

ASBESTOS LEAD PAINT AND PCB CAULK SURVEY REPORT

**Abandoned Building
58-66 Canal Street
Lyons, Wayne County, New York**

Prepared For:

Wayne County
Contact: Brian Pincelli
9 Pearl Street, 2nd Floor
Lyons, New York 14489

Prepared By:

Lu Engineers
339 East Avenue, Suite 200
Rochester, New York 14604

July 2022

Project No. 50514-01



ASBESTOS, LEAD PAINT AND PCB CAULK SURVEY REPORT

Abandoned Building
58-66 Canal Street
Lyons, Wayne County, New York

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1.0 INTRODUCTION AND PROJECT OVERVIEW

Lu Engineers was retained by Wayne County to provide an asbestos, lead paint and PCB caulk survey of the building located at 58-66 Canal Street, in Lyons, Wayne County, New York. This survey was performed in anticipation of demolition of the building.

The asbestos, lead paint and PCB caulk survey was conducted on June 16, 2022, and June 29, 2022. The intent of this survey was to determine the presence and quantity of asbestos containing materials, lead paint and PCB containing caulk. The asbestos survey was conducted in accordance with New York State Department of Labor (NYSDOL) Industrial Code Rule (ICR) 56 by certified inspectors from Lu Engineers. A copy of Lu Engineers' license and inspectors' certifications can be found in Attachment A.

1.1 Records Review

The following reports were reviewed as part of this survey and pertinent results were incorporated:

- *Asbestos-Containing and Hazardous Materials Inspection Report for 58-66 Canal Street prepared by LiRo Engineers, Inc., dated September 17th, 2021.* This report identified the following materials as asbestos containing:
 - o *White Duct Tape Sealant*
 - o *Black Sink Mastic (Undercoating)*
 - o *Various 9" x 9" Floor Tiles with Associated Black Mastic*
 - o *Red Linoleum with Associated Black Mastic*
 - o *Green Linoleum*
 - o *Roofing, Felt Paper and Tar (Assumed)*

Previous reports and analytical results can be found in Attachment F

2.0 SITE INSPECTION

2.1 Asbestos

One of the purposes of the visual inspection was to identify homogeneous areas of suspect asbestos containing materials that exist throughout the area of inspection, as defined in the scope of work. The Asbestos Hazard Emergency Response Act (AHERA) regulations define a homogeneous area as, "... an area of surfacing material, thermal insulation material, or miscellaneous material that is uniform in color and texture." Furthermore, homogeneous areas should consist of the same age and application.

The inspectors identified homogeneous areas that were present within the building. The suspect asbestos materials were given a homogeneous identification number based on color and texture of the material. A list of homogeneous area numbers of the materials encountered is included with the Asbestos Result Table in Section 3.1. Each room was given an identification (ID) number. The room ID number correlates with the ID number found on the Field Data Sheet in Attachment B. The Field Data Sheet details the specific homogenous materials identified within each room/space. Roof core profiles are also included in Attachment B.

Occupational Safety and Health Administration (OSHA) and 40 CFR 763 Subpart E – Asbestos Hazard Emergency Response Act (AHERA) bulk sampling protocols were followed.

- Three (3) samples of a homogenous surfacing material in quantities of 1,000 Square Feet (SF) or less were collected.
- Five (5) samples of a homogenous surfacing material in quantities greater than 1,000 SF but less than 5,000 SF were collected.
- Seven (7) samples of a homogenous surfacing material in quantities greater than 5,000 SF were collected.
- Three (3) samples of Thermal System Insulation (TSI) material were collected.
- Two (2) samples of each miscellaneous material were collected.

The suspect asbestos containing materials were extracted using various hand tools, containerized and labeled with unique sample identification numbers. Samples were submitted to the laboratory using standard chain of custody protocols.

Paradigm Environmental Services was the New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) approved laboratory used for analysis. A copy of Paradigm's credentials is located in Attachment A.

Friable samples were analyzed using NYS ELAP Method 198.1, Polarized Light Microscopy (PLM). Non-friable organically bound (NOB) samples were analyzed using NYS ELAP Method 198.6 (PLM) and, if found to be negative, NYS ELAP Method 198.4, Transmission Electron Microscopy (TEM). All Samples were analyzed via stop positive protocols meaning that once a positive sample of a series was found, the other samples were not analyzed.

Forty-two (42) bulk samples were collected from the building as part of this project.

The sample identification number indicated on the Bulk Sample Location Plan corresponds to the homogeneous ID numbers which are also located on the laboratory analytical report and the chain of custody forms. The Bulk Sample Location Plan, laboratory analytical report and the chain of custody forms are included in Attachment C.

2.2 PCB Caulks

No suspect PCB caulks were sampled during Lu Engineer's site investigation.

2.3 Lead Paint

According to the United States Environmental Protection Agency (EPA), paint is considered lead-based if the concentration is equal to or greater than 0.5% by weight or 1.0 mg/mm².

According to the Occupational Safety and Health Administration (OSHA), lead means metallic lead, all inorganic lead compounds and organic soaps with any concentrations of lead. Therefore, all samples collected are considered lead containing per OSHA standards.

Lead based paint was identified and sampled by LiRo Engineers, Inc. Refer to Attachment E for LiRo's Survey Report with pertinent information.

2.4 Miscellaneous Materials

Suspect miscellaneous hazardous materials were assessed throughout the building. High Intensity Discharge (HID) and fluorescent light bulbs that typically contain mercury, low/high pressure sodium, metal halide, and phosphorus were identified.

Pigeon waste was also identified throughout the buildings. Most of the heavy contamination was located on the second and third floors, with remnants throughout.

3.0 ANALYTICAL RESULTS

3.1 Asbestos Results

As defined by the New York State Department of Labor (NYSDOL) 12 NYCRR 56, a sample is considered to be asbestos containing if it contains greater than 1% asbestos by weight based on laboratory analysis.

A list of Homogeneous Areas (HA) identified for the building area surveyed is included below. The **bold** and *italicized* HA description indicates that the material is positive, based on the sample results.

Homogeneous Area No. (HA)	Description	Condition	Friability	Asbestos Content
1	<i>Brown 9" x 9" Floor Tile</i>	<i>Damaged</i>	<i>NF</i>	<i>Note 4</i>
2	<i>Black Floor Tile Mastic (under HA #1)</i>	<i>Damaged</i>	<i>NF</i>	<i>Note 4</i>
3	White Sink Undercoating	Damaged	NF	Note 1
4	Black Sink Undercoating	Damaged	NF	NAD

Homogeneous Area No. (HA)	Description	Condition	Friability	Asbestos Content
5	Grey Drywall	Damaged	F	Note 3
6	Tan Carpet Mastic	Damaged	NF	Trace Chrysotile <1.0%
7	Brown 9" x 9" Floor Tile	Damaged	NF	Chrysotile 3.9%
8	Black 9" x 9" Floor Tile with Red Streaks	Damaged	NF	Chrysotile 4.5%
9	Black Floor Tile Mastic	Damaged	NF	Chrysotile 2.8%
10	Tan Adhesive	Damaged	NF	NAD
11	White Joint Compound (with HA #5)	Damaged	NF	Note 3
12	Black Braided Wiring	Damaged	NF	NAD
13	Tan Parge Coating	Damaged	NF	NAD
14	Black Sink Undercoating	Damaged	NF	Chrysotile 5.8%
15	White 9" x 9" Floor Tile	Damaged	NF	Note 4
16	Black Floor Tile Mastic (under HA #15)	Damaged	NF	Note 4
17	Tan Floor Tile Mastic (under HA #22)	Damaged	NF	NAD
18	White Ceramic Floor Tile	Damaged	NF	NAD
19	Grey Grout	Damaged	NF	NAD
20	Yellow Mastic	Damaged	NF	NAD
21	Grey Transite Panel	Damaged	NF	Chrysotile 31%
22	White 12" x 12" Floor Tile	Damaged	NF	Note 3
23	Silver Coating	Damaged	NF	NAD
24	Black Tar Paper	Damaged	NF	Note 2
25	Black Tar	Damaged	NF	NAD
26	Black Tar Paper	Damaged	NF	Chrysotile 1.9%
27	Black Tar	Damaged	NF	Note 2
28	Black Tar Paper	Damaged	NF	Chrysotile 2.5%
29	Mottled Linoleum	Damaged	NF	Note 3
30	Black Mastic (under HA #29)	Damaged	NF	Note 3
31	White Skim Coat Plaster	Damaged	F	Note 3
32	Grey Rough Coat Plaster	Damaged	F	Note 3
33	White 12" x 12" Floor Tile	Damaged	F	Note 3
34	Yellow Mastic (under HA #33)	Damaged	F	Note 3
35	White Window Glaze	Damaged	NF	Note 3
36	Green Linoleum	Damaged	NF	Note 3
37	Yellow Mastic (under HA #36)	Damaged	NF	Note 3
38	Black Sink Mastic	Damaged	NF	Note 4
39	White Wire Jacketing	Damaged	NF	Note 3
40	White Window Caulk	Damaged	NF	Note 3

Homogeneous Area No. (HA)	Description	Condition	Friability	Asbestos Content
41	White Wall Patching	Damaged	F	Note 3
42	Brown 9" x 9" Ceiling Tile	Damaged	F	Note 3
43	<i>Tan Speckled 9" x 9" Floor Tile</i>	<i>Damaged</i>	<i>NF</i>	<i>Note 4</i>
44	<i>Black Floor Tile Mastic (under HA #43)</i>	<i>Damaged</i>	<i>NF</i>	<i>Note 4</i>
45	White Drywall	Damaged	F	Note 3
46	<i>White Duct Tape</i>	<i>Damaged</i>	<i>F</i>	<i>Note 4</i>
47	Marbled Linoleum	Damaged	NF	Note 3
48	-			
49	-			
50	Brick Linoleum	Damaged	NF	Note 3
51	Tan Mastic (under HA #50)	Damaged	NF	Note 3
52	Brown Block Linoleum	Damaged	NF	Note 3
53	Tan Mastic (under HA #52)	Damaged	NF	Note 3
54	<i>Red Linoleum</i>	<i>Damaged</i>	<i>NF</i>	<i>Note 4</i>
55	<i>Black Mastic (under HA #54)</i>	<i>Damaged</i>	<i>NF</i>	<i>Note 4</i>
56	Grey Drywall	Damaged	F	Note 3
57	White Skim Coat	Damaged	F	Note 3
58	White Plaster	Damaged	F	Note 3
59	Grey Plaster	Damaged	F	Note 3
60	White Joint Compound	Damaged	F	Note 3
61	Grey Tile Grout	Damaged	NF	Note 3
62	White Tile Cement	Damaged	NF	Note 3
63	White 2' x 4' Speckled Ceiling Tile	Damaged	F	Note 3
64	<i>Brown 9" x 9" Floor Tile</i>	<i>Damaged</i>	<i>NF</i>	<i>Note 4</i>
65	<i>Black Floor Tile Mastic (under HA #64)</i>	<i>Damaged</i>	<i>NF</i>	<i>Note 4</i>
66	<i>Green Linoleum</i>	<i>Damaged</i>	<i>NF</i>	<i>Note 4</i>
67	Yellow Linoleum Glue	Damaged	NF	Note 3
68	Squared Linoleum	Damaged	NF	Note 3

NAD – No Asbestos Detected

F – Friable; NF – Non-Friable

Note 1 - <1.0% residue remaining, PLM and TEM not required.

Note 2 – Laboratory was unable to separate the Black Tar Paper from the Black Tar on this layer of roofing.

Note 3 – Material was identified and sampled by LiRo Engineering, Inc.; and was determined to not contain asbestos.

Note 4 – Material was identified and sampled by LiRo Engineering, Inc.; and was determined to contain asbestos.

3.2 PCB Caulk Results

EPA defines PCB bulk waste, “as waste derived from manufactured products containing PCBs in a non-liquid state, at any concentration where the concentration at the time of designation for disposal was > 50 ppm PCBs”. Solid wastes containing 50 ppm by weight or greater are listed hazardous wastes in New York State (6 NYCRR Part 371.4(C)).

No suspect PCB caulks were identified or sampled at the time of this survey.

3.3 Lead Paint Results

According to the United States Environmental Protection Agency (EPA), paint is considered lead-based if the concentration is equal to or greater than 0.5% by weight or 1.0 mg/mm².

According to the Occupational Safety and Health Administration (OSHA), lead means metallic lead, all inorganic lead compounds and organic soaps with any concentrations of lead. Therefore, all samples collected are considered lead containing per OSHA standards.

Lead based paint was identified and sampled by LiRo Engineers, Inc. Refer to Attachment E for LiRo’s Survey Report with pertinent information.

4.0 **ASBESTOS MATERIALS AND APPROXIMATE QUANTITIES**

Asbestos exists throughout the inspected areas. Based on the analytical results, the following table identifies the Homogeneous Areas that contain asbestos along with the material description and approximate quantity.

Homogeneous Area No. (HA)	Description	Approximate Quantity
1	Brown 9” x 9” Floor Tile	250 SF ¹
2	Black Floor Tile Mastic (under HA #1)	250 SF ¹
7	Brown 9” x 9” Floor Tile	26 SF
8	Black 9” x 9” Floor Tile with Red Streaks	26 SF
9	Black Floor Tile Mastic	26 SF
14	Black Sink Undercoating	10 SF
15	White 9” x 9” Floor Tile	120 SF ¹
16	Black Floor Tile Mastic (under HA #15)	120 SF ¹
21	Grey Transite Panel	12 SF
26	Black Tar Paper	3,900 SF
28	Black Tar Paper	3,900 SF
38	Black Sink Mastic	5 SF ¹
43	Tan Speckled 9” x 9” Floor Tile	875 SF ¹

Homogeneous Area No. (HA)	Description	Approximate Quantity
44	Black Floor Tile Mastic (under HA #43)	875 SF ¹
46	White Duct Tape	30 SF ¹
54	Red Linoleum	400 SF ¹
55	Black Mastic (under HA #54)	400 SF ¹
64	Brown 9" x 9" Floor Tile	300 SF ¹
65	Black Floor Tile Mastic (under HA #64)	300 SF ¹
66	Green Linoleum	300 SF ¹

SF = Square Feet

LF = Linear Feet

¹ – Quantity was determined by LiRo Engineers, Inc.

5.0 LIMITATIONS OF THE INVESTIGATION

This report has been prepared for the exclusive use of the client. This report relies on information supplied by the building owner, employees, tenants and other sources of information. Lu Engineers has prepared this report in accordance with generally accepted practices within the industry.

This report identifies and assesses the location, quantity, and condition of materials that were accessible and visible at the time of sampling. The condition of the suspect materials is based on the actual inspection date. The quantities indicated in the report are based on the visual inspection and are only estimates of the material present. Additional quantities may exist above ceilings, behind walls or in areas of the building beyond the scope of the survey.

This survey is not intended to be an abatement design. Per NYCRR 56, an abatement design must be completed by a certified Project Designer.

This survey is intended to be a pre-demolition survey. Destructive measures were taken with attempts to identify materials that may be not immediately visible.

6.0 RECOMMENDATIONS

6.1 Asbestos Containing Materials

Asbestos containing materials have been identified as part of this assessment as shown in Section 4.0. The locations of asbestos containing materials and a summary of quantities are included in Attachment D.

NYCRR 56 requires that a copy of this survey be submitted to the local agency where the demolition permit will be issued and the regional office of the New York State Department of Labor. Upon acceptance of this report, Lu Engineers can submit this report to the NYSDOL upon request of the client.

In accordance with 12 NYCRR 56, no renovation or demolition work shall be commenced by any owner or agent prior to completion of asbestos abatement performed by a licensed asbestos abatement contractor. NYSDOL regulations require that the asbestos containing material that will be disturbed by the renovation or demolition be removed prior to any disturbance of the material.

If suspect asbestos containing materials not identified in this asbestos survey report are discovered during the demolition and/or renovation process; it is required that the presence, location and quantity of newly discovered material, be conveyed within twenty-four (24) hours of discovery to the building owner or their representative. All activities must cease in the area where the presumed asbestos containing material or suspect miscellaneous ACM is found, until a licensed asbestos contractor appropriately assesses and manages the discovered materials.

6.2 PCB Caulk

Caulks containing 50 parts per million (ppm) by weight (on a dry weight basis for other than liquid wastes) or greater of PCBs may be listed as hazardous waste in accordance with New York State Department of Conservation regulations (6 NYCRR Part 371). PCB wastes are also regulated by EPA in the 40 CFR Part 761 regulations.

There were no PCB containing caulks identified as part of this survey.

6.3 Lead Paint

According to the United States Environmental Protection Agency (USEPA), paint is considered lead based if the concentration is equal to or greater than 0.5% by weight or 1.0 mg/mm². The Occupational Safety and Health Administration (OSHA) Regulation in 29 CFR 1926.62 considers any amount of lead in paint to be of concern. The regulation states that the employer shall assure that no employee is exposed to lead concentrations greater than fifty micrograms per cubic meter (50 mg/m³) of air averaged over an eight hour period.

Lead Paint was identified as part of this survey that will require special handling and disposal when removed. A lead worker protection specification, consistent with OSHA regulations, is recommended for the project.

6.4 Miscellaneous Materials

According to the New York State Department of Environmental Conservation (NYSDEC), standard fluorescent bulbs may contain mercury and HID light bulbs may contain mercury vapor, high pressure sodium, or metal halide and they must be treated as hazardous waste unless they pass the Toxicity Characteristics Leaching Procedure (TCLP). Lamps that fail the TCLP must be managed in accordance with New York State Hazardous Waste Regulations or the Universal Waste Rule (UWR), 6 NYCRR 374-3.

Light bulbs observed appear to be a mixture of HID and fluorescent bulbs. Disposal of these fixtures shall be according to NYSDEC regulations and the EPA Resource and Recovery Act (RCRA) regulations.

ATTACHMENT A

License and Certifications



ASBESTOS, LEAD PAINT and PCB CAULK SURVEY

ABANDONED BUILDING

58-66 CANAL STREET

LYONS, WAYNE COUNTY, NEW YORK

New York State – Department of Labor

Division of Safety and Health
License and Certificate Unit
State Campus, Building 12
Albany, NY 12240

ASBESTOS HANDLING LICENSE

Joseph C. Lu Engineering, P.C.
Suite 200
339 East Avenue
Rochester, NY 14604

FILE NUMBER: 99-0907
LICENSE NUMBER: 29286
LICENSE CLASS: RESTRICTED
DATE OF ISSUE: 04/20/2022
EXPIRATION DATE: 04/30/2023

Duly Authorized Representative – Mitchell Smith:

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

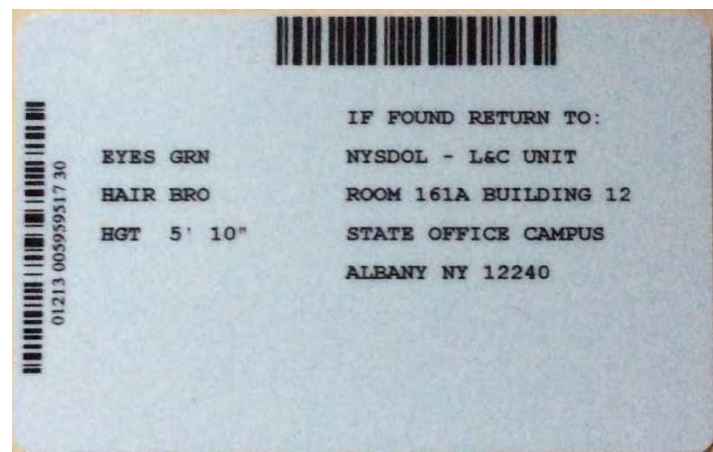
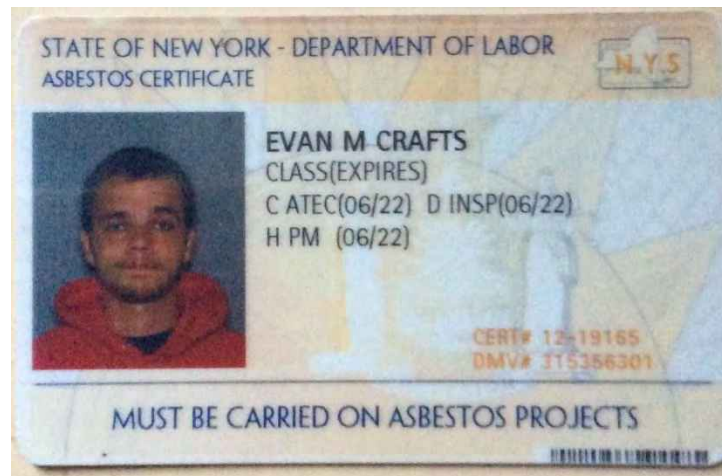
This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.



Amy Phillips, Director
For the Commissioner of Labor



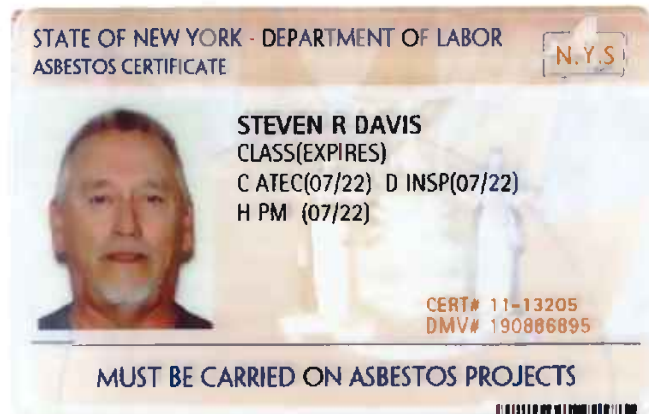
339 East Avenue, Suite 200
Rochester, New York 14604



EVAN CRAFTS
C – Air Sampling Technician
D – Inspector
H – Project Monitor



339 East Avenue, Suite 200
Rochester, New York 14604



EYES GRN
HAIR BRO
HGT 6' 01"

IF FOUND RETURN TO:
NYSDEL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240

Steven Davis
D - Inspector
C - Air Technician
H- Project Monitor

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2023
Issued April 01, 2022

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. STEVE DEVITO
PARADIGM ENVIRONMENTAL SERVICES INC
179 LAKE AVENUE
ROCHESTER, NY 14608

NY Lab Id No: 10958

*is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:*

Miscellaneous

Asbestos in Friable Material	Item 198.1 of Manual EPA 600/M4/82/020
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	Item 198.4 of Manual
Lead in Dust Wipes	EPA 6010C
Lead in Paint	EPA 6010C

Sample Preparation Methods

EPA 3050B

Serial No.: 64534

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

ATTACHMENT B

Field Data Sheet And Roof Core Profiles



ASBESTOS, LEAD PAINT and PCB CAULK SURVEY

ABANDONED BUILDING
58-66 CANAL STREET
LYONS, WAYNE COUNTY, NEW YORK

Field Data Sheet

Building Name: Abandoned Building

Project Number: 50514-01

Building Address: 58-66 Canal Street

Inspection Date: 6/19/2022, 6/29/2022

Lyons, Wayne County, New York

Space I.D.	Walls				Floor	Ceiling	TSI	Miscellaneous	Notes
	N	S	E	W					
58 Canal Street Second Floor	5, 11, 31, 32	5, 11, 31, 32	5, 11, 31, 32	5, 11, 31, 32	1, 2, 29, 30, Wood	31, 32		3, 4, 35	
58 Canal Street Third Floor	5, 11, 31, 32	5, 11, 31, 32	5, 11, 31, 32	5, 11, 31, 32	15, 16, 22, 17, Carpet, 6, 7, 8, 9, Wood	31, 32		3, 4	
60 Canal Street First Floor	5, 11, 31, 32, 42, 10, 45	5, 11, 31, 32, 42, 10, 45	5, 11, 31, 32, 41, 42, 10, 45	5, 11, 31, 32, 42, 10, 45	36, 37, 43, 44	42, 10		38, 39	
62 Canal Street Basement	13, Brick	13, Brick	13, Brick	13, Brick	Dirt	Wood	46		
62 Canal Street First Floor	44, 31, 32	44, 31, 32	44, 31, 32	44, 31, 32	47, 43, 44, 50, 51, 52, 53, 54, 55, Wood	31, 32		12	
64 Canal Street Second Floor Apartment A	56, 57, 58, 59	56, 57, 58, 59	56, 57, 58, 59	56, 57, 58, 59	Ceramic Tile, 61, 62, Wood	63, 57, 58, 59		14	
64 Canal Street Second Floor Apartment B	56, 57, 58, 59	56, 57, 58, 59	56, 57, 58, 59	56, 57, 58, 59	66, Wood	63, 57, 58, 59			
64 Canal Street Second Floor Apartment D	56, 57, 58, 59	56, 57, 58, 59	56, 57, 58, 59	56, 57, 58, 59	64, 65, Wood	63, 57, 58, 59			
64 Canal Street Second Floor Apartment C	56, 57, 58, 59	56, 57, 58, 59	56, 57, 58, 59	56, 57, 58, 59	67, 68, 22, 17, Wood	63, 57, 58, 59			
66 Canal Street Basement	Brick	Brick	Brick	Brick	Dirt	Wood	21		
66 Canal Street First Floor	Wood, 58, 59	Wood, 58, 59	Wood, 58, 59	Wood, 58, 59	18, 19, 20, Concrete	Metal Pan, Fiberglass Tiles, Wood			

Field Data Sheet

Building Name: Abandoned Building

Project Number: 50514-01

Building Address: 58-66 Canal Street

Inspection Date: 6/19/2022, 6/29/2022

Lyons, Wayne County, New York

Space I.D.	Walls				Floor	Ceiling	TSI	Miscellaneous	Notes
	N	S	E	W					
58-66 Canal Street Exterior	Brick	Brick	Brick	Brick	23, 24, 25, 26, 27, 28, Wood (Roof)			40	

ROOF CORE PROFILES
Abandoned Building
58-66 Canal Street, Lyons, Wayne County, New York
July 2022

Core #1 – 58 Canal Street South Side of Roof –
2" Depth

- Silver Coating (HA #23)
- Black Tar Paper (HA #24)
- Black Tar (HA #25)
- ***Black Tar Paper (HA #26)***
- Black Tar (HA #27)
- ***Black Tar Paper (#28)***

Core #2 – Southwest Side of Roof – 2" Depth

- Silver Coating (HA #23)
- Black Tar Paper (HA #24)
- Black Tar (HA #25)
- ***Black Tar Paper (HA #26)***
- Black Tar (HA #27)
- ***Black Tar Paper (#28)***

Lu Project #50514-01



Note:

1. ***Bold & italicized*** layers indicate materials are positive for asbestos.

ATTACHMENT C

*Sample Location Plans,
Analytical Reports and
Chain of Custody Forms*

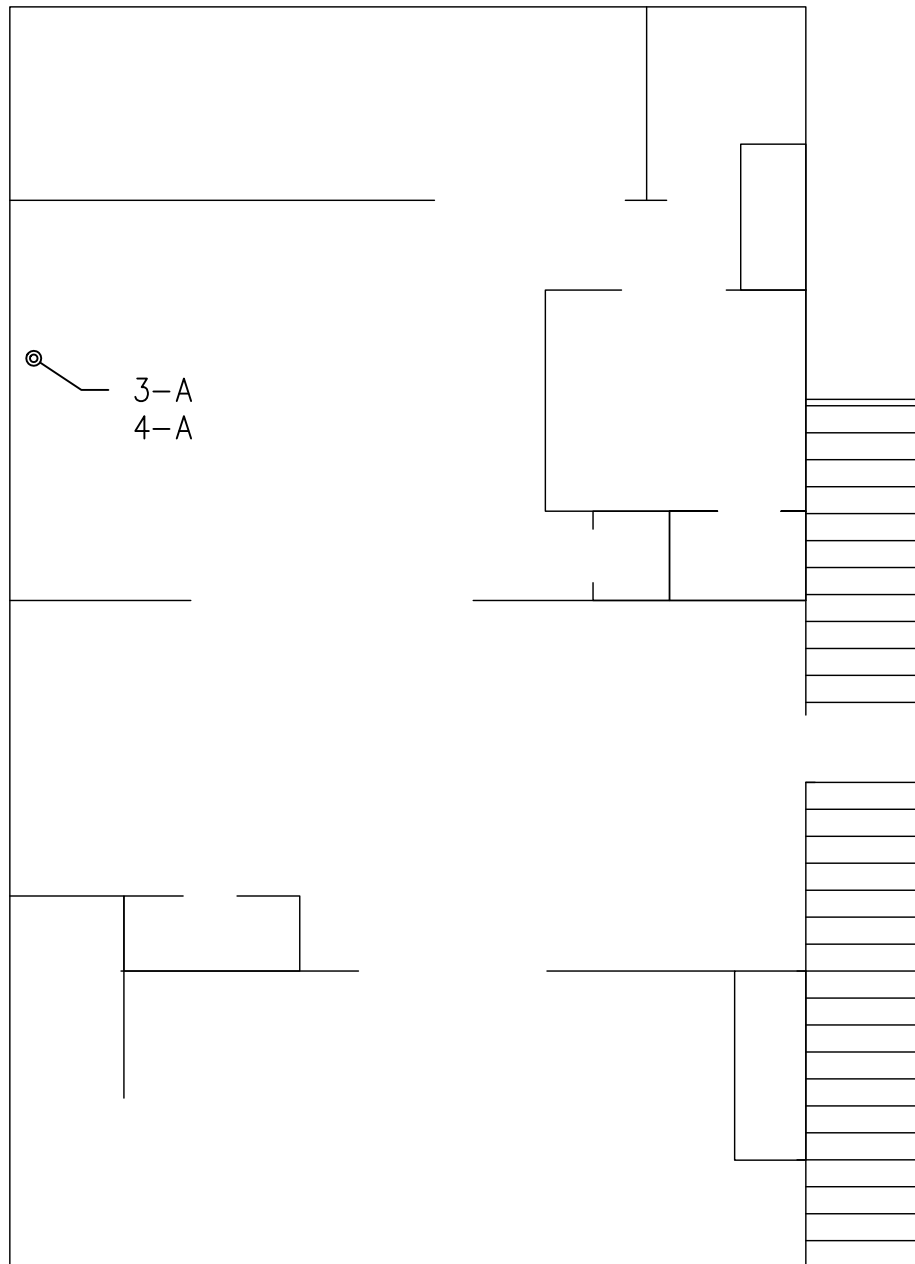


ASBESTOS, LEAD PAINT and PCB CAULK SURVEY

ABANDONED BUILDING

58-66 CANAL STREET

LYONS, WAYNE COUNTY, NEW YORK



LEGEND



1-A

ASBESTOS BULK SAMPLE
LOCATION & SAMPLE NUMBER

FIGURE 1. BULK SAMPLE LOCATION PLAN

