Rose Environmental

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December 3, 2021

Dylan Diehl
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Subject: Pre-Demolition Asbestos & Lead Paint Survey, 6 Dwellings & 1 Church, Port Orchard, WA

Dear Dylan:

On November 18 and 19, 2021, Rose Environmental conducted an inspection for suspect asbestos-containing materials and lead paint at six residential dwellings (612 Sidney Avenue, 709 Sidney Avenue, 808 Sidney Avenue, 816 Sidney Avenue, 803 Cline Avenue, 807 Cline Avenue) and one church (717 Sidney Avenue) in Port Orchard, Washington. The purpose of the inspection was to determine the presence or absence of asbestos-containing building materials and lead paint that will be affected during projected future demolition activities.

ASBESTOS SAMPLING – METHODS & RESULTS

Mr. Ryan Anderson, Industrial Hygienist with Rose, is an EPA Asbestos Hazard Emergency Response Act (AHERA)-accredited Building Inspector (Certificate Number 179373, expiration date December 9, 2021). Rose Environmental collected samples of suspect asbestos-containing materials; the samples were collected full depth to the surface of the underlying substrate.

Asbestos Laboratory Analysis

The bulk samples collected were submitted under strict chain of custody procedures to EMSL Laboratories, a qualified independent laboratory for analysis. EMSL Laboratories is a member of the National Voluntary Laboratory Accreditation Program.

The asbestos samples were analyzed using polarized light microscopy (PLM) with dispersion staining in accordance with US EPA method 600/R-93/116 as specified in 40 CFR Chapter I (7-1-93 edition) Part 763, Subpart F, Appendix A, pages 499-504. Polarizing light microscopy

quantifies asbestos concentrations at between 100% and 1% detection levels. Levels below 1% can only be stated as "trace."

Sample ID	Material Description	Location	Asbestos Content	Estimated Quantity
Asbestos Containing Materials				
1118-1	**Red 9”x9” VCT + black mastic**	**717 Sidney Ave – Entry**	**15% Chrysotile asbestos in the vinyl tile (under carpet)**	**~ 100 SF**
1118-2	**Tan 9”x9” VCT + black mastic**	**717 Sidney Ave – Entry**	**12% Chrysotile asbestos in the vinyl tile (under carpet)**	**~ 100 SF**
1118-8	**Tan/Red patterned 9”x9” VCT + black mastic**	**717 Sidney Ave – Basement East Room**	**7% Chrysotile asbestos in the vinyl composition tile**	**~ 200 SF**
1118-13	**Light Green Cement Asbestos Board (CAB)**	**816 Sidney Ave – Exterior**	**20% Chrysotile asbestos in the exterior CAB**	**~ 2,400 SF**
1118-17	**Black VCT + Tan VSF + black mastic (under hardwood flooring)**	**816 Sidney Ave – Kitchen**	**7% Chrysotile asbestos in the Tan VSF**	**~ 80 SF**
1118-21	**Grey plaster + texture**	**816 Sidney Ave – Living Room**	**3% Chrysotile asbestos in the texture**	**Variable**
1118-25	**White texture**	**816 Sidney Ave – Bathroom**	**3% Chrysotile asbestos in the texture**	**Variable**
1118-26	**White texture**	**816 Sidney Ave – Living Room**	**3% Chrysotile asbestos in the texture**	**Variable**
1118-45	**GWB + joint compound + texture**	**612 Sidney Ave – Living Room**	**2% Chrysotile asbestos in the texture**	**Variable**
Non-EPA Asbestos Containing Materials				
1118-9	GWB + joint compound	717 Sidney Ave – Basement NW Utility	<1% Chrysotile in joint compound	Variable
1118-44		612 Sidney Ave– Living Room		

Non-Asbestos Containing Materials				
1118-0.1	Black shingle tar + paper	717 Sidney Ave - Roof	NAD	NA
1118-0.2	Black caulk/sealant	717 Sidney Ave – Ext. East Door	NAD	NA
1118-3	Tan VCB + yellow mastic	717 Sidney Ave – South Office	NAD	NA
1118-4	Orange Mastic	717 Sidney Ave – Main Carpet	NAD	NA
1118-5	GWB + joint compound	717 Sidney Ave – Main Hallway	NAD	NA
1118-6			NAD	NA
1118-7			NAD	NA
1118-10	Orange mastic	717 Sidney Ave – Basement Carpet	NAD	NA
1118-11	Brown patterned VSF + mastic	808 Sidney Ave - Kitchen	NAD	NA
1118-12	Grey grout	808 Sidney Ave - Fireplace	NAD	NA
1118-12.1	Black shingle tar + paper	808 Sidney Ave - Roof	NAD	NA
1118-14	White ceramic tile + grout	816 Sidney Ave - Bathroom	NAD	NA
1118-15	Tan Grout	816 Sidney Ave - Kitchen	NAD	NA
1118-16	White 1x1” ceiling panel	816 Sidney Ave – Floor 2 Core	NAD	NA
1118-18	Black VCB + yellow mastic	816 Sidney Ave – Basement	NAD	NA
1118-19	Tan VCB + yellow mastic		NAD	NA
1118-20	Grey Plaster	816 Sidney Ave – Kitchen	NAD	NA
1118-22		816 Sidney Ave – Living Room	NAD	NA
1118-23	Black shingle tar + paper	816 Sidney Ave – Main Roof	NAD	NA
1118-24	Black shingle tar + paper	816 Sidney Ave – Carport Roof	NAD	NA
1118-27	GWB + joint compound	816 Sidney Ave - Basement	NAD	NA
1118-28			NAD	NA
1118-29			NAD	NA
1118-30	Black shingle tar + paper	704 Sidney Ave - Roof	NAD	NA
1118-31	Orange mastic	704 Sidney Ave – Main Carpet	NAD	NA
1118-32	Blue 1x1” VCT + mastic	704 Sidney Ave – Kitchen	NAD	NA
1118-33	Tan 1x1” VCT + mastic		NAD	NA
1118-34	White 1x1” VCT + mastic	704 Sidney Ave - Bathroom	NAD	NA
1118-35	Plaster + GWB + Texture	704 Sidney Ave – Living Room	NAD	NA
1118-36		704 Sidney Ave – Bathroom	NAD	NA
1118-37		704 Sidney Ave – SE Bedroom	NAD	NA
1118-38	White texture	704 Sidney Ave – SE Bedroom	NAD	NA
1118-39	Tan VCB + yellow mastic	704 Sidney Ave - Bathroom	NAD	NA
1118-40	Grey Grout	612 Sidney Ave - Chimney	NAD	NA
1118-41	Tan VSF + black mastic	612 Sidney Ave - Main	NAD	NA
1118-42	White 2x4” ceiling panel	612 Sidney Ave - Main	NAD	NA
1118-43	GWB + joint compound + texture	612 Sidney – Living Room	NAD	NA
1118-44	GWB + joint compound	612 Sidney – Living Room	NAD	NA

1118-45	GWB + joint compound + texture	612 Sidney – Living Room	NAD	NA
1118-46	White texture	612 Sidney – Living Room	NAD	NA
1118-47	Grey sealant	612 Sidney – Living Room	NAD	NA
1118-48	Black shingle tar + paper	612 Sidney Ave - Roof	NAD	NA
1118-50	Exterior Stucco	807 Cline Ave - South Exterior	NAD	NA
1118-51			NAD	NA
1118-52			NAD	NA
1118-53	Tan ceramic + grout	807 Cline Ave - Entry	NAD	NA
1118-54	Plaster + texture		NAD	NA
1118-55	Plaster + GWB + texture		NAD	NA
1118-56			NAD	NA
1118-57	White texture		NAD	NA
1118-58	Black shingle tar + paper	807 Cline Ave - Roof	NAD	NA
1118-59	Blue ceramic tile + grout	807 Cline Ave - Bathroom	NAD	NA
1118-60	Tan VSF + mastic		NAD	NA
1118-61	Tan VSF + mastic	807 Cline Ave – F2 Kitchen	NAD	NA
1118-62	Tan VSF + mastic	807 Cline Ave – F2 Bathroom	NAD	NA
1118-63	White ceiling panel	807 Cline Ave – Basement	NAD	NA
1118-64	White plaster	803 Cline Ave – Dining Room	NAD	NA
1118-65	White VSF + mastic	803 Cline Ave – Kitchen	NAD	NA
1118-66	White VSF + mastic	803 Cline Ave – Bathroom	NAD	NA
1118-67	White plaster	803 Cline Ave – Bathroom	NAD	NA
1118-68			NAD	NA
1118-69	Grey grout	803 Cline Ave – Chimney	NAD	NA
1118-70	Grey VSF + mastic	803 Cline Ave – Floor 2	NAD	NA
1118-71	Black shingle tar + paper	803 Cline Ave - Roof	NAD	NA

Notes: 9x9” = 9 inches by 9 inches VCT = vinyl composition tile CAB = cement asbestos board
GWB = gypsum wallboard VSF = vinyl sheet flooring 1x1’ = 1 foot by 1 foot
NAD = No asbestos detected NA = Not Applicable

In summary, the survey and laboratory results revealed that:

717 Sidney Avenue

- Approximately 100 square feet of red 9x9” vinyl composition tile in the Entry flooring (underneath the carpet) contained approximately 15% chrysotile asbestos in the tile.

- Approximately 100 square feet of tan 9x9” vinyl composition tile in the Entry flooring (underneath the carpet) contained approximately 12% chrysotile asbestos in the tile.

- Approximately 200 square feet of tan/red patterned 9x9" vinyl composition tile in the Basement East Room flooring contained approximately 7% chrysotile asbestos in the tile.

816 Sidney Avenue

- Approximately 2,400 square feet of light green cement asbestos board (CAB) exterior siding contained approximately 20% chrysotile asbestos in the CAB.

- Approximately 80 square feet of tan vinyl sheet flooring in the Kitchen contained approximately 7% chrysotile asbestos in the vinyl sheet flooring (under the hardwood flooring).

- White texture on the Living Room and Bathroom GWB contained approximately 3% chrysotile asbestos in the texture.

612 Sidney Avenue

- White texture on the Living Room GWB contained approximately 2% chrysotile asbestos in the texture.

Representative Photos: 717 Sidney Ave - Red & Tan 9x9" VCT (L)
Tan/Red patterned VCT (C) & 816 Sidney Ave Light Green CAB (R)

Lead Paint Methods & Results

Rose Environmental collected full-depth paint samples (to substrate) on representative surfaces at various wood, wallboard, and concrete locations. Bulk samples collected were submitted under strict chain of custody procedures to NVL Laboratories, accredited by the American Industrial Hygiene Association (AIHA) Environmental Lead Accreditation Program.

Lead Sampling Results			
Sample ID	**Description**	**Location**	**Lead Content (%)**
1118-L1	**Brown paint**	**717 Sidney Ave - Exterior**	**0.34**
1118-L2	White paint	717 Sidney Ave - Interior	<0.014
1118-L3	White paint	717 Sidney Ave – Ext. Foundation	<0.0094

1118-L4	White paint	808 Sidney Ave - Exterior	<0.038
1118-L5	**Yellow paint**	**808 Sidney Ave - Interior**	**0.062**
1118-L6	**Mauve paint**	**808 Sidney Ave - Bathroom**	**1.7**
1118-L7	**Green paint**	**808 Sidney Ave - Bathroom**	**0.16**
1118-L8	**Light turquoise paint**	**816 Sidney Ave - Exterior**	**0.0070**
1118-L9	**Dark turquoise paint**	**816 Sidney Ave – Exterior trim**	**14**
1118-L10	White paint	816 Sidney Ave - Kitchen	<0.023
1118-L11	Purple paint	816 Sidney Ave - Kitchen	<0.019
1118-L12	Yellow paint	816 Sidney Ave – Living Room	<0.017
1118-L13	Blue paint	816 Sidney Ave - Bathroom	<0.018
1118-L14	Mauve paint	816 Sidney Ave – L2 East Bedroom	<0.094
1118-L15	Dark Blue paint	816 Sidney Ave – L2 East Bedroom	<0.017
1118-L16	Light Blue paint	816 Sidney Ave - Bedroom	<0.013
1118-L17	Purple paint	816 Sidney Ave – L1 Bedroom	<0.022
1118-L18	**Black paint**	**816 Sidney Ave – Kitchen trim**	**0.062**
1118-L19	Light Tan paint	816 Sidney Ave – Kitchen Nook	<0.012
1118-L20	**White paint**	**704 Sidney Ave - Exterior**	**2.0**
1118-L21	**Blue paint**	**704 Sidney Ave - Entrance**	**0.040**
1118-L22	**White paint**	**704 Sidney Ave - Bathroom**	**0.78**
1118-L23	**White paint**	**704 Sidney Ave – Living Room**	**0.061**
1118-L24	**Tan paint**	**612 Sidney Ave – Exterior main**	**6.9**
1118-L25	Red paint	612 Sidney Ave – Exterior trim	<0.0071
1118-L26	Grey paint	612 Sidney Ave - Foundation	<0.016
1118-L27	Off-White paint	612 Sidney Ave - Interior	<0.0055
1118-L28	**Brown paint**	**612 Sidney Ave - Trim**	**0.10**
1118-L29	**Yellow paint**	**612 Sidney Ave – Floor 2**	**0.046**
1118-L30	**White paint**	**612 Sidney Ave – Floor 2 trim**	**0.21**
1118-L31	**Blue paint**	**612 Sidney Ave – Exterior steps**	**0.35**
1118-L32	**White paint**	**612 Sidney Ave – Door Trim**	**0.47**

1119-L33	**Red paint**	**807 Cline Ave – Main Exterior**	**0.86**
1119-L34	**Yellow paint**	**807 Cline Ave - Exterior**	**6.9**
1119-L35	**Tan paint**	**807 Cline Ave - Foundation**	**0.036**
1119-L36	Yellow paint	807 Cline Ave – East Shed Door	<0.017
1119-L37	**White paint**	**807 Cline Ave – Exterior trim**	**0.26**
1119-L38	Tan paint	807 Cline Ave – Stucco Exterior	<0.020
1119-L40	**Yellow paint**	**807 Cline Ave – Floor 2**	**0.095**
1119-L41	**Blue paint**	**807 Cline Ave – Floor 2**	**0.015**
1119-L42	**Orange paint**	**807 Cline Ave – Basement Floor**	**0.024**
1119-L43	**White paint**	**803 Cline Ave – Exterior**	**15**
1119-L44	**White paint**	**803 Cline Ave - Interior**	**0.040**
1119-L45	**Blue paint**	**803 Cline Ave – SE Bedroom**	**0.048**
1119-L46	Yellow paint	803 Cline Ave - Bathroom	<0.17

In summary, the results revealed detectable lead in each of the properties inspected.

CONCLUSIONS & RECOMMENDATIONS

In summary, the results of Rose Environmental's asbestos inspection confirmed asbestos content greater than one percent (>1%) in:

- Red and tan VCT in the 717 Sidney Entry flooring and tan/red VCT in the Basement flooring
- CAB exterior siding, tan sheetvinyl in the Kitchen, and white Living Room/Bathroom wall/ceiling texture at 816 Sidney, and
- White texture on 612 Sidney Living Room ceiling/walls

<1% Asbestos in GWB

Less than 1% asbestos was present in GWB at the 612 and 717 Sidney properties.

The State of Washington allows asbestos found in joint compound only to be composited across the total mass of the entire GWB system, which reduces the overall asbestos content to <1%, as shown on the table.

Nevertheless, when demolishing the gypsum wallboard walls which have been shown to contain <1% asbestos, L&I still requires demolition crews to follow these requirements:

Under L&I's WISHA Regional Directive (WRD) 23.30, *Asbestos-Containing Joint Compound in Wallboard Systems* (issued December 2000), disturbance of GWB systems with <1% asbestos content are unclassified asbestos operations. Unclassified asbestos operations cover employees who may, depending on the activity, be exposed in excess of the permissible exposure limit (PEL), and who are performing operations not covered by work Classes I through IV. For construction work involving unclassified asbestos operations, the applicable requirements include the following:

1. Protective clothing (e.g., disposable types such as nitrile gloves, Tyvek arm covers, Tyvek whole body suits) when disturbing GWB systems. Conduct a personal air sampling exposure evaluation to determine if respiratory protection is required.
2. The exclusive use of vacuum cleaners equipped with HEPA filters to clean up dust, dirt, and debris generated as a result of disturbance of GWB ceilings and walls.
3. The prompt cleanup of debris; all GWB debris, if present, will be removed by the end of every work shift.
4. The use of wet methods (misting with handheld spray bottles, pump-style Hudson sprayers, and the like) when disturbing GWB ceilings and walls and cleaning debris.
5. The work will be overseen by a competent person who can identify materials summarized in this report and adequately implement these recommendations to minimize worker exposure.
6. Asbestos awareness training for all workers in the area where GWB systems are disturbed or might be disturbed.
7. Recordkeeping of this report and any other worker exposure related to GWB systems at this facility for a minimum of 30 years.

