference. The relative difference between duplicate results(matrix spike, blank spike, or samples duplicate) expressed as a percentage.
RPD Limit	The maximum RPD allowed for a set of duplicate measurements(see RPD).
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	PBS Environmental - Vancouver	Samples Received*	2
SDG Number	2210486.00	Analyzed By	Evelyn Ahulu
Date Reported	06/13/2022	Samples Analyzed*	2
Project Number	25570.005 P1	Analysis Method	8082A
Location	Hunter Gym and Divine Hall	Preparation Method	3546PR (PCB)

* for this test only

Sample Number	25570.005 P1-PCB-009	Received	06/08/2022
Lab Sample ID	22365805	Matrix	Material
Initial Sample Size	0.5123 gm	Units of Result	mg/Kg, as received

Analyte	RL	Final Result	Analysis Date
Aroclor-1016	78	< 78	06/08/2022
Aroclor-1221	78	< 78	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	78	1170	

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

Sample Number	25570.005 P1-PCB-010	Received	06/08/2022
Lab Sample ID	22365806	Matrix	Material
Initial Sample Size	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	2.4	18.2	

Comments: Reporting limit raised due to small sample size

Quality Control Results

Project Number:	25570.005 P1	SDG Number:	2210486
		Project Manager:	Joe Lucas
QC Batch(es):	Q1582	Analysis Method:	8082A
QC Batch Method:	3546PR (PCB)	Analysis Description:	Polychlorinated Biphenyls by Gas Chromatography
Preparation Date:	06/08/2022		
Blank: MBLK-2210486			

Analyte	Blank Result	Units	DF	RL	Control 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	85	40-140	
Decachlorobiphenyl			1	105	40-140	

Lab Control Sample: LCS 1254-2210486

Analyte	Blank Spike Result	Units	DF	Spike Conc.	% Rec	% Rec Limits	Qualifiers
Aroclor-1254	16.6	mg/Kg	1	20.0	83	40-140	
Surrogates:							
Tetrachloro-m-xylene			1		84	40-140	
Decachlorobiphenyl			1		96	40-140	

Lab Control Sample: LCS-1016+1260-2210486

Lab Control Sample Duplicate: LCS Dup-1016+1260

Analyte	Blank Spike Result	Units	DF	Spike Conc.	% Rec	Limits	RPD	RPD Limit	Qualifiers
Aroclor-1016	17.9	mg/Kg	1	20.0	90	40-140			
	19.8			20.0	99	40-140	9.8	50	
Aroclor-1260	20.9	mg/Kg	1	20.0	105	40-140			
	22.9			20.0	115	40-140	9.1	50	
Surrogates:									
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 - Vancouver			SDG Number	2210486
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: **2210486**Contract: **N/A**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

% Rec = Percent recovery

* = Percent recovery not within control limits

ORGANICS LABORATORY SERVICES



NVL

Company PBS Environmental - Vancouver
 Address 415 W. 6th Street
Vancouver, WA 98660
 Project Manager Mr. Joe Lucas
 Phone (360) 695-3488
 Cell (206) 510-8038

NVL Batch Number 2210486.00
 TAT 3 Days AH No
 Rush TAT _____
 Due Date 6/13/2022 Time 10:10 AM
 Email joe.lucas@pbsusa.com
 Fax () -

Project Name/Number: 25570.005 P1

Project Location: Hunter Gym & Divine Hall

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
1	22365805	25570.005 P1-PCB-009		A
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 Miller

Date: 6/8/2022

Time: 10:25 AM

1 of 1

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f 206.634.1936

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Turn Around Time

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

Please call for TAT less than 24 Hours

Company PBS ENG. & ENV. Project Manager Joe L.
 Address 1325 SE TECH CENTER DR. SUITE 140 Cell (206) 510 - 8038
VANCOUVER, WA. 98683 Email JOE.LUCAS@PBSUSA.COM
 Phone 360.695.3488 Fax ()

Project Name/Number 25570.005 P1 Project Location HUNTER GYM & DIVINE HALL

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

Reporting Instructions EMAIL: ALEX.JOHNSON@PBSUSA.COM, BRIAN.WEINER@PBSUSA.COM
☐ Call () ☐ Fax () ☒ Email JOE.LUCAS@PBSUSA.COM

Total Number of Samples _____

	Sample ID	Description	A/R
1	PCB-009	RED BRICK & GRAY MORTAR / HUNTER GYM;	
2		EXTERIOR, EAST SIDE, ADJACENT TO PERIMETER	
3		WINDOW CAULKING	
4	PCB-010	RED BRICK & GRAY MORTAR / HUNTER GYM;	
5		EXTERIOR, EAST SIDE, 8 CM FROM PERIMETER	
6		WINDOW CAULK	
7			
8			
9			
10			
11			
12			
13			
14			
15			

	Print Name	Signature	Company	Date	Time
Sampled by	BRIAN WEINER		PBS ENG & ENV.	6.7.22	12:40
Relinquish by	"		ENV.	"	15:00

Office Use Only

	Print Name	Signature	Company	Date	Time
Received by	Rachelle Miller		NVL	6/8/22	1010 UPS
Analyzed by	Evelyn Almon		NVL	6/8/22	1600
Called by					
Faxed/Email by					

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



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

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

A handwritten signature in black ink, appearing to read "Andy Fridley", is written over a horizontal line.

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



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

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

A handwritten signature in black ink, appearing to read "Andy Fridley", is written over a horizontal line.

Andy Fridley, Instructor

<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, 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 room, on concrete, green, sandy poured flooring		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>	<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 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	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, between glass window blocks, gray mortar		Lab Cor
	Layer:	Description:	Analysis:	
	Layer 1	loose granular powder, gray/tan	No Asbestos Detected	
25570.005-0011	Caulk (01)	Hunter gym; around perimeter of window blocks, white/gray, hard caulking		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 of window blocks, behind perimeter caulk, brown fibrous hair-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 blocks, northwest side, gray, hard caulking		Lab Cor
	Layer:	Description:	Analysis:	
	Layer 1	compact fibrous material, gray	4% Chrysotile	
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	

<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 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 (02)	Divine hall; north girls restroom, on concrete, yellow sandy poured flooring		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		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 north perimeter window frame, black/dark brown, rubbery 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 stainless steel, white sink undercoating		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>	<u>Lab</u>
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 (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 4' white fissured and pinhole lay-in ceiling tile		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, on top of ceiling tiles, miscellaneous debris		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>	<u>Lab</u>
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 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	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 storage room, on concrete, black mastic		Lab Cor
	Layer:	Description:	Analysis:	
	Layer 1	loose particulate, black	3% Chrysotile	
25570.005-0048	Mastic (04)	Divine hall; outside room 302, behind metal lay-in ceiling tile grid on wall, yellow mastic		Lab Cor
	Layer:	Description:	Analysis:	
	Layer 1	loose particulate, tan	No Asbestos Detected	

<u>Code</u>	<u>Material</u>	<u>Location</u>	<u>Results</u>	<u>Lab</u>
25570.005-0049	Duct Felt Tape	Divine hall; outside custodian room in south hallway behind corkboard yellow tape with white mastic		Lab Cor
	Layer:	Description:	Analysis:	
	Layer 1	loose flexible material, white/yellow	No Asbestos Detected	
25570.005-0050	Sink Undercoating (01)	Divine hall; room 303, on stainless sink, black sink undercoating		Lab Cor
	Layer:	Description:	Analysis:	
	Layer 1	loose particulate, brown/black	3% Chrysotile	
25570.005-0051	Mudded Joint Fittings	Divine hall; outside room 302, on pipe at T-intersection, white, mudded hard fitting		Lab Cor
	Layer:	Description:	Analysis:	
	Layer 1	loose fibers with powder, off-white/gray	No Asbestos Detected	
25570.005-0052	Mechanical Isolation 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 science lab, around perimeter door frame, black/dark 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 outside science lab, on soffit, white, sandy texture		Lab Cor
	Layer:	Description:	Analysis:	
	Layer 1	loose particulate, gray	No Asbestos Detected	
25570.005-0055	Mudded Joint Fittings	Divine hall; hallway outside room 306, above drop ceiling, on pipe, large elbow, grayish/white hard fitting		Lab Cor
	Layer:	Description:	Analysis:	
	Layer 1	loose fibrous powder, gray	No Asbestos Detected	
25570.005-0056	Mudded Joint Fittings	Divine hall; hallway outside room 306, above drop ceiling, on pipe, small elbow, grayish/white 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 306, above drop ceiling, on tiles, miscellaneous debris		Lab Cor
	Layer:	Description:	Analysis:	
	Layer 1	loose fibrous powder, off-white/brown	No Asbestos Detected	
25570.005-0058	Gypsum Wallboard/Joint Compound	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	
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	
25570.005-0061	Mastic (07)	Divine hall; science lab, under large black countertops, caramel, hard mastic		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	

PLM - Visual Estimate Extended Final Report

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

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



Lab/Cor Portland, Inc.

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

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

PLM - Visual Estimate Extended Final Report

Job Number: 221084

Client: PBS Engineering and Environmental

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 Extended	4/8/2022



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

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

PLM - Visual Estimate Extended Final Report

Job Number: 221084

Client: PBS Engineering and Environmental

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

Client: PBS Engineering and Environmental

Project Name:

Report Number: 221084R01

Report Date: 4/14/2022

PLM - Visual Estimate Extended The submitted sample(s) were analyzed according to the 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. 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,


X

Mia Gaines
Analyst

BULK SAMPLE ASBESTOS ANALYSIS

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

Report Number: 221084R01

Report Date: 04/14/2022

Job Number: 221084

P.O. No: n/a

Project Name:

Project Number: 25570.005 Phase 0001

Project Notes:

Client Sample ID: 25570.005-0001		Sample ID: S1			Date Analyzed: 04/14/2022	
Client Sample Description:					Analyst: Tim Cammann	
Asbestos Mineral Fibers		Layer Percent:	Chrysotile	Amosite	Crocidolite	Percent Asbestos:
Homogeneous						
hard granular material, green/gray, with coating, gray/red		100 %	-	-	-	NAD
Other Fibers		Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other
		-	-	-	-	Matrix 100 %
Client Sample ID: 25570.005-0002		Sample ID: S2			Date Analyzed: 04/14/2022	
Client Sample Description:					Analyst: Tim Cammann	
Asbestos Mineral Fibers		Layer Percent:	Chrysotile	Amosite	Crocidolite	Percent Asbestos:
Homogeneous						
thin brittle material, gray, with mastic, yellow/clear		100 %	-	-	-	NAD
Other Fibers		Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other
		-	-	-	-	Matrix 100 %
Client Sample ID: 25570.005-0003		Sample ID: S3			Date Analyzed: 04/14/2022	
Client Sample Description:					Analyst: Tim Cammann	
Asbestos Mineral Fibers		Layer Percent:	Chrysotile	Amosite	Crocidolite	Percent Asbestos:
Layer 01						
hard compact powder, white/green		92 %	-	-	-	NAD
Layer 02						
mastic, tan		8 %	-	-	-	NAD
Other Fibers		Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other
Layer 01		-	-	-	-	Matrix 100 %
Layer 02		-	-	-	-	100 %

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

Report Number: 221084R01

Report Date: 04/14/2022

Job Number: 221084

P.O. No: n/a

Project Name:

Project Number: 25570.005 Phase 0001

Project Notes:

Client Sample ID: 25570.005-0004		Sample ID: S4			Date Analyzed: 04/14/2022	
Client Sample Description:					Analyst: Tim Cammann	
<u>Asbestos Mineral Fibers</u>	Layer Percent:	Chrysotile	Amosite	Crocidolite	Percent Asbestos:	
Layer 01						
rubbery material, brown	65 %	-	-	-	NAD	
Layer 02						
mastic with coating, off-white/tan/green	35 %	-	-	-	NAD	
<u>Other Fibers</u>	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix
Layer 01	-	-	-	-	-	100 %
Layer 02	-	Trace	-	-	-	100 %

Client Sample ID: 25570.005-0005		Sample ID: S5			Date Analyzed: 04/14/2022	
Client Sample Description:					Analyst: Tim Cammann	
<u>Asbestos Mineral Fibers</u>	Layer Percent:	Chrysotile	Amosite	Crocidolite	Percent Asbestos:	
Layer 01						
coating, white/green	12 %	-	-	-	NAD	
Layer 02						
compact chalky material with paper, white	88 %	-	-	-	NAD	
<u>Other Fibers</u>	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix
Layer 01	-	5 %	-	-	-	95 %
Layer 02	Trace	3 %	-	-	-	97 %

Client Sample ID: 25570.005-0006		Sample ID: S6			Date Analyzed: 04/14/2022	
Client Sample Description:					Analyst: Tim Cammann	
<u>Asbestos Mineral Fibers</u>	Layer Percent:	Chrysotile	Amosite	Crocidolite	Percent Asbestos:	
Homogeneous						
hard granular material, green/tan/red	100 %	-	-	-	NAD	
<u>Other Fibers</u>	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix
	-	-	-	-	-	100 %

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

Report Number: 221084R01

Report Date: 04/14/2022

Job Number: 221084

P.O. No: n/a

Project Name:

Project Number: 25570.005 Phase 0001

Project Notes:

Client Sample ID:	25570.005-0007		Sample ID:	S7		Date Analyzed:	04/14/2022	
Client Sample Description:						Analyst:	Tim Cammann	
Asbestos Mineral Fibers	Layer Percent:	Chrysotile	Amosite	Crocidolite				Percent Asbestos:
Layer 01								
hard compact material, white/yellow	40 %	-	-	-				NAD
Layer 02								
mastic material, yellow/tan	60 %	-	-	-				NAD
Other Fibers	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other			Matrix
Layer 01	-	-	-	-	-	-	-	100 %
Layer 02	-	Trace	-	-	-	-	-	100 %

Client Sample ID:	25570.005-0008		Sample ID:	S8		Date Analyzed:	04/14/2022	
Client Sample Description:						Analyst:	Tim Cammann	
Asbestos Mineral Fibers	Layer Percent:	Chrysotile	Amosite	Crocidolite				Percent Asbestos:
Homogeneous								
granular compact powder, gray, with paint, white/blue/green	100 %	-	-	-				NAD
Other Fibers	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other			Matrix
	-	-	-	-	-	-	-	100 %

Client Sample ID:	25570.005-0009		Sample ID:	S9		Date Analyzed:	04/14/2022	
Client Sample Description:						Analyst:	Tim Cammann	
Asbestos Mineral Fibers	Layer Percent:	Chrysotile	Amosite	Crocidolite				Percent Asbestos:
Layer 01								
loose granular powder, gray	50 %	-	-	-				NAD
Layer 02								
loose granular powder, red	50 %	-	-	-				NAD
Other Fibers	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other			Matrix
Layer 01	-	-	-	-	-	-	-	100 %
Layer 02	-	-	-	-	-	-	-	100 %

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

Report Number: 221084R01

Report Date: 04/14/2022

Job Number: 221084

P.O. No: n/a

Project Name:

Project Number: 25570.005 Phase 0001

Project Notes:

Client Sample ID: 25570.005-0010	Sample ID: S10	Date Analyzed: 04/14/2022	
Client Sample Description:		Analyst: Tim Cammann	
Asbestos Mineral Fibers	Layer Percent: Chrysotile Amosite Crocidolite		Percent Asbestos:
Homogeneous			
loose granular powder, gray/tan	100 % - - -		NAD
Other Fibers	Fibrous Glass Cellulose Mineral Wool Synthetic Other		Matrix 100 %
- - - - -			
Client Sample ID: 25570.005-0011	Sample ID: S11	Date Analyzed: 04/14/2022	
Client Sample Description:		Analyst: Mia Gaines	
Asbestos Mineral Fibers	Layer Percent: Chrysotile Amosite Crocidolite		Percent Asbestos:
Homogeneous			
compact flexible material, gray with coating, off-white/gray	100 % 4 % - -		4 %
Other Fibers	Fibrous Glass Cellulose Mineral Wool Synthetic Talc Other		Matrix 96 %
- - - - -			
Client Sample ID: 25570.005-0012	Sample ID: S12	Date Analyzed: 04/14/2022	
Client Sample Description:		Analyst: Mia Gaines	
Asbestos Mineral Fibers	Layer Percent: Chrysotile Amosite Crocidolite		Percent Asbestos:
Homogeneous			
loose fibrous material, brown	100 % - - -		NAD
Other Fibers	Fibrous Glass Cellulose Mineral Wool Synthetic Other		Matrix 0 %
- 100 % - - -			
Client Sample ID: 25570.005-0013	Sample ID: S13	Date Analyzed: 04/14/2022	
Client Sample Description:		Analyst: Mia Gaines	
Asbestos Mineral Fibers	Layer Percent: Chrysotile Amosite Crocidolite		Percent Asbestos:
Homogeneous			
compact fibrous material, gray	100 % 4 % - -		4 %
Other Fibers	Fibrous Glass Cellulose Mineral Wool Synthetic Other		Matrix 95 %
- 1 % - - -			

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

Report Number: 221084R01

Report Date: 04/14/2022

Job Number: 221084

P.O. No: n/a

Project Name:

Project Number: 25570.005 Phase 0001

Project Notes:

Client Sample ID: 25570.005-0014		Sample ID: S14		Date Analyzed: 04/14/2022	
Client Sample Description:				Analyst: Mia Gaines	
Asbestos Mineral Fibers	Layer Percent:	Chrysotile	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 Description:				Analyst: Mia Gaines	
Asbestos Mineral Fibers	Layer Percent:	Chrysotile	Amosite	Crocidolite	Percent Asbestos:
Layer 01					
hard vinyl, off-white/tan	85 %	Trace	-	-	< 1 %
Layer 02					
mastic, black	15 %	3 %	-	-	3 %
Other Fibers	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other
Layer 01	-	-	-	-	-
Layer 02	-	2 %	-	1 %	-
					Matrix 100 % 94 %
Client Sample ID: 25570.005-0016		Sample ID: S16		Date Analyzed: 04/14/2022	
Client Sample Description:				Analyst: Mia Gaines	
Asbestos Mineral Fibers	Layer Percent:	Chrysotile	Amosite	Crocidolite	Percent Asbestos:
Layer 01					
rubbery material, brown	70 %	-	-	-	NAD
Layer 02					
mastic, brown	30 %	-	-	-	NAD
Other Fibers	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other
Layer 01	-	-	-	-	-
Layer 02	-	Trace	-	-	Talc 2 %
					Matrix 100 % 98 %

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

Report Number: 221084R01

Report Date: 04/14/2022

Job Number: 221084

P.O. No: n/a

Project Name:

Project Number: 25570.005 Phase 0001

Project Notes:

Client Sample ID:	25570.005-0017		Sample ID:	S17		Date Analyzed:	04/14/2022	
Client Sample Description:						Analyst:	Mia Gaines	
Asbestos Mineral Fibers	Layer Percent:	Chrysotile	Amosite	Crocidolite				Percent Asbestos:
Layer 01								
hard compact powder, white with paint, gray	5 %	Trace	-	-				< 1 %
Layer 02								
compact chalky material with paper, white	95 %	-	-	-				NAD
Other Fibers	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other			Matrix
Layer 01	-	-	-	-	-	-	-	100 %
Layer 02	1 %	2 %	-	-	-	-	-	97 %

Client Sample ID:	25570.005-0018		Sample ID:	S18		Date Analyzed:	04/14/2022	
Client Sample Description:						Analyst:	Mia Gaines	
Asbestos Mineral Fibers	Layer Percent:	Chrysotile	Amosite	Crocidolite				Percent Asbestos:
Layer 01								
rubbery material, black	60 %	-	-	-				NAD
Layer 02								
mastic, off-white/yellow	40 %	-	-	-				NAD
Other Fibers	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other			Matrix
Layer 01	-	-	-	-	-	-	-	100 %
Layer 02	-	-	-	-	-	-	-	100 %

Client Sample ID:	25570.005-0019		Sample ID:	S19		Date Analyzed:	04/14/2022	
Client Sample Description:						Analyst:	Mia Gaines	
Asbestos Mineral Fibers	Layer Percent:	Chrysotile	Amosite	Crocidolite				Percent Asbestos:
Homogeneous								
mastic material, gray/tan	100 %	-	-	-				NAD
Other Fibers	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other			Matrix
	-	3 %	-	Trace	-	-	-	97 %

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

Report Number: 221084R01

Report Date: 04/14/2022

Job Number: 221084

P.O. No: n/a

Project Name:

Project Number: 25570.005 Phase 0001

Project Notes:

Client Sample ID:	25570.005-0020	Sample ID:	S20	Date Analyzed:	04/14/2022	
Client Sample Description:				Analyst:	Mia Gaines	
Asbestos Mineral Fibers	Layer Percent:	Chrysotile	Amosite	Crocidolite		Percent Asbestos:
Homogeneous						
hard compact material, off-white/red	100 %	-	-	-		NAD
Other Fibers	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix
	-	-	-	-	-	100 %

Client Sample ID:	25570.005-0021	Sample ID:	S21	Date Analyzed:	04/14/2022	
Client Sample Description:				Analyst:	Tim Cammann	
Asbestos Mineral Fibers	Layer Percent:	Chrysotile	Amosite	Crocidolite		Percent Asbestos:
Layer 01						
mastic, tan/clear	5 %	-	-	-		NAD
Layer 02						
vinyl, tan	92 %	-	-	-		NAD
Layer 03						
mastic, black	3 %	2 %	-	-		2 %
Other Fibers	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix
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 Description:				Analyst:	Tim Cammann	
Asbestos Mineral Fibers	Layer Percent:	Chrysotile	Amosite	Crocidolite		Percent Asbestos:
Layer 01						
coating, white	5 %	-	-	-		NAD
Layer 02						
fibrous material, tan/gray	95 %	-	-	-		NAD
Other Fibers	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix
Layer 01	-	-	-	-	-	100 %
Layer 02	-	25 %	55 %	-	-	20 %

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

Report Number: 221084R01

Report Date: 04/14/2022

Job Number: 221084

P.O. No: n/a

Project Name:

Project Number: 25570.005 Phase 0001

Project Notes:

Client Sample ID: 25570.005-0023		Sample ID: S23			Date Analyzed: 04/14/2022
Client Sample Description:		Analyst: Tim Cammann			
<u>Asbestos Mineral Fibers</u>	Layer Percent:	Chrysotile	Amosite	Crocidolite	Percent Asbestos:
Layer 01					
compact fibrous powder, tan	60 %	-	-	-	NAD
Layer 02					
loose mastic, brown/black	40 %	-	-	-	NAD
<u>Other Fibers</u>	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other
					Matrix
Layer 01	-	Trace	75 %	-	-
Layer 02	-	Trace	Trace	-	-

Client Sample ID: 25570.005-0024		Sample ID: S24			Date Analyzed: 04/14/2022	
Client Sample Description:					Analyst: Tim Cammann	
<u>Asbestos Mineral Fibers</u>	Layer Percent:	Chrysotile	Amosite	Crocidolite	Percent Asbestos:	
Homogeneous						
compact powdery material, gray	100 %	-	-	-	NAD	
<u>Other Fibers</u>	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix
	-	5 %	5 %	-	-	90 %

Client Sample ID: 25570.005-0025		Sample ID: S25			Date Analyzed: 04/14/2022	
Client Sample Description:					Analyst: Tim Cammann	
<u>Asbestos Mineral Fibers</u>	Layer Percent:	Chrysotile	Amosite	Crocidolite	Percent Asbestos:	
Homogeneous						
loose particulate, black/brown	100 %	2 %	-	-	2 %	
<u>Other Fibers</u>	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix
	-	2 %	-	-	-	96 %

Client Sample ID: 25570.005-0026		Sample ID: S26			Date Analyzed: 04/14/2022	
Client Sample Description:					Analyst: Tim Cammann	
Asbestos Mineral Fibers	Layer Percent:	Chrysotile	Amosite	Crocidolite	Percent Asbestos:	
Homogeneous						
loose mastic, tan	100 %	-	-	-	NAD	
Other Fibers	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix
	-	2 %	-	-	-	98 %

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

Report Number: 221084R01

Report Date: 04/14/2022

Job Number: 221084

P.O. No: n/a

Project Name:

Project Number: 25570.005 Phase 0001

Project Notes:

Client Sample ID: 25570.005-0027		Sample ID: S27			Date Analyzed: 04/14/2022	
Client Sample Description:					Analyst: Tim Cammann	
Asbestos Mineral Fibers		Layer Percent:	Chrysotile	Amosite	Crocidolite	Percent Asbestos:
Layer 01						
vinyl, tan/off-white		75 %	-	-	-	NAD
Layer 02						
mastic with powder, tan/off-white/gray		25 %	-	-	-	NAD
Other Fibers		Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other
Layer 01		-	-	-	-	Matrix 100 %
Layer 02		Trace	3 %	-	-	97 %

Client Sample ID: 25570.005-0028		Sample ID: S28			Date Analyzed: 04/14/2022	
Client Sample Description:					Analyst: Tim Cammann	
Asbestos Mineral Fibers		Layer Percent:	Chrysotile	Amosite	Crocidolite	Percent Asbestos:
Homogeneous						
soft rubbery material, black		100 %	3 %	-	-	3 %
Other Fibers		Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other
		-	Trace	-	3 %	Matrix 94 %

Client Sample ID: 25570.005-0029		Sample ID: S29			Date Analyzed: 04/14/2022	
Client Sample Description:					Analyst: Tim Cammann	
Asbestos Mineral Fibers		Layer Percent:	Chrysotile	Amosite	Crocidolite	Percent Asbestos:
Homogeneous						
soft rubbery material, dark gray		100 %	-	-	-	NAD
Other Fibers		Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other
		-	-	-	-	Matrix 100 %

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

Report Number: 221084R01

Report Date: 04/14/2022

Job Number: 221084

P.O. No: n/a

Project Name:

Project Number: 25570.005 Phase 0001

Project Notes:

Client Sample ID: 25570.005-0030	Sample ID: S30				Date Analyzed: 04/14/2022	
Client Sample Description:					Analyst: Tim Cammann	
Asbestos Mineral Fibers	Layer Percent:	Chrysotile	Amosite	Crocidolite		Percent Asbestos:
Layer 01						
rubbery material, brown	85 %	-	-	-		NAD
Layer 02						
mastic, brown	15 %	-	-	-		NAD
Other Fibers	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix
Layer 01	-	-	-	-	-	100 %
Layer 02	-	-	-	-	-	100 %

Client Sample ID: 25570.005-0031	Sample ID: S31				Date Analyzed: 04/14/2022	
Client Sample Description:					Analyst: Tim Cammann	
Asbestos Mineral Fibers	Layer Percent:	Chrysotile	Amosite	Crocidolite		Percent Asbestos:
Layer 01						
mastic, orange/clear	4 %	-	-	-		NAD
Layer 02						
vinyl, tan/brown	86 %	-	-	-		NAD
Layer 03						
mastic, black	10 %	4 %	-	-		4 %
Other Fibers	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix
Layer 01	-	Trace	-	-	-	100 %
Layer 02	-	-	-	-	-	100 %
Layer 03	-	Trace	-	-	-	96 %

Client Sample ID: 25570.005-0032	Sample ID: S32				Date Analyzed: 04/14/2022	
Client Sample Description:					Analyst: Tim Cammann	
Asbestos Mineral Fibers	Layer Percent:	Chrysotile	Amosite	Crocidolite		Percent Asbestos:
Homogeneous						
loose mastic, tan/orange	100 %	-	-	-		NAD
Other Fibers	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix
	-	Trace	-	Trace	-	100 %

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

Report Number: 221084R01

Report Date: 04/14/2022

Job Number: 221084

P.O. No: n/a

Project Name:

Project Number: 25570.005 Phase 0001

Project Notes:

Client Sample ID: 25570.005-0033		Sample ID: S33			Date Analyzed: 04/14/2022	
Client Sample Description:					Analyst: Tim Cammann	
Asbestos Mineral Fibers		Layer Percent:	Chrysotile	Amosite	Crocidolite	Percent Asbestos:
Layer 01						
fine compact powder, white		10 %	-	-	-	NAD
Layer 02						
compact chalky material with paper, off-white		90 %	-	-	-	NAD
Other Fibers		Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other
Layer 01		-	2 %	-	-	-
Layer 02		Trace	2 %	-	-	-
						Matrix
						98 %
						98 %
Client Sample ID: 25570.005-0034		Sample ID: S34			Date Analyzed: 04/14/2022	
Client Sample Description:					Analyst: Tim Cammann	
Asbestos Mineral Fibers		Layer Percent:	Chrysotile	Amosite	Crocidolite	Percent Asbestos:
Homogeneous						
loose particulate, off- white		100 %	-	-	-	NAD
Other Fibers		Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other
		-	Trace	-	-	-
						Matrix
						100 %
Client Sample ID: 25570.005-0035		Sample ID: S35			Date Analyzed: 04/14/2022	
Client Sample Description:					Analyst: Tim Cammann	
Asbestos Mineral Fibers		Layer Percent:	Chrysotile	Amosite	Crocidolite	Percent Asbestos:
Layer 01						
mastic, orange/clear		6 %	-	-	-	NAD
Layer 02						
vinyl, tan		74 %	-	-	-	NAD
Layer 03						
mastic, black		20 %	4 %	-	-	4 %
Other Fibers		Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other
Layer 01		-	Trace	-	-	-
Layer 02		-	-	-	-	-
Layer 03		-	2 %	-	Trace	-
						Matrix
						100 %
						100 %
						94 %

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

Report Number: 221084R01

Report Date: 04/14/2022

Job Number: 221084

P.O. No: n/a

Project Name:

Project Number: 25570.005 Phase 0001

Project Notes:

Client Sample ID:	25570.005-0036		Sample ID:	S36		Date Analyzed:	04/14/2022	
Client Sample Description:						Analyst:	Tim Cammann	
Asbestos Mineral Fibers	Layer Percent:	Chrysotile	Amosite	Crocidolite				Percent Asbestos:
Homogeneous								
loose particulate, black/brown	100 %	2 %	-	-				2 %
Other Fibers	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other			Matrix
	-	Trace	-	-	-			98 %

Client Sample ID:	25570.005-0037		Sample ID:	S37		Date Analyzed:	04/14/2022	
Client Sample Description:						Analyst:	Tim Cammann	
Asbestos Mineral Fibers	Layer Percent:	Chrysotile	Amosite	Crocidolite				Percent Asbestos:
Layer 01								
coating, white	6 %	-	-	-				NAD
Layer 02								
compressed fibrous material, tan/gray	94 %	-	-	-				NAD
Other Fibers	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other			Matrix
Layer 01	-	-	-	-	-			100 %
Layer 02	-	45 %	45 %	-	-			10 %

Client Sample ID:	25570.005-0038		Sample ID:	S38		Date Analyzed:	04/14/2022	
Client Sample Description:						Analyst:	Tim Cammann	
Asbestos Mineral Fibers	Layer Percent:	Chrysotile	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			Matrix
Layer 01	-	-	-	-	-			100 %
Layer 02	-	-	-	-	-			100 %

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

Report Number: 221084R01

Report Date: 04/14/2022

Job Number: 221084

P.O. No: n/a

Project Name:

Project Number: 25570.005 Phase 0001

Project Notes:

Client Sample ID: 25570.005-0039		Sample ID: S39			Date Analyzed: 04/14/2022	
Client Sample Description:					Analyst: Tim Cammann	
<u>Asbestos Mineral Fibers</u>	Layer					Percent Asbestos:
	Percent:	Chrysotile	Amosite	Crocidolite		
Homogeneous						
soft rubbery material, black/dark brown	100 %	-	-	-		NAD
<u>Other Fibers</u>	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix
	-	-	-	-	-	100 %

Client Sample ID: 25570.005-0040		Sample ID: S40			Date Analyzed: 04/14/2022	
Client Sample Description:					Analyst: Tim Cammann	
Asbestos Mineral Fibers	Layer					Percent Asbestos:
	Percent:	Chrysotile	Amosite	Crocidolite		
Homogeneous						
loose fibrous powder, off-white	100 %	-	-	-		NAD
Other Fibers	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix
	-	5 %	20 %	-	-	75 %

Client Sample ID: 25570.005-0041		Sample ID: S41			Date Analyzed: 04/13/2022	
Client Sample Description:					Analyst: Tim Cammann	
<u>Asbestos Mineral Fibers</u>	Layer					Percent Asbestos:
	Percent:	Chrysotile	Amosite	Crocidolite		
Homogeneous						
loose fibers with particulate, gray/off-white	100 %	4 %	-	-		4 %
<u>Other Fibers</u>	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix
	10 %	25 %	Trace	-	-	61 %

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

Report Number: 221084R01

Report Date: 04/14/2022

Job Number: 221084

P.O. No: n/a

Project Name:

Project Number: 25570.005 Phase 0001

Project Notes:

Client Sample ID: 25570.005-0042		Sample ID: S42			Date Analyzed: 04/13/2022	
Client Sample Description:					Analyst: Tim Cammann	
<u>Asbestos Mineral Fibers</u>	Layer Percent:	Chrysotile	Amosite	Crocidolite	Percent Asbestos:	
Layer 01						
coating, off-white/tan	6 %	-	-	-	NAD	
Layer 02						
compact fibrous material, tan/gray	74 %	-	-	-	NAD	
Layer 03						
mastic, brown	20 %	-	-	-	NAD	
<u>Other Fibers</u>	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix
Layer 01	-	-	-	-	-	100 %
Layer 02	-	20 %	50 %	-	-	30 %
Layer 03	-	Trace	Trace	-	-	100 %

Client Sample ID: 25570.005-0043		Sample ID: S43			Date Analyzed: 04/14/2022	
Client Sample Description:		Analyst: Tim Cammann				
<u>Asbestos Mineral Fibers</u>	Layer Percent:	Chrysotile	Amosite	Crocidolite	Percent Asbestos:	
Layer 01						
loose particulate, white	4 %	Trace	-	-	< 1 %	
Layer 02						
compact chalky material with paper, white	96 %	-	-	-	NAD	
<u>Other Fibers</u>	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix
Layer 01	-	3 %	-	-	-	97 %
Layer 02	-	3 %	-	-	-	97 %

Client Sample ID: 25570.005-0044		Sample ID: S44			Date Analyzed: 04/14/2022	
Client Sample Description:					Analyst: Tim Cammann	
<u>Asbestos Mineral Fibers</u>	Layer Percent:	Chrysotile	Amosite	Crocidolite	Percent Asbestos:	
Homogeneous						
loose particulate, gray/black	100 %	-	-	-	NAD	
<u>Other Fibers</u>	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix
	-	Trace	-	-	-	100 %

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

Report Number: 221084R01

Report Date: 04/14/2022

Job Number: 221084

P.O. No: 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:				Analyst: Tim Cammann	
Asbestos Mineral Fibers	Layer Percent:	Chrysotile	Amosite	Crocidolite	Percent Asbestos:
Layer 01					
rubbery material, black	45 %	-	-	-	NAD
Layer 02					
loose mastic material, off-white/brown	55 %	-	-	-	NAD
Other Fibers	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other
Layer 01	-	-	-	-	-
Layer 02	-	2 %	-	-	-
					Matrix 100 % 98 %
Client Sample ID: 25570.005-0046		Sample ID: S46		Date Analyzed: 04/14/2022	
Client Sample Description:				Analyst: Tim Cammann	
Asbestos Mineral Fibers	Layer Percent:	Chrysotile	Amosite	Crocidolite	Percent Asbestos:
Homogeneous					
soft rubbery material, black	100 %	4 %	-	-	4 %
Other Fibers	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other
	-	-	-	-	-
					Matrix 96 %
Client Sample ID: 25570.005-0047		Sample ID: S47		Date Analyzed: 04/14/2022	
Client Sample Description:				Analyst: Tim Cammann	
Asbestos Mineral Fibers	Layer Percent:	Chrysotile	Amosite	Crocidolite	Percent Asbestos:
Homogeneous					
loose particulate, black	100 %	3 %	-	-	3 %
Other Fibers	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other
	-	Trace	-	-	-
					Matrix 97 %
Client Sample ID: 25570.005-0048		Sample ID: S48		Date Analyzed: 04/14/2022	
Client Sample Description:				Analyst: Tim Cammann	
Asbestos Mineral Fibers	Layer Percent:	Chrysotile	Amosite	Crocidolite	Percent Asbestos:
Homogeneous					
loose particulate, tan	100 %	-	-	-	NAD
Other Fibers	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other
	Trace	Trace	-	-	-
					Matrix 100 %

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

Report Number: 221084R01
Report Date: 04/14/2022

Job Number: 221084

P.O. No: n/a

Project Name:

Project Number: 25570.005 Phase 0001

Project Notes:

Client Sample ID: 25570.005-0049		Sample ID: S49		Date Analyzed: 04/14/2022	
Client Sample Description:				Analyst: Tim Cammann	
Asbestos Mineral Fibers		Layer Percent:	Chrysotile	Amosite	Crocidolite
Homogeneous					
loose flexible material, white/yellow		100 %	-	-	-
Other Fibers		Fibrous Glass	Cellulose	Mineral Wool	Synthetic
		-	6 %	-	-
					Other
					-
					Matrix
					94 %
					Percent Asbestos:
					NAD
Client Sample ID: 25570.005-0050		Sample ID: S50		Date Analyzed: 04/14/2022	
Client Sample Description:				Analyst: Tim Cammann	
Asbestos Mineral Fibers		Layer Percent:	Chrysotile	Amosite	Crocidolite
Homogeneous					
loose particulate, brown/black		100 %	3 %	-	-
Other Fibers		Fibrous Glass	Cellulose	Mineral Wool	Synthetic
		-	Trace	-	-
					Other
					-
					Matrix
					97 %
					Percent Asbestos:
					3 %
Client Sample ID: 25570.005-0051		Sample ID: S51		Date Analyzed: 04/13/2022	
Client Sample Description:				Analyst: Tim Cammann	
Asbestos Mineral Fibers		Layer Percent:	Chrysotile	Amosite	Crocidolite
Homogeneous					
loose fibers with powder, off-white/gray		100 %	-	-	-
Other Fibers		Fibrous Glass	Cellulose	Mineral Wool	Synthetic
		-	15 %	20 %	-
					Other
					-
					Matrix
					65 %
					Percent Asbestos:
					NAD
Client Sample ID: 25570.005-0052		Sample ID: S52		Date Analyzed: 04/13/2022	
Client Sample Description:				Analyst: Tim Cammann	
Asbestos Mineral Fibers		Layer Percent:	Chrysotile	Amosite	Crocidolite
Homogeneous					
thin flexible material, black		100 %	-	-	-
Other Fibers		Fibrous Glass	Cellulose	Mineral Wool	Synthetic
		20 %	-	-	-
					Other
					-
					Matrix
					80 %
					Percent Asbestos:
					NAD

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

Report Number: 221084R01

Report Date: 04/14/2022

Job Number: 221084

P.O. No: n/a

Project Name:

Project Number: 25570.005 Phase 0001

Project Notes:

Client Sample ID: 25570.005-0053	Sample ID: S53	Date Analyzed: 04/13/2022
Client Sample Description:	Analyst: Tim Cammann	
Asbestos Mineral Fibers		Percent Asbestos:
Layer Percent: Chrysotile Amosite Crocidolite		
Homogeneous		
soft rubbery material, gray	100 % - - -	NAD
Other Fibers	Fibrous Glass Cellulose Mineral Wool Synthetic Other	Matrix 100 %
- - - - -		

Client Sample ID: 25570.005-0054	Sample ID: S54	Date Analyzed: 04/13/2022
Client Sample Description:	Analyst: Tim Cammann	
Asbestos Mineral Fibers		Percent Asbestos:
Layer Percent: Chrysotile Amosite Crocidolite		
Homogeneous		
loose particulate, gray	100 % - - -	NAD
Other Fibers	Fibrous Glass Cellulose Mineral Wool Synthetic Other	Matrix 100 %
- Trace Trace - -		

Client Sample ID: 25570.005-0055	Sample ID: S55	Date Analyzed: 04/13/2022
Client Sample Description:	Analyst: Tim Cammann	
Asbestos Mineral Fibers		Percent Asbestos:
Layer Percent: Chrysotile Amosite Crocidolite		
Homogeneous		
loose fibrous powder, gray	100 % - - -	NAD
Other Fibers	Fibrous Glass Cellulose Mineral Wool Synthetic Other	Matrix 75 %
- 25 % - -		

Client Sample ID: 25570.005-0056	Sample ID: S56	Date Analyzed: 04/13/2022
Client Sample Description:	Analyst: Tim Cammann	
Asbestos Mineral Fibers		Percent Asbestos:
Layer Percent: Chrysotile Amosite Crocidolite		
Homogeneous		
loose fibers with powder, off-white/gray	100 % - - -	NAD
Other Fibers	Fibrous Glass Cellulose Mineral Wool Synthetic Other	Matrix 80 %
- 10 % 10 % - -		

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

Report Number: 221084R01

Report Date: 04/14/2022

Job Number: 221084

P.O. No: n/a

Project Name:

Project Number: 25570.005 Phase 0001

Project Notes:

Client Sample ID: 25570.005-0057		Sample ID: S57		Date Analyzed: 04/13/2022	
Client Sample Description:				Analyst: Tim Cammann	
Asbestos Mineral Fibers		Layer Percent:	Chrysotile	Amosite	Crocidolite
Homogeneous					Percent Asbestos:
loose fibrous powder, off-white/brown		100 %	-	-	-
					NAD
Other Fibers		Fibrous Glass	Cellulose	Mineral Wool	Synthetic
		-	10 %	5 %	-
					Other
					-
					Matrix
					85 %
Client Sample ID: 25570.005-0058		Sample ID: S58		Date Analyzed: 04/13/2022	
Client Sample Description:				Analyst: Tim Cammann	
Asbestos Mineral Fibers		Layer Percent:	Chrysotile	Amosite	Crocidolite
Layer 01					Percent Asbestos:
fine compact powder, off-white		4 %	2 %	-	-
					2 %
Layer 02					
compact chalky material with paper, off-white		96 %	-	-	-
					NAD
Other Fibers		Fibrous Glass	Cellulose	Mineral Wool	Synthetic
Layer 01		-	Trace	-	-
Layer 02		Trace	2 %	-	-
					Other
					-
					Matrix
					98 %
					98 %
Client Sample ID: 25570.005-0059		Sample ID: S59		Date Analyzed: 04/13/2022	
Client Sample Description:				Analyst: Tim Cammann	
Asbestos Mineral Fibers		Layer Percent:	Chrysotile	Amosite	Crocidolite
Homogeneous					Percent Asbestos:
soft mastic material, gray/tan		100 %	-	-	-
					NAD
Other Fibers		Fibrous Glass	Cellulose	Mineral Wool	Synthetic
		-	20 %	-	-
					Other
					-
					Matrix
					80 %
Client Sample ID: 25570.005-0060		Sample ID: S60		Date Analyzed: 04/13/2022	
Client Sample Description:				Analyst: Tim Cammann	
Asbestos Mineral Fibers		Layer Percent:	Chrysotile	Amosite	Crocidolite
Homogeneous					Percent Asbestos:
hard compact material, black		100 %	2 %	-	-
					2 %
Other Fibers		Fibrous Glass	Cellulose	Mineral Wool	Synthetic
		-	-	-	-
					Other
					-
					Matrix
					98 %

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

Report Number: 221084R01

Report Date: 04/14/2022

Job Number: 221084

P.O. No: n/a

Project Name:

Project Number: 25570.005 Phase 0001

Project Notes:

Client Sample ID: 25570.005-0061	Sample ID: S61	Date Analyzed: 04/13/2022	
Client Sample Description:		Analyst: Tim Cammann	
Asbestos Mineral Fibers	Layer Percent: Chrysotile Amosite Crocidolite		Percent Asbestos:
Homogeneous mastic, tan	100 % - - -		NAD
Other Fibers	Fibrous Glass Cellulose Mineral Wool Synthetic Other		Matrix 98 %
	- 2 % - - -		

Client Sample ID: 25570.005-0062	Sample ID: S62	Date Analyzed: 04/13/2022	
Client Sample Description:		Analyst: Tim Cammann	
Asbestos Mineral Fibers	Layer Percent: Chrysotile Amosite Crocidolite		Percent Asbestos:
Homogeneous hard compact material, black/white	100 % - - -		NAD
Other Fibers	Fibrous Glass Cellulose Mineral Wool Synthetic Other		Matrix 100 %
	- - - - -		

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:

Mia Gaines
X
Mia Gaines
Analyst



221084 1/4

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

Date Sent: April 08, 2022

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

Alex Johnson

Name

[Signature] 4/8/22 0945
Authorized Signature Date Time

RECEIVER

Date Received: 4-8-22

Company: Lab Cor
Address: 4321 S Corbett Ave Ste A
Portland, OR 97239
503-224-5055

Ryan Tabor Brown

Name

[Signature] 4-8-22 9:45
Authorized Signature Date Time

Sender's ID No.

Brief Description

Receiver's ID No.

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	



221084²/₄

TRANSMITTAL AND CHAIN OF CUSTODY FOR ASBESTOS BULK SAMPLES

25570.005-0015	_____	_____
25570.005-0016	_____	_____
25570.005-0017	_____	_____
25570.005-0018	_____	_____
25570.005-0019	_____	_____
25570.005-0020	_____	_____
25570.005-0021	_____	_____
25570.005-0022	_____	_____
25570.005-0023	_____	_____
25570.005-0024	_____	_____
25570.005-0025	_____	_____
25570.005-0026	_____	_____
25570.005-0027	_____	_____
25570.005-0028	_____	_____
25570.005-0029	_____	_____
25570.005-0030	_____	_____
25570.005-0031	_____	_____
25570.005-0033	_____	_____
25570.005-0034	_____	_____
25570.005-0035	_____	_____
25570.005-0036	_____	_____
25570.005-0037	_____	_____
25570.005-0038	_____	_____
25570.005-0039	_____	_____
25570.005-0040	_____	_____



221084 3/4

TRANSMITTAL AND CHAIN OF CUSTODY FOR ASBESTOS BULK SAMPLES

25570.005-0041		
25570.005-0042		
25570.005-0043		
25570.005-0044		
25570.005-0045		
25570.005-0046		
25570.005-0047		
25570.005-0048		
25570.005-0049		
25570.005-0050		
25570.005-0051		
25570.005-0052		
25570.005-0053		
25570.005-0054		
25570.005-0055		
25570.005-0056		
25570.005-0057		
25570.005-0058		
25570.005-0059		
25570.005-0060		
25570.005-0061		
25570.005-0062		

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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 address.

TURNAROUND DESIRED:

72 Hour

4 Day

SPECIAL INSTRUCTIONS:

JL/BW

<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 large black countertops, black, hard mastic		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", white fissured glued-on ceiling tile with brown glue dot		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/Mastic (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 Fittings	Divine hall; west hallway, outside room 307C, above drop ceiling, grayish/white mudded hard 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 room 307C, on top of lay-in ceiling tile, miscellaneous debris		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>	<u>Location</u>	<u>Results</u>	<u>Lab</u>
25570.005-0070	Lay-in Ceiling Tile (01)	Divine hall; west hallway, 2' by 4' white fissured and pinhole lay-in ceiling tile		Lab Cor
	Layer:	Description:	Analysis:	
	Layer 01	coating, white	No Asbestos Detected	
	Layer 02	compressed fibers, gray	No Asbestos Detected	
25570.005-0071	Gypsum Wallboard/Joint Compound	Divine hall; west hallway, above drop ceiling, decking/white wallboard with white 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	
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/Mastic (02)	Divine hall; room 307D, under carpet, on concrete, 12" by 12" beige speckled vinyl floor tile with yellow mastic		Lab Cor
	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 drop ceiling, on pipe large elbow, grayish/white mudded hard 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 custodian office, behind corkboard, white, hard mastic		Lab Cor
	Layer:	Description:	Analysis:	
	Layer 1	loose vinyl material, white	No Asbestos Detected	
25570.005-0076	Mastic (10)	Divine hall; custodian office, between wood panels at mop sink, dark yellow, hard mastic		Lab Cor
	Layer:	Description:	Analysis:	
	Layer 1	thick mastic material, tan	No Asbestos Detected	

PLM - Visual Estimate Extended Final Report

Job Number: 221093

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.:

Report Number: 221093R01

Report Date: 4/13/2022

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

PLM - Visual Estimate Extended Final Report

Job Number: 221093

Client: PBS Engineering and Environmental

Project Name:

Report Number: 221093R01

Report Date: 4/13/2022

PLM - Visual Estimate Extended The submitted sample(s) were analyzed according to the 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. 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,


X

Mia Gaines
Analyst

BULK SAMPLE ASBESTOS ANALYSIS

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

Report Number: 221093R01

Report Date: 04/13/2022

Job Number: 221093

P.O. No: n/a

Project Name:

Project Number: 25570.005 Phase 0001

Project Notes:

Client Sample ID:	25570.005-0063		Sample ID:	S1		Date Analyzed:	04/13/2022	
Client Sample Description:			Analyst:	Mia Gaines				
Asbestos Mineral Fibers	Layer Percent:	Chrysotile	Amosite	Crocidolite			Percent Asbestos:	
Homogeneous								
hard compact powder, black/gray	100 %	-	-	-				NAD
Other Fibers	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other		Matrix	
	-	-	-	-	-	-	100 %	

Client Sample ID:	25570.005-0064		Sample ID:	S2		Date Analyzed:	04/13/2022	
Client Sample Description:			Analyst:	Mia Gaines				
Asbestos Mineral Fibers	Layer Percent:	Chrysotile	Amosite	Crocidolite			Percent Asbestos:	
Homogeneous								
hard compact material, black	100 %	Trace	-	-				< 1 %
Other Fibers	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other		Matrix	
	-	-	-	-	-	-	100 %	

Client Sample ID:	25570.005-0065		Sample ID:	S3		Date Analyzed:	04/13/2022	
Client Sample Description:			Analyst:	Mia Gaines				
Asbestos Mineral Fibers	Layer Percent:	Chrysotile	Amosite	Crocidolite			Percent Asbestos:	
Layer 01								
coating, white	5 %	-	-	-				NAD
Layer 02								
compressed fibers, gray	60 %	-	-	-				NAD
Layer 03								
mastic, brown	15 %	-	-	-				NAD
Layer 04								
compact chalky material with paper, white	20 %	-	-	-				NAD
Other Fibers	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other		Matrix	
Layer 01	1 %	-	Trace	-	-	-	99 %	
Layer 02	20 %	-	20 %	-	-	-	60 %	
Layer 03	1 %	2 %	-	-	-	-	97 %	
Layer 04	2 %	-	-	-	-	-	98 %	

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

Report Number: 221093R01

Report Date: 04/13/2022

Job Number: 221093

P.O. No: n/a

Project Name:

Project Number: 25570.005 Phase 0001

Project Notes:

Client Sample ID:	25570.005-0066		Sample ID:	S4		Date Analyzed:	04/13/2022	
Client Sample Description:						Analyst:	Mia Gaines	
Asbestos Mineral Fibers	Layer							Percent Asbestos:
	Percent:	Chrysotile	Amosite	Crocidolite				
Homogeneous								
mastic, brown	100 %	-	-	-				NAD
Other Fibers	Fibrous	Mineral						
	Glass	Wool	Synthetic	Other			Matrix	
	-	Trace	-	-	-	-	100 %	

Client Sample ID:	25570.005-0067		Sample ID:	S5		Date Analyzed:	04/13/2022	
Client Sample Description:						Analyst:	Mia Gaines	
Asbestos Mineral Fibers	Layer							Percent Asbestos:
	Percent:	Chrysotile	Amosite	Crocidolite				
Layer 01								
mastic, clear	2 %	-	-	-				NAD
Layer 02								
hard vinyl, off-white	96 %	-	-	-				NAD
Layer 03								
mastic, clear yellow	2 %	-	-	-				NAD
Other Fibers	Fibrous	Mineral						
	Glass	Wool	Synthetic	Other			Matrix	
Layer 01	-	2 %	-	-	-	-	98 %	
Layer 02	-	-	-	-	-	-	100 %	
Layer 03	-	1 %	-	-	-	-	99 %	

Client Sample ID:	25570.005-0068		Sample ID:	S6		Date Analyzed:	04/13/2022	
Client Sample Description:						Analyst:	Mia Gaines	
Asbestos Mineral Fibers	Layer							Percent Asbestos:
	Percent:	Chrysotile	Amosite	Crocidolite				
Layer 01								
woven fibers, white	4 %	-	-	-				NAD
Layer 02								
fibrous powder, gray	96 %	-	-	-				NAD
Other Fibers	Fibrous	Mineral						
	Glass	Wool	Synthetic	Other			Matrix	
Layer 01	-	100 %	-	-	-	-	0 %	
Layer 02	-	-	2 %	-	-	-	98 %	

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

Report Number: 221093R01

Report Date: 04/13/2022

Job Number: 221093

P.O. No: n/a

Project Name:

Project Number: 25570.005 Phase 0001

Project Notes:

Client Sample ID: 25570.005-0069		Sample ID: S7			Date Analyzed: 04/13/2022	
Client Sample Description:					Analyst: Mia Gaines	
Asbestos Mineral Fibers	Layer Percent:	Chrysotile	Amosite	Crocidolite	Percent Asbestos:	
Layer 01						
paint, white	10 %	-	-	-	NAD	
Layer 02						
fibrous material, off-white	90 %	-	-	-	NAD	
Other Fibers	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix
Layer 01	-	1 %	-	-	-	99 %
Layer 02	-	30 %	5 %	-	-	65 %
Client Sample ID: 25570.005-0070		Sample ID: S8			Date Analyzed: 04/13/2022	
Client Sample Description:					Analyst: Mia Gaines	
Asbestos Mineral Fibers	Layer Percent:	Chrysotile	Amosite	Crocidolite	Percent Asbestos:	
Layer 01						
coating, white	2 %	-	-	-	NAD	
Layer 02						
compressed fibers, gray	98 %	-	-	-	NAD	
Other Fibers	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix
Layer 01	-	1 %	-	-	-	99 %
Layer 02	5 %	30 %	5 %	-	-	60 %
Client Sample ID: 25570.005-0071		Sample ID: S9			Date Analyzed: 04/13/2022	
Client Sample Description:					Analyst: Mia Gaines	
Asbestos Mineral Fibers	Layer Percent:	Chrysotile	Amosite	Crocidolite	Percent Asbestos:	
Layer 01						
fine compact powder, off-white	5 %	Trace	-	-	< 1 %	
Layer 02						
fine compact powder, off-white with paper	10 %	2 %	-	-	2 %	
Layer 03						
compact chalky material with paper, white	85 %	-	-	-	NAD	
Other Fibers	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix
Layer 01	-	-	-	-	-	100 %
Layer 02	-	-	-	-	-	98 %
Layer 03	2 %	1 %	-	-	-	97 %

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

Report Number: 221093R01

Report Date: 04/13/2022

Job Number: 221093

P.O. No: n/a

Project Name:

Project Number: 25570.005 Phase 0001

Project Notes:

Client Sample ID: 25570.005-0072		Sample ID: S10			Date Analyzed: 04/13/2022	
Client Sample Description:					Analyst: Mia Gaines	
Asbestos Mineral Fibers	Layer Percent:	Chrysotile	Amosite	Crocidolite	Percent Asbestos:	
Layer 01						
paint, white	3 %	-	-	-	NAD	
Layer 02						
granular compact powder, gray	97 %	-	-	-	NAD	
Other Fibers	Fibrous Glass	Cellulose	Mineral Wool	Synthetic	Other	Matrix
Layer 01	-	-	-	-	-	100 %
Layer 02	-	-	-	-	-	100 %

Client Sample ID: 25570.005-0073		Sample ID: S11			Date Analyzed: 04/13/2022	
Client Sample Description:					Analyst: Mia Gaines	
Asbestos Mineral Fibers	Layer Percent:	Chrysotile	Amosite	Crocidolite	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: 25570.005-0074		Sample ID: S12			Date Analyzed: 04/13/2022	
Client Sample Description:					Analyst: Mia Gaines	
Asbestos Mineral Fibers	Layer Percent:	Chrysotile	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 %

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

Report Number: 221093R01

Report Date: 04/13/2022

Job Number: 221093

P.O. No: n/a

Project Name:

Project Number: 25570.005 Phase 0001

Project Notes:

Client Sample ID: 25570.005-0075	Sample ID: S13	Date Analyzed: 04/13/2022	
Client Sample Description:		Analyst: Mia Gaines	
Asbestos Mineral Fibers	Layer Percent: Chrysotile Amosite Crocidolite		Percent Asbestos:
Homogeneous			
loose vinyl material, white	100 % - - -		NAD
Other Fibers	Fibrous Glass Cellulose Mineral Wool Synthetic Other		Matrix 100 %
	- Trace - - -		

Client Sample ID: 25570.005-0076	Sample ID: S14	Date Analyzed: 04/13/2022	
Client Sample Description:		Analyst: Mia Gaines	
Asbestos Mineral Fibers	Layer Percent: Chrysotile Amosite Crocidolite		Percent Asbestos:
Homogeneous			
thick mastic material, tan	100 % - - -		NAD
Other Fibers	Fibrous Glass Cellulose Mineral Wool Synthetic Other		Matrix 99 %
	- 1 % - Trace -		

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:

Mia Gaines
X
Mia Gaines
Analyst



221093 1/2

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

Date Sent: April 08, 2022

PBS Engineering and Environmental Inc.

4412 S Corbett Avenue

Portland, OR 97239

503.248.1939, Fax: 866.727.0140

Name

Authorized Signature

Date

Time

RECEIVER

Date Received: 4/8/22

Company: Lab Cor

Address: 4321 S Corbett Ave Ste A

Portland, OR 97239

503-224-5055

Name

Authorized Signature

Date

Time

Sender's ID No.

Brief Description

Receiver's ID No.

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



221093 2/2

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:

72 Hour

SPECIAL INSTRUCTIONS:

S/aw

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 94th 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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INSPECTION SUMMARY

DATES	SURVEYED BY	ACTIVITY
04/2024	Brian Wehner and Seireadan Kindrick	Begin Inspection
05/2024	Brian Wehner	Finish Inspection
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>	<u>Material Description</u>	<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 biphenyl (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

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.

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

NOT TESTED	NEGATIVE -	POSITIVE +	
			THERMAL SYSTEM INSULATION
			SURFACING MATERIAL
			MISCELLANEOUS MATERIAL

DRAWING REFERENCE	FIELD CODE	LAB RESULT	MATERIAL SAMPLED
◇ 001	25570.007-0001	(-)	CONCRETE
◇ 002	25570.007-0002	(-/-)	CAULK (01)
◇ 003	25570.007-0003	(-/-/-/-)	BUILT-UP ROOFING
◇ 004	25570.007-0004	(-)	TAR
◇ 005	25570.007-0005	(-/-/-/-/-)	BUILT-UP ROOFING
◇ 006	25570.007-0006	(-)	WALL AND CEILING PLASTER
◇ 007	25570.007-0007	(+/-)	VAPOR BARRIER
◇ 008	25570.007-0008	(-)	CAULK (02)
◇ 009	25570.007-0009	(-)	CAULK (03)
◇ 010	25570.007-0010	(-/-/-/-/-)	BUILT-UP ROOFING
◇ 011	25570.007-0011	(-/-)	CAULK (01)
◇ 012	25570.007-0012	(-/-/-)	CAULK (03)
◇ 013	25570.007-0013	(-)	WALL AND CEILING PLASTER
◇ 014	25570.007-0014	(-)	CAULK (04)
◇ 015	25570.007-0015	(-)	CAULK (05)
◇ 016	25570.007-0016	(-)	CAULK (06)
◇ 017	25570.007-0017	(-)	ASPHALT IMPREGNATED PA
◇ 018	25570.007-0018	(-)	CAULK (07)
◇ 019	25570.007-0019	(-)	MASTIC
◇ 020	25570.007-0020	(-/-)	COVEBASE/MASTIC (01)
◇ 021	25570.007-0021	(-/-)	GYPSUM WALLBOARD/ JOINT COMPOUND
◇ 022	25570.007-0022	(-)	LAY-IN CEILING TILE (01)
◇ 023	25570.007-0023	(-)	LAY-IN CEILING TILE (02)
◇ 024	25570.007-0024	(-/-)	TERRAZZO
◆ 025	25570.007-0025	(+)	CEILING
◆ 026	25570.007-0026	(-/+/-)	VINYL FLOOR TILE/MASTIC
◇ 027	25570.007-0027	(-/-/-)	COVEBASE/MASTIC (02)
◆ 028	25570.007-0028	(-)	WALL AND CEILING PLASTER
◇ 029	25570.007-0029	(+)	CAULK (08)
◇ 030	25570.007-0030	(-)	WALL AND CEILING PLASTER
◇ 031	25570.007-0031	(-)	PAPER FELT

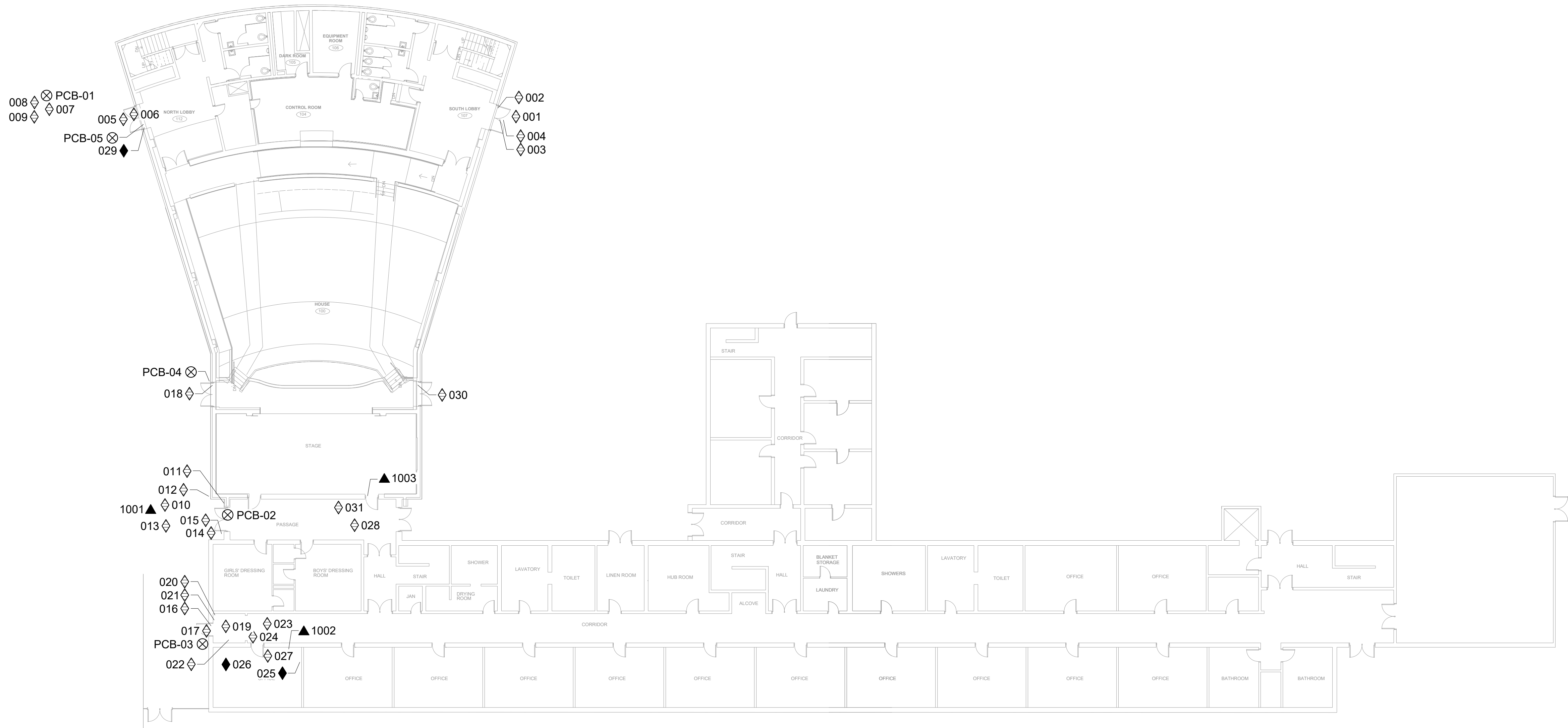
△ 1007 — DRAWING REFERENCE TO LEAD SAMPLE FIELD CO
SEE INVENTORY OF SAMPLES
— MATERIAL SYMBOL

SAMPLE NUMBER	FIELD CODE	LAB RESULT (ppm)	MATERIAL 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 GRAY, INTACT
▲ 1003	25570.007-1003	358	PAINT ON OFFICE 107, EAST WALL, CONCRETE, LIGHT WHITE, DAMAGED

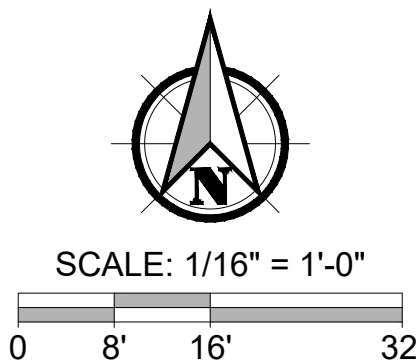
⊗ PCB-# PCB SAMPLE LOCATION AND NUMBER

SAMPLE NUMBER	LOCATION	COMPONENT	LAB RESULT ¹	REGULATORY LIMIT ¹
PCB-01	EXTERIOR NORTHEAST CANOPY AT FLASHING ON BRICK WALL	DARK GRAY FLEXIBLE FLASHING CAULKING	ND	50 ppm PCB BULK PRODUCT WASTE UNDER THE TOXIC SUBSTANCES CONTROL ACT (40 CFR PART 761)
PCB-02	EXTERIOR AROUND PERIMETER OF NORTHWEST DOOR FRAME UNDER CANOPY	LIGHT GRAY FLEXIBLE CAULKING	ND	
PCB-03	EXTERIOR AROUND PERIMETER OF NORTHWEST DOOR FRAME	WHITE STICKY CAULKING	AROCOR-1254 – 1.4 TOTAL PCBS = 1.4 PPM	
PCB-04	EXTERIOR AROUND PERIMETER NORTHEAST HANDICAP DOOR FRAME	RED BRITTLE/FLEXIBLE CAULKING	ND	
PCB-05	INTERIOR NORTHEAST DOOR AT METAL DOOR FRAME SEAMS	DARK GRAY BRITTLE CAULKING	ND	

PPM = PARTS PER MILLION; ND = NON-DETECT (BELOW LABORATORY REPORTING LIMIT. SEE LAB REPORT FOR FURTHER DETAIL)



FIRST FLOOR



PREPARED FOR:

<u>Code</u>	<u>Material</u>	<u>Location</u>	<u>Results</u>	<u>Lab</u>
25570.007-0001	Concrete	Southeast canopy, deck gray concrete		Eurofins LabCor PDX
		Layer: Layer 1	Description: Gray Cementitious Material	Analysis: No Asbestos Detected
25570.007-0002	Caulk (01)	Southeast canopy, at flashing on brick, gray flexible caulk		Eurofins LabCor PDX
		Layer: Layer 1	Description: Blue Sealant	Analysis: No Asbestos Detected
		Layer: Layer 2	Description: White Fibrous Material with Red Coating	Analysis: No Asbestos Detected
25570.007-0003	Built-up Roofing	Southeast canopy, on concrete, white single ply membrane, isoboard		Eurofins LabCor PDX
		Layer: Layer 1	Description: White Woven Material with White Coating	Analysis: No Asbestos Detected
		Layer: Layer 2	Description: Green Mastic	Analysis: No Asbestos Detected
		Layer: Layer 3	Description: Black Felt with Mastic	Analysis: No Asbestos Detected
		Layer: Layer 4	Description: Yellow Foam	Analysis: No Asbestos Detected
25570.007-0004	Tar	Southeast canopy, on concrete under built-up roofing, black asphaltic tar		Eurofins LabCor PDX
		Layer: Layer 1	Description: Black Tar with Brown Debris	Analysis: No Asbestos Detected
25570.007-0005	Built-up Roofing	Northeast canopy, white single ply membrane, isoboard, with fibrous white backing		Eurofins LabCor PDX
		Layer: Layer 1	Description: Pink Woven Material with Blue/White Coating	Analysis: No Asbestos Detected
		Layer: Layer 2	Description: Brown/Gray Felt with Yellow Foam	Analysis: No Asbestos Detected
		Layer: Layer 3	Description: Gray/White Semi-Fibrous Material with Yellow/Transparent Mastic	Analysis: No Asbestos Detected
		Layer: Layer 4	Description: Yellow Foam	Analysis: No Asbestos Detected
		Layer: Layer 5	Description: White Semi-Fibrous Material	Analysis: No Asbestos Detected
25570.007-0006	Wall and Ceiling Plaster	Northeast canopy, under side of canopy on wire lathe, gray plaster		Eurofins LabCor PDX
		Layer: Layer 1	Description: Gray Cementitious Material with Paint	Analysis: 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 flashing on divine exterior brick wall, black asphaltic tar and black paper-like felt vapor barrier		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 around flashing, dark gray flexible caulking		Eurofins LabCor PDX
		Layer:	Description:	Analysis:
		Layer 1	Gray Sealant	No Asbestos Detected
25570.007-0009	Caulk (03)	Northeast canopy, behind flashing on brick wall, white sticky caulking		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, white single ply membrane, isoboard with fibrous white backing 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, on 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 flashing on brick wall, white sticky caulking		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 of canopy on wire lathe, gray plaster		Eurofins LabCor PDX
	Layer:	Description:	Analysis:	
	Layer 1	Gray Cementitious Material	No Asbestos Detected	
25570.007-0014	Caulk (04)	Northwest canopy, at wall penetration around conduit, red/gray soft caulking		Eurofins LabCor PDX
	Layer:	Description:	Analysis:	
	Layer 1	Gray Sealant	No Asbestos Detected	
25570.007-0015	Caulk (05)	Northwest canopy doorframe, around perimeter between brick and metal, gray flexible caulking		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	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 door for Lloyd, around metal doorframe, red flexible caulking		Eurofins LabCor PDX
	Layer:	Description:	Analysis:	
	Layer 1	Red Caulk	No Asbestos Detected	
25570.007-0019	Mastic	Northwest end of west hall in Clark, under carpet, cream mastic		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 Clark, on furred out wall by door, 4" black covebase with cream 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 Wallboard/Joint Compound	Northwest end of west hall in Clark, furred out wall, white wallboard with white compound		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 (01)	Northwest end of west hall in Clark, 2'x4' white textured fiberglass lay-in ceiling tile		Eurofins LabCor PDX
	Layer:	Description:	Analysis:	
	Layer 1	Yellow Insulation with white coating	No Asbestos Detected	
25570.007-0023	Lay-in Ceiling Tile (02)	Northwest end of west hall in Clark, 2'x4' white fissured and pinhole lay-in ceiling tile		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, black 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/Mastic	Office 107 under carpet on concrete red vinyl floor tile with black mastic and yellow carpet 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" gray/brown vinyl covebase with cream mastic		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 Plaster	Passage between Clark Hall and Lloyd, white plaster on ceiling		Eurofins LabCor PDX
	Layer: Layer 1	Description: Off-White Powdery Material	Analysis: No Asbestos Detected	
25570.007-0029	Caulk (08)	Lloyd northeast door, interior on metal, dark gray brittle caulking		Eurofins LabCor PDX
	Layer: Layer 1	Description: Silver Caulk	Analysis: 6% Chrysotile	
25570.007-0030	Wall and Ceiling Plaster	Lloyd southwest door, wall around frame, white plaster with paint		Eurofins LabCor PDX
	Layer: Layer 1	Description: Gray/White Powdery Material	Analysis: No Asbestos Detected	
25570.007-0031	Paper Felt	Lloyd passage behind radiator cover, fibrous felt paper gasket		Eurofins LabCor PDX
	Layer: Layer 1	Description: Gray Fibrous Material	Analysis: No Asbestos Detected	

<u>Code</u>	<u>Material</u>	<u>Analysis</u>	<u>Location</u>	<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)

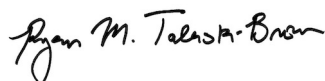
Report for:

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:

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



Technical Manager
Ryan Talaski-Brown

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

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

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

Client: PBS Engineering and Environmental: Portland
C/O: 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

Location: 25570.007-0001

Lab ID-Version‡: 17571983-1

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

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

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

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".

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

Lab ID-Version‡: 17571987-1

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

Lab ID-Version‡: 17571988-1

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

Location: 25570.007-0007

Lab ID-Version‡: 17571989-1

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

Lab ID-Version‡: 17571990-1

Sample Layers	Asbestos Content
Gray Sealant	ND
Composite Non-Asbestos Content:	5% Cellulose
Sample Composite Homogeneity:	Good

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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

Lab ID-Version‡: 17571991-1

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

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

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

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

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

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

Client: PBS Engineering and Environmental: Portland
C/O: 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

Lab ID-Version‡: 17571995-1

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

Location: 25570.007-0014

Lab ID-Version‡: 17571996-1

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.

‡ 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".



003593487

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

Authorized Signature

Date

Time

RECEIVER

Date Received: 4/1/24

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

Name

Authorized Signature

Date

Time

Sender's ID No.

Brief Description

Receiver's ID No.

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



003593487

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:

✓

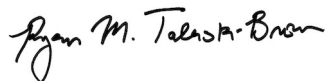
Report for:

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:

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



Technical Manager
Ryan Talaski-Brown

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

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

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

Client: PBS Engineering and Environmental: Portland
C/O: 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

Total Samples Submitted: 17

Total Samples Analyzed: 17

Total Samples with Layer Asbestos Content > 1%: 3

Location: 25570.007-0015

Lab ID-Version‡: 17595090-1

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

Location: 25570.007-0016

Lab ID-Version‡: 17595091-1

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

Location: 25570.007-0017

Lab ID-Version‡: 17595092-1

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

Lab ID-Version‡: 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.

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

Client: PBS Engineering and Environmental: Portland
C/O: 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

Lab ID-Version‡: 17595095-1

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

Location: 25570.007-0021

Lab ID-Version‡: 17595096-1

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

Lab ID-Version‡: 17595097-1

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

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

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

Client: PBS Engineering and Environmental: Portland
C/O: 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

Lab ID-Version‡: 17595099-1

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

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

Lab ID-Version‡: 17595101-1

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	

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

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

Client: PBS Engineering and Environmental: Portland
C/O: 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

Lab ID-Version‡: 17595103-1

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

Location: 25570.007-0029

Lab ID-Version‡: 17595104-1

Sample Layers	Asbestos Content
Silver Caulk	6% Chrysotile
Sample Composite Homogeneity:	Good

Location: 25570.007-0030

Lab ID-Version‡: 17595105-1

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

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

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

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



003597764

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

Authorized Signature

Date

Time

RECEIVER

Date Received: 4/4/24

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

Name

Authorized Signature

Date

Time

Sender's ID No.

Brief Description

Receiver's ID No.

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



003597764

TRANSMITTAL AND CHAIN OF CUSTODY FOR ASBESTOS BULK SAMPLES

25570.007-0029

25570.007-0030

25570.007-0031

Please analyze the enclosed 17 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: 72 Hour

SPECIAL INSTRUCTIONS:

V

LABORATORY REPORT

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

Attn: Brian Wehner
Phone: 503-248-1939

Email: brian.wehner@pbsusa.com

RJ Lee Group Job No.: PA030420240006
Samples Received: April 3, 2024
Report Date: April 8, 2024
Client Project: 25570.007 Phase 0007
Purchase Order No.: N/A
Matrix: Solid
Prep/ Analysis: EPA 3050B / EPA 6010C-Paint

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

Comments:

Report Qualifiers (Q):

P : PA-DEP Accredited (PA DEP Lab ID 02-00396, NELAP)

N : NY ELAP Accredited (NY ELAP Lab Code 10884)

A : AIHA LAP, LLC Accredited (Lab ID 100364)

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

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

B = Analyte detected in the associated Method Blank

S = Spike Recovery outside accepted limits

R = RPD (relative percent difference) outside accepted limits

D = RL (reporting limit verification) outside accepted limits

NP = Not Provided

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
Laboratory Supervisor



PA030420240006

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

Date Sent: April 02, 2024

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

Name BRIAN WENNERAuthorized Signature [Signature]Date 04.02.24

RECEIVER

Date Received: 04/03/24 1015AM

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

Name Charis BizzutoAuthorized Signature [Signature]Date 04/03/24 1015AM

Sender's ID No.

LB25570.007-1001

LB25570.007-1002

LB25570.007-1003

Brief Description

Receiver's ID No.

ANALYSIS REQUESTED:

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

Please analyze the enclosed 3 sample(s) for LEAD content using Atomic Absorption Method. PBS requests prior notification if samples will be disposed.

Please fax and mail the results to the above address.

TURNAROUND DESIRED:

72 Hour

SPECIAL INSTRUCTIONS:

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,

A handwritten signature in black ink, appearing to read 'Nick Ly', written over a horizontal line.

Nick Ly, Technical Manager

Enc.: Sample results



NVL Batch # 2405936.00

Case Narrative:

The following summarizes samples received on date as shown on the accompanied Chain of custody by NVL Laboratories, Inc. from PBS Environmental - Vancouver for Project Number 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.
B	Blank contamination. The recorded results is associated with a contaminated blank.
DF	Dilution Factor
J	The reported concentration is an estimated value because something may be present in the sample that interfered with the analysis.
J1	The reported concentration is an estimated value because the laboratory control sample (LCS) is out of control limits.
J2	The reported concentration is an estimated value because the percent recovery for matrix spike is out of control limits.
J3	The reported concentration is an estimated value because the relative percent difference(RPD) for duplicate analysis is out of control limits.
J4	Percent recovery is outside of established control limits.
LCS	Laboratory Control Sample.
LFS	Laboratory Fortified Spike
Limits	The upper and lower control limits for spike recoveries.
LN	Quality control sample is outside of control limits. This analyte was not detected in the sample.
LOQ	Limit of quantitation(same as RL)
mg/kg	Milligrams per kilogram.
ND	Analyte not detected or below the reporting limit of the instrument or methodology

Definition Appendix**Terms**

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

Analysis Report

Polychlorinated Biphenyls by Gas Chromatography



Client: PBS Environmental - Vancouver

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

Batch #: 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

Attention: Mr. Joe Lucas
Project Location: LLoyd/Clark

Sample Number **25570.007-PCB-01**

Lab Sample ID 24037538

Initial Sample Size 0.6482 gm

Matrix

Bulk

Units of Result

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.

Analysis Report

Polychlorinated Biphenyls by Gas Chromatography



Client: PBS Environmental - Vancouver

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

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

Attention: Mr. Joe Lucas

Project Location: LLoyd/Clark

Sample Number **25570.007-PCB-02**

Lab Sample ID 24037539

Initial Sample Size 1.8612 gm

Matrix

Bulk

Units 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	

Samples Analyzed: 5

Analysis Report

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 **25570.007-PCB-04**
Lab Sample ID 24037541
Initial Sample Size 0.8474 gm

Matrix Bulk
Units of Result 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	

Analysis Report

Polychlorinated Biphenyls by Gas Chromatography



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

Client: PBS Environmental - Vancouver

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

Attention: Mr. Joe Lucas

Project Location: LLoyd/Clark

Sample Number **25570.007-PCB-05**

Lab Sample ID 24037542

Initial Sample Size 0.1741 gm

Matrix

Bulk

Units of Result

mg/Kg

Analyte	RL	Final Result	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 #: 25570.007

Batch #: 2405936.00

Project Manager: Mr. Joe Lucas

Preparation Method: EPA 3546

Preparation Date: 4/4/2024

Analysis Method: EPA 8082

Analysis Description: Polychlorinated Biphenyls by Gas Chromatography

Blank: 2405936

Analyte	Blank Results	Units	DF	RL	Control Limit	Qualifiers
Aroclor-1016	ND	mg/Kg	1	1.00	1.00	
Aroclor-1221	ND	mg/Kg	1	1.00	1.00	
Aroclor-1232	ND	mg/Kg	1	1.00	1.00	
Aroclor-1242	ND	mg/Kg	1	1.00	1.00	
Aroclor-1248	ND	mg/Kg	1	1.00	1.00	
Aroclor-1254	ND	mg/Kg	1	1.00	1.00	
Aroclor-1260	ND	mg/Kg	1	1.00	1.00	

PCBs, Total

ND

mg/Kg

1

Surrogates:

% Rec

Tetrachloro-m-xylene

1

87

40-140

Decachlorobiphenyl

1

110

40-140

Lab Control Sample: LCS 1254-2405936

Analyte	Blank Spike Results	Units	DF	Spike Conc	% Rec	Limits	Qualifiers
Aroclor-1254	17	mg/Kg	1	20.00	85	40-140	
<i>Surrogates:</i>							
Tetrachloro-m-xylene			1		92	40-140	
Decachlorobiphenyl			1		110	40-140	

Lab Control Sample: LCS 1016+1260-2405936

Lab Control Sample Duplicate: LCS Dup 1016+1260

Analyte	Blank Spike Results	Units	DF	Spike Conc	% Rec	Limits	RPD %	RPD Limit	Qualifiers
Aroclor-1016	15	mg/Kg	1	20.00	75	40-140			
	15			20.00	75	40-140	5	50%	
Aroclor-1260	18	mg/Kg	1	20.00	90	40-140			
	18			20.00	90	40-140	2	50%	
<i>Surrogates:</i>									
Tetrachloro-m-xylene			1		92	40-140			
					81	40-140			
Decachlorobiphenyl			1		130	40-140			
					110	40-140			

* Recovery outside of control limits

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

*Recovery outside of the limits

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Sample	Analyzed	Analyte	Target	Solution 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

% Rec - Percent recovery

* Percent recovery not within control limits

ORGANICS LABORATORY SERVICES



Company PBS Environmental - Vancouver
Address 1325 SE Tech Center Dr Suite 140
 Vancouver, WA 98683
Project Manager Mr. Joe Lucas
Phone (360) 695-3488
Cell (206) 510-8038

NVL Batch Number 2405936.00
TAT 5 Days **AH** No
Rush TAT
Due Date 4/10/2024 **Time** 4:20 PM
Email joe.lucas@pbsusa.com
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		A
2	24037539	25570.007-PCB-02		A
3	24037540	25570.007-PCB-03		A
4	24037541	25570.007-PCB-04		A
5	24037542	25570.007-PCB-05		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	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



PCB'S CHAIN OF CUSTODY

Turn Around Time

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

Please call for TAT less than 24 Hours

Company PBS Engineering and EnvironmentalProject Manager Joe LucasAddress 1325 SE Tech Center Drive, Suite 140Cell (206) 510 - 8038Vancouver, WA. 98683Email joe.lucas@pbsusa.com

Phone _____

Fax () - _____

Project Name/Number 25570.007Project Location LLOYD/CLARK☐ PCB's Air☒ PCB's Bulk☐ PCB Wipe☐ PCB BTEX

Reporting Instructions _____

☐ Call () - _____☐ Fax () - _____☒ Email BRIAN.WEINER@PBSUSA.COMTotal Number of Samples 5

	Sample ID	Description	A/R
1	PCB-01	NE CANOPY AT FLASHING ON BRICK WALL,	
2		DARK GRAY FLEXIBLE CAULKING	
3	PCB-02	EXIT DOORS UNDER NW CANOPY AROUND PERIMETER	
4		METAL DOOR FRAME, LIGHT GRAY FLEXIBLE CAULKING	
5	PCB-03	NW ENTRY DOOR FRAME TO CLARK, AROUND PERIMETER	
6		WHITE STICKY CAULKING	
7	PCB-04	NE WHEELHALL ENTRY DOOR TO LLOYD, AROUND PERIMETER	
8		RED, BRITTLE FLEXIBLE CAULKING	
9	PCB-05	LLOYD NE DOOR, @ SEAMS OF INTERIOR & AROUND	
10		PERIMETER, DARK GRAY BRITTLE CAULKING	
11			
12			
13			
14			
15			

	Print Name	Signature	Company	Date	Time
Sampled by	BRIAN WEINER		PBS	04.02.24	10:00
Relinquish by	"		"	"	12:45

Office Use Only

	Print Name	Signature	Company	Date	Time
Received by	Rochelle Weiner		NVL	4/3/24	1626 UPS
Analyzed by					
Called by					
Faxed/Email 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

Course Location: Online

Certificate: IRO-23-7306B



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

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

503-248-1939

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

Andy Fridley, Instructor