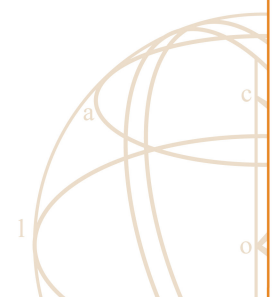


MEMORANDUM

DATE July 20, 2020
TO Patti Johnson, Kittitas County
FROM Ryan K. Mathews, CIH, CHMM, Fulcrum Environmental Consulting, Inc.
RE Inspection Results Unit 23
SUBJECT Shady Brook Mobile Village, Ellensburg, WA

On July 10, 2020, Hannah Lascano and Roque Reyes, both with Fulcrum Environmental Consulting, Inc. (Fulcrum), completed an inspection for Hazardous Building Materials (HBM) of Unit 23 located within the Shady Brook Mobile Village. The enclosed summary presents the findings of the inspection for asbestos containing materials (ACM), lead containing materials (LCM), lighting and electrical components (LEC), and refrigerant containing systems (RCS) in Unit 23.

In general, Fulcrum's inspection found the black adhesive associated with the white rolled on roofing material to be asbestos containing. The waste characterization of the structure reported below the toxicity criteria provided in WAC 173-303: Dangerous Waste.





Appendix AH.1
Building Summary
Unit 23



Shady Brook Mobile Village Hazardous Building Materials Summary – Unit 23

On July 10, 2020, Hannah Lascano and Roque Reyes returned to Shady Brook Mobile Village to inspect one unit within the Shady Brook Mobile Village for Hazardous Building Materials (HBM). This report contains the HBM Summary for Unit 23. There were no deviations from the project scope of work.

1.0 Building Narrative

Unit 23 is an approximately 615 square-foot manufactured mobile home consisting of a living room, three bedrooms, a bathroom, and a kitchen.

The exterior of the structure is constructed with wood framing beneath metal sheet siding. The roof is composed of a white rolled on roofing material with black adhesive over metal roof. The interior of the unit consists of a combination of wood walls and fiberboard panel ceilings, and a combination of sheet vinyl and carpet floor coverings.

2.0 Inspection Limitations

Fulcrum's inspection consisted of site inspections, material sampling, sample analysis, and reporting. All HBM inspection tasks were completed by accredited, certified, or qualified professionals. Fulcrum did not dismantle onsite equipment to determine if potentially hazardous material components were present. The sampling of the building was completed as per the limitations expressed in the contract.

Results are specific to the time and day of inspection and may not reflect conditions at other times. Fulcrum makes no warranties, expressed or implied as to the accuracy or completeness of other's work included herein. Fulcrum has performed these services in accordance with generally accepted industry standards of care at the time of the inspection. No warranty, expressed or implied, is made.

3.0 Asbestos Containing Materials Summary

Fulcrum collected 30 samples of suspect ACM for laboratory analysis. See Appendix AH.2 for sample locations. See Appendix AH.3 for ACM laboratory analysis.

3.1 Homogenous Materials Identified During the Inspection

The following summary presents the homogenous areas identified during the inspection by AHERA material classification. Following the homogeneous area general description is the associated abbreviations used during sample collection and reported in summary tables:

SUR: The AHERA accredited Building Inspector did not classify the following suspected ACMs as surfacing materials and assigned the associated homogenous abbreviation.

TSI: The AHERA accredited Building Inspector classified the following suspected ACMs as thermal



system insulation materials and assigned the associated homogenous abbreviation:

MSC: The AHERA accredited Building Inspector classified the following suspected ACMs as miscellaneous materials and assigned the associated homogenous abbreviation:

- RFM – Roofing Material
- WP – Window Putty
- SVF – Sheet Vinyl Flooring
- CT – Ceiling Tile
- DP – Door Putty

3.2 Assumed Materials

The following materials assumed to be ACM are based on historic analysis, construction documentation, manufacturers’ labels, appearance, or inspector’s expertise. See Section 5.3.2 in the body of report for assumed Non-ACM.

- Fulcrum did not assume any materials to be ACM within Unit 23, during the time of the inspection.

3.3 Materials Identified as ACM

ACM is defined by state and federal regulations as any material that contains greater than 1% asbestos. Table 1 is a summary of asbestos containing materials.

Table 1: Asbestos Containing Materials Summary Table

Sample Number	Index	Material	Location	Comment
71020-025 71020-026 71020-027	RFM-01	White rolled on roofing material with black adhesive	Roof	5% Chrysotile in black adhesive

The black adhesive is located over the metal roof of Unit 23.

3.4 Materials Identified With Less than 1% ACM

The following materials were shown through laboratory analysis to contain less than one percent (1%) asbestos fibers.

- No materials were identified with materials less than 1% asbestos.

4.0 Lead Containing Materials

Fulcrum collected two paint chip samples to be analyzed for lead. Laboratory analysis identified the paints to be lead containing. Table 3 is a summary of paint chip analysis. Sample results shown in **Bold** represent analytical results greater than 600 mg/Kg for total lead and a potential worker protection concern. See



Appendix AH.4 for paint chip laboratory results.

Table 3: Paint Chip Summary Table

Sample Number	Location	Paint Color	Reporting Limit (mg/Kg)	Results (mg/Kg)
U23PC-01	Metal Siding	White/Blue	430	<430
U23PC-02	Wood Wall	Purple	68	<68

4.1 Waste Characterization

Fulcrum collected five sub samples of building materials to construct one composite sample for waste characterization for leachable lead. Composite samples from Unit 23 reported at <0.5 milligrams per liter (mg/L), registering below the waste characterization of 5.0 mg/L, Under WAC 173-303: Dangerous Waste. As such, the composite waste stream can be managed as solid waste. See Section 6.3.4 in the body of report for waste characterization summary results.

5.0 Lighting and Electrical Component Summary

Fulcrum's visual inspection identified the following potential hazardous lighting and electrical components:

- Compact Florescent Lamps: 1

6.0 Refrigerant Containing System Summary

As a part of the scope of work, Fulcrum conducted an inspection for refrigerant containing systems within Unit 21. Fulcrum's visual inspection identified the following refrigerant containing systems:

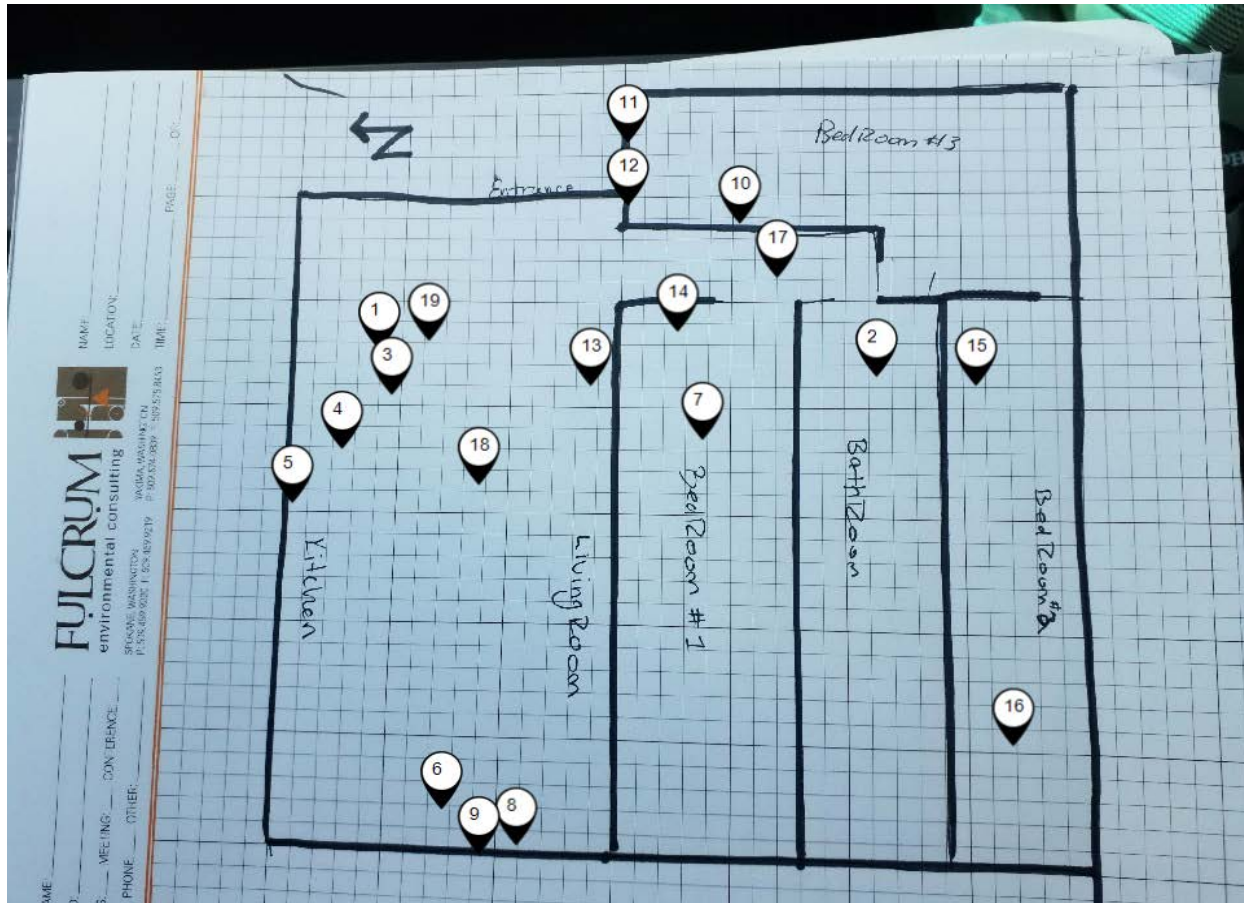
- Refrigerator: 1
- Air Conditioning unit: 1



Appendix AH.2
Sample Location Figures



AH.2.1 ACM Sample Location Map – Unit 23 Interior



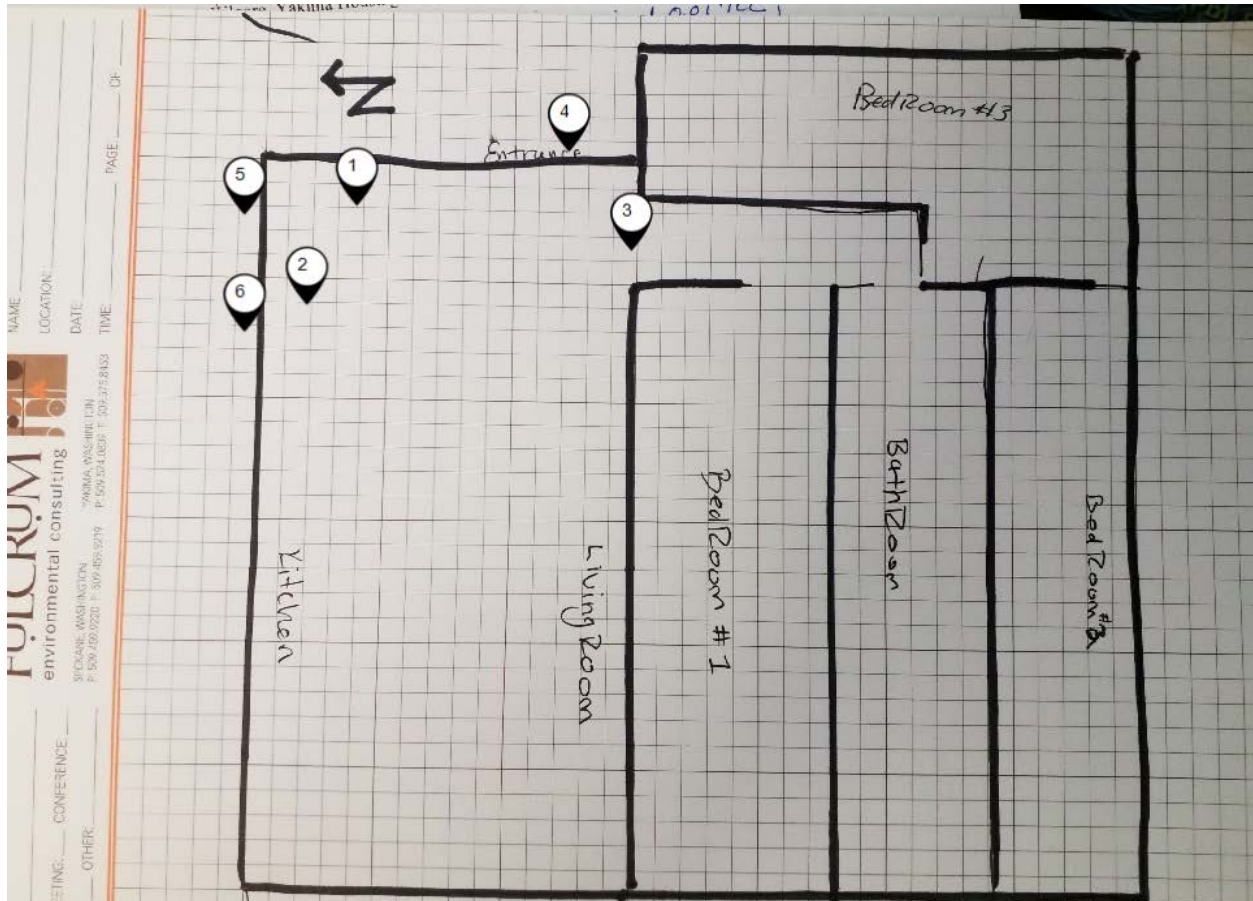
Map ID	Sample ID	Index	Location	Material
19	71020-001	SVF-01	Kitchen	Tan sheet vinyl flooring with black adhesive
1	71020-002	SVF-01	Kitchen	Tan sheet vinyl flooring with black adhesive
2	71020-003	SVF-01	Bathroom	Tan sheet vinyl flooring with black adhesive
3	71020-004	SVF-02	Kitchen	Pink sheet vinyl flooring with black adhesive
3	71020-005	SVF-02	Kitchen	Pink sheet vinyl flooring with black adhesive
4	71020-006	SVF-02	Kitchen	Pink sheet vinyl flooring with black adhesive
5	71020-007	SVF-03	Kitchen	Tan cobblestone pattern sheet vinyl flooring with black adhesive
6	71020-008	SVF-03	Living Room	Tan cobblestone pattern sheet vinyl flooring with black adhesive



Map ID	Sample ID	Index	Location	Material
7	71020-009	SVF-03	Bedroom 1	Tan cobblestone pattern sheet vinyl flooring with black adhesive
8	71020-010	WP-01	Living Room	White window putty on living room windows
8	71020-011	WP-01	Living Room	White window putty on living room windows
9	71020-012	WP-01	Living Room	White window putty on living room windows
10	71020-013	DP-01	Bedroom 3	White door putty over insulation on the east facing door
10	71020-014	DP-01	Bedroom 3	White door putty over insulation on the east facing door
10	71020-015	DP-01	Bedroom 3	White door putty over insulation on the east facing door
11	71020-016	DP-02	Bedroom 3	White door putty on north facing door
11	71020-017	DP-02	Bedroom 3	White door putty on north facing door
12	71020-018	DP-02	Bedroom 3	White door putty on north facing door
13	71020-019	MSC-01	Living Room	White sealant under floor vents
14	71020-020	MSC-01	Bedroom 1	White sealant under floor vents
15	71020-021	MSC-01	Bedroom 2	White sealant under floor vents
16	71020-022	CT-01	Bedroom 2	White fiberboard ceiling material
17	71020-023	CT-01	Hallway	White fiberboard ceiling material
18	71020-024	CT-01	Living Room	White fiberboard ceiling material



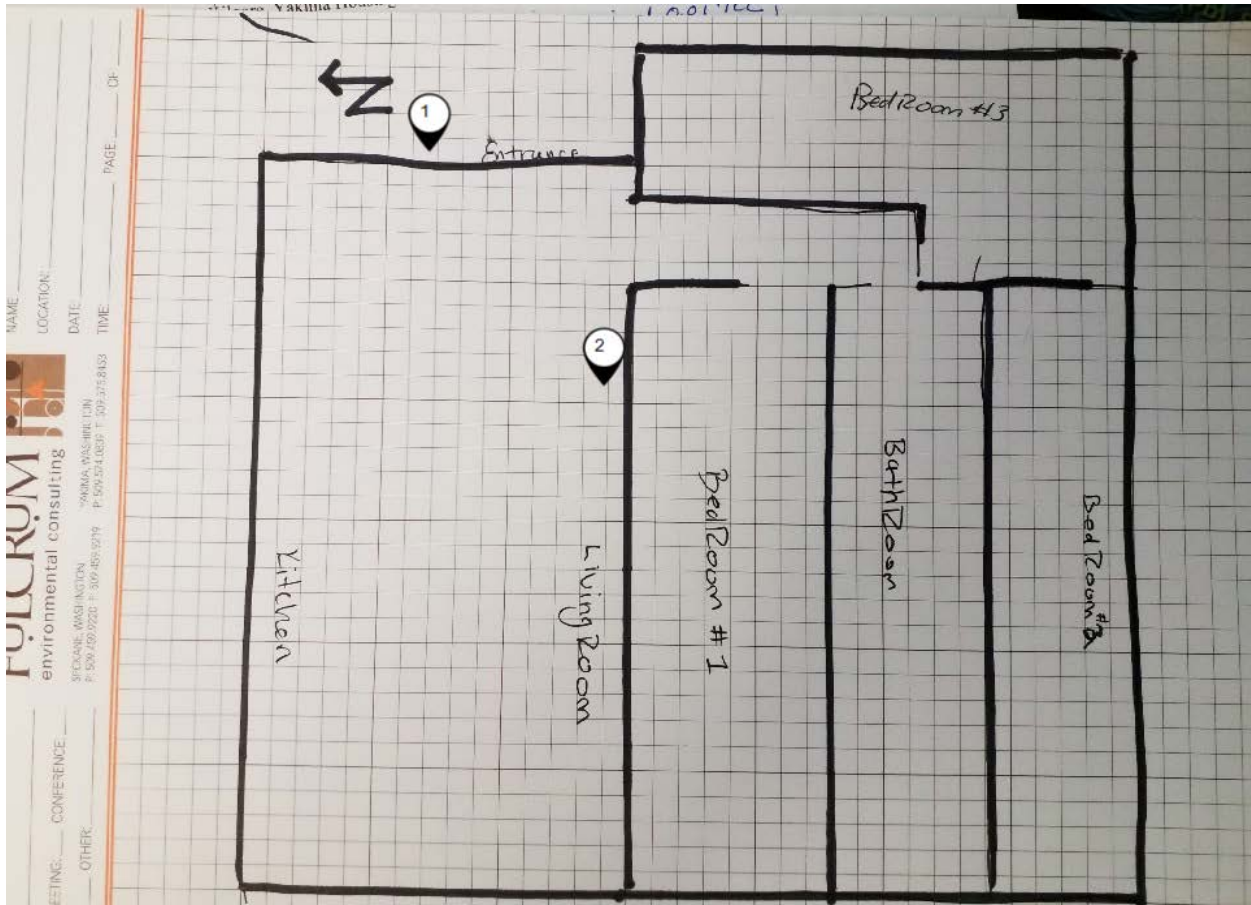
AH.2.2 ACM Sample Location Map – Unit 23 Exterior



Map ID	Sample ID	Index	Location	Material
1	71020-025	RFM-01	Roof	White rolled on roofing material over silver layer over black adhesive
2	71020-026	RFM-01	Roof	White rolled on roofing material over silver layer over black adhesive
3	71020-027	RFM-01	Roof	White rolled on roofing material over silver layer over black adhesive
4	71020-028	RFM-02	Roof	White/black sealant along edges of roof
5	71020-029	RFM-02	Roof	White/black sealant along edges of roof
6	71020-030	RFM-02	Roof	White/black sealant along edges of roof



AH.2.3 Paint Chip Sample Location Map – Unit 23



Map ID	Sample ID	Location	Color	Substrate
1	U23PC-01	Unit 23	Blue/White	Metal
2	U23PC-02	Unit 23	Purple	Wood



Appendix AH.3
Asbestos Table, Analytical



Asbestos Laboratory Results Summary: Unit 23

Sample ID	Index	Description	Sample Location ¹	# Layers	ACM Layers	Comment	>1% ACM	Condition	Friability	<1% ACM
71020-001	SVF-01	Tan sheet vinyl flooring with black adhesive	Kitchen	1	-	-	No	Good	Non-Friable	No
71020-002	SVF-01	Tan sheet vinyl flooring with black adhesive	Kitchen	1	-	-	No	Good	Non-Friable	No
71020-003	SVF-01	Tan sheet vinyl flooring with black adhesive	Bathroom	1	-	-	No	Good	Non-Friable	No
71020-004	SVF-02	Pink sheet vinyl flooring with black adhesive	Kitchen	1	-	-	No	Good	Non-Friable	No
71020-005	SVF-02	Pink sheet vinyl flooring with black adhesive	Kitchen	1	-	-	No	Good	Non-Friable	No
71020-006	SVF-02	Pink sheet vinyl flooring with black adhesive	Kitchen	1	-	-	No	Good	Non-Friable	No
71020-007	SVF-03	Tan cobblestone pattern sheet vinyl flooring with black adhesive	Kitchen	1	-	-	No	Good	Non-Friable	No
71020-008	SVF-03	Tan cobblestone pattern sheet vinyl flooring with black adhesive	Living room	1	-	-	No	Good	Non-Friable	No
71020-009	SVF-03	Tan cobblestone pattern sheet vinyl flooring with black adhesive	Bedroom 1	1	-	-	No	Good	Non-Friable	No
71020-010	WP-01	White window putty on living room windows	Living room	1	-	-	No	Good	Non-Friable	No
71020-011	WP-01	White window putty on living room windows	Living room	1	-	-	No	Good	Non-Friable	No
71020-012	WP-01	White window putty on living room windows	Living room	1	-	-	No	Good	Non-Friable	No
71020-013	DP-01	White door putty over insulation on the east facing door	Bedroom 3	2	-	-	No	Good	Non-Friable	No
71020-014	DP-01	White door putty over insulation on the east facing door	Bedroom 3	2	-	-	No	Good	Non-Friable	No
71020-015	DP-01	White door putty over insulation on the east facing door	Bedroom 3	2	-	-	No	Good	Non-Friable	No
71020-016	DP-02	White door putty on north facing door	Bedroom 3	1	-	-	No	Good	Non-Friable	No
71020-017	DP-02	White door putty on north facing door	Bedroom 3	1	-	-	No	Good	Non-Friable	No
71020-018	DP-02	White door putty on north facing door	Bedroom 3	1	-	-	No	Good	Non-Friable	No
71020-019	MSC-01	White sealant under floor vents	Living room	1	-	-	No	Good	Non-Friable	No
71020-020	MSC-01	White sealant under floor vents	Bedroom 1	1	-	-	No	Good	Non-Friable	No
71020-021	MSC-01	White sealant under floor vents	Bedroom 2	1	-	-	No	Good	Non-Friable	No
71020-022	CT-01	White fiberboard ceiling material	Bedroom 2	1	-	-	No	Good	Non-Friable	No
71020-023	CT-01	White fiberboard ceiling material	Hallway	1	-	-	No	Good	Non-Friable	No
71020-024	CT-01	White fiberboard ceiling material	Living room	1	-	-	No	Good	Non-Friable	No
71020-025	RFM-01	White rolled on roofing material over silver layer over black adhesive	Roof	4	1	5% Chrysotile in black adhesive	Yes	Good	Non-Friable	No
71020-026	RFM-01	White rolled on roofing material over silver layer over black adhesive	Roof	NA	NA	<i>Refer to sample 71020-025 for sample analysis</i>	Yes	Good	Non-Friable	No
71020-027	RFM-01	White rolled on roofing material over silver layer over black adhesive	Roof	NA	NA	<i>Refer to sample 71020-025 for sample analysis</i>	Yes	Good	Non-Friable	No
71020-028	RFM-02	White/Black sealant along edges of roof	Roof	1	-	-	No	Good	Non-Friable	No
71020-029	RFM-02	White/Black sealant along edges of roof	Roof	1	-	-	No	Good	Non-Friable	No
71020-030	RFM-02	White/Black sealant along edges of roof	Roof	1	-	-	No	Good	Non-Friable	No

1. Locations identified in the table reflect locations sampled and may not represent all locations identified material



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NVLAP LAB CODE 500097-0

Client:
 Fulcrum Environmental Consulting
 406 North 2nd Street
 Yakima, WA 98901
 Attn: Ryan Matthews

Certificate of Analysis

Project Name: 172177.06 Unit 23 Interior

Project ID: 20027751

Date Collected: 07/10/20
 Date Received: 07/13/20
 Date Analyzed: 07/14/20
 Date Reported: 07/14/20
 Job ID:

Test Requested: **Asbestos Bulk Analysis, Polarized Light Microscopy (PLM)**; EPA 600/R-93/116; Method for Asbestos in Bulk Building Materials, EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method for Asbestos in Bulk Insulation Samples

Client	Sample Identification		Physical Description of Sample/Layer	Homo- geneous (Y/N)	Layer Percentage	Asbestos		Non-Asbestos			Matrix Material Composition
	Lab Sample Number					Asbestos Detected	Asbestos Percentage	Non-Asbestos Fiber Percentage	Non-Fibrous Material Percentage		
71020-001	20027751-001		Tan/Black Sheet Flooring W/Yellow Adhesive	N	100	ND	ND	5	95		B,SYN
71020-002	20027751-002		Tan/Black Sheet Flooring W/Yellow Adhesive	N	100	ND	ND	5	95		B,SYN
71020-003	20027751-003		Tan/Black Sheet Flooring W/Yellow Adhesive	N	100	ND	ND	5	95		B,SYN
71020-004	20027751-004		Beige/Black Sheet Flooring W/Yellow Adhesive	N	100	ND	ND		100		B
71020-005	20027751-005		Beige/Black Sheet Flooring W/Yellow Adhesive	N	100	ND	ND		100		B
71020-006	20027751-006		Beige/Black Sheet Flooring W/Yellow Adhesive	N	100	ND	ND		100		B
71020-007	20027751-007		Tan/Metallic Sheet Flooring W/Green Fibrous Backing and Brown Adhesive	N	100	ND	ND	20	80		B
71020-008	20027751-008		Tan/Metallic Sheet Flooring W/Green Fibrous Backing and Brown Adhesive	N	100	ND	ND	20	80		B
71020-009	20027751-009		Tan/Metallic Sheet Flooring W/Green Fibrous Backing and Brown Adhesive	N	100	ND	ND	20	80		B
71020-010	20027751-010		White Caulk	N	100	ND	ND		100		B

A Amosite
AC Actinolite
AN Anthophyllite
CHRY Chrysotile
CR Crocidolite
TR Tremolite
Trace Less Than 1%
ND None Detected

CELL Cellulose
MW Mineral Wool
FBG Fiberglass
SYN Synthetic
WO Wollastonite
FT Fibrous Talc
AH Animal Hair
NAC Non-Asbestiform AC
NTR Non-Asbestiform TR

Q Quartz
C Carbonates
G Gypsum
M Mica
T Tar
P Perlite
B Binder
D Diatoms

Aaron Agajanian
 Asbestos Laboratory Supervisor

Elvira Meister
 Analyst



NVLAP LAB CODE 500097-0



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Client	Sample Identification		Physical Description of Sample/Layer	Homo- geneous (Y/N)	Layer Percentage	Asbestos			Non-Asbestos			Matrix Material Composition
	Lab Sample Number					Asbestos Detected	Asbestos Percentage	Non-Asbestos Fiber Percentage	Non-Fibrous Material Percentage			
71020-011	20027751-011		White Caulk	N	100	ND			100			B
71020-012	20027751-012		White Caulk	N	100	ND			100			B
71020-013	20027751-013-A		Tan Insulation	N	35	ND		98	2			CELL
	20027751-013-B		White Caulk	N	65	ND			100			B
71020-014	20027751-014-A		Tan Insulation W/White Paint	N	40	ND		95	5			CELL
	20027751-014-B		White Caulk	N	60	ND			100			B
71020-015	20027751-015-A		Tan Insulation	N	30	ND		98	2			CELL
	20027751-015-B		White Caulk	N	70	ND			100			B
71020-016	20027751-016		White Caulk	N	100	ND			100			B
71020-017	20027751-017		White Caulk	N	100	ND			100			C,B

A Amosite
AC Actinolite
AN Anthophyllite
CHRY Chrysotile
CR Crocidolite
TR Tremolite
Trace Less Than 1%
ND None Detected

Q Quartz
C Carbonates
G Gypsum
M Mica
T Tar
P Perlite
B Binder
D Diatoms

CELL Cellulose
MW Mineral Wool
FBG Fiberglass
SYN Synthetic
WO Wollastonite
FT Fibrous Talc
AH Animal Hair
NAC Non-Asbestiform AC
NTR Non-Asbestiform TR

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Client	Sample Identification		Physical Description of Sample/Layer	Homo- geneous (Y/N)	Layer Percentage	Asbestos			Non-Asbestos			Matrix Material Composition
	Lab Sample Number					Asbestos Detected	Asbestos Percentage	Non-Asbestos Fiber Percentage	Non-Fibrous Material Percentage			
71020-018	20027751-018		White Caulk W/Tan Wood Grain	N	100	ND	ND		100			B
71020-019	20027751-019		Light Gray Sealant	N	100	ND	ND	Trace	100			B
71020-020	20027751-020		White Sealant W/Metallic Foil	N	100	ND	ND		100			B
71020-021	20027751-021		Light Gray Sealant	N	100	ND	ND	Trace	100			B
71020-022	20027751-022		White/Brown Fiberboard	N	100	ND	ND	95	5			CELL
71020-023	20027751-023		White/Brown Fiberboard	N	100	ND	ND	95	5			CELL
71020-024	20027751-024		White/Brown Fiberboard	N	100	ND	ND	95	5			CELL

A Amosite
 AC Actinolite
 AN Anthophyllite
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 ND None Detected

Q Quartz
 C Carbonates
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 M Mica
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 B Binder
 D Diatoms

CELL Cellulose
 MW Mineral Wool
 FBG Fiberglass
 SYN Synthetic
 WO Wollastonite
 FT Fibrous Talc
 AH Animal Hair
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Client	Sample Identification		Physical Description of Sample/Layer	Homo- geneous (Y/N)	Layer Percentage	Asbestos			Non-Asbestos			Matrix Material Composition
	Lab Sample Number					Asbestos Detected	Asbestos Percentage	Non-Asbestos Fiber Percentage	Non-Fibrous Material Percentage			
71020-025	20027751-025-A		White Resinous Material	N	8	ND			100			B
	20027751-025-B		Black Adhesive	N	17	CHRY	5		95			T,B
	20027751-025-C		Gray Sealant	N	30	ND			100			B
	20027751-025-D		Silver Roofing Material	N	45	ND			3	97		T,B
71020-026	20027751-026											Positive Stop
71020-027	20027751-027											Positive Stop
71020-028	20027751-028		Light/Dark Gray Sealant	N	100	ND		1	99			B
71020-029	20027751-029		Light/Dark Gray Sealant	N	100	ND		Trace	100			B
71020-030	20027751-030		Light/Dark Gray Sealant	N	100	ND		1	99			B

A Amosite
 AC Actinolite
 AN Anthophyllite
 CHRY Chrysotile
 CR Crocidolite
 TR Tremolite
 Trace Less Than 1%
 ND None Detected

Q Quartz
 C Carbonates
 G Gypsum
 M Mica
 T Tar
 P Perlite
 B Binder
 D Diatoms

CELL Cellulose
 MW Mineral Wool
 FBG Fiberglass
 SYN Synthetic
 WO Wollastonite
 FT Fibrous Talc
 AH Animal Hair
 NAC Non-Asbestiform AC
 NTR Non-Asbestiform TR

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Attn: Ryan Matthews

Certificate of Analysis

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General Notes

- * **ND** indicates no asbestos was detected; the method detection limit is 1%.
- * **Trace** or "<1" indicates asbestos was identified in the sample, but the concentration is less than 1%.
- * All regulated asbestos minerals (i.e. chrysotile, amosite, crocidolite, anthophyllite, tremolite, and actinolite) were sought in every layer of each sample, but only those asbestos minerals detected are listed. Amosite is the common name for the asbestiform variety of the minerals cummingtonite and grunerite. Crocidolite is the common name used for the asbestiform variety of the mineral riebeckite.
- * Tile, vinyl, foam, plastic, and fine powder samples may contain asbestos fibers of such small diameter (< 0.25 microns in diameter) that these fibers cannot be detected by PLM. For such samples, more sensitive analytical methods (e.g. TEM, SEM, and XRD) are recommended if greater certainty about asbestos content is required. Semi-quantitative bulk TEM floor tile analysis is accepted under NESHAP regulations.
- * These results are submitted pursuant to Aerobiology Laboratory Associates, Inc.'s current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions. No responsibility or liability is assumed for the manner in which the results are used or interpreted.
- * Unless notified in writing to return the samples covered by this report, Aerobiology Laboratory Associates, Inc. will store the samples for a minimum period of thirty (30) days before discarding. A shipping and handling charge will be assessed for the return of any samples.
- * Aerobiology does not guarantee the results of tape lifts, microvacs, wipe, and/or debris samples. Accurate analysis cannot be performed due to particle size, media used, and/or amount of material given. Analysis of these materials should be performed by a TEM. A result of ND does not indicate that the sample area does not contain asbestos. It means the analyst could not identify asbestos in the specific sample for the reasons listed above.

Notes Required by NVLAP

- * Aerobiology Laboratory shall be responsible for all the information provided in the report, except when information is provided by the customer. Aerobiology Laboratory is not responsible for the sampling activity.
- * This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.
- * This test report relates only to the items tested or calibrated.
- * This report is not valid unless it bears the name of a NVLAP-approved signatory.
- * Any reproduction of this document must include the entire document in order for the report to be valid.



~~ZWJJ7S~~

20027751
7/13/2020



Fulcrum Environmental Consulting, Inc.
406 North 2nd Street
Yakima, Washington 98901

Chain of Custody

Project: 172177.06
Site Location: Unit 23 Interior
1200 East University Way
Kittitas, Washington 98926
Sampled By: Roque Reyes (Roque.Reyes@fulcrum.net)
Purpose: Hazardous Building Materials Inspection

Turn-Around Time Request

3-5 Days

Laboratory Notes

Stop after first positive for each HM

Samples

Sample ID	Material	Floor / Section	Space	Analysis
71020-001	SVF-01 - Tan sheet vinyl flooring with black adhesive	Interior	Kitchen	3002 - PLM Bulk Count (EPA Method 600/R93/116)
71020-002	SVF-01 - Tan sheet vinyl flooring with black adhesive	Interior	Kitchen	3002 - PLM Bulk Count (EPA Method 600/R93/116)
71020-003	SVF-01 - Tan sheet vinyl flooring with black adhesive	Interior	Bathroom	3002 - PLM Bulk Count (EPA Method 600/R93/116)
71020-004	SVF-02 - Pink sheet vinyl flooring with black adhesive	Interior	Kitchen	3002 - PLM Bulk Count (EPA Method 600/R93/116)
71020-005	SVF-02 - Pink sheet vinyl flooring with black adhesive	Interior	Kitchen	3002 - PLM Bulk Count (EPA Method 600/R93/116)
71020-006	SVF-02 - Pink sheet vinyl flooring with black adhesive	Interior	Kitchen	3002 - PLM Bulk Count (EPA Method 600/R93/116)

Fulcrum Environmental Consulting, Inc. - Chain of Custody For Kittitas County
Unit 23 Interior - 172177.06

~~X Kurado # not valid.~~
Per Client Process w/out Kurado 7/13/20 KO

20027751

7/13/2020

71020-007	SVF-03 - Tan cobblestone pattern sheet vinyl flooring with black adhesive	Interior	Kitchen	3002 - PLM Bulk Count (EPA Method 600/R93/116)
71020-008	SVF-03 - Tan cobblestone pattern sheet vinyl flooring with black adhesive	Interior	Living room	3002 - PLM Bulk Count (EPA Method 600/R93/116)
71020-009	SVF-03 - Tan cobblestone pattern sheet vinyl flooring with black adhesive	Interior	Bedroom 1	3002 - PLM Bulk Count (EPA Method 600/R93/116)
71020-010	WP-01 - white window putty on living room windows	Interior	Living room	3002 - PLM Bulk Count (EPA Method 600/R93/116)
71020-011	WP-01 - white window putty on living room windows	Interior	Living room	3002 - PLM Bulk Count (EPA Method 600/R93/116)
71020-012	WP-01 - white window putty on living room windows	Interior	Living room	3002 - PLM Bulk Count (EPA Method 600/R93/116)
71020-013	DP-01 - White door putty over insulation on the east facing door	Interior	Bedroom 3	3002 - PLM Bulk Count (EPA Method 600/R93/116)
71020-014	DP-01 - White door putty over insulation on the east facing door	Interior	Bedroom 3	3002 - PLM Bulk Count (EPA Method 600/R93/116)
71020-015	DP-01 - White door putty over insulation on the east facing door	Interior	Bedroom 3	3002 - PLM Bulk Count (EPA Method 600/R93/116)
71020-016	DP-02 - White door putty on north facing door	Interior	Bedroom 3	3002 - PLM Bulk Count (EPA Method 600/R93/116)
71020-017	DP-02 - White door putty on north facing door	Interior	Bedroom 3	3002 - PLM Bulk Count (EPA Method 600/R93/116)
71020-018	DP-02 - White door putty on north facing door	Interior	Bedroom 3	3002 - PLM Bulk Count (EPA Method 600/R93/116)
71020-019	MSC-01 - White sealant under floor vents	Interior	Living room	3002 - PLM Bulk Count (EPA Method 600/R93/116)

20027751



7/13/2020

71020-020	MSC-01 - White sealant under floor vents	Interior	Bedroom 1	3002 - PLM Bulk Count (EPA Method 600/R93/116)
71020-021	MSC-01 - White sealant under floor vents	Interior	Bedroom 2	3002 - PLM Bulk Count (EPA Method 600/R93/116)
71020-022	CT-01 - White fiberboard ceiling material	Interior	Bedroom 2	3002 - PLM Bulk Count (EPA Method 600/R93/116)
71020-023	CT-01 - White fiberboard ceiling material	Interior	Hallway	3002 - PLM Bulk Count (EPA Method 600/R93/116)
71020-024	CT-01 - White fiberboard ceiling material	Interior	Living room	3002 - PLM Bulk Count (EPA Method 600/R93/116)
71020-025	RFM-01 - White rolled on roofing material over silverlayer over black adhesive	Exterior	Roof	3002 - PLM Bulk Count (EPA Method 600/R93/116)
71020-026	RFM-01 - White rolled on roofing material over silverlayer over black adhesive	Exterior	Roof	3002 - PLM Bulk Count (EPA Method 600/R93/116)
71020-027	RFM-01 - White rolled on roofing material over silverlayer over black adhesive	Exterior	Roof	3002 - PLM Bulk Count (EPA Method 600/R93/116)
71020-028	RFM-02 - White/Black sealant along edges of roof	Exterior	Roof	3002 - PLM Bulk Count (EPA Method 600/R93/116)
71020-029	RFM-02 - White/Black sealant along edges of roof	Exterior	Roof	3002 - PLM Bulk Count (EPA Method 600/R93/116)
71020-030	RFM-02 - White/Black sealant along edges of roof	Exterior	Roof	3002 - PLM Bulk Count (EPA Method 600/R93/116)

20027751

7/13/2020

Sampled By		Date	7.10.20	Time	11:00
------------	---	------	---------	------	-------

Received By		Date	7.10.20	Time	1:00
Relinquished By		Date	7.10.20	Time	1:00

Analysis By	_____	Date	_____	Time	_____
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Received By		Date	7.13.20	Time	1P
Relinquished By	_____	Date	_____	Time	_____

Received By	_____	Date	_____	Time	_____
Relinquished By	_____	Date	_____	Time	_____

ALL SAMPLES ACCEPTABLE
INIT/DATE KC 7.13.20



Appendix AH.4
Paint Chip Analytical

July 16, 2020

Roque Reyes

Fulcrum Environmental Consulting, Inc.-Y

406 N. 2nd Street
Yakima, WA 98901



NVL Batch # 2011797.00

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

Client Project: 172177.06

Location: Unit 23 Interior 1200 East University Way Kittitas, Washington 98926

Dear Mr. Reyes,

NVL Labs received 2 sample(s) for the said project on 7/13/2020. 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,

Nick Ly, Technical Director



Enc.: Sample results



Phone: 206 547.0100 | Fax: 206 634.1936 | Toll Free: 1.888.NVL.LABS (685.5227)
4708 Aurora Avenue North | Seattle, WA 98103-6516

Analysis Report

Total Lead (Pb)

Client: Fulcrum Environmental Consulting, Inc.-Y
Address: 406 N. 2nd Street
Yakima, WA 98901

Attention: Mr. Roque Reyes

Project Location: Unit 23 Interior 1200 East University Way Kittitas, Washington
98926



Batch #: 2011797.00

Matrix: Paint
Method: EPA 3051/7000B
Client Project #: 172177.06
Date Received: 7/13/2020
Samples Received: 2
Samples Analyzed: 2

Lab ID	Client Sample #	Sample Weight (g)	RL in mg/Kg	Results in mg/Kg	Results in percent
20081936	U23PC-01	0.0116	430	< 430	<0.043
20081937	U23PC-02	0.1468	68	< 68	<0.0068

Comments: Small sample size(<.05g) for U23PC-01

Sampled by: Client

Analyzed by: Shalini Patel

Reviewed by: Nick Ly

Date Analyzed: 07/16/2020

Date Issued: 07/16/2020

Nick Ly, Technical Director

mg/ Kg =Milligrams per kilogram

Percent = Milligrams per kilogram / 10000

Note : Method QC results are acceptable unless stated otherwise.

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

RL = Reporting Limit

'<' = Below the reporting Limit

Bench Run No: 2020-0716-03

FAA-02

LEAD LABORATORY SERVICES



Company Fulcrum Environmental Consulting, Inc.-Y **NVL Batch Number** **2011797.00**
Address 406 N. 2nd Street **TAT** 5 Days **AH** No
 Yakima, WA 98901 **Rush TAT**
Project Manager Mr. Roque Reyes **Due Date** 7/20/2020 **Time** 9:30 AM
Phone (509) 574-0839 **Email** roque.reyes@efulcrum.net
Fax (509) 575-8453

Project Name/Number: 172177.06 **Project Location:** Unit 23 Interior 1200 East University Way Kittitas, Washington 98926

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

Total Number of Samples 2 **Rush Samples** _____

	Lab ID	Sample ID	Description	A/R
1	20081936	U23PC-01		A
2	20081937	U23PC-02		A

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

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Kelly AuVu		NVL	7/13/20	930
Analyzed by	Shalini Patel		NVL	7/16/20	
Results Called by					
<input type="checkbox"/> Faxed <input type="checkbox"/> Emailed					

Special Instructions: _____

Date: 7/13/2020
 Time: 2:43 PM
 Entered By: Kelly AuVu

2011797



YCB86Y



Fulcrum Environmental Consulting, Inc.
406 North 2nd Street
Yakima, Washington 98901

Chain of Custody

Laboratory: NVL Laboratories, Inc.
Project: 172177.06
Site Location: Unit 23 Interior
1200 East University Way
Kitititas, Washington 98926
Sampled By: Roque Reyes (Roque.Reyes@efulcrum.net)
Purpose: Hazardous Building Materials Inspection

Laboratory Notes


Analyze all samples without positive stop



Standard

Samples ppm (AAS) Paint chips, lead (pb)

Turn-Around Time Request


Sample ID	Material	Floor / Section	Space	Analysis
U23PC-01	Blue paint on metal siding - PC	Exterior	Exterior	
U23PC-02	Purple paint on wood wall panel - PC	Interior	Interior	

Sampled By		Date	7-10-20	Time	11:00
------------	---	------	---------	------	-------

Received By		Date	7-10-20	Time	1:00
Relinquished By		Date	7-10-20	Time	3:30

Analysis By	_____	Date	_____	Time	_____
-------------	-------	------	-------	------	-------

e-nvr

Received By		Date	7/13/20	Time	9:30 AM
Relinquished By	_____	Date	_____	Time	_____

Received By		Date	7/13/20	Time	9:30 AM
Relinquished By	_____	Date	_____	Time	_____

Kelly Au Vu

From: Roque Reyes <Roque.Reyes@efulcrum.net>
Sent: Monday, July 13, 2020 9:49 AM
To: Client Services
Cc: Hannah Lascano
Subject: Re: 172177.06 - ON HOLD

Good Morning,

Please put the samples on a 5 day turnaround time, sorry for the inconvenience.

Thank you,

Roque Reyes

From: Client Services <ClientServices@nvlabs.com>
Sent: Monday, July 13, 2020 9:37 AM
To: Roque Reyes
Cc: Client Services
Subject: [EXTERNAL] 172177.06 - ON HOLD

Hello,

Please see the attached COC.

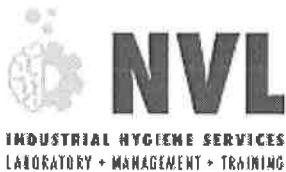
We are needing a turn around time specified, you have notated for a standard turn around time, however we do not have a standard for you.

We can put this on a 5 day turn like what was done for your TCLP sample sent in.

Please confirm back at your earliest convenience, as we will be placing this batch on hold.

Thanks & Regards,


Client Services



www.nvlabs.com

Your feedback is very important to us!

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

 Please consider the environment before printing this email message.

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Appendix AH.5
TCLP Analytical

July 16, 2020

Ryan Mathews

Fulcrum Environmental Consulting, Inc.-Y

406 N. 2nd Street
Yakima, WA 98901



NVL Batch # 2011777.00

RE: Total Metal Analysis
Method: EPA 1311/7000B Lead by FAA <TCLP>
Item Code: TCLP-1

Client Project: 172177.06
Location: Shady Brook Mobile Village

Dear Mr. Mathews,

NVL Labs received 1 sample(s) for the said project on 7/13/2020. Preparation of these samples was conducted following protocol outlined in EPA 1311/7000B, unless stated otherwise. Analysis of these samples was performed using analytical instruments in accordance with EPA 1311/7000B Lead by FAA <TCLP>. The results are usually expressed in mg/L and ppm. Test results are not blank corrected.

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

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

Sincerely,

Nick Ly, Technical Director



Enc.: Sample results



Phone: 206 547.0100 | Fax: 206 634.1936 | Toll Free: 1.888.NVL.LABS (685.5227)
4708 Aurora Avenue North | Seattle, WA 98103-6516



Analysis Report

Toxicity Characteristic Leaching Procedure - Lead (Pb)

Client: Fulcrum Environmental Consulting, Inc.-Y
Address: 406 N. 2nd Street
Yakima, WA 98901

Batch #: 2011777.00

Matrix: Bulk
Method: EPA 1311/7000B
Client Project #: 172177.06
Date Received: 7/13/2020
Samples Received: 1
Samples Analyzed: 1

Attention: Mr. Ryan Mathews
Project Location: Shady Brook Mobile Village

Lab ID	Client Sample #	RL mg/ L	Results in mg/L	Results in ppm
20081861	A-E	0.5	< 0.5	< 0.5

Sampled by: Client
Analyzed by: Shalini Patel
Reviewed by: Nick Ly

Date Analyzed: 07/16/2020
Date Issued: 07/16/2020


Nick Ly, Technical Director

mg/ L =Milligrams per liter
ppm = parts per million

RL = Reporting Limit
'<' = Below the reporting Limit

Note : Method QC results are acceptable unless stated otherwise.
Unless otherwise indicated, the condition of all samples was acceptable at time of receipt.

Bench Run No: 2020-0715-04

TCLP-1

LEAD LABORATORY SERVICES



Company Fulcrum Environmental Consulting, Inc.-Y	NVL Batch Number 2011777.00
Address 406 N. 2nd Street Yakima, WA 98901	TAT 5 Days AH No
Project Manager Mr. Ryan Mathews	Rush TAT
Phone (509) 574-0839	Due Date 7/20/2020 Time 9:30 AM
Cell (509) 728-2424	Email rmathews@efulcrum.net
	Fax (509) 575-8453

Project Name/Number: 172177.06 **Project Location:** Shady Brook Mobile Village

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

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

Lab ID	Sample ID	Description	A/R
1	20081861	A-E	A

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

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Kelly AuVu		NVL	7/13/20	930
Analyzed by	Shalini Patel		NVL	7/16/20	
Results Called by					
<input type="checkbox"/> Faxed <input type="checkbox"/> Emailed					

Special Instructions: _____

Date: 7/13/2020
 Time: 1:53 PM
 Entered By: Fatima Khan

NVL Laboratories, Inc.

4708 Aurora Ave N, Seattle, WA 98103
 Tel: 206.547.0100 Emerg. Pager: 206.344.1878
 Fax: 206.634.1936 1.888.NVL.LABS (685.5227)

**CHAIN of CUSTODY
 SAMPLE LOG**

2011777

Client Fulcrum Environmental
Street 406 North 2nd Street
 Yakima, WA 98901

NVL Batch Number _____
Client Job Number 172177.06

Project Manager Ryan Mathews
Project Location Shady Brook Mobile Village

Total Samples 1
Turn Around Time 1-Hr 24-Hrs 4 Days
 2-Hrs 2 Days 5 Days
 4-Hrs 3 Days 6 to 10 Days
 Please call for TAT less than 24 Hrs





Email address avery.foltz@efulcrum.net

Phone: (509) 574-0839 **Fax:** (509) 575-8453 **Home** (206) 707-2511

<input type="checkbox"/> Asbestos Air	<input type="checkbox"/> PCM (NIOSH 7400)	<input type="checkbox"/> TEM (NIOSH 7402)	<input type="checkbox"/> TEM (AHERA)	<input type="checkbox"/> TEM (EPA Level II)	<input type="checkbox"/> Other _____
<input type="checkbox"/> Asbestos Bulk	<input type="checkbox"/> PLM (EPA/600/R-93/116)	<input type="checkbox"/> PLM (EPA Point Count)	<input type="checkbox"/> PLM (EPA Gravimetry)	<input type="checkbox"/> TEM Bulk	
METALS	Det. Limit	Matrix	RCRA Metals	<input type="checkbox"/> All 8	Other Metals
<input type="checkbox"/> Total Metals	<input type="checkbox"/> ppm (AAS)	<input type="checkbox"/> Air Filter	<input type="checkbox"/> Arsenic (As)	<input checked="" type="checkbox"/> Lead (Pb)	<input type="checkbox"/> All 3
<input checked="" type="checkbox"/> TCLP	<input type="checkbox"/> ppb (GFAA)	<input type="checkbox"/> Drinking water	<input type="checkbox"/> Barium (Ba)	<input type="checkbox"/> Mercury (Hg)	<input type="checkbox"/> Copper (Cu)
		<input type="checkbox"/> Dust/wipe	<input type="checkbox"/> Cadmium (Cd)	<input type="checkbox"/> Selenium (Se)	<input type="checkbox"/> Nickel (Ni)
		<input type="checkbox"/> Soil	<input type="checkbox"/> Chromium (Cr)	<input type="checkbox"/> Silver (Ag)	<input type="checkbox"/> Zinc (Zn)
<input type="checkbox"/> Other Types of Analysis	<input type="checkbox"/> Fiberglass	<input type="checkbox"/> Nuisance Dust	<input type="checkbox"/> Other (Specify) _____		
	<input type="checkbox"/> Silica	<input type="checkbox"/> Respirable Dust			

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

Seq. #	Lab ID	Client Sample Number	Comments	A/R
1		A	Unpainted wood - 55%	
2		B	Painted wood panels - 20%	
3		C	Painted metal - 16.5%	
4		D	Painted wood siding (Bedroom 3 addition) - 2%	
5		E	Painted fiber board ceilings - 6.5%	
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	Roque Reyes		Fulcrum Environmental	7/10/20	11:00 am
Relinquished by	Roque Reyes		Fulcrum Environmental	7/10/20	3:40 pm
Received by			NVL	7/10/20	9:40 pm
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.
 CC. roquereyes@efulcrum.net



Appendix AH.6
Professional Certifications

Certificate of Completion

This is to certify that
Roque E. Reyes
has satisfactorily completed
24 hours of training as an
AHERA Building Inspector

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

EPA Provider # 1085

175890
Certificate Number

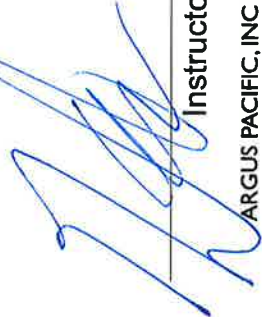


Dec 3 - 5, 2019 Expires in 1 year.

Date(s) of Training

92

Exam Score: N/A
(if applicable)


Instructor

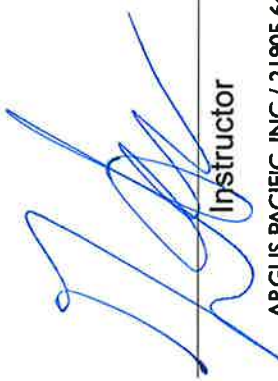
ARGUS PACIFIC, INC / 21 905 64th AVE W, SUITE 100 / MOUNTLAKE TERRACE, WASHINGTON 98043 / 206.285.3373 / ARGUSPACIFIC.COM

Certificate of Completion

This is to certify that
Hannah Lascano
has satisfactorily completed
24 hours of training as an
AHERA Building Inspector

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

EPA Provider # 1085


Instructor

175887
Certificate Number



Dec 3 - 5, 2019 Expires in 1 year.

Date(s) of Training

Exam Score: N/A
(if applicable) *90*

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

STATE OF WASHINGTON

Department of Commerce

Lead-Based Paint Abatement Program

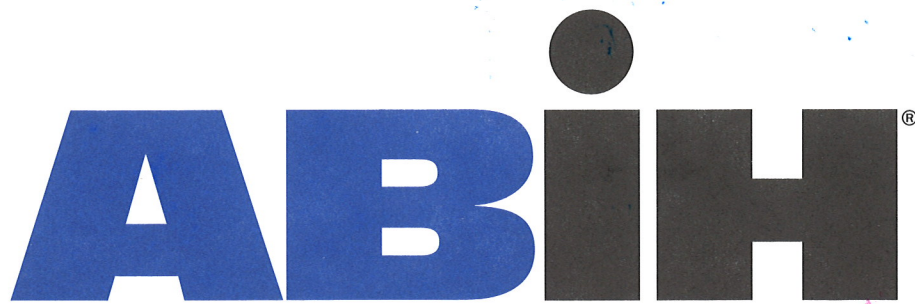
Ryan K Mathews

*Has fulfilled the certification requirements of
WAC 365-230
and has been certified to conduct lead-based
paint activities as a
Risk Assessor*

Certification #
0158

Issuance Date
10/03/2017

Expiration Date
10/15/2020



american board of industrial hygiene®

organized to improve the practice of industrial hygiene
proclaims that

Ryan K. Mathews

having met all requirements of
education, experience and examination,
is hereby certified in the

**COMPREHENSIVE PRACTICE
of
INDUSTRIAL HYGIENE**

and has the right to use the designations

CERTIFIED INDUSTRIAL HYGIENIST

CIH

Certificate Number	9916 CP
Awarded:	May 6, 2011
Expiration Date:	December 1, 2021



Susan Ruppel
Chair, ABIH

Alan K. Olson
Chief Executive Officer, ABIH