Asbestos-containing materials are required to be removed and disposed of in accordance with Washington State Regulations prior to any demolition, renovation, or remodeling that would disturb these materials. Washington State Department of Labor and Industries and PSCAA require that the abatement be performed using Certified Asbestos Workers under the direct on-site supervision of a Certified Asbestos Supervisor.

Lead in Paint

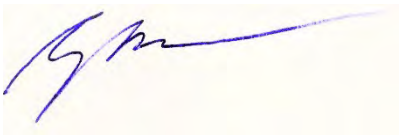
Disturbance of materials coated with lead-containing paint must be conducted in accordance with worker protection requirements in WAC 296-155, *Lead in Construction*. In addition, waste streams should be evaluated for lead content prior to disposal by EPA's Toxicity Characteristic Leachate Procedure (TCLP) to ensure RCRA classifications are considered. Rose Environmental's paint survey is not intended to identify or mitigate lead dust hazards to residents (as required by EPA's Lead Renovation, Repair, and Painting (RRP) Program).

Limitations of Survey

Asbestos and lead inspections are non-comprehensive by nature and our assessment is limited to only those locations inspected and sampled. This survey was not designed to identify all potential concerns or eliminate all risk associated with abatement. No warranty, express or implied, is made.

Rose Environmental LLC is not responsible for materials which require destructive means to access, or materials which are hidden from sight, those materials hidden behind walls, or materials which cannot be found with reasonable diligence. Rose Environmental LLC performed this inspection in accordance with the generally accepted standards of care that exist in the industrial hygiene profession in Washington State at the time of this study.

Respectfully,



Ryan Anderson
Industrial Hygienist Technician
Rose Environmental LLC

Reviewed by,

Martin Rose, CIH, CSP
Principal/Senior Consultant
Rose Environmental LLC

Attachments: *EMSL Lab Report 512002433*
NVL Lab Report 2120433
NVL Lab Report 2120434
NVL Lab Report 2120435
Photographic Contact Sheet

EMSL Analytical, Inc.

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EMSL Order: 512103474
Customer ID: RSEE42
Customer PO:
Project ID:

Attention: Ryan Anders
Rose Environmental LLC
6715 Greenwood Ave N
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Project: 11696 - Kitsap

Phone: (206) 679-0699
Fax:
Received Date: 11/22/2021 8:00 AM
Analysis Date: 11/22/2021 - 11/23/2021
Collected Date:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
1118-0.1-Shingle *512103474-0001*	Black shingle tar + paper - 717 Sidney - roof	Tan/Black Fibrous Homogeneous	20% Glass	80% Non-fibrous (Other)	None Detected
1118-0.1-Tar Paper *512103474-0001A*	Black shingle tar + paper - 717 Sidney - roof	Black Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (Other)	None Detected
1118-0.2 *512103474-0002*	Black/shite caulk - 717 Sidney - east door ext.	Brown/Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1118-1-Vinyl Floor Tile *512103474-0003*	Red 9x9 ceramic tile + black mastic - 717 Sidney - int under carpet	Red/Orange Fibrous Homogeneous		85% Non-fibrous (Other)	15% Chrysotile
1118-1-Mastic *512103474-0003A*	Red 9x9 ceramic tile + black mastic - 717 Sidney - int under carpet	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1118-2-Mastic 1 *512103474-0004*	Tan 9x9 ceramic tile + black mastic - 717 Sidney - int under carpet	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1118-2-Vinyl Floor Tile *512103474-0004A*	Tan 9x9 ceramic tile + black mastic - 717 Sidney - int under carpet	Tan Fibrous Homogeneous		88% Non-fibrous (Other)	12% Chrysotile
1118-2-Mastic 2 *512103474-0004B*	Tan 9x9 ceramic tile + black mastic - 717 Sidney - int under carpet	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1118-3-Cove Base *512103474-0005*	Tan VCB + yellow mastic - 717 Sidney - south office	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1118-3-Mastic *512103474-0005A*	Tan VCB + yellow mastic - 717 Sidney - south office	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1118-4 *512103474-0006*	Orange carpet glue - 717 Sidney - main hallway	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1118-5-Texture *512103474-0007*	GWB + joint compound + white texture - 717 Sidney - main hallway	White Non-Fibrous Homogeneous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected
1118-5-Gypsum Wallboard *512103474-0007A*	GWB + joint compound + white texture - 717 Sidney - main hallway	Brown/White Fibrous Homogeneous	20% Cellulose <1% Glass	65% Gypsum 15% Non-fibrous (Other)	None Detected
1118-6-Texture *512103474-0008*	GWB + joint compound + white texture - 717 Sidney - main hallway	White/Beige Non-Fibrous Heterogeneous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected

Initial report from: 11/23/2021 16:53:51

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EMSL Order: 512103474
Customer ID: RSEE42
Customer PO:
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos % Fibrous	Non-Asbestos % Non-Fibrous	Asbestos % Type
Analysis includes two inseperable textures and paint.					
1118-6-Gypsum Wallboard *512103474-0008A*	GWB + joint compound + white texture - 717 Sidney - main hallway	Brown/White Fibrous Homogeneous	20% Cellulose	65% Gypsum 15% Non-fibrous (Other)	None Detected
1118-7-Texture *512103474-0009* *Thin layer in between paints*	GWB + joint compound + white texture - 717 Sidney - main hallway	White Non-Fibrous Homogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
1118-7-Gypsum Wallboard *512103474-0009A*	GWB + joint compound + white texture - 717 Sidney - main hallway	Brown/White Fibrous Homogeneous	20% Cellulose	60% Gypsum 20% Non-fibrous (Other)	None Detected
1118-8-Vinyl Floor Tile *512103474-0010*	Tan/red patterned VCT - 717 Sidney - basement east	Beige Fibrous Homogeneous		93% Non-fibrous (Other)	7% Chrysotile
1118-8-Mastic *512103474-0010A*	Tan/red patterned VCT - 717 Sidney - basement east	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1118-9-Joint Compound *512103474-0011*	GWB + JC - 717 Sidney - NW utility	White Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
1118-9-Tape *512103474-0011A*	GWB + JC - 717 Sidney - NW utility	Beige Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
1118-9-Gypsum Wallboard *512103474-0011B*	GWB + JC - 717 Sidney - NW utility	Brown/Pink Fibrous Homogeneous	25% Cellulose	60% Gypsum 15% Non-fibrous (Other)	None Detected
1118-9-Composite *512103474-0011C* *This is a composite result of wallboard, joint compound, and tape.*	GWB + JC - 717 Sidney - NW utility	Brown/White/Pink Fibrous Heterogeneous	30% Cellulose	55% Gypsum 15% Non-fibrous (Other)	<1% Chrysotile
1118-10 *512103474-0012*	Orange carpet mastic - 717 Sidney - basement main	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1118-11-Vinyl Sheet Flooring *512103474-0013*	Brown patterned VSF + yellow mastic - 808 Sidney - kitchen	Brown/Beige Fibrous Homogeneous	20% Glass	80% Non-fibrous (Other)	None Detected
1118-11-Mastic *512103474-0013A*	Brown patterned VSF + yellow mastic - 808 Sidney - kitchen	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1118-12 *512103474-0014*	Gray grout - 808 Sidney - _ grout	Gray Non-Fibrous Homogeneous		15% Quartz 85% Non-fibrous (Other)	None Detected
1118-12.1-Shingle *512103474-0015*	Black roof shingle + tan paper - 808 Sidney - roof	Various/Black Fibrous Homogeneous	15% Glass	85% Non-fibrous (Other)	None Detected
1118-12.1-Tar Paper *512103474-0015A*	Black roof shingle + tan paper - 808 Sidney - roof	Black Fibrous Homogeneous	65% Cellulose	35% Non-fibrous (Other)	None Detected
1118-13 *512103474-0016*	Green particle board - 816 Sidney - ext	Gray/Green Fibrous Homogeneous		80% Non-fibrous (Other)	20% Chrysotile

Initial report from: 11/23/2021 16:53:51

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
1118-14-Ceramic Tile *512103474-0017*	White ceramic tile + gray grout - 816 Sidney - bathroom	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1118-14-Mortar *512103474-0017A*	White ceramic tile + gray grout - 816 Sidney - bathroom	Gray Non-Fibrous Homogeneous		15% Quartz 85% Non-fibrous (Other)	None Detected
1118-15 *512103474-0018*	Tan grout- 816 Sidney - kitchen	Tan Non-Fibrous Homogeneous		25% Quartz 75% Non-fibrous (Other)	None Detected
1118-16 *512103474-0019* *Inseparable paint / coating layer included in analysis*	White 1x1 SCP- 816 Sidney - F2 ceiling hallway	Brown/White Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
1118-17-Vinyl Floor Tile 1 *512103474-0020*	Black VCT + tan VSF + mastic - 816 Sidney - kitchen flooring	Black Fibrous Homogeneous	3% Synthetic	97% Non-fibrous (Other)	None Detected
1118-17-Mastic 1 *512103474-0020A*	Black VCT + tan VSF + mastic - 816 Sidney - kitchen flooring	Tan/Clear Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1118-17-Vinyl Floor Tile 2 *512103474-0020B*	Black VCT + tan VSF + mastic - 816 Sidney - kitchen flooring	Tan Fibrous Homogeneous		93% Non-fibrous (Other)	7% Chrysotile
1118-17-Mastic 2 *512103474-0020C*	Black VCT + tan VSF + mastic - 816 Sidney - kitchen flooring	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1118-18-Cove Base *512103474-0021*	Black VCB + yellow mastic - 816 Sidney - basement	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1118-18-Mastic *512103474-0021A*	Black VCB + yellow mastic - 816 Sidney - basement	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1118-19-Cove Base *512103474-0022*	Tan VCB + yellow mastic - 816 Sidney - basement	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1118-19-Mastic *512103474-0022A*	Tan VCB + yellow mastic - 816 Sidney - basement	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1118-20-Skim Coat *512103474-0023*	Gray plaster - 816 Sidney - kitchen	White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
1118-20-Plaster *512103474-0023A*	Gray plaster - 816 Sidney - kitchen	Gray Fibrous Homogeneous	<1% Cellulose	10% Quartz 90% Non-fibrous (Other)	None Detected
1118-21-Texture *512103474-0024*	Gray plaster + texture - 816 Sidney - LR	White Fibrous Homogeneous		10% Quartz 87% Non-fibrous (Other)	3% Chrysotile
1118-21-Plaster *512103474-0024A*	Gray plaster + texture - 816 Sidney - LR	Gray Non-Fibrous Homogeneous	<1% Cellulose	15% Quartz 85% Non-fibrous (Other)	None Detected
1118-22 *512103474-0025*	Gray plaster - 816 Sidney - LR	Gray Non-Fibrous Homogeneous		15% Quartz 85% Non-fibrous (Other)	None Detected
1118-23-Shingle *512103474-0026*	Black shingles + tar + paper - 816 Sidney - roof main	Black Fibrous Homogeneous	15% Glass	85% Non-fibrous (Other)	None Detected

