



1375 S. Washington Avenue, Suite 300
Lansing, Michigan 48910
517-702-0470
Fax 517-702-0477
www.triterra.us

July 8, 2019
Triterra Project #: 19-2171-02

Kalamazoo County Land Bank Authority
Attn: Mr. Kenn Hartmann
1523 Riverview Drive, Suite A
Kalamazoo, Michigan 49004

**SUBJECT: *Asbestos-Containing Materials Inspection and Hazardous Materials Survey
1015 Albert Avenue, Kalamazoo, Michigan 49048***

Dear Mr. Hartmann:

Triterra has completed an asbestos-containing materials (ACM) inspection and hazardous materials survey for the residential house located at *1015 Albert Avenue in Kalamazoo, Michigan* (the Property) to determine if any ACM or other hazardous non-ACM exist within the structure. This inspection was completed for the Kalamazoo County Land Bank Authority (the User) to ensure compliance with the OSHA Construction Standard for Asbestos (29 CFR 1926.1101) and the United States Environmental Protection Agency (USEPA) requirements for inspection of buildings prior to renovation or demolition under the National Emissions Standards for Hazardous Air Pollutants (NESHAP 40 CFR Part 61). This report outlines and interprets the results of these analyses. A description of the structure, inspection methods, results, and recommendations are provided herein.

Building Description

The Property includes a two-story, single-family residential house with an unfinished basement. The block-home has a concrete block foundation, stucco facade, and an asphalt shingle roof. Building materials therein include drywall and plaster walls and ceilings, various types of flooring (carpet, vinyl tile, linoleum), and various insulating materials (cellulose and fiberglass). Other building materials/components include acoustical ceiling tile, wood paneling, and a gas furnace which is located in the basement.

Hazardous Materials Survey

On June 12, 2019, Greg Ross of Triterra conducted a hazardous materials survey of the Property to identify potential polychlorinated biphenyl (PCB) and mercury containing equipment as well as containers that may contain hazardous or regulated wastes. Any identified material was documented along with its approximate location within or around the structure. A summary of the hazardous materials identified at the Property is presented in Table 1.

ACM Inspection Methods

Greg Ross of Triterra completed an ACM inspection of the structure on June 12, 2019. Mr. Ross is an accredited State of Michigan/EPA Asbestos Building Inspector, certificate number A52547.

Building construction plans, diagrams, and/or User provided information were utilized to assign room/area designations so that all areas of the structure(s) are identifiable for sample location purposes. Each room/area of the structure(s) was then evaluated for suspect ACM. Areas that contain similar suspect ACM were grouped into a single Homogenous Area (a grouping of rooms/spaces containing the same material according to color, texture, and date of application).

Suspect materials were placed into three major categories: surfacing materials, thermal system insulation materials, and miscellaneous materials. Surfacing materials are sprayed-on or troweled-on (i.e. plaster, fireproofing, or acoustical materials). Thermal system insulation materials are used for heat insulation or condensation prevention (i.e. boiler coverings, pipe insulation, or roof drain insulation). Miscellaneous materials are any application that does not fall into the surfacing or thermal system insulation categories (i.e. floor tile, roofing, drywall, etc.).

Representative samples of each encountered suspect ACM were either collected for laboratory analysis or presumed to contain asbestos. Presumed asbestos-containing materials (PACM) are generally thermal system insulation and surfacing materials that have a high likelihood of containing greater than 1% asbestos, and therefore are not sampled. Each sample collected was containerized in double-layer, laboratory-provided, sampling bags. The collected samples were sent to EMSL Analytical, Inc. (EMSL) [Accreditation Number 101048-4] for analysis using polarized light microscopy (PLM). PLM is the most commonly used method for the analysis of bulk samples, using 10 to 400 times power magnification. PLM bulk sample analyses follow the EPA method of the Determination of Asbestos in Bulk Insulation Samples (EPA 600/M4-82-020). The laboratory results indicate the percentage and type of asbestos in the sample and the other fibrous or non-fibrous non-asbestos materials in the sample. Chain-of-custody documentation was followed throughout the sample collection, handling, and shipping to assure quality control requirements were met.

Inspection Results

A total of 37 suspect ACM samples from 23 homogenous areas (HA) were analyzed for the presence of asbestos or were presumed to be ACM, and therefore were not sampled. The laboratory analytical results are presented in Attachment 1. Photos of identified ACM are included in Attachment 2.

Friable ACM are defined as materials which contain 1 percent or greater asbestos that can be crushed, pulverized, or reduced to powder using hand pressure. Friable ACM identified during the inspection, include:

- **HA 17:** *Duct wrap* on the ventilation ducts throughout the home.

Non-friable ACM are defined as materials that cannot be crumbled, pulverized, or reduced to a powder by hand pressure. Non-friable ACM is separated into category I and category II non-friable ACM.

- Category I non-friable ACM is defined as packings, gaskets, resilient floor coverings, and asphalt roofing products containing 1 percent or greater asbestos. Category I non-friable ACM identified during the inspection, include:
 - **HA 2:** *Green flooring with a white square pattern* located in the 1st floor hall and dining room (photo 1);
 - **HA 6:** *White linoleum flooring* in the 1st floor bathroom under portions of HA 5;
 - **HA 18:** *White, brick-patterned floor tile* in the 1st floor bedroom (photo 2), and;
 - **HA 19:** *9x9-inch white, rock-patterned floor tile* in the basement.

- Category II non-friable ACM is defined as any other non-friable material containing 1 percent or greater asbestos, excluding category I non-friable ACM. Category II non-friable ACM identified during the inspection, include:
 - **HA 13:** *Plaster walls & ceilings* throughout the 1st floor (behind wood paneling in areas).

The materials sampled during the inspection are detailed in Table 2 (see Attachment 1), which includes their location, description, and ACM status.

Conclusions/Recommendations

Based on Triterra’s understanding of the demolition activities planned for the Property, proper abatement of the friable *duct wrap (HA 17)* and the *plaster walls & ceilings (HA 13)* is required prior to commencing these activities. Additionally, the removal of Category I non-friable materials (and non-ACM hazardous materials) is strongly recommended prior to demolition as these materials may become friable during these activities.

Depending on the type and quantities of ACM that will be removed from the structure(s), notification may need to be provided to the following regulatory agencies 10 working (or calendar) days prior to commencement of work with the submittal of a Notification of Intent to Renovate/Demolish form (EQP 5661). The retained asbestos abatement contractor should complete this form as part of their services. This notification should be provided to the Michigan Department of Environment, Great Lakes, and Energy – Air Quality Division (EGLE-AQD) and Michigan Department of Licensing & Regulatory Affairs (LARA) any time renovation/demolition/asbestos abatement is to be completed on a building.

NESHAP Asbestos Program
EGLE – AQD
P.O. Box 30260
Lansing, Michigan 48909
(517) 284-6777

LARA
MIOSHA Asbestos Program
P.O. Box 30671
Lansing, Michigan 48909
(517) 636-4551

Regulations governing employee exposure to asbestos hazards in the workplace are found in the federal regulations at Title CFR, part 1910.1001, which is the U. S. Occupational Safety and Health Administration (OSHA) asbestos standard. The presence of any ACM in a facility where there is a possibility of employee exposure triggers the applicability of the standard to the workplace and employee. The standard generally applies to labeling, signage, employee training, and personal protective equipment in order to minimize

the risk of asbestos exposure. An employer is required to institute a training program for all employees who are exposed to airborne concentrations of asbestos at or above the employee permissible exposure limit and/or excursion limit and ensure employee participation in the program. Air sampling and laboratory analysis are required to determine the concentration of asbestos in the air of the employee work areas.

Disclaimer

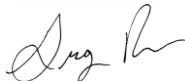
Destructive testing was completed in accessible areas of the structure(s) and/or areas designated by the User throughout this inspection. If suspect ACMs are encountered during demolition activities for which no analytical data exists, Triterra recommends the material(s) remain undisturbed until the asbestos content of the material(s) is determined in accordance with USEPA and OSHA regulations. Quantities presented are meant as a guide and should not be used for bidding purposes without verification.

Triterra completed the work in general conformance with federal, state, and local requirements and made all appropriate inquiry consistent with good commercial or customary practice. Triterra assumes the information provided in this report and by the User and/or property owner is factual, complete, and correct. Triterra does not warrant that this report represents an exhaustive study of all possible environmental concerns associated with asbestos at the property. However, the items included in this report are believed to adequately address the client's needs at this time.

This report was prepared exclusively for the Kalamazoo County Land Bank Authority for the purposes as expressly stated. This report may be unsuitable for other uses, and reliance on its contents by anyone other than the User is done at the sole risk of that party. This report may not be reproduced, sold, or otherwise conveyed to another entity without prior written permission from Triterra.

Should you have any questions or comments regarding this report, please feel free to contact the undersigned at (517) 702-0470.

Sincerely,

The logo for Triterra, featuring the word "TRITERRA" in a bold, sans-serif font. The letter "I" is stylized with a green square containing a white circle, resembling a globe or a drop.A handwritten signature in black ink, appearing to read "Greg Ross".

Greg Ross
Environmental Technician
Michigan/EPA Certified Asbestos Inspector #A52547

A handwritten signature in blue ink, appearing to read "Alan Snell".

Alan Snell
Project Geologist
Manager | Hazardous Materials
Michigan/EPA Certified Asbestos Inspector #A47249

Attachments:

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TABLES



TABLE 1
REGULATED HAZARDOUS MATERIALS

Project: 1015 Albert Avenue
Location: Kalamazoo, Michigan 49048
Project Number: 19-2171-02
Personnel: Greg Ross

Description of Material (hazardous component)	Container Size	Quantity	Location
Air conditioning unit (refrigerant)	N/A	2	Dining room and patio
Refrigerator (refrigerant -HFC, CFCs, HCFCs)	N/A	NA	Kitchen
Paint can (heavy metals)	1 Gallon or less	NA	Throughout home
Fire extinguisher	N/A	1	Kitchen



TABLE 2
ASBESTOS CONTAINING MATERIAL
ANALYTICAL RESULTS

Project: 1015 Albert Avenue
 Location: Kalamazoo, Michigan 49048
 Project Number: 19-2171-02
 Personnel: Greg Ross

Homogeneous Area (HA)	Sample/Material Description	Sample Identification		Location	% Asbestos Laboratory Result	ACM Classification	Approximate Quantity
1	Green/light green flooring w/ white circles	HA-1	M	Living room, hall, and 1st floor bedroom	ND	Non-ACM	NA
2	Green flooring - white square pattern	HA-2	M	1st floor hall and dining room	25	Category I	*130 Sq. Ft
3	Blue/white checkered flooring	HA-3	M	Kitchen	ND	Non-ACM	NA
4	Brown/gray flooring - rock pattern	HA-4	M	Kitchen	ND	Non-ACM	NA
5	Gray sheet flooring	HA-5	M	1st floor bathroom	ND	Non-ACM	NA
6	White linoleum flooring	HA-6	M	1st floor bathroom under portions of HA 5	30	Category I	*35 Sq. Ft
	Adhesive				ND		
7	12x12" Stickyback floor tile - gray rock pattern	HA-7	M	2nd floor stair landing	ND	Non-ACM	NA
8	White ceiling tile - smooth w/ silver flakes	HA-8	M	2nd floor southwest bedroom	ND	Non-ACM	NA
9	Brown fiberboard	HA-9	M	1st floor walls behind wood paneling & plaster	ND	Non-ACM	NA
10	Yellow fiberglass insulation Paper wrap	HA-10	M	Exterior wall cavities throughout home	ND	Non-ACM	NA
11	Pink fiberglass insulation Paper wrap	HA-11	M	Attic/above 2nd floor ceilings	ND	Non-ACM	NA
12	Black Tyvek wrap	HA-12	M	Behind stucco façade	ND	Non-ACM	NA
13	Plaster	HA- 13A-E	S	Walls and ceilings throughout 1st floor (behind wood paneling in areas)	2	Category II	*2,230 Sq. Ft
14	Drywall	HA-14A-E	M	2nd floor walls and ceilings throughout	ND	Non-ACM	NA
15	Texture	HA-15A-C	S	Kitchen ceiling and walls	ND	Non-ACM	NA
16	Texture	HA-16A-C	S	Dining room ceilings	ND	Non-ACM	NA
17	Duct wrap	PACM	TSI	Ductwork throughout home	PACM	Friable	*110 Sq. Ft
18	White floor tile - brick pattern	HA-18	M	1st floor bedroom	3	Category I	*105 Sq. Ft
	Adhesive				ND		
19	9x9" white floor tile - rock pattern	HA-19	M	Basement	4	Category I	*750 Sq. Ft
20	Blown-in cellulose insulation	HA-20	M	Attic	ND	Non-ACM	NA
21	Roofing shingle Membrane	HA-21	M	Main roof	ND	Non-ACM	NA
22	Stucco	HA-22A-C	S	House façade	ND	Non-ACM	NA
23	Roofing shingle Membrane	HA-22	M	Roof over patio/enclosed deck	ND	Non-ACM	NA

Notes:

***The quantities listed above are estimates only. It is recommended that these quantities be verified prior to acquiring bids for abatement.**

****The quantity listed for HA 19 was estimated based on the square footage of the basement. The basement was too cluttered to acquire a more accurate estimate.**

M = Miscellaneous building material

ND = None Detected

Asbestos Containing Material

S = Surfacing material

NA = Not Applicable

PACM = Presumed ACM

TSI = Thermal system insulation

HA = Homogeneous Area

An asbestos-containing material (ACM) is defined as a material containing greater than 1% asbestos. Laboratory results reported as 1% or greater indicate an ACM. ACM identified as friable are friable by definition. ACM identified as Category I and II non-friable ACM that have a high probability of becoming crumbled, pulverized, or reduced to a powder by the forces expected to act on the materials during the course of demolition or renovation, should be removed before demolition.

ATTACHMENT 1

***EMSL ANALYTICAL RESULTS AND
CHAIN OF CUSTODY DOCUMENTATION***



EMSL Analytical, Inc.

15111 Northville Rd Plymouth, MI 48170

Tel/Fax: (734) 668-6810 / (734) 668-8532

<http://www.EMSL.com> / annarborlab@emsl.com

EMSL Order: 081901651

Customer ID: TRIA25

Customer PO:

Project ID:

Attention: Greg Ross
Triterra
1375 S. Washington Avenue
Suite 300
Lansing, MI 48910

Project: 1015 Albert Ave.

Phone: (517) 702-0470

Fax:

Received Date: 06/17/2019 9:00 AM

Analysis Date: 06/19/2019

Collected Date:

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
HA-1 <small>081901651-0001</small>	Laminate Flooring	Brown/Tan/Green Fibrous Heterogeneous	55% Cellulose	45% Non-fibrous (Other)	None Detected
HA-2 <small>081901651-0002</small>	Laminate Flooring	Tan/Green/Beige Fibrous Heterogeneous	10% Cellulose	65% Non-fibrous (Other)	25% Chrysotile
HA-3 <small>081901651-0003</small>	Sheet Flooring	White/Blue Non-Fibrous Homogeneous	<1% Glass	100% Non-fibrous (Other)	None Detected
HA-4 <small>081901651-0004</small>	Sheet Flooring	Brown/Beige Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
HA-5 <small>081901651-0005</small>	Sheet Flooring	Beige Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
HA-6-Adhesive <small>081901651-0006</small>	Sheet Flooring	Clear Fibrous Heterogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
HA-6-Linoleum <small>081901651-0006A</small>	Sheet Flooring	Yellow/Beige Fibrous Heterogeneous	10% Cellulose	60% Non-fibrous (Other)	30% Chrysotile
HA-7 <small>081901651-0007</small>	Sitckyback Tile	Black/Beige Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
HA-8 <small>081901651-0008</small>	Ceiling Tile	Brown/White Fibrous Heterogeneous	90% Cellulose	10% Non-fibrous (Other)	None Detected
HA-9 <small>081901651-0009</small>	Fiberboard	Brown Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
HA-10-Wrap <small>081901651-0010</small>	Insulation	Brown/Black Fibrous Heterogeneous	80% Cellulose	20% Non-fibrous (Other)	None Detected
HA-10-Insulation <small>081901651-0010A</small>	Insulation	Beige Fibrous Homogeneous	98% Glass	2% Non-fibrous (Other)	None Detected
HA-11-Wrap <small>081901651-0011</small>	Insulation	Tan/Black/Silver Fibrous Heterogeneous	35% Cellulose	65% Non-fibrous (Other)	None Detected
HA-11-Insulation <small>081901651-0011A</small>	Insulation	Pink Fibrous Homogeneous	3% Cellulose 90% Glass	7% Non-fibrous (Other)	None Detected
HA-12 <small>081901651-0012</small>	Wrap	Black Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (Other)	None Detected
HA-13 A <small>081901651-0013</small>	Plaster	Gray/White Non-Fibrous Heterogeneous	2% Cellulose	96% Non-fibrous (Other)	2% Chrysotile

Initial report from: 06/19/2019 17:01:58



EMSL Analytical, Inc.

15111 Northville Rd Plymouth, MI 48170

Tel/Fax: (734) 668-6810 / (734) 668-8532

<http://www.EMSL.com> / annarborlab@emsl.com

EMSL Order: 081901651

Customer ID: TRIA25

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		Asbestos
			% Fibrous	% Non-Fibrous	% Type
HA-13 B	Plaster				Positive Stop (Not Analyzed)
<i>081901651-0014</i>					
HA-13 C	Plaster				Positive Stop (Not Analyzed)
<i>081901651-0015</i>					
HA-13 D	Plaster				Positive Stop (Not Analyzed)
<i>081901651-0016</i>					
HA-13 E	Plaster				Positive Stop (Not Analyzed)
<i>081901651-0017</i>					
HA-14 A	Drywall	Brown/Gray Fibrous Heterogeneous	4% Cellulose	96% Non-fibrous (Other)	None Detected
<i>081901651-0018</i>					
HA-14 B	Drywall	Brown/Gray Fibrous Heterogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
<i>081901651-0019</i>					
HA-14 C	Drywall	Brown/Gray Fibrous Heterogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
<i>081901651-0020</i>					
HA-14 D	Drywall	Brown/White Fibrous Heterogeneous	7% Cellulose <1% Glass	93% Non-fibrous (Other)	None Detected
<i>081901651-0021</i>					
HA-14 E	Drywall	Brown/Gray Fibrous Heterogeneous	6% Cellulose <1% Glass	94% Non-fibrous (Other)	None Detected
<i>081901651-0022</i>					
HA-15 A	Texture	White/Yellow Non-Fibrous Heterogeneous	2% Wollastonite	<1% Mica 98% Non-fibrous (Other)	None Detected
<i>081901651-0023</i> <i>Inseparable paint / coating layer included in analysis</i>					
HA-15 B	Texture	White/Yellow Non-Fibrous Heterogeneous	4% Wollastonite	96% Non-fibrous (Other)	None Detected
<i>081901651-0024</i> <i>Inseparable paint / coating layer included in analysis</i>					
HA-15 C	Texture	White Non-Fibrous Homogeneous	2% Wollastonite	98% Non-fibrous (Other)	None Detected
<i>081901651-0025</i>					
HA-16 A	Texture	White Non-Fibrous Heterogeneous	3% Wollastonite	97% Non-fibrous (Other)	None Detected
<i>081901651-0026</i> <i>Inseparable paint / coating layer included in analysis</i>					
HA-16 B	Texture	White Non-Fibrous Heterogeneous	2% Wollastonite	98% Non-fibrous (Other)	None Detected
<i>081901651-0027</i> <i>Inseparable paint / coating layer included in analysis</i>					
HA-16 C	Texture	Beige Non-Fibrous Homogeneous	3% Wollastonite	2% Ca Carbonate 2% Mica 93% Non-fibrous (Other)	None Detected
<i>081901651-0028</i>					
HA-18-Floor Tile	Flooring	Beige Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
<i>081901651-0029</i>					
HA-18-Adhesive	Flooring	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
<i>081901651-0029A</i>					
HA-19	Floor Tile	Gray/White Non-Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
<i>081901651-0030</i>					

Initial report from: 06/19/2019 17:01:58



EMSL Analytical, Inc.

15111 Northville Rd Plymouth, MI 48170

Tel/Fax: (734) 668-6810 / (734) 668-8532

<http://www.EMSL.com> / annarborlab@emsl.com

EMSL Order: 081901651
Customer ID: TRIA25
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		Asbestos
			% Fibrous	% Non-Fibrous	% Type
HA-20 <i>081901651-0031</i>	Insulation	Brown/Beige Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
HA-21-Shingle A <i>081901651-0032</i>	Roofing	White/Black Fibrous Heterogeneous	8% Glass	92% Non-fibrous (Other)	None Detected
HA-21-Shingle B <i>081901651-0032A</i>	Roofing	Brown/Black Fibrous Heterogeneous	7% Glass	93% Non-fibrous (Other)	None Detected
HA-21-Membrane <i>081901651-0032B</i>	Roofing	Black Fibrous Homogeneous	15% Glass	85% Non-fibrous (Other)	None Detected
HA-22 A <i>081901651-0033</i>	Stucco	Gray/Green Non-Fibrous Heterogeneous		6% Quartz 94% Non-fibrous (Other)	None Detected
HA-22 B <i>081901651-0034</i> <i>Inseparable paint / coating layer included in analysis</i>	Stucco	Brown/Gray Non-Fibrous Heterogeneous		7% Quartz 93% Non-fibrous (Other)	None Detected
HA-22 C <i>081901651-0035</i>	Stucco	Gray Non-Fibrous Homogeneous		9% Quartz 91% Non-fibrous (Other)	None Detected
HA-23-Shingle <i>081901651-0036</i>	Roofing	White/Black Fibrous Heterogeneous	5% Glass	95% Non-fibrous (Other)	None Detected
HA-23-Membrane A <i>081901651-0036A</i>	Roofing	Black Fibrous Homogeneous	6% Glass	94% Non-fibrous (Other)	None Detected
HA-23-Membrane B <i>081901651-0036B</i>	Roofing	Black Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (Other)	None Detected
HA-23-Membrane C <i>081901651-0036C</i>	Roofing	Black Fibrous Homogeneous	15% Glass	85% Non-fibrous (Other)	None Detected

Analyst(s) _____

Ryan Shannon (5)

Waverly Ferguson (36)



 Ryan Shannon, Laboratory Manager
 or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method"), but augmented with procedures outlined in the 1993 ("final") version of the method. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. All samples received in acceptable condition unless otherwise noted. 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. EMSL recommends gravimetric reduction for all non-friable organically bound materials prior to analysis. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. Plymouth, MI NVLAP Lab Code 101048-4

Initial report from: 06/19/2019 17:01:58



EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS DIVISION

Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

081901651

PHONE:
FAX:

Company Name : Triterra		EMSL Customer ID:	
Street: 1375 S. Washington Ave, Suite 300		City: Lansing	State/Province:
Zip/Postal Code: 48910	Country: United States	Telephone #: 517-702-0470	Fax #: 517-702-0477
Report To (Name): Greg Ross		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email	
Email Address: Greg.Ross@Triterra.US		Purchase Order:	
Project Name/Number: 1015 Albert Ave		EMSL Project ID (Internal Use Only):	
U.S. State Samples Taken:		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	
EMSL-Bill to: <input type="checkbox"/> Same <input type="checkbox"/> Different - If Bill to is Different note instructions in Comments** <i>Third Party Billing requires written authorization from third party</i>			
Turnaround Time (TAT) Options* - Please Check			
<input type="checkbox"/> 3 Hour <input type="checkbox"/> 6 Hour <input type="checkbox"/> 24 Hour <input type="checkbox"/> 48 Hour <input checked="" type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input type="checkbox"/> 1 Week <input type="checkbox"/> 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.			
PCM - Air <input type="checkbox"/> Check if samples are from NY <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> w/ OSHA 8hr. TWA	TEM - Air <input type="checkbox"/> 4-4.5hr TAT (AHERA only) <input type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312	TEM- Dust <input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167)	
PLM - Bulk (reporting limit) <input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB (<1%) Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) <input type="checkbox"/> NYS 198.1 (friable in NY) <input type="checkbox"/> NYS 198.6 NOB (non-friable-NY) <input type="checkbox"/> NYS 198.8 SOF-V <input type="checkbox"/> NIOSH 9002 (<1%)	TEM - Bulk <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (non-friable-NY) <input type="checkbox"/> Chatfield SOP <input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5	Soil/Rock/Vermiculite <input type="checkbox"/> PLM EPA 600/R-93/116 with milling prep (<1%) <input type="checkbox"/> PLM EPA 600/R-93/116 with milling prep (<0.25%) <input type="checkbox"/> TEM EPA 600/R-93/116 with milling prep (<0.1%) <input type="checkbox"/> TEM Qualitative via Filtration Prep <input type="checkbox"/> TEM Qualitative via Drop Mount Prep <input type="checkbox"/> Cincinnati Method EPA 600/R-04/004 - PLM/TEM (BC only) Other: <input type="checkbox"/>	
<input checked="" type="checkbox"/> Check For Positive Stop - Clearly Identify Homogenous Group		Filter Pore Size (Air Samples): <input type="checkbox"/> 0.8µm <input type="checkbox"/> 0.45µm	
Samplers Name: Greg Ross		Samplers Signature:	
Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
HA-1	Laminated flooring Green/Lt Green/lt ^{Chips} white	1	6/12/19
HA-2	Laminated flooring Green/lt Spun	2	
HA-3	Sheet flooring Blue/wht Checkered	3	
HA-4	Sheet flooring Seneca Rock pattern	4	
HA-5	Sheet flooring Gray		
Client Sample # (s):		Total # of Samples: 36	
Relinquished (Client):		Date: 6/12/19	Time: 6:00
Received (Lab): RN FE		Date: 6/17/19	Time: 9:00
Comments/Special Instructions:			



EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS DIVISION

Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

081901651

PHONE:

FAX:

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

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
HA-6	Sheet floorly white	6	6/12/19
HA-7	12x12" sticky back tile Gray/Rock	7	
HA-8	white ceiling tile smooth	8	
HA-9	fiberboard brown	9	
HA-10	yellow paperback insulation	10	
HA-11	pink paperback insulation	11	
HA-12	Black tyvek wrap	12	
HA-13 A	Plaster	13	
HA-13 B	"	13	
HA-13 C	"	13	
HA-13 D	"	13	
HA-13 E	"	13	
HA-14 A	Drywall	14	
HA-14 B	"	14	
HA-14 C	"	14	
HA-14 D	"	14	
HA-14 E	"	14	
HA-15 A	Texture	15	
HA-15 B	"	15	
HA-15 C	"	15	
HA-16 A	Texture	16	
HA-16 B	"	16	
HA-16 C	"	16	
*Comments/Special Instructions:			

Page 2 of 3 pages

RN FE 6/17/19 9:00



Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

081901651

PHONE:
FAX:

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

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled	
HA-18	Sheet flooring white brick	18	6/12/19	
HA-19	9x9" ft. wht Rock pattern	19		
HA-20	Blown Insulation	20		
HA-21	Roofing	21		
HA-22 A	Stucco	22		
HA-22 B	"	22		
HA-22 C	"	22		
HA-23	Roofing	23		→

*Comments/Special Instructions:

Rwl FE 6/17/19 9.00
Page 3 Of 3

ATTACHMENT 2

SITE PHOTOGRAPHS



PHOTO: 1 **DATE: 6/12/2019** **BY: Greg Ross**
SUBJECT: HA 2: Asbestos-containing green flooring (with white square pattern) in the 1st floor hallway and dining room.



PHOTO: 2 **DATE: 6/12/2019** **BY: Greg Ross**
SUBJECT: HA 18: Asbestos-containing white floor tile in the first floor bedroom.