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EMSL Order: 512103474
Customer ID: RSEE42
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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
1118-23-Tar Paper *512103474-0026A*	Black shingles + tar + paper - 816 Sidney - roof main	Black Fibrous Homogeneous	55% Cellulose	45% Non-fibrous (Other)	None Detected
1118-24-Shingle *512103474-0027*	Black shingles + tar + paper - 816 Sidney - roof carport	Various/Black Fibrous Homogeneous	35% Cellulose	65% Non-fibrous (Other)	None Detected
1118-24-Tar Paper *512103474-0027A*	Black shingles + tar + paper - 816 Sidney - roof carport	Black Fibrous Homogeneous	55% Cellulose	45% Non-fibrous (Other)	None Detected
1118-25 *512103474-0028*	White texture - 816 Sidney - bath	Beige Fibrous Homogeneous		10% Quartz 87% Non-fibrous (Other)	3% Chrysotile
1118-26 *512103474-0029*	White texture - 816 Sidney - LR	Beige Non-Fibrous Homogeneous		10% Quartz 87% Non-fibrous (Other)	3% Chrysotile
1118-27-Texture *512103474-0030*	GWB + joint compound - 816 Sidney - basement	White Non-Fibrous Homogeneous		55% Ca Carbonate 45% Non-fibrous (Other)	None Detected
1118-27-Gypsum Wallboard *512103474-0030A*	GWB + joint compound - 816 Sidney - basement	Brown/White Fibrous Homogeneous	20% Cellulose 3% Glass	65% Gypsum 12% Non-fibrous (Other)	None Detected
1118-28-Texture *512103474-0031*	GWB + joint compound - 816 Sidney - basement	White Non-Fibrous Homogeneous		55% Ca Carbonate 45% Non-fibrous (Other)	None Detected
1118-28-Gypsum Wallboard *512103474-0031A*	GWB + joint compound - 816 Sidney - basement	Brown/White Fibrous Homogeneous	20% Cellulose 2% Glass	65% Gypsum 13% Non-fibrous (Other)	None Detected
1118-29-Texture *512103474-0032*	GWB + joint compound - 816 Sidney - basement	White Non-Fibrous Homogeneous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected
1118-29-Gypsum Wallboard *512103474-0032A*	GWB + joint compound - 816 Sidney - basement	Brown/White Fibrous Homogeneous	20% Cellulose	60% Gypsum 20% Non-fibrous (Other)	None Detected
1118-30-Shingle *512103474-0033*	Black shingles + tar + paper - 704 Sidney - roof	Black/Orange Fibrous Homogeneous	15% Glass	85% Non-fibrous (Other)	None Detected
1118-30-Tar Paper *512103474-0033A*	Black shingles + tar + paper - 704 Sidney - roof	Black Fibrous Homogeneous	65% Cellulose	35% Non-fibrous (Other)	None Detected
1118-31 *512103474-0034* *Analysis includes inseperable mastic and carpet backing.*	Orange carpet + glue - 704 Sidney - main	Tan Fibrous Heterogeneous	70% Cellulose	30% Non-fibrous (Other)	None Detected
1118-32-Vinyl Floor Tile *512103474-0035*	Light blue patterned 1x1 VCT + mastic - 704 Sidney - kitchen	Blue Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1118-32-Mastic *512103474-0035A*	Light blue patterned 1x1 VCT + mastic - 704 Sidney - kitchen	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1118-33-Vinyl Floor Tile *512103474-0036*	Tan patterned 1x1' VCT + mastic - 704 Sidney - kitchen	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1118-33-Mastic *512103474-0036A*	Tan patterned 1x1' VCT + mastic - 704 Sidney - kitchen	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
1118-34-Vinyl Floor Tile *512103474-0037*	White 1x1 VCT + mastic - 704 Sidney - bathroom	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1118-34-Mastic *512103474-0037A*	White 1x1 VCT + mastic - 704 Sidney - bathroom	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1118-35-Texture *512103474-0038*	Plaster + GWB + texture + JC - 704 Sidney - LR	White Non-Fibrous Homogeneous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected
1118-35-Skim Coat *512103474-0038A*	Plaster + GWB + texture + JC - 704 Sidney - LR	Tan Non-Fibrous Homogeneous	3% Wollastonite	30% Quartz 67% Non-fibrous (Other)	None Detected
1118-35-Plaster *512103474-0038B*	Plaster + GWB + texture + JC - 704 Sidney - LR	Gray Fibrous Homogeneous	<1% Cellulose	10% Quartz 90% Non-fibrous (Other)	None Detected
1118-35-Gypsum Wallboard *512103474-0038C*	Plaster + GWB + texture + JC - 704 Sidney - LR	Brown/White Fibrous Homogeneous	25% Cellulose	60% Gypsum 15% Non-fibrous (Other)	None Detected
1118-36-Fiber Board *512103474-0039*	Plaster + GWB + texture + JC - 704 Sidney - bathroom	Brown Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
1118-36-Mastic *512103474-0039A*	Plaster + GWB + texture + JC - 704 Sidney - bathroom	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1118-36-Plaster *512103474-0039B*	Plaster + GWB + texture + JC - 704 Sidney - bathroom	Gray Fibrous Homogeneous	<1% Cellulose	10% Quartz 90% Non-fibrous (Other)	None Detected
1118-36-Gypsum Wallboard *512103474-0039C*	Plaster + GWB + texture + JC - 704 Sidney - bathroom	Brown/White Fibrous Homogeneous	25% Cellulose	60% Gypsum 15% Non-fibrous (Other)	None Detected
1118-37-Skim Coat *512103474-0040*	Plaster + GWB + texture + JC - 704 Sidney - SE bedroom	Tan Non-Fibrous Homogeneous	3% Wollastonite	30% Quartz 67% Non-fibrous (Other)	None Detected
1118-37-Plaster *512103474-0040A*	Plaster + GWB + texture + JC - 704 Sidney - SE bedroom	Gray Fibrous Homogeneous	<1% Cellulose	15% Quartz 85% Non-fibrous (Other)	None Detected
1118-37-Gypsum Wallboard *512103474-0040B*	Plaster + GWB + texture + JC - 704 Sidney - SE bedroom	Brown/White Fibrous Homogeneous	25% Cellulose	60% Gypsum 15% Non-fibrous (Other)	None Detected
1118-38-Skim Coat *512103474-0041*	White texture - 704 Sidney - SE bedroom	Tan Non-Fibrous Homogeneous	2% Wollastonite	30% Quartz 68% Non-fibrous (Other)	None Detected
1118-38-Plaster *512103474-0041A*	White texture - 704 Sidney - SE bedroom	Gray Non-Fibrous Homogeneous		10% Quartz 90% Non-fibrous (Other)	None Detected
1118-39-Cove Base *512103474-0042*	Tan VCB + yellow glue - 704 Sidney - bathroom	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1118-39-Mastic *512103474-0042A*	Tan VCB + yellow glue - 704 Sidney - bathroom	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1118-40 *512103474-0043*	Gray grout - 712 Sidney - LR chimney	Gray Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
1118-41-Vinyl Flooring *512103474-0044*	Tan vinyl flooring + black mastic - 712 Sidney - main	Gray/Tan Fibrous Homogeneous	<1% Glass	100% Non-fibrous (Other)	None Detected
1118-41-Mastic *512103474-0044A*	Tan vinyl flooring + black mastic - 712 Sidney - main	Clear Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1118-41-Backing *512103474-0044B*	Tan vinyl flooring + black mastic - 712 Sidney - main	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1118-42 *512103474-0045* *Inseparable paint / coating layer included in analysis*	White 2x4' SCP - 712 Sidney - _	Green/Beige Fibrous Homogeneous	40% Cellulose 35% Min. Wool	15% Perlite 10% Non-fibrous (Other)	None Detected
1118-43-Texture *512103474-0046*	GWB + JC + texture - 712 Sidney - LR E	White/Beige Non-Fibrous Homogeneous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected
1118-43-Gypsum Wallboard *512103474-0046A*	GWB + JC + texture - 712 Sidney - LR E	Brown/Pink Fibrous Homogeneous	25% Cellulose	60% Gypsum 15% Non-fibrous (Other)	None Detected
1118-44-Tape *512103474-0047*	GWB + JC - 712 Sidney - LR N	Beige Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
1118-44-Joint Compound *512103474-0047A*	GWB + JC - 712 Sidney - LR N	Beige Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
1118-44-Gypsum Wallboard *512103474-0047B*	GWB + JC - 712 Sidney - LR N	Brown/White Fibrous Homogeneous	25% Cellulose	60% Gypsum 15% Non-fibrous (Other)	None Detected
1118-44-Composite *512103474-0047C* *This is a composite result of wallboard, joint compound, and tape.*	GWB + JC - 712 Sidney - LR N	Brown/White/Beige Fibrous Heterogeneous	35% Cellulose	55% Gypsum 10% Non-fibrous (Other)	<1% Chrysotile
1118-45-Texture *512103474-0048*	GWB + JC + texture - 712 Sidney - LR S	Beige Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
1118-45-Gypsum Wallboard *512103474-0048A*	GWB + JC + texture - 712 Sidney - LR S	Brown/White Fibrous Homogeneous	25% Cellulose	60% Gypsum 15% Non-fibrous (Other)	None Detected
1118-46-Texture *512103474-0049* *Analysis includes inseperable paint.*	White texture - 712 Sidney - hallway	White/Beige Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile
1118-46-Backing *512103474-0049A*	White texture - 712 Sidney - hallway	Brown/Tan Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
1118-47 *512103474-0050*	Gray sealant - 712 Sidney - LR doorframe	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1118-48-Shingle *512103474-0051*	Black roof shingle + paper - 712 Sidney - roof	Gray/Black Fibrous Homogeneous	15% Glass	85% Non-fibrous (Other)	None Detected
1118-48-Tar Paper *512103474-0051A*	Black roof shingle + paper - 712 Sidney - roof	Black Fibrous Homogeneous	65% Cellulose	35% Non-fibrous (Other)	None Detected

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			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
1118-50 *512103474-0052*	Ext stucco - 807 Cline - ext west	Gray/Tan Non-Fibrous Homogeneous		5% Quartz 95% Non-fibrous (Other)	None Detected
1118-51 *512103474-0053*	Ext stucco - 807 Cline - ext west	Gray/Tan Non-Fibrous Homogeneous		5% Quartz 95% Non-fibrous (Other)	None Detected
1118-52 *512103474-0054*	Ext stucco - 807 Cline - ext west	Gray Non-Fibrous Homogeneous		15% Quartz 85% Non-fibrous (Other)	None Detected
1118-53-Ceramic Tile *512103474-0055*	Tan ceramic tile + gorut - 807 Cline - entry	White/Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1118-53-Mastic *512103474-0055A* *Analysis includes embedded mesh backing.*	Tan ceramic tile + gorut - 807 Cline - entry	Brown Fibrous Heterogeneous	20% Synthetic	80% Non-fibrous (Other)	None Detected
1118-54-Skim Coat *512103474-0056*	Plaster + texture - 807 Cline - entry	Tan Non-Fibrous Homogeneous	2% Wollastonite	30% Quartz 68% Non-fibrous (Other)	None Detected
1118-54-Plaster *512103474-0056A*	Plaster + texture - 807 Cline - entry	Gray Non-Fibrous Homogeneous		10% Quartz 90% Non-fibrous (Other)	None Detected
1118-54-Gypsum Wallboard *512103474-0056B*	Plaster + texture - 807 Cline - entry	Brown/White Fibrous Homogeneous	25% Cellulose	60% Gypsum 15% Non-fibrous (Other)	None Detected
1118-55-Skim Coat *512103474-0057*	Plaster + GWB + JC - 807 Cline - entry	White Non-Fibrous Homogeneous		25% Quartz 75% Non-fibrous (Other)	None Detected
1118-55-Plaster *512103474-0057A*	Plaster + GWB + JC - 807 Cline - entry	Gray Non-Fibrous Homogeneous		15% Quartz 85% Non-fibrous (Other)	None Detected
1118-55-Gypsum Wallboard *512103474-0057B*	Plaster + GWB + JC - 807 Cline - entry	Brown/White Fibrous Homogeneous	25% Cellulose	60% Gypsum 15% Non-fibrous (Other)	None Detected
1118-56-Skim Coat / Texture *512103474-0058*	Plaster + texture - 807 Cline - entry	Tan Non-Fibrous Homogeneous	2% Wollastonite	30% Quartz 68% Non-fibrous (Other)	None Detected
1118-56-Plaster *512103474-0058A*	Plaster + texture - 807 Cline - entry	Gray Non-Fibrous Homogeneous	<1% Hair	10% Quartz 90% Non-fibrous (Other)	None Detected
1118-56-Gypsum Wallboard *512103474-0058B*	Plaster + texture - 807 Cline - entry	Brown/White Fibrous Homogeneous	25% Cellulose	60% Gypsum 15% Non-fibrous (Other)	None Detected
1118-57-Skim Coat *512103474-0059*	White texture - 807 Cline - entry	Pink Non-Fibrous Homogeneous		3% Quartz 97% Non-fibrous (Other)	None Detected
1118-57-Plaster *512103474-0059A*	White texture - 807 Cline - entry	Gray Non-Fibrous Homogeneous		10% Quartz 90% Non-fibrous (Other)	None Detected
1118-58-Shingle *512103474-0060*	Blackr oof shingle + paper - 807 Cline - entry	Brown/Black Fibrous Homogeneous	20% Glass	80% Non-fibrous (Other)	None Detected

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			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
1118-58-Tar Paper *512103474-0060A*	Blackr oof shingle + paper - 807 Cline - entry	Black Fibrous Homogeneous	65% Cellulose	35% Non-fibrous (Other)	None Detected
1118-59-Ceramic Tile *512103474-0061*	Blue ceramic tile + grout - 807 Cline - bathroom	Blue Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1118-59-Mastic *512103474-0061A* *Analysis includes embedded mesh.*	Blue ceramic tile + grout - 807 Cline - bathroom	Beige Fibrous Heterogeneous	20% Synthetic	80% Non-fibrous (Other)	None Detected
1118-59-Skim Coat *512103474-0061B*	Blue ceramic tile + grout - 807 Cline - bathroom	White Non-Fibrous Homogeneous	2% Wollastonite	25% Quartz 73% Non-fibrous (Other)	None Detected
1118-59-Plaster *512103474-0061C*	Blue ceramic tile + grout - 807 Cline - bathroom	Gray Non-Fibrous Homogeneous		10% Quartz 90% Non-fibrous (Other)	None Detected
1118-60-Ceramic Tile *512103474-0062*	Tan VSF - 807 Cline - bathroom	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1118-60-Mortar & Mastic *512103474-0062A* *Analysis includes inseperable mastic, mortar, and embedded mesh.*	Tan VSF - 807 Cline - bathroom	Gray/Tan Fibrous Heterogeneous	15% Synthetic	85% Non-fibrous (Other)	None Detected
1118-61 *512103474-0063*	Tan pattern VSF + mastic - 807 Cline - F2 kitchen	Beige Fibrous Homogeneous	45% Cellulose	55% Non-fibrous (Other)	None Detected
1118-62-Vinyl Floor Tile *512103474-0064*	Tan pattern VSF + mastic - 807 Cline - F2 bathroom	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1118-62-Mastic *512103474-0064A*	Tan pattern VSF + mastic - 807 Cline - F2 bathroom	Clear Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1118-63 *512103474-0065*	White SCP - 807 Cline - basement	Brown/White Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
1118-64-Joint Compound *512103474-0066*	Plaster - 803 Cline - dining room	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1118-64-Tape *512103474-0066A*	Plaster - 803 Cline - dining room	Beige Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
1118-64-Plaster *512103474-0066B*	Plaster - 803 Cline - dining room	Gray Non-Fibrous Homogeneous		10% Quartz 90% Non-fibrous (Other)	None Detected
1118-65 *512103474-0067*	White VSF + mastic - 803 Cline - kitchen	White Fibrous Homogeneous	25% Cellulose 5% Synthetic 7% Glass	63% Non-fibrous (Other)	None Detected
1118-66-Vinyl Sheet Flooring *512103474-0068*	White VSF + mastic - 803 Cline - bathroom	White/Beige Fibrous Homogeneous	35% Cellulose 3% Glass	62% Non-fibrous (Other)	None Detected
1118-66-Mastic *512103474-0068A*	White VSF + mastic - 803 Cline - bathroom	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
1118-67 *512103474-0069*	Plaster - 803 Cline - bathroom	Gray Non-Fibrous Homogeneous		15% Quartz 85% Non-fibrous (Other)	None Detected
1118-68 *512103474-0070*	Plaster - 803 Cline - bathroom	Gray Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected
1118-69 *512103474-0071*	Gray grout - 803 Cline - chimney	Gray Non-Fibrous Homogeneous		25% Quartz 75% Non-fibrous (Other)	None Detected
1118-70 *512103474-0072* *No mastic is present in this sample.*	Gray VSF + mastic - 803 Cline - F2 NE bath	Brown/Orange Fibrous Homogeneous	45% Cellulose	55% Non-fibrous (Other)	None Detected
1118-71-Shingle *512103474-0073*	Black shingle - 803 Cline - roof	Brown/Black Fibrous Homogeneous	20% Glass	80% Non-fibrous (Other)	None Detected
1118-71-Tar Paper *512103474-0073A*	Black shingle - 803 Cline - roof	Black Fibrous Homogeneous	65% Cellulose	35% Non-fibrous (Other)	None Detected

Analyst(s)
Claudiu Nistor (135)
Ehrin Stephens (6)

Rudy Baum, Interim Laboratory Manager
or Other Approved Signatory

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Asbestos Bulk Building Material Chain of Custody

EMSL Order Number *(Lab Use Only)*:

#512103474

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PHONE: (800) 220-3675
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Company: Rose Environmental	**EMSL-Bill to:** ☐ Same ☐ Different If Bill to is Different note instructions in Comments**
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City: / **State/Province:**	**Zip/Postal Code:** / **Country:**
Report To (Name): Martin Ryan	**Telephone #:**
Email Address:	**Fax #:** / **Purchase Order:**
Project Name/Number: 11696-Kitsap	**Please Provide Results:** ☐ Fax ☐ Email
U.S. State Samples Taken:	**CT Samples:** ☐ Commercial/Taxable ☐ Residential/Tax Exempt

Turnaround Time (TAT) Options* – Please Check

☐ 3 Hour ☐ 6 Hour ☐ 24 Hour ☐ 48 Hour ☐ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week

*For TEM Air 3 hr through 6 hr, please call ahead to schedule *There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.

PLM - Bulk (reporting limit)	TEM – Bulk
☒ PLM EPA 600/R-93/116 (<1%)	☐ TEM EPA NOB – EPA 600/R-93/116 Section 2.5.5.1
☐ PLM EPA NOB (<1%)	☐ NY ELAP Method 198.4 (TEM)
Point Count ☐ 400 (<0.25%) ☐ 1000 (<0.1%)	☐ Chatfield Protocol (semi-quantitative)
Point Count w/Gravimetric ☐ 400 (<0.25%) ☐ 1000 (<0.1%)	☐ TEM % by Mass – EPA 600/R-93/116 Section 2.5.5.2
☐ NIOSH 9002 (<1%)	☐ TEM Qualitative via Filtration Prep Technique
☐ NY ELAP Method 198.1 (friable in NY)	☐ TEM Qualitative via Drop Mount Prep Technique
☐ NY ELAP Method 198.6 NOB (non-friable-NY)	**Other**
☐ OSHA ID-191 Modified	☐
☐ Standard Addition Method	

☐ Check For Positive Stop – Clearly Identify Homogenous Group | **Date Sampled:** 11/18 + 11/19, 2021

Samplers Name: Ryan M | **Samplers Signature:**

Sample #	~~HA #~~	MATERIAL ~~Sample Location~~	LOCATION ~~Material Description~~
1118	0.1	Black Shingle tan + paper	717 Sidney – Roof
–	0.2	Black/white caulk	– East Door ext.
–	1	Red 9x9 ceramic tile + black mastic	– Int under carpet
–	2	Tan 9x9 ↓	– ↓
–	3	Tan VCB + yellow mastic	– South Office
–	4	Orange carpet glue	– Main Hallway
–	5	GWB + joint compound + white texture	–
–	6	↓	–
–	7	↓	–
–	8	Tan/red pattern 9x9 VCT	↓ – Basement – East

Client Sample # (s): – **Total # of Samples:** 73

Relinquished (Client): **Date:** 11/21/21 **Time:**

Received (Lab): Caudia Nieto **Date:** 11/22/21 **Time:** 8:00 AM 0:B

Comments/Special Instructions:

OrderID: 512103474

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Bulk Building Material Chain of Custody

EMSL Order Number *(lab use only)*:

#512103474

EMSL ANALYTICAL, INC.
5900 4TH AVE S, STE 100
SEATTLE, WA 98108
PHONE: (206) 269-6310
FAX: (206) 900-8789

Additional pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	HA #	Material Sample Location		Location Material Description
1118 –	9	GWB + j.c.	717	Basement – NW utility
↓ –	10	Orange carpet mastic	↓	Basement – MAIN
1118 –	11	Brown pattern VSF + yellow mastic	808	~~Kitchen~~ Kitchen
↓ –	12.0	gray grout	Siding	Chimney grout
↓ –	12.1	Black roof shingle tan + PAP	↓	~~Roof Shingle~~
1118 –	13	Green particle board	816	Siding – Ext. ~~post~~ Panel
	14	White ceramic tile + gray grout		– Bathroom
	15	Tan grout		– Kitchen
	16	White 1x1 SCP		– F2 Ceiling Hallway
	17	Black VCT + Tan VSF + MASTIC		– ~~Black VCT~~ Kitchen Floor
	18	Black VCB + yellow MASTIC		– Basement
	19	Tan VCB + yellow MASTIC		– Basement
	20	Gray Plaster		– Kitchen
	21	↓ + texture		– LR
	22	↓		– LR
	23	Black shingles + tan + PAP		– Roof Main
	24	↓		– Roof Carport
	25	White texture		– Bath
	26	White texture		– LR
	27	GWB + joint compound		– Basement
	28	↓		– ↓
	29			

*Comments/Special Instructions:

Page _____ of _____ pages

OrderID: 512103474

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Bulk Building Material Chain of Custody

EMSL Order Number (*Lab Use Only*):

#512103474

EMSL ANALYTICAL, INC.
3317 3RD AVE S., SUITE D
SEATTLE, WA 98134
PHONE: (206) 269-6310
FAX: (206) 900-8789

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	HA #	Sample Location	Material Description
1118-	30	Black shingles + tan + paper	704 Sidney — Roof
	31	Orange carpet glue	— MAIN
	32	Light blue patterned 1x1 VCT + mastic	— Kitchen
	33	Tan patterned 1x1' VCT + MASTIC	— K. tel
	34	White 1x1 VCT + MASTIC	— Bathroom
	35	Plaster + GWB + texture + J.C	— LR
	36	Plaster + GWB + J.C	— Bathroom
	37	Plaster + GWB + texture + J.C	— SE Bedroom
	38	White texture	— SE Bedroom
	39	Tan VCB + yellow glue	— Bathro
1116-	40	Grey grout.	712 Sidney — LR Chimney
	41	Tan Vinyl Floor + black mastic	— MAIN
	42	White 2x4' ⊄ SCP	— Cnl
	43	GWB + J.C. + texture	— LR E
	44	GWB + J.C.	— LR N
	45	GWB + J.C + text	— LR S.
	46	White texture	— Hallway
	47	Grey ~~grout~~ sealant	— LR Door fra
	48	Black Roof Shingle + pap	— Roof.
	49		

***Comments/Special Instructions:**

Page _____ of _____ pages

OrderID: 512103474

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Bulk Building Material Chain of Custody

EMSL Order Number (Lab Use Only):

#512103474

EMSL ANALYTICAL, INC.
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077
PHONE: (800) 220-3675
FAX: (856) 786-5974

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	HA #	Material Sample Location	Material Description
1119-	50	Ext. Stucco	807 Cline – Ext. West
	52	↓	– ↓
	52	↓	– ↓
	53	Tan ceramic tile & grout	– Bath
	54	Plaster + texture	–
	54	Plaster + GWB + J.C	–
	56	Plaster + texture	–
	57	White texture	–
	58	Black Roof Shingle + pap	–
	59	Blue ceramic tile + grout	– Bathroom
	60	Tan VSF	–
	61	Tan pattern VSF + MASTIC	– F2 Kitchen
	62	↓	– F2 Bathroom
	63	White SCP	↓ – Basement
	64	PLASTER	803 Cline – Dining Room
	65	White VSF + MASTIC	– Kitchen
	66	↓	– Bathroom
	67	Plaster	–
	68	PLASTER	–
	69	Grey grout	– Chimney
	70	Orange VSF + MASTIC	– F2 NE Bath
↓	71	Black ~~VSF~~ Shingle	– Roof

*Comments/Special Instructions:

Page _____ of _____ pages

November 22, 2021

Martin Rose
Rose Environmental
6715 Greenwood Ave. N
Seattle, WA 98107

NVL Batch # 2120433.00

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

Client Project: 11696-Kitsap
Location: Port Orchard

Dear Mr. Rose,

NVL Labs received 15 sample(s) for the said project on 11/22/2021. Preparation of these samples was conducted following protocol outlined in EPA 3051/7000B , unless stated otherwise. Analysis of these samples was performed using analytical instruments in accordance with EPA 7000B Lead by FAA <paint>. The results are usually expressed in mg/Kg and percentage (%). Test results are not blank corrected.

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

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

Sincerely,

Shalini Patel, Lab Supervisor

Enc.: Sample results

Analysis Report

Total Lead (Pb)

Client: Rose Environmental
Address: 6715 Greenwood Ave. N
Seattle, WA 98107

Attention: **Mr. Martin Rose**
Project Location: Port Orchard

Batch #: 2120433.00
Matrix: Paint
Method: EPA 3051/7000B
Client Project #: 11696-Kitsap
Date Received: 11/22/2021
Samples Received: 15
Samples Analyzed: 15

Lab ID	Client Sample #	Sample Weight (g)	RL in mg/Kg	Results in mg/Kg	Results in percent
21135192	1118-L1	0.1860	54	3400	0.34
21135193	1118-L2	0.0739	140	< 140	< 0.014
21135194	1118-L3	0.1069	94	< 94	< 0.0094
21135195	1118-L4	0.0132	380	< 380	< 0.038
21135196	1118-L5	0.2035	49	620	0.062
21135197	1118-L6	0.0551	180	17000	1.7
21135198	1118-L7	0.0492	100	1600	0.16
21135199	1118-L8	0.1913	52	70	0.0070
21135200	1118-L9	0.1082	92	140000	14
21135201	1118-L10	0.0214	230	< 230	< 0.023
21135202	1118-L11	0.0266	190	< 190	< 0.019
21135203	1118-L12	0.0301	170	< 170	< 0.017
21135204	1118-L13	0.0562	180	< 180	< 0.018
21135205	1118-L14	0.0053	940	< 940	< 0.094
21135206	1118-L15	0.0298	170	< 170	< 0.017

Comments: Small sample size (<0.05g) for some of the samples.

Sampled by: Client
Analyzed by: Yasuyuki Hida
Reviewed by: Shalini Patel
Date Analyzed: 11/22/2021
Date Issued: 11/22/2021

Shalini Patel, Lab Supervisor

mg/ Kg =Milligrams per kilogram
Percent = Milligrams per kilogram / 10000
RL = Reporting Limit
'<' = Below the reporting Limit
Note : Method QC results are acceptable unless stated otherwise.
Unless otherwise indicated, the condition of all samples was acceptable at time of receipt.

Bench Run No: 2021-1122-05
FAA-02

LEAD LABORATORY SERVICES

Company	Rose Environmental	**NVL Batch Number**	**2120433.00**
Address	6715 Greenwood Ave. N Seattle, WA 98107	**TAT** 2 Days **AH** No **Rush TAT**	
Project Manager	Mr. Martin Rose	**Due Date** 11/24/2021 **Time** 8:00 AM	
Phone	(206) 679-0699	**Email** roseenv@gmail.com	
		Fax (206) 279-1756	

Project Name/Number: 11696-Kitsap **Project Location:** Port Orchard

Subcategory Flame AA (FAA)

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

Total Number of Samples 15 Rush Samples

	Lab ID	Sample ID	Description	A/R
1	21135192	1118-L1		A
2	21135193	1118-L2		A
3	21135194	1118-L3		A
4	21135195	1118-L4		A
5	21135196	1118-L5		A
6	21135197	1118-L6		A
7	21135198	1118-L7		A
8	21135199	1118-L8		A
9	21135200	1118-L9		A
10	21135201	1118-L10		A
11	21135202	1118-L11		A
12	21135203	1118-L12		A
13	21135204	1118-L13		A
14	21135205	1118-L14		A
15	21135206	1118-L15		A

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

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Kelly AuVu		NVL	11/22/21	800
Analyzed by	Yasuyuki Hida		NVL	11/22/21	
Results Called by					
☐ **Faxed** ☐ **Emailed**					

Special Instructions:

Date: 11/22/2021
Time: 8:43 AM
Entered By: Kelly AuVu

NVL
INDUSTRIAL HYGIENE SERVICES
LABORATORY • MANAGEMENT • TRAINING

2120433

CHAIN OF CUSTODY

Turn Around Time
- ☐ 2 Hour
- ☐ 4 Hours
- ☐ 24 Hours
- ☒ 2 Days
- ☐ 3 Days
- ☐ 4 Days
- ☐ 5 Days
- ☐ 6-10 Days

Please call for TAT less than 24 Hours

Company: Rose Environmental
Address: -on file-
Phone:
Project Manager: Martin Rose
Cell: ( ) -
Email:
Fax: ( ) -

Project Name/Number: 11696-Kitsap
Project Location: Port Orchard

☒ Total Metals	☐ FAA (ppm	☐ Air Filter	☒ Paint Chips (%)	☐ Soil	RCRA 8	RCRA 11
☐ TCLP	☐ ICP (PPM	☐ Paint Chips (cm)	☐ Dust Wipes		☐ Barium ☐ Chromium ☐ Silver	☐ Copper
	☐ GFAA (ppb)	☐ Drinking Water	☐ Waste Water		☐ Arsenic ☐ Mercury ☒ Lead	☐ Zinc
	☐ CVAA (ppb)	☐ Other			☐ Selenium ☐ Cadmium	☐ Other

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

Total Number of Samples 46

	Sample ID	Description	A/R
1	1118-L1	717 Sidney - Brown MAIN Exterior	
2	L2	- White interior	
3	L3	- White foundation	
4	L4	808 Sidney - White exterior	
5	L5	- Yellow interior	
6	L6	- MUAVE interior Bathroom	
7	L7	- Green interior Bathroom	
8	L8	816 Sidney - ~~FD~~ Torquoise - Exter	
9	L9	- Dark torquise - Ext. trim.	
10	L10	- White - Kitchen	
11	L11	- Purple - Kitchen	
12	L12	- Yellow - L.R.	
13	L13	- Blue - Bathroom	
14	L14	- MUAVE - L2 East Bed.	
15	L15	- Dark Blue - L2	

	Print Name	Signature	Company	Date	Time
Sampled by	[illegible]	[illegible]		11/18+19, 2021	
Relinquish by	[illegible]	[illegible]			

Office Use Only

	Print Name	Signature	Company	Date	Time
Received by	[illegible]	[illegible]	NVL	11/22/2021	8000
Analyzed by					
Called by					
Faxed/Email by					

November 23, 2021

Martin Rose
Rose Environmental
6715 Greenwood Ave. N
Seattle, WA 98107

NVL Batch # 2120434.00

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

Client Project: 11696-Kitsap
Location: Port Orchard

Dear Mr. Rose,

NVL Labs received 15 sample(s) for the said project on 11/22/2021. Preparation of these samples was conducted following protocol outlined in EPA 3051/7000B , unless stated otherwise. Analysis of these samples was performed using analytical instruments in accordance with EPA 7000B Lead by FAA <paint>. The results are usually expressed in mg/Kg and percentage (%). Test results are not blank corrected.

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

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

Sincerely,

Shalini Patel, Lab Supervisor

Enc.: Sample results

Analysis Report

Total Lead (Pb)

Client: Rose Environmental
Address: 6715 Greenwood Ave. N
Seattle, WA 98107

Attention: **Mr. Martin Rose**
Project Location: Port Orchard

Batch #: 2120434.00
Matrix: Paint
Method: EPA 3051/7000B
Client Project #: 11696-Kitsap
Date Received: 11/22/2021
Samples Received: 15
Samples Analyzed: 15

Lab ID	Client Sample #	Sample Weight (g)	RL in mg/Kg	Results in mg/Kg	Results in percent
21135207	1118-L16	0.0389	130	< 130	< 0.013
21135208	1118-L17	0.0228	220	< 220	< 0.022
21135209	1118-L18	0.0110	450	620	0.062
21135210	1118-L19	0.0411	120	< 120	< 0.012
21135211	1118-L20	0.0355	140	20000	2.0
21135212	1118-L21	0.0649	150	400	0.040
21135213	1118-L22	0.1830	55	7800	0.78
21135214	1118-L23	0.0739	140	610	0.061
21135215	1118-L24	0.1890	53	69000	6.9
21135216	1118-L25	0.1414	71	< 71	< 0.0071
21135217	1118-L26	0.0643	160	< 160	< 0.016
21135218	1118-L27	0.1811	55	< 55	< 0.0055
21135219	1118-L28	0.0414	120	1000	0.10
21135220	1118-L29	0.2013	50	460	0.046
21135221	1118-L30	0.1830	55	2100	0.21

Comments: Small sample size (<0.05g) for some of the samples.

Sampled by: Client
Analyzed by: Yasuyuki Hida
Reviewed by: Shalini Patel
Date Analyzed: 11/23/2021
Date Issued: 11/23/2021

Shalini Patel, Lab Supervisor

mg/ Kg =Milligrams per kilogram
Percent = Milligrams per kilogram / 10000
RL = Reporting Limit
'<' = Below the reporting Limit
Note : Method QC results are acceptable unless stated otherwise.
Unless otherwise indicated, the condition of all samples was acceptable at time of receipt.

Bench Run No: 2021-1123-01
FAA-02

LEAD LABORATORY SERVICES

Company Rose Environmental
Address 6715 Greenwood Ave. N
Seattle, WA 98107
Project Manager Mr. Martin Rose
Phone (206) 679-0699

NVL Batch Number **2120434.00**
TAT 2 Days **AH** No
Rush TAT
Due Date 11/24/2021 **Time** 8:00 AM
Email roseenv@gmail.com
Fax (206) 279-1756

Project Name/Number: 11696-Kitsap **Project Location:** Port Orchard

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

Total Number of Samples 15 Rush Samples

	Lab ID	Sample ID	Description	A/R
1	21135207	1118-L16		A
2	21135208	1118-L17		A
3	21135209	1118-L18		A
4	21135210	1118-L19		A
5	21135211	1118-L20		A
6	21135212	1118-L21		A
7	21135213	1118-L22		A
8	21135214	1118-L23		A
9	21135215	1118-L24		A
10	21135216	1118-L25		A
11	21135217	1118-L26		A
12	21135218	1118-L27		A
13	21135219	1118-L28		A
14	21135220	1118-L29		A
15	21135221	1118-L30		A

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

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Kelly AuVu		NVL	11/22/21	800
Analyzed by	Yasuyuki Hida		NVL	11/23/21	
Results Called by					
☐ **Faxed** ☐ **Emailed**					

Special Instructions:

Date: 11/22/2021
Time: 8:45 AM
Entered By: Kelly AuVu

NVL
INDUSTRIAL HYGIENE SERVICES
LABORATORY + MANAGEMENT + TRAINING

METALS CHAIN OF CUSTODY

Turn Around Time
❑ 2 Hour ❑ 4 Hours ❑ 24 Hours
❑ 2 Days ❑ 3 Days ❑ 4 Days
❑ 5 Days ❑ 6-10 Days
Please call for T/

2120434

Company _____ Project Manager _____
Address _____ Cell ( ) -
_____ Email _____
Phone _____ Fax ( ) -

Project Name/Number	Project Location

❑ Total Metals ❑ TCLP
❑ FAA (ppm ❑ ICP (PPM ❑ GFAA (ppb) ❑ CVAA (ppb)
❑ Air Filter ❑ Paint Chips (cm) ❑ Drinking Water ❑ Other
❑ Paint Chips (%) ❑ Dust Wipes ❑ Waste Water ❑ Soil
RCRA 8: ❑ Barium ❑ Chromium ❑ Silver ❑ Arsenic ❑ Mercury ❑ Lead ❑ Selenium ❑ Cadmium
RCRA 11: ❑ Copper ❑ Zinc ❑ Other

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

Total Number of Samples _____

	Sample ID		Description	A/R
1	1118 - L16	816 Siding	Light Blue - L2 Bedroom	
2	- L17		Purple - L2 Bedroom	
3	L18		Black - Kitchen trim	
4	L19		Light tan - Kitchen Nook	
5	1118-L20		704 Siding — White-ext.	
6	L21		— BLUE - entrANL	
7	L22		— white - Bathroom	
8	L23		— White - Liv. Room	
9	1118 - L24		712 Siding — Tan ext. main	
10	- L25		— Red ext. trim	
11	- L26		— grey foundation	
12	+L27		— Off-White	
13	- L28		— Brown Trim	
14	- L29		— F2 - Yellow	
15	- L30		— F2 - White trim	

	Print Name	Signature	Company	Date	Time
Sampled by					
Relinquish by					

Office Use Only

	Print Name	Signature	Company	Date	Time
Received by	[illegible]	[illegible]	NVL	11/22/2021	8:00
Analyzed by					
Called by					
Faxed/Email by					

NVL
INDUSTRIAL HYGIENE SERVICES
LABORATORY • MANAGEMENT • TRAINING

METALS CHAIN OF CUSTODY

Turn Around Time
- ☐ 2 Hour
- ☒ 2 Days
- ☐ 5 Days

Please call for

2120434

Company: Rose Environmental
Address: -on file-
Phone:
Project Manager: Martin Rose
Cell: ( )
Email:
Fax: ( )

Project Name/Number: 11696-Kitsap
Project Location: Port Orchard

- ☒ Total Metals
- ☐ TCLP
- ☐ FAA (ppm
- ☐ ICP (PPM
- ☐ GFAA (ppb)
- ☐ CVAA (ppb)
- ☐ Air Filter
- ☐ Paint Chips (cm)
- ☐ Drinking Water
- ☐ Other
- ☒ Paint Chips (%)
- ☐ Dust Wipes
- ☐ Waste Water
- ☐ Soil

RCRA 8
- ☐ Barium
- ☐ Arsenic
- ☐ Selenium
- ☐ Chromium
- ☐ Mercury
- ☐ Cadmium
- ☐ Silver
- ☒ Lead

RCRA 11
- ☐ Copper
- ☐ Zinc
- ☐ Other

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

Total Number of Samples 46

	Sample ID	Description	A/R
1	1118-L1	717 Sidney - Brown MAIN Exterior	
2	L2	- White interior	
3	L3	- White foundation	
4	L4	808 Sidney - White exterior	
5	L5	- Yellow interior	
6	L6	- MUAVE interior Bathroom	
7	L7	- Green interior Bathroom	
8	L8	816 Sidney - ~~Fo~~ Torquoist - Exter—	
9	L9	- Dark torquise - Ext. trim.	
10	L10	- White - Kitchen	
11	L11	- Purple - Kitchen	
12	L12	- Yellow - L.R.	
13	L13	- Blue - Bathroom	
14	L14	- MUAVE - L2 EAST Bed.	
15	L15	- Dark Blue - L2	

	Print Name	Signature	Company	Date	Time
Sampled by	[illegible]	[illegible]		11/18+19, 2021	
Relinquish by	[illegible]	[illegible]			

Office Use Only

	Print Name	Signature	Company	Date	Time
Received by	[illegible]	[illegible]	NVL	11/22/2021	8000
Analyzed by					
Called by					
Faxed/Email by					

November 23, 2021

Martin Rose
Rose Environmental
6715 Greenwood Ave. N
Seattle, WA 98107

NVL Batch # 2120435.00

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

Client Project: 11696-Kitsap
Location: Port Orchard

Dear Mr. Rose,

NVL Labs received 16 sample(s) for the said project on 11/22/2021. Preparation of these samples was conducted following protocol outlined in EPA 3051/7000B , unless stated otherwise. Analysis of these samples was performed using analytical instruments in accordance with EPA 7000B Lead by FAA <paint>. The results are usually expressed in mg/Kg and percentage (%). Test results are not blank corrected.

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

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

Sincerely,

Shalini Patel, Lab Supervisor

Enc.: Sample results

Analysis Report

Total Lead (Pb)

Client: Rose Environmental
Address: 6715 Greenwood Ave. N
Seattle, WA 98107

Attention: Mr. Martin Rose
Project Location: Port Orchard

Batch #: 2120435.00
Matrix: Paint
Method: EPA 3051/7000B
Client Project #: 11696-Kitsap
Date Received: 11/22/2021
Samples Received: 16
Samples Analyzed: 15

Lab ID	Client Sample #	Sample Weight (g)	RL in mg/Kg	Results in mg/Kg	Results in percent
21135222	1118-L31	0.2015	50	3500	0.35
21135223	1118-L32	0.0997	100	4700	0.47
21135224	1119-L33	0.1402	71	8600	0.86
21135225	1119-L34	0.1483	67	69000	6.9
21135226	1119-L35	0.0854	120	360	0.036
21135227	1119-L36	0.0601	170	< 170	< 0.017
21135228	1119-L37	0.0340	150	2600	0.26
21135229	1119-L38	0.0246	200	< 200	< 0.020
21135230	1119-L39				
21135231	1119-L40	0.1287	78	950	0.095
21135232	1119-L41	0.0393	130	150	0.015
21135233	1119-L42	0.1420	70	240	0.024
21135234	1119-L43	0.1971	51	150000	15
21135235	1119-L44	0.0756	130	400	0.040
21135236	1119-L45	0.0806	120	480	0.048
21135237	1119-L46	0.0590	170	< 170	< 0.017

Comments: Sample 1119-L39 was not submitted. Small sample size (<0.05g) for 1119-L37, -L38, and -L41.

Sampled by: Client
Analyzed by: Yasuyuki Hida
Reviewed by: Shalini Patel
Date Analyzed: 11/23/2021
Date Issued: 11/23/2021

Shalini Patel, Lab Supervisor

mg/ Kg =Milligrams per kilogram
Percent = Milligrams per kilogram / 10000
RL = Reporting Limit
'<' = Below the reporting Limit
Note : Method QC results are acceptable unless stated otherwise.
Unless otherwise indicated, the condition of all samples was acceptable at time of receipt.

Bench Run No: 2021-1122-09
FAA-02

LEAD LABORATORY SERVICES

Company Rose Environmental
Address 6715 Greenwood Ave. N
Seattle, WA 98107
Project Manager Mr. Martin Rose
Phone (206) 679-0699

NVL Batch Number **2120435.00**
TAT 2 Days **AH** No
Rush TAT
Due Date 11/24/2021 **Time** 8:00 AM
Email roseenv@gmail.com
Fax (206) 279-1756

Project Name/Number: 11696-Kitsap **Project Location:** Port Orchard

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

Total Number of Samples 16 Rush Samples

	Lab ID	Sample ID	Description	A/R
1	21135222	1118-L31		A
2	21135223	1118-L32		A
3	21135224	1119-L33		A
4	21135225	1119-L34		A
5	21135226	1119-L35		A
6	21135227	1119-L36		A
7	21135228	1119-L37		A
8	21135229	1119-L38		A
9	21135230	1119-L39	Sample Not Submitted	A
10	21135231	1119-L40		A
11	21135232	1119-L41		A
12	21135233	1119-L42		A
13	21135234	1119-L43		A
14	21135235	1119-L44		A
15	21135236	1119-L45		A
16	21135237	1119-L46		A

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

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Kelly AuVu		NVL	11/22/21	800
Analyzed by	Yasuyuki Hida		NVL	11/23/21	
Results Called by					
☐ **Faxed** ☐ **Emailed**					

Special Instructions:

Date: 11/22/2021
Time: 8:51 AM
Entered By: Kelly AuVu

NVL
INDUSTRIAL HYGIENE SERVICES
LABORATORY • MANAGEMENT • TRAINING

METALS CHAIN OF CUSTODY

Turn Around Time
- ❑ 2 Hour
- ❑ 4 Hours
- ❑ 24 Hours
- ❑ 2 Days
- ❑ 3 Days
- ❑ 4 Days
- ❑ 5 Days
- ❑ 6-10 Days

Please call fc

2120435

Company _____ Project Manager _____

Address _____ Cell ( ) -

_____ Email _____

Phone _____ Fax ( ) -

Project Name/Number	Project Location

❑ Total Metals ❑ TCLP | ❑ FAA (ppm ❑ ICP (PPM ❑ GFAA (ppb) ❑ CVAA (ppb) | ❑ Air Filter ❑ Paint Chips (cm) ❑ Drinking Water ❑ Other | ❑ Paint Chips (%) ❑ Dust Wipes ❑ Waste Water | ❑ Soil

RCRA 8: ❑ Barium ❑ Arsenic ❑ Selenium ❑ Chromium ❑ Mercury ❑ Cadmium ❑ Silver ❑ Lead

RCRA 11: ❑ Copper ❑ Zinc ❑ Other _____

Reporting Instructions _____

❑ Call ( ) - ❑ Fax ( ) - ❑ Email _____

Total Number of Samples _____

	Sample ID	Description	A/R
1	1118-L31	712 Sidney — Blue ext. steps	
2	↓ -L32	↓ — White ext. trim door	
3	1119-L33	807 Cline — Red ext.	
4	-L34	— Yellow ext.	
5	L35	— Tan foundation	
6	L36	— Yellow east shed door	
7	L37	— White ext. east trim	
8	L38	— Tan Stucco ext.	
9	L39	— White int.	
10	L40	— ~~E~~ F2 - Yellow	
11	L41	— F2 - Blue	
12	L42	— Basement - Floor	
13	L43	803 Cline — White ext.	
14	L44	— White int.	
15	L45	— Blue - SE Bedroom	
16.	L46	— Yellow - Bathroom	

	Print Name	Signature	Company	Date	Time
Sampled by					
Relinquish by					

Office Use Only

	Print Name	Signature	Company	Date	Time
Received by	Kelly Keller	K	NVL	11/22/2011	8:00
Analyzed by					
Called by					
Faxed/Email by					

NVL
INDUSTRIAL HYGIENE SERVICES
LABORATORY • MANAGEMENT • TRAINING

METALS CHAIN OF CUSTODY

Turn Around Time
- ☐ 2 Hour
- ☒ 2 Days
- ☐ 5 Days

Please call for TAT less than 24 Hours

2120435

Company: ROSE ENVIRONMENTAL
Address: -on file-
Phone:

Project Manager: MARTIN ROSE
Cell: ( ) -
Email:
Fax: ( ) -

Project Name/Number: 11696-Kitsap
Project Location: Port Orchard

☒ Total Metals	☐ FAA (ppm	☐ Air Filter	☒ Paint Chips (%)	☐ Soil	RCRA 8
☐ TCLP	☐ ICP (PPM	☐ Paint Chips (cm)	☐ Dust Wipes		☐ Barium ☐ Chromium ☐ Silver
	☐ GFAA (ppb)	☐ Drinking Water	☐ Waste Water		☐ Arsenic ☐ Mercury ☒ Lead
	☐ CVAA (ppb)	☐ Other			☐ Selenium ☐ Cadmium

RCRA 11: ☐ Copper ☐ Zinc ☐ Other

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

Total Number of Samples 46

	Sample ID	Description	A/R
1	1118-L1	717 Sidney - Brown MAIN Exterior	
2	L2	- White interior	
3	L3	- White foundation	
4	L4	808 Sidney - White exterior	
5	L5	- Yellow interior	
6	L6	- MUAVE interior Bathroom	
7	L7	- Green interior Bathroom	
8	L8	816 Sidney - ~~Fo~~ Torquoise - Exter—	
9	L9	- Dark torquise - Ext. trim.	
10	L10	- White - kitchen	
11	L11	- Purple - kitchen	
12	L12	- Yellow - L.R.	
13	L13	- Blue - Bathroom	
14	L14	- MUAVE - L2 EAST Bedr.	
15	L15	- Dark Blue - L2	

	Print Name	Signature	Company	Date	Time
Sampled by	[illegible]	[illegible]		11/18+19, 2021	
Relinquish by	[illegible]	[illegible]			

Office Use Only

	Print Name	Signature	Company	Date	Time
Received by	[illegible]	[illegible]	NVL	11/22/2021	8:00
Analyzed by					
Called by					
Faxed/Email by					


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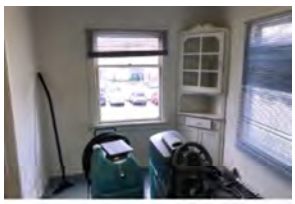
IMG_1933


IMG_1934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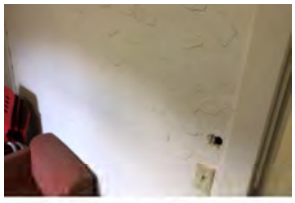
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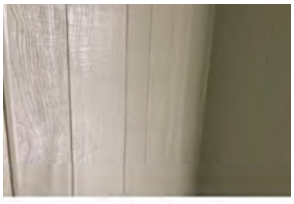
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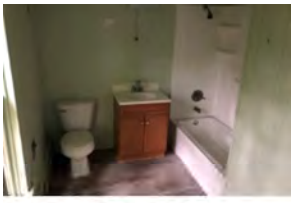
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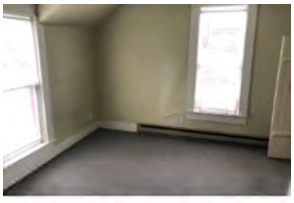
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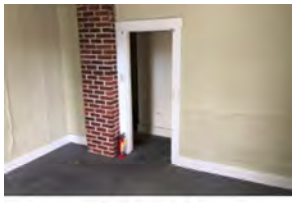
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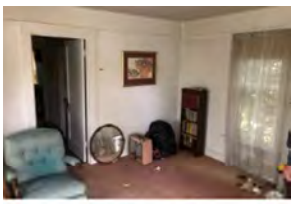
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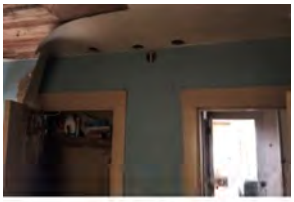
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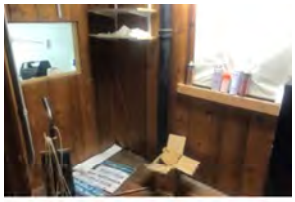
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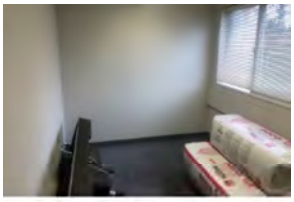
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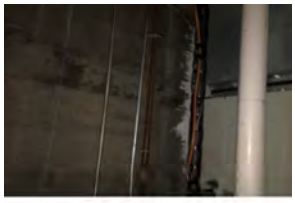
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IMG_1928

IMG_1929

IMG_1931

Rose Environmental

6715 Greenwood Avenue North
Seattle, WA 98103

Phone: 206.679.0699
www.roseenvironmental.com

April 5, 2023

Ms. Raven Imus
Program Coordinator
Kitsap County Facilities Maintenance
614 Division Street MS-7
Port Orchard, WA 98366
Phone: 360.337.7051
Email: rimus@co.kitsap.wa.us

Subject: Pre-Demolition Asbestos and Lead in Paints Inspection Report
Residence and Garage - 810 Sidney Avenue, Port Orchard, Washington

Dear Raven,

On March 23, 2023, Rose Environmental conducted a survey for suspect asbestos-containing materials and lead in paint coatings within the residence and garage buildings located at 810 Sidney Avenue in Port Orchard, Washington. The purpose of the inspection was to assess whether building materials contained asbestos or elevated lead in paints prior to a planned demolition project.

ASBESTOS SAMPLING – METHODS & RESULTS

Mr. Tyler Stevens, CSP, an EPA AHERA-accredited inspector from Rose Environmental, (Asbestos Inspector Certification #187430/ Certification Expiration Date: January 19, 2024), conducted the survey. Rose Environmental collected samples of suspect asbestos-containing materials; the samples were collected full depth to the surface of the underlying substrate.

Asbestos Laboratory Analysis

The bulk samples collected were submitted under strict chain of custody procedures to NVL Laboratories in Seattle, Washington, a qualified independent laboratory for analysis. The asbestos samples were analyzed using polarized light microscopy (PLM) with dispersion staining in accordance with US EPA method 600/R-93/116 as specified in 40 CFR Chapter I (7-1-93 edition) Part 763, Subpart F, Appendix A, pages 499-504. Polarizing light microscopy quantifies asbestos concentrations at between 100% and 1% detection levels. Levels below 1% can only be stated as "trace."

TABLE 1: ASBESTOS SAMPLING RESULTS				
Sample ID	**Material Description**	**Location**	**Asbestos Content**	**Estimated Quantity**
Asbestos Containing Materials				
810-A10	***Concealed Under Newer White "tile patterned" sheet vinyl and particleboard overlay in Kitchen & Under "wood-patterned" vinyl plank flooring in Living Room:*** **Green sheet vinyl with Black fibrous backing / Mastic / Black asphaltic felt**	**Kitchen / Living Room (*Underneath Uppermost Flooring Layers*)**	**3% Chrysotile Asbestos in the Concealed Green Sheet Vinyl Layer**	**~250 SF**
810-A14	***Concealed underneath carpet:*** **White "wood-patterned" sheet vinyl / Tan mastic**	**Main Floor SW Bedroom and Hallway**	**2% Chrysotile Asbestos in the Concealed White Sheet Vinyl Layer**	**~200 SF**
Non-Asbestos Containing Materials				
Garage				
810-A1	Black asphaltic shingles / Black asphaltic felt	Roof	NAD	NA
810-A2	Black asphaltic shingle treads w/ Brown granules	Exterior Stair Treads	NAD	NA
810-A3	Unpainted GWB system	Upper Floor	NAD	NA
810-A4	Tan caulk	Exterior Windows	NAD	NA
House				
810-A5	Wood-patterned vinyl plank flooring / Mastic (*see Sample A10 above for further info*)	Living Room	NAD	NA
810-A6	White skip-trowel textured plaster top coat / Grey plaster base coat / GWB base layer *Stop @ first positive result*	Living Room / SE Loft	NAD	NA
810-A7			NAD	NA
810-A8			NAD	NA
810-A9	White tile patterned sheet vinyl w/ Grey fibrous backing / Particleboard (*see Sample A10 above for further info*)	Kitchen	NAD	NA
810-A11	Grey VCB / Beige + Tan + Brown mastics / Joint compound		NAD	NA
810-A12	White-painted plaster top coat / White plaster base coat w/ Gold speckles *Stop @ first positive result*	Kitchen @ Chimney in SE Corner	NAD	NA
810-A13			NAD	NA
810-A14			NAD	NA
810-A15	White-painted plaster top coat / Grey plaster base coat *Stop @ first positive result*	Main Floor SW Bedroom	NAD	NA
810-A16			NAD	NA
810-A17			NAD	NA
810-A19	Tan mottled sheet vinyl w/ Black fibrous backing / Tan mastic	SE Loft	NAD	NA
810-A20	White tile-patterned sheet vinyl w/Grey fibrous backing / Mastic / Plywood / Tan & Green sheet vinyl / Tan mastic	Main Floor Bathroom	NAD	NA

Note: GWB = Gypsum Wallboard VCB = vinyl cove base NAD = No asbestos detected

TABLE 1: ASBESTOS SAMPLING RESULTS – CONTINUED…				
Sample ID	**Material Description**	**Location**	**Asbestos Content**	**Estimated Quantity**
Non-Asbestos Containing Materials				
810-A21	White-painted GWB system	Main Floor Bathroom	NAD	NA
810-A22	Tan 1' x 1' VCT / Mastic	North Exterior Utility Room	NAD	NA
810-A23	Painted ¼-inch GWB		NAD	NA
810-A24	Black asphaltic vapor barrier / Silver & White asphaltic vapor barrier	North Exterior Utility Room (Exterior walls)	NAD	NA
810-A25	White painted textured GWB system (corner)	Basement / Stairs	NAD	NA
810-A26	White painted textured GWB system (field)		NAD	NA
810-A27	Tan / White mastic under carpet	Basement	NAD	NA
810-A28	Tan / Red "tile-patterned" sheet vinyl w/ Grey fibrous backing / Mastic	Laundry / Basement Bathroom	NAD	NA
810-A29	Unpainted GWB system	HVAC Closet	NAD	NA
810-A30	White-painted CMU / Grey mortar	Basement Exterior Foundation	NAD	NA
810-A31	Brown-painted skim coat on wood	Stairs @ Ledge	NAD	NA

Note: GWB = Gypsum Wallboard CMU = Concrete Masonry Unit VCT = vinyl composition tile
VCB = vinyl cove base NAD = No asbestos detected

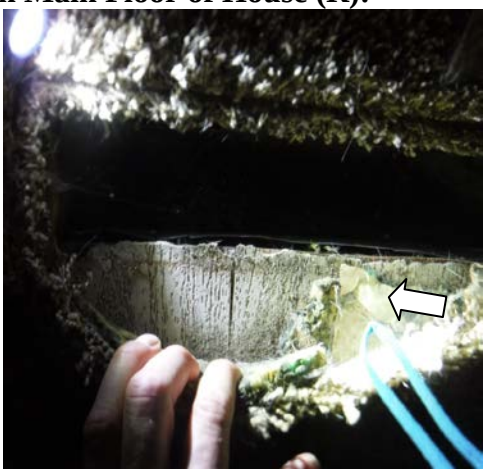
In summary, the survey and laboratory results revealed that:

A) Approximately 250 square feet of ***concealed*** **green sheet vinyl flooring,** as found below white tile-patterned sheet vinyl and particleboard overlay in the Kitchen and under brown "wood-patterned" vinyl plank flooring in the Living Room, **contained 3% chrysotile asbestos.**

B) Approximately 200 square feet of ***concealed*** **white "wood-patterned" sheet vinyl flooring,** as found below carpet in the Main Floor Southwest Bedroom and adjacent Hallway, **contained 2% chrysotile asbestos.**

Photos 1-3: Representative Photos of Green Sheet Vinyl (Under Vinyl Plank Flooring) in Living Room (L), White Sheet Vinyl over Plywood and Concealed Green Sheet Vinyl in Kitchen (C), and White "Wood-Patterned Sheet Vinyl in SW Bedroom and Hallway on Main Floor of House (R):





LEAD SAMPLING – METHODS & RESULTS

Rose Environmental collected a full-depth (to substrate) paint samples which might be disturbed as part of the demolition project. Bulk samples were submitted under strict chain of custody procedures to NVL Laboratories in Seattle, Washington, which is accredited by the American Industrial Hygiene Association (AIHA) Environmental Lead Accreditation Program.

TABLE 2: LEAD PAINT SAMPLING RESULTS

Sample ID	Description	Location	Lead Content (%)
810-A1	**White paint + layers on plaster walls and ceiling**	**Main Floor Southwest Bedroom**	**0.040**
810-A2	**White paint + layers on plaster walls and ceiling**	**Kitchen/Living Room**	**0.58**
810-A3	**Cream wall paint on GWB**	**North Exterior Utility Room**	**0.18**
810-A4	White textured paint on GWB	Basement	<0.0054
810-A5	Brown paint on wood	Stairwell Ledge	<0.017
810-A6	Green wood trim paint	Exterior Doors/Windows	<0.024
810-A7	**Light Green paint on wood threshold**	**North Exterior Utility Room**	**0.078**
810-A8	**Cream/Green paint on wood door trim**		**1.7**
810-A9	**White paint on wood door/trim**	**Main Floor Southwest Bedroom**	**0.057**

In summary, the survey and laboratory results revealed that the following paint materials sampled contained detectable amounts of lead:

1. White paint + layers, as found on the plaster walls and ceilings throughout the Main Floor, contained 0.040 to 0.58% lead.

2. Cream paint, as found on the GWB within the North Exterior Utility Room, contained 0.18% lead.

3. Light green paint, as found on the wood threshold within the North Exterior Utility Room, contained 0.078% lead.

4. Cream and green paint layers, as found on the wood trim/door within the North Exterior Utility Room, contained 1.7% lead.

5. White paint, as found on the wood trim/door within the Main Floor Southwest Bedroom contained 0.057% lead.

Photos 4-6: Representative Photos of Lead-Containing Paint on Wood Trim and Plaster Walls at Southwest Bedroom and Hall (L), and Cream Paint on GWB Walls (C), and on Wood Door and Trim Components at North Exterior Utility Room (R):

CONCLUSIONS

Asbestos

In summary, the results of Rose Environmental's March 23, 2023 asbestos inspection within the 810 Sidney Avenue Residence, confirmed asbestos content greater than one percent in concealed sheet vinyl flooring found below more recent vinyl flooring or carpet layers within the Kitchen, Living Room, Hallway, and Southwest Bedroom on the Main Floor (see above for details).

Asbestos-containing materials are required to be removed and disposed of in accordance with Washington State Regulations prior to any demolition, renovation, or remodeling that would disturb these materials. Washington State Department of Labor and Industries and PSCAA require that the abatement be performed using Certified Asbestos Workers under the direct on-site supervision of a Certified Asbestos Supervisor.

Lead in Paints

Disturbance of materials coated with lead-containing paint must be conducted in accordance with worker protection requirements in WAC 296-155, Lead in Construction. In addition, waste streams should be evaluated for lead content prior to disposal by EPA Toxicity Characteristic Leachate Procedure (TCLP) to ensure RCRA classifications are considered. Rose Environmental's paint survey is not intended to identify or mitigate lead dust hazards to residents (as required by EPA's Lead Renovation, Repair, and Painting (RRP) Program).

Limitations of Survey

Asbestos and lead paints inspections are non-comprehensive by nature and our assessment is limited to only those locations inspected and sampled. This survey was not designed to identify all potential concerns or eliminate all risk associated with abatement. No warranty, express or implied, is made. Rose Environmental LLC is not responsible for materials which require destructive means to access, or materials which are hidden from sight, those materials hidden

behind walls, or materials which cannot be found with reasonable diligence. Rose Environmental LLC performed this inspection in accordance with the generally accepted standards of care that exist in the industrial hygiene profession in Washington State at the time of this study.

It has been a pleasure assisting you with this assessment. Should you have any questions regarding this summary, feel free to contact me via phone or email.

Respectfully,

Tyler Stevens, CSP
Industrial Hygienist
Rose Environmental LLC

Reviewed by,

Martin Rose, CIH, CSP
Principal/Senior Consultant
Rose Environmental LLC

Attachments: NVL Lab Reports #2304731 (asbestos) & #2304730 (lead in paints)
Photographic Contact Sheets

March 30, 2023

Martin Rose
Rose Environmental
6715 Greenwood Ave. N
Seattle, WA 98107

RE: Bulk Asbestos Fiber Analysis; NVL Batch # 2304731.00

Client Project: 12497-8105-ASB
Location: N-A

Dear Mr. Rose,

Enclosed please find test results for the 31 sample(s) submitted to our laboratory for analysis on 3/24/2023.

Examination of these samples was conducted for the presence of identifiable asbestos fibers using polarized light microscopy (PLM) with dispersion staining in accordance with **U. S. EPA 40 CFR Appendix E to Subpart E of Part 763**, Interim Method for the Determination of Asbestos in Bulk Insulation Samples and **EPA 600/R-93/116**, Method for the Determination of Asbestos in Bulk Building Materials.

For samples containing more than one separable layer of materials, the report will include findings for each layer (labeled Layer 1 and Layer 2, etc. for each individual layer). The asbestos concentration in the sample is determined by calibrated visual estimation.

For those samples with asbestos concentrations between 1 and 10 percent based on visual estimation, the EPA recommends a procedure known as point counting (NESHAPS, 40 CFR Part 61). Point counting is a statistically more accurate means of quantification for samples with low concentrations of asbestos.

The detection limit for the calibrated visual estimation is <1%, 400 point counts is 0.25% and 1000 point counts is 0.1%

Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

Thank you for using our laboratory services. Please do not hesitate to call if there is anything further we can assist you with.

Sincerely,

Munaf Khan, Laboratory Director

NVLAP Testing
Lab Code: 102063-0

Enc.: Sample Results

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: Rose Environmental
Address: 6715 Greenwood Ave. N
Seattle, WA 98107

Attention: Mr. Martin Rose
Project Location: N-A

Batch #: 2304731.00
Client Project #: 12497-8105-ASB
Date Received: 3/24/2023
Samples Received: 31
Samples Analyzed: 31
Method: EPA/600/R-93/116

Lab ID: 23029530 **Client Sample #: 810-A1**
Location: N-A

Layer 1 of 2 **Description:** Black asphaltic material with mineral grains and granules

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Asphalt/Binder, Asphaltic Particles, Mineral grains Granules	Glass fibers 51%	**None Detected ND**

Layer 2 of 2 **Description:** Black asphaltic fibrous material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Asphalt/Binder, Asphaltic Particles	Cellulose 60%	**None Detected ND**

Lab ID: 23029531 **Client Sample #: 810-A2**
Location: N-A

Layer 1 of 1 **Description:** Black asphaltic material with mineral grains and granules

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Asphalt/Binder, Asphaltic Particles, Granules Mineral grains	Glass fibers 53%	**None Detected ND**

Lab ID: 23029532 **Client Sample #: 810-A3**
Location: N-A

Layer 1 of 1 **Description:** White chalky material with paper

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Fine particles, Gypsum/Binder, Fine grains	Cellulose 19%	**None Detected ND**
	Glass fibers 5%	

Lab ID: 23029533 **Client Sample #: 810-A4**
Location: N-A

Sampled by: Client
Analyzed by: Muhammad Yousuf **Date:** 03/28/2023
Reviewed by: Munaf Khan **Date:** 03/30/2023

Munaf Khan, Laboratory Director

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: Rose Environmental
Address: 6715 Greenwood Ave. N
Seattle, WA 98107

Attention: Mr. Martin Rose
Project Location: N-A

Batch #: 2304731.00
Client Project #: 12497-8105-ASB
Date Received: 3/24/2023
Samples Received: 31
Samples Analyzed: 31
Method: EPA/600/R-93/116

Layer 1 of 1	**Description:** Beige rubbery material			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Fine particles, Rubber/Binder, Wood flakes	Cellulose	9%	**None Detected ND**

Lab ID: 23029534 **Client Sample #: 810-A5**

Location: N-A

Layer 1 of 3	**Description:** Brown/black vinyl with wood pattern and adhesive			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Rubber/Binder, Fine particles, Adhesive/Binder	Cellulose	1%	**None Detected ND**
Layer 2 of 3	**Description:** Green linoleum			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Linoleum/Binder, Fine particles	Cellulose	22%	**None Detected ND**
Layer 3 of 3	**Description:** Black asphaltic fibrous backing with mastic and sandy material			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Asphaltic Particles, Mastic/Binder	Cellulose	42%	**None Detected ND**

Lab ID: 23029535 **Client Sample #: 810-A6**

Location: N-A

Layer 1 of 2	**Description:** White and gray cementitious material with paint			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Paint, Binder/Filler, Fine particles	Cellulose	12%	**None Detected ND**
	Quartz, Mineral grains, Granules	Wollastonite	5%	
	Wood flakes/fibers			
Layer 2 of 2	**Description:** White chalky material with wood chips and paper			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Fine particles, Gypsum/Binder, Wood chips	Cellulose	32%	**None Detected ND**

Sampled by: Client
Analyzed by: Muhammad Yousuf **Date:** 03/28/2023
Reviewed by: Munaf Khan **Date:** 03/30/2023

Munaf Khan, Laboratory Director

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: Rose Environmental
Address: 6715 Greenwood Ave. N
Seattle, WA 98107

Attention: Mr. Martin Rose
Project Location: N-A

Batch #: 2304731.00
Client Project #: 12497-8105-ASB
Date Received: 3/24/2023
Samples Received: 31
Samples Analyzed: 31
Method: EPA/600/R-93/116

Lab ID: 23029536 **Client Sample #: 810-A7**

Location: N-A

Layer 1 of 2 **Description:** White and gray cementitious material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Paint, Binder/Filler, Fine particles	Cellulose 13%	**None Detected ND**
Quartz, Mineral grains, Granules	Wollastonite 4%	
Wood flakes/fibers		

Layer 2 of 2 **Description:** White chalky material with wood chips and paper

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Fine particles, Gypsum/Binder, Wood chips	Cellulose 28%	**None Detected ND**
Fine grains		

Lab ID: 23029537 **Client Sample #: 810-A8**

Location: N-A

Layer 1 of 2 **Description:** White and gray cementitious material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Paint, Binder/Filler, Fine particles	Cellulose 14%	**None Detected ND**
Quartz, Mineral grains, Granules	Wollastonite 4%	
Wood flakes/fibers		

Layer 2 of 2 **Description:** White chalky material with wood chips and paper

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Fine particles, Gypsum/Binder, Wood chips	Cellulose 30%	**None Detected ND**
Fine grains		

Sampled by: Client
Analyzed by: Muhammad Yousuf **Date:** 03/28/2023
Reviewed by: Munaf Khan **Date:** 03/30/2023

Munaf Khan, Laboratory Director

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Project Location: N-A

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Samples Analyzed: 31
Method: EPA/600/R-93/116

Lab ID: 23029538 **Client Sample #: 810-A9**

Location: N-A

Layer 1 of 2	**Description:** White sheet vinyl			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Vinyl/Binder, Fine particles	None Detected	ND	**None Detected ND**
Layer 2 of 2	**Description:** Gray paper backing with soaked in tan mastic			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Fine particles, Mastic/Binder, Wood chips	Cellulose	60%	**None Detected ND**
		Glass fibers	12%	

Lab ID: 23029539 **Client Sample #: 810-A10**

Location: N-A

Layer 1 of 3	**Description:** Off-white vinyl tile			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Vinyl/Binder, Fine particles, Fine grains	None Detected	ND	**Chrysotile 3%**
Layer 2 of 3	**Description:** Tan brittle mastic with black asphaltic mastic			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Asphaltic Particles, Mastic/Binder	Cellulose	3%	**None Detected ND**
Layer 3 of 3	**Description:** Black asphaltic fibrous backing with brown mastic			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Asphaltic Particles, Mastic/Binder, Wood flakes	Cellulose	44%	**None Detected ND**

Lab ID: 23029540 **Client Sample #: 810-A11**

Location: N-A

Layer 1 of 4	**Description:** Gray rubbery material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Fine particles, Rubber/Synthetic Binder	None Detected	ND	**None Detected ND**

Sampled by: Client
Analyzed by: Muhammad Yousuf **Date:** 03/28/2023
Reviewed by: Munaf Khan **Date:** 03/30/2023

Munaf Khan, Laboratory Director

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Attention: Mr. Martin Rose
Project Location: N-A

Batch #: 2304731.00
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Date Received: 3/24/2023
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Method: EPA/600/R-93/116

Layer 2 of 4	**Description:** White brittle mastic			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Fine particles, Mastic/Binder	Cellulose	2%	**None Detected ND**
Layer 3 of 4	**Description:** Brown brittle mastic			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Fine particles, Mastic/Binder, Fine grains	Cellulose	3%	**None Detected ND**
		Wollastonite	2%	
Layer 4 of 4	**Description:** White sandy material with paint			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Paint, Binder/Filler, Fine particles	Cellulose	<1%	**None Detected ND**

Lab ID: 23029541 **Client Sample #: 810-A12**
Location: N-A

Layer 1 of 1	**Description:** White sandy material with multi-colored of paint			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Paint, Binder/Filler, Fine particles	Cellulose	1%	**None Detected ND**
	Perlite, Fine grains			

Lab ID: 23029542 **Client Sample #: 810-A13**
Location: N-A

Layer 1 of 1	**Description:** White sandy material with multi-colored of paint			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Paint, Binder/Filler, Fine particles	Cellulose	4%	**None Detected ND**
	Perlite, Fine grains, Wood fibers			

Lab ID: 23029543 **Client Sample #: 810-A14**
Location: N-A

Sampled by: Client
Analyzed by: Muhammad Yousuf **Date:** 03/28/2023
Reviewed by: Munaf Khan **Date:** 03/30/2023

Munaf Khan, Laboratory Director

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

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Attention: Mr. Martin Rose
Project Location: N-A

Batch #: 2304731.00
Client Project #: 12497-8105-ASB
Date Received: 3/24/2023
Samples Received: 31
Samples Analyzed: 31
Method: EPA/600/R-93/116

Layer 1 of 1 **Description:** White sandy material with multi-colored of paint

Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
Paint, Binder/Filler, Fine particles	Cellulose	1%	**None Detected ND**
Perlite, Fine grains			

Lab ID: 23029544 **Client Sample #: 810-A15**

Location: N-A

Layer 1 of 1 **Description:** White and gray cementitious material with paint

Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
Paint, Binder/Filler, Fine particles	Cellulose	9%	**None Detected ND**
Mineral grains, Granules, Gravel	Wollastonite	2%	
Wood fibers			

Lab ID: 23029545 **Client Sample #: 810-A16**

Location: N-A

Layer 1 of 1 **Description:** White and gray cementitious material with paint

Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
Paint, Binder/Filler, Fine particles	Cellulose	7%	**None Detected ND**
Mineral grains, Granules, Gravel	Wollastonite	3%	
Wood fibers			

Lab ID: 23029546 **Client Sample #: 810-A17**

Location: N-A

Layer 1 of 1 **Description:** White and gray cementitious material with paint

Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
Paint, Binder/Filler, Fine particles	Cellulose	8%	**None Detected ND**
Mineral grains, Granules, Gravel	Wollastonite	2%	

Sampled by: Client
Analyzed by: Muhammad Yousuf **Date:** 03/28/2023
Reviewed by: Munaf Khan **Date:** 03/30/2023

Munaf Khan, Laboratory Director

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Project Location: N-A

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Client Project #: 12497-8105-ASB
Date Received: 3/24/2023
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Samples Analyzed: 31
Method: EPA/600/R-93/116

Wood fibers

Lab ID: 23029547 **Client Sample #: 810-A18**
Location: N-A

Layer 1 of 2 **Description:** Off-white vinyl tile with deep beige speckles

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Vinyl/Binder, Fine particles, Fine grains	Wollastonite <1%	**Chrysotile 2%**

Layer 2 of 2 **Description:** Tan adhesive

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Fine particles, Adhesive/Binder	Cellulose 3%	**None Detected ND**

Lab ID: 23029548 **Client Sample #: 810-A19**
Location: N-A

Layer 1 of 2 **Description:** Tan linoleum with green speckles

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Linoleum/Binder, Fine particles	Cellulose 18%	**None Detected ND**

Layer 2 of 2 **Description:** Black asphaltic fibrous backing with brown mastic and sandy material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Asphaltic Particles, Mastic/Binder	Cellulose 43%	**None Detected ND**

Lab ID: 23029549 **Client Sample #: 810-A20**
Location: N-A

Layer 1 of 4 **Description:** White sheet vinyl

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Vinyl/Binder, Fine particles	None Detected ND	**None Detected ND**

Layer 2 of 4 **Description:** Beige paper backing with soaked in tan mastic

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Fine particles, Mastic/Binder	Cellulose 28%	**None Detected ND**

Sampled by: Client
Analyzed by: Muhammad Yousuf **Date:** 03/28/2023
Reviewed by: Munaf Khan **Date:** 03/30/2023

Munaf Khan, Laboratory Director

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Bulk Asbestos Fibers Analysis

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Attention: Mr. Martin Rose
Project Location: N-A

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Client Project #: 12497-8105-ASB
Date Received: 3/24/2023
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Method: EPA/600/R-93/116

			Synthetic fibers 22%	
			Glass fibers 14%	
Layer 3 of 4	**Description:** White vinyl tile with covering white/green sheet			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Vinyl/Binder, Fine particles, Fine grains	None Detected ND		**None Detected ND**
Layer 4 of 4	**Description:** Tan adhesive with sandy material			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Fine particles, Adhesive/Binder, Wood flakes	Cellulose 22%		**None Detected ND**

Lab ID: 23029550 **Client Sample #: 810-A21**
Location: N-A

Layer 1 of 2	**Description:** White compacted powdery material with paper			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Binder/Filler, Fine particles, Fine grains	Cellulose 34%		**None Detected ND**
		Wollastonite 6%		
Layer 2 of 2	**Description:** White chalky material with paper			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Fine particles, Gypsum/Binder, Fine grains	Cellulose 19%		**None Detected ND**

Lab ID: 23029551 **Client Sample #: 810-A22**
Location: N-A

Layer 1 of 2	**Description:** Tan/white vinyl tile with debris			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Vinyl/Binder, Fine particles, Fine grains	Cellulose 2%		**None Detected ND**
		Wollastonite <1%		

Sampled by: Client
Analyzed by: Muhammad Yousuf **Date:** 03/28/2023
Reviewed by: Munaf Khan **Date:** 03/30/2023

Munaf Khan, Laboratory Director

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Method: EPA/600/R-93/116

Layer 2 of 2	**Description:** Tan adhesive with dust			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Fine particles, Adhesive/Binder	Cellulose	4%	**None Detected ND**

Lab ID: 23029552 **Client Sample #: 810-A23**
Location: N-A

Layer 1 of 1	**Description:** White chalky material with paper and paint			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Paint, Fine particles, Gypsum/Binder	Cellulose	19%	**None Detected ND**
		Glass fibers	4%	

Lab ID: 23029553 **Client Sample #: 810-A24**
Location: N-A

Layer 1 of 3	**Description:** Brown fibrous material with paint,silver plastic sheet and adhesive			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Paint, Fine particles, Adhesive/Binder	Cellulose	55%	**None Detected ND**
	Plastic			
Layer 2 of 3	**Description:** Tan/brown fibrous material			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Binder/Filler, Fine particles	Cellulose	87%	**None Detected ND**
Layer 3 of 3	**Description:** Black asphaltic fibrous felt			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Binder/Filler, Asphaltic Particles	Cellulose	65%	**None Detected ND**

Lab ID: 23029554 **Client Sample #: 810-A25**
Location: N-A

Sampled by: Client
Analyzed by: Muhammad Yousuf **Date:** 03/28/2023
Reviewed by: Munaf Khan **Date:** 03/30/2023

Munaf Khan, Laboratory Director

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Date Received: 3/24/2023
Samples Received: 31
Samples Analyzed: 31
Method: EPA/600/R-93/116

Layer 1 of 3	**Description:** White compacted powdery material with paint			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Paint, Calcareous binder, Fine particles	Cellulose	<1%	**None Detected ND**
Layer 2 of 3	**Description:** White compacted powdery material with paper			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Binder/Filler, Fine particles	Cellulose	32%	**None Detected ND**
Layer 3 of 3	**Description:** White chalky material with paper			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Fine particles, Gypsum/Binder	Cellulose	18%	**None Detected ND**

Lab ID: 23029555 **Client Sample #: 810-A26**
Location: N-A

Layer 1 of 2	**Description:** White compacted texture material with paint			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Paint, Calcareous binder, Fine particles	Cellulose	1%	**None Detected ND**
Layer 2 of 2	**Description:** White chalky material with paper			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Fine particles, Gypsum/Binder, Fine grains	Cellulose	17%	**None Detected ND**

Lab ID: 23029556 **Client Sample #: 810-A27**
Location: N-A

Layer 1 of 1	**Description:** Tan brittle mastic with paint and fibers			
	Non-Fibrous Materials:	Other Fibrous Materials:%		**Asbestos Type: %**
	Paint, Fine particles, Mastic/Binder	Cellulose	14%	**None Detected ND**
	Wood fibers	Synthetic fibers	2%	

Lab ID: 23029557 **Client Sample #: 810-A28**
Location: N-A

Sampled by: Client
Analyzed by: Muhammad Yousuf **Date:** 03/28/2023
Reviewed by: Munaf Khan **Date:** 03/30/2023

Munaf Khan, Laboratory Director

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Samples Analyzed: 31
Method: EPA/600/R-93/116

Layer 1 of 2	**Description:** White sheet vinyl			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Vinyl/Binder, Fine particles, Synthetic foam	None Detected	ND	**None Detected ND**
Layer 2 of 2	**Description:** Beige paper backing with soaked in mastic			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Fine particles, Mastic/Binder	Cellulose	49%	**None Detected ND**
		Glass fibers	16%	

Lab ID: 23029558 **Client Sample #: 810-A29**
Location: N-A

Layer 1 of 2	**Description:** White compacted texture material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Calcareous binder, Fine particles	Cellulose	1%	**None Detected ND**
Layer 2 of 2	**Description:** Off-white chalky material with paper			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Fine particles, Gypsum/Binder, Fine grains	Cellulose	21%	**None Detected ND**
		Glass fibers	4%	

Lab ID: 23029559 **Client Sample #: 810-A30**
Location: N-A

Layer 1 of 1	**Description:** Gray cementitious material with paint			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Paint, Cement/Binder, Fine particles	Cellulose	4%	**None Detected ND**
	Mineral grains, Granules, Gravel	Wollastonite	1%	

Lab ID: 23029560 **Client Sample #: 810-A31**
Location: N-A

Sampled by: Client
Analyzed by: Muhammad Yousuf **Date:** 03/28/2023
Reviewed by: Munaf Khan **Date:** 03/30/2023

Munaf Khan, Laboratory Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 40 CFR Appendix E to Subpart E of Part 763 with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: Rose Environmental
Address: 6715 Greenwood Ave. N
Seattle, WA 98107

Attention: Mr. Martin Rose
Project Location: N-A

Batch #: 2304731.00
Client Project #: 12497-8105-ASB
Date Received: 3/24/2023
Samples Received: 31
Samples Analyzed: 31
Method: EPA/600/R-93/116

Layer 1 of 1 **Description:** Tan brittle material with mastic and brown/white paint

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Paint, Fine particles, Mastic/Binder	Cellulose 2%	**None Detected ND**

Sampled by: Client
Analyzed by: Muhammad Yousuf **Date:** 03/28/2023
Reviewed by: Munaf Khan **Date:** 03/30/2023

Munaf Khan, Laboratory Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 40 CFR Appendix E to Subpart E of Part 763 with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

ASBESTOS LABORATORY SERVICES

Company Rose Environmental
Address 6715 Greenwood Ave. N
Seattle, WA 98107
Project Manager Mr. Martin Rose
Phone (206) 679-0699

NVL Batch Number **2304731.00**
TAT 5 Days **AH** No
Rush TAT
Due Date 3/31/2023 **Time** 8:00 AM
Email roseenv@gmail.com
Fax (206) 279-1756

Project Name/Number: 12497-8105-ASB **Project Location:** N-A

Subcategory PLM Bulk
Item Code ASB-02 EPA 600/R-93-116 Asbestos by PLM <bulk>

Total Number of Samples 31 Rush Samples

	Lab ID	Sample ID	Description	A/R
1	23029530	810-A1		A
2	23029531	810-A2		A
3	23029532	810-A3		A
4	23029533	810-A4		A
5	23029534	810-A5		A
6	23029535	810-A6	Stop at first positive	A
7	23029536	810-A7	***	A
8	23029537	810-A8	***	A
9	23029538	810-A9		A
10	23029539	810-A10		A
11	23029540	810-A11		A
12	23029541	810-A12	Stop at first positive	A
13	23029542	810-A13	***	A
14	23029543	810-A14	***	A
15	23029544	810-A15	Stop at first positive	A
16	23029545	810-A16	***	A
17	23029546	810-A17	***	A
18	23029547	810-A18		A

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

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Kelly AuVu		NVL	3/24/23	800
Analyzed by	Muhammad Yousuf		NVL	3/28/23	
Results Called by					
☐ **Faxed** ☐ **Emailed**					

Special Instructions:

Date: 3/24/2023
Time: 11:18 AM
Entered By: Kelly AuVu

ASBESTOS LABORATORY SERVICES

Company	Rose Environmental	**NVL Batch Number**	**2304731.00**
Address	6715 Greenwood Ave. N Seattle, WA 98107	**TAT**	5 Days **AH** No
		Rush TAT	
Project Manager	Mr. Martin Rose	**Due Date**	3/31/2023 **Time** 8:00 AM
Phone	(206) 679-0699	**Email**	roseenv@gmail.com
		Fax	(206) 279-1756

Project Name/Number: 12497-8105-ASB **Project Location:** N-A

Subcategory PLM Bulk

Item Code ASB-02 EPA 600/R-93-116 Asbestos by PLM <bulk>

Total Number of Samples 31 Rush Samples

	Lab ID	Sample ID	Description	A/R
19	23029548	810-A19		A
20	23029549	810-A20		A
21	23029550	810-A21		A
22	23029551	810-A22		A
23	23029552	810-A23		A
24	23029553	810-A24		A
25	23029554	810-A25		A
26	23029555	810-A26		A
27	23029556	810-A27		A
28	23029557	810-A28		A
29	23029558	810-A29		A
30	23029559	810-A30		A
31	23029560	810-A31		A

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

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Kelly AuVu		NVL	3/24/23	800
Analyzed by	Muhammad Yousuf		NVL	3/28/23	
Results Called by					
☐ **Faxed** ☐ **Emailed**					

Special Instructions:

Date: 3/24/2023
Time: 11:18 AM
Entered By: Kelly AuVu

CHAIN of CUSTODY SAMPLE LOG

2304731

LABORATORY • MANAGEMENT • TRAINING

Client: Rose Environmental
Street: 6715 Greenwood Ave. N
Seattle, WA 98107
Project Manager: Mr. Martin Rose
Project Location:
Phone: (206) 679-0699 Fax: (206) 279-1756

NVL Batch Number:
Client Job Number: 12497-810S-ASB
Total Samples: 31
Turn Around Time: ☐ 1 Hr ☐ 6 Hrs ☐ 3 Days ☐ 10 Days ☐ 2 Hrs ☐ 1 Day ☐ 4 Days ☐ 4 Hrs ☐ 2 Days ☒ 5 Days
Please call for TAT less than 24 Hrs
Email address: roseenv@gmail.com

☐ Asbestos Air	☐ PCM (NIOSH 7400)	☐ TEM (NIOSH 7402)	☐ TEM (AHERA)	☐ TEM (EPA Level II)	☐ Other	
☒ Asbestos Bulk	☒ PLM (EPA/600/R-93/116)	☐ PLM (EPA Point Count)	☐ PLM (EPA Gravimetry)	☐ TEM BULK		
☐ Mold/Fungus	☐ Mold Air	☐ Mold Bulk	☐ Rotometer Calibration			

METALS	Det. Limit	Matrix		RCRA Metals	☐ All 8	Other Metals
☐ Total Metals	☐ FAA (ppm)	☐ Air Filter	☐ Paint Chips in %	☐ Arsenic (As)	☐ Lead (Pb)	☐ All 3
☐ TCLP	☐ ICP (ppm)	☐ Drinking water	☐ Paint Chips in cm2	☐ Barium (Ba)	☐ Mercury (Hg)	☐ Copper (Cu)
☐ Cr 6	☐ GFAA (ppb)	☐ Dust/wipe (Area)	☐ Waste Water	☐ Cadmium (Cd)	☐ Selenium (Se)	☐ Nickel (Ni)
	☐ CVAA (ppb)	☐ Soil	☐ Other	☐ Chromium (Cr)	☐ Silver (Ag)	☐ Zinc (Zn)

☐ Other Types of Analysis: ☐ Fiberglass ☐ Nuisance Dust ☐ Other (Specify) ☐ Silica ☐ Respirable Dust

Condition of Package: ☐ Good ☐ Damaged (no spillage) ☐ Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments (e.g Sample are, Sample Volume, etc)	A/R
1		810 - A1		
2		A2		
3		A3		
4		A4		
5		A5		
6		A6	A6 - A8 Stop @ First Positive Result	
7		A7		
8		A8		
9		A9		
10		A10		
11		A11		
12		A12	A12 - A14 Stop @ First Positive	
13		A13		
14		A14		
15		A15	A15 - A17 Stop @ 1st Positive	

	Print Below	Sign Below	Company	Date	Time
Sampled by	T. S		Rose Env	3/23/23	15:30
Relinquished by					
Received by	Kellyallen		NVL	3/24/23	8:00
Analyzed by					
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.
Please composite all wall board samples

CHAIN of CUSTODY SAMPLE LOG

2304731

LABORATORY • MANAGEMENT • TRAINING

Client: Rose Environmental
Street: 6715 Greenwood Ave. N
Seattle, WA 98107
Project Manager: Mr. Martin Rose
Project Location:
Phone: (206) 679-0699 Fax: (206) 279-1756

NVL Batch Number:
Client Job Number: 12497 - 810S - ASB
Total Samples: 31
Turn Around Time: ☐ 1 Hr ☐ 2 Hrs ☐ 4 Hrs ☐ 6 Hrs ☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 4 Days ☒ 5 Days ☐ 10 Days
Please call for TAT less than 24 Hrs
Email address: roseenv@gmail.com

☐ Asbestos Air	☐ PCM (NIOSH 7400)	☐ TEM (NIOSH 7402)	☐ TEM (AHERA)	☐ TEM (EPA Level II)	☐ Other	
☒ Asbestos Bulk	☒ PLM (EPA/600/R-93/116)	☐ PLM (EPA Point Count)	☐ PLM (EPA Gravimetry)	☐ TEM BULK		
☐ Mold/Fungus	☐ Mold Air	☐ Mold Bulk	☐ Rotometer Calibration			

METALS	Det. Limit	Matrix		RCRA Metals		Other Metals
☐ Total Metals	☐ FAA (ppm)	☐ Air Filter	☐ Paint Chips in %	☐ Arsenic (As)	☐ All 8	☐ All 3
☐ TCLP	☐ ICP (ppm)	☐ Drinking water	☐ Paint Chips in cm2	☐ Barium (Ba)	☐ Lead (Pb)	☐ Copper (Cu)
☐ Cr 6	☐ GFAA (ppb)	☐ Dust/wipe (Area)	☐ Waste Water	☐ Cadmium (Cd)	☐ Mercury (Hg)	☐ Nickel (Ni)
	☐ CVAA (ppb)	☐ Soil	☐ Other	☐ Chromium (Cr)	☐ Selenium (Se)	☐ Zinc (Zn)
					☐ Silver (Ag)	

☐ Other Types of Analysis: ☐ Fiberglass ☐ Silica ☐ Nuisance Dust ☐ Respirable Dust ☐ Other (Specify) _____

Condition of Package: ☐ Good ☐ Damaged (no spillage) ☐ Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments (e.g Sample are, Sample Volume, etc)	A/R
1		810 - A16	* A15 - A17 Stop @ 1st Positive	
2		A17		
3		A18		
4		A19		
5		A20		
6		A21		
7		A22		
8		A23		
9		A24		
10		A25		
11		A26		
12		A27		
13		A28		
14		A29		
15		A30		

	Print Below	Sign Below	Company	Date	Time
Sampled by	T. S.		Rose Env	3/23/23	1830
Relinquished by					
Received by	Kenneth		NVL	3/24/23	800AM
Analyzed by					
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.
Please composite all wall board samples

CHAIN of CUSTODY SAMPLE LOG

2304731

Client: Rose Environmental
Street: 6715 Greenwood Ave. N
Seattle, WA 98107
Project Manager: Mr. Martin Rose
Project Location:
Phone: (206) 679-0699 Fax: (206) 279-1756

NVL Batch Number:
Client Job Number: 12497 - 8105 - ASB
Total Samples: 31
Turn Around Time: ☐ 1 Hr ☐ 6 Hrs ☐ 3 Days ☐ 10 Days ☐ 2 Hrs ☐ 1 Day ☐ 4 Days ☐ 4 Hrs ☐ 2 Days ☒ 5 Days
Please call for TAT less than 24 Hrs
Email address: roseenv@gmail.com

☐ Asbestos Air	☐ PCM (NIOSH 7400)	☐ TEM (NIOSH 7402)	☐ TEM (AHERA)	☐ TEM (EPA Level II)	☐ Other	
☒ Asbestos Bulk	☒ PLM (EPA/600/R-93/116)	☐ PLM (EPA Point Count)	☐ PLM (EPA Gravimetry)	☐ TEM BULK		
☐ Mold/Fungus	☐ Mold Air	☐ Mold Bulk	☐ Rotometer Calibration			

METALS	Det. Limit	Matrix		RCRA Metals		Other Metals
☐ Total Metals	☐ FAA (ppm)	☐ Air Filter	☐ Paint Chips in %	☐ Arsenic (As)	☐ All 8	☐ All 3
☐ TCLP	☐ ICP (ppm)	☐ Drinking water	☐ Paint Chips in cm2	☐ Barium (Ba)	☐ Lead (Pb)	☐ Copper (Cu)
☐ Cr 6	☐ GFAA (ppb)	☐ Dust/wipe (Area)	☐ Waste Water	☐ Cadmium (Cd)	☐ Mercury (Hg)	☐ Nickel (Ni)
	☐ CVAA (ppb)	☐ Soil	☐ Other	☐ Chromium (Cr)	☐ Selenium (Se)	☐ Zinc (Zn)
					☐ Silver (Ag)	

☐ Other Types of Analysis: ☐ Fiberglass ☐ Nuisance Dust ☐ Other (Specify) _____ ☐ Silica ☐ Respirable Dust

Condition of Package: ☐ Good ☐ Damaged (no spillage) ☐ Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments (e.g Sample are, Sample Volume, etc)	A/R
1		810-A31		
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	T S		Rose Env	3/23/23	1830
Relinquished by					
Received by	Kumaden		NVL	3/24/23	8am
Analyzed by					
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.
Please composite all wall board samples

March 28, 2023

Martin Rose
Rose Environmental
6715 Greenwood Ave. N
Seattle, WA 98107

NVL Batch # 2304730.00

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

Client Project: 12497-8105-Pb
Location: N-A

Dear Mr. Rose,

NVL Labs received 9 sample(s) for the said project on 3/24/2023. Preparation of these samples was conducted following protocol outlined in EPA 3051/7000B , unless stated otherwise. Analysis of these samples was performed using analytical instruments in accordance with EPA 7000B Lead by FAA <paint>. The results are usually expressed in mg/Kg and percentage (%). Test results are not blank corrected.

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

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

Sincerely,

Shalini Patel, Manager Metals Lab

Enc.: Sample results

Analysis Report

Total Lead (Pb)

Client: Rose Environmental
Address: 6715 Greenwood Ave. N
Seattle, WA 98107

Attention: **Mr. Martin Rose**
Project Location: N-A

Batch #: 2304730.00
Matrix: Paint
Method: EPA 3051/7000B
Client Project #: 12497-8105-Pb
Date Received: 3/24/2023
Samples Received: 9
Samples Analyzed: 9

Lab ID	Client Sample #	Sample Weight (g)	RL in mg/Kg	Results in mg/Kg	Results in percent
23029521	810-L1	0.1894	53	400	0.040
23029522	810-L2	0.1945	51	5800	0.58
23029523	810-L3	0.1818	55	1800	0.18
23029524	810-L4	0.1842	54	< 54	< 0.0054
23029525	810-L5	0.0592	170	< 170	< 0.017
23029526	810-L6	0.0425	240	< 240	< 0.024
23029527	810-L7	0.2035	49	780	0.078
23029528	810-L8	0.1852	54	17000	1.7
23029529	810-L9	0.1877	53	570	0.057

Comments: Small sample size (<0.05g) for 810-L6

Sampled by: Client
Analyzed by: Yasuyuki Hida
Reviewed by: Shalini Patel
Date Analyzed: 03/24/2023
Date Issued: 03/28/2023

Shalini Patel, Manager Metals Lab

mg/ Kg =Milligrams per kilogram
Percent = Milligrams per kilogram / 10000
RL = Reporting Limit
'<' = Below the reporting Limit
Note : Method QC results are acceptable unless stated otherwise.
Unless otherwise indicated, the condition of all samples was acceptable at time of receipt.

Bench Run No: 2023-0324-04
FAA-02

LEAD LABORATORY SERVICES

Company	Rose Environmental	**NVL Batch Number**	**2304730.00**
Address	6715 Greenwood Ave. N Seattle, WA 98107	**TAT** 5 Days **AH** No **Rush TAT**	
Project Manager	Mr. Martin Rose	**Due Date** 3/29/2023 **Time** 8:00 AM	
Phone	(206) 679-0699	**Email** roseenv@gmail.com	
		Fax (206) 279-1756	

Project Name/Number: 12497-8105-Pb **Project Location:** N-A

Subcategory Flame AA (FAA)

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

Total Number of Samples 9 Rush Samples

	Lab ID	Sample ID	Description	A/R
1	23029521	810-L1		A
2	23029522	810-L2		A
3	23029523	810-L3		A
4	23029524	810-L4		A
5	23029525	810-L5		A
6	23029526	810-L6		A
7	23029527	810-L7		A
8	23029528	810-L8		A
9	23029529	810-L9		A

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

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Kelly AuVu		NVL	3/24/23	800
Analyzed by	Yasuyuki Hida		NVL	3/24/23	
Results Called by					
☐ **Faxed** ☐ **Emailed**					

Special Instructions:

Date: 3/24/2023
Time: 11:15 AM
Entered By: Kelly AuVu

CHAIN of CUSTODY
SAMPLE LOG

2304730

Client Rose Environmental
Street 6715 Greenwood Ave. N
Seattle, WA 98107

NVL Batch Number
Client Job Number 12497-8105-Pb
Total Samples 9
Turn Around Time ☐ 1 Hr ☐ 6 Hrs ☐ 3 Days ☐ 10 Days ☐ 2 Hrs ☐ 1 Day ☐ 4 Days ☐ 4 Hrs ☐ 2 Days ☒ 5 Days
Please call for TAT less than 24 Hrs

Project Manager Mr. Martin Rose
Project Location

Phone: (206) 679-0699 Fax: (206) 279-1756
Email address roseenv@gmail.com

☐ Asbestos Air | ☐ PCM (NIOSH 7400) ☐ TEM (NIOSH 7402) ☐ TEM (AHERA) ☐ TEM (EPA Level II) ☐ Other
☐ Asbestos Bulk | ☐ PLM (EPA/600/R-93/116) ☐ PLM (EPA Point Count) ☐ PLM (EPA Gravimetry) ☐ TEM BULK
☐ Mold/Fungus | ☐ Mold Air ☐ Mold Bulk | ☐ Rotometer Calibration

METALS	Det. Limit	Matrix		RCRA Metals		Other Metals
☒ Total Metals	☒ FAA (ppm)	☐ Air Filter	☒ Paint Chips in %	☐ Arsenic (As)	☐ All 8	☐ All 3
☐ TCLP	☐ ICP (ppm)	☐ Drinking water	☐ Paint Chips in cm2	☐ Barium (Ba)	☒ Lead (Pb)	☐ Copper (Cu)
☐ Cr 6	☐ GFAA (ppb)	☐ Dust/wipe (Area)	☐ Waste Water	☐ Cadmium (Cd)	☐ Mercury (Hg)	☐ Nickel (Ni)
	☐ CVAA (ppb)	☐ Soil	☐ Other	☐ Chromium (Cr)	☐ Selenium (Se)	☐ Zinc (Zn)
					☐ Silver (Ag)	

☐ Other Types of Analysis | ☐ Fiberglass ☐ Nuisance Dust ☐ Other (Specify) ☐ Silica ☐ Respirable Dust

Condition of Package: ☐ Good ☐ Damaged (no spillage) ☐ Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments (e.g Sample are, Sample Volume, etc)	A/R
1		810 - L1		
2		L2		
3		L3		
4		L4		
5		L5		
6		L6		
7		L7		
8		L8		
9		L9		
10				
11				
12				
13				
14				
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	T. S.		Rose Env	3/23/23	18:30
Relinquished by					
Received by	Kumazen		NVL	3/24/23	8:00
Analyzed by					
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.
Please composite all wall board samples


DSCF1062

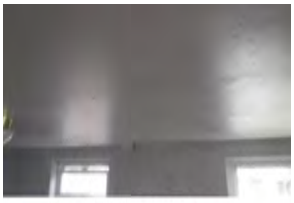

DSCF1063


DSCF1064


DSCF1065


DSCF1066


DSCF1067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DSCF1069


DSCF1070


DSCF1071

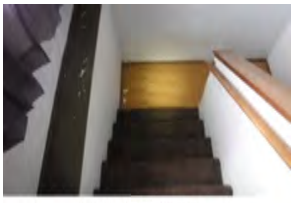

DSCF1072


DSCF1073


DSCF1074


DSCF1075


DSCF1076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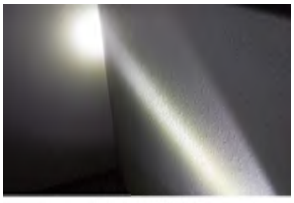
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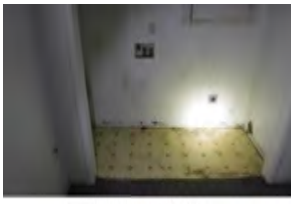
DSCF1079


DSCF1080


DSCF1081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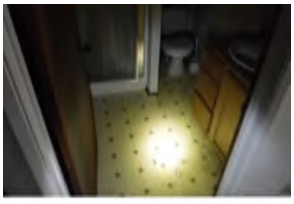
DSCF1083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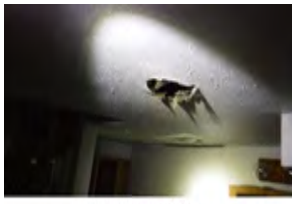
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DSCF1088


DSCF1089


DSCF1090


DSCF1091


DSCF1092


DSCF1093


DSCF1094


DSCF1095


DSCF1096

DSCF1097

DSCF1098

DSCF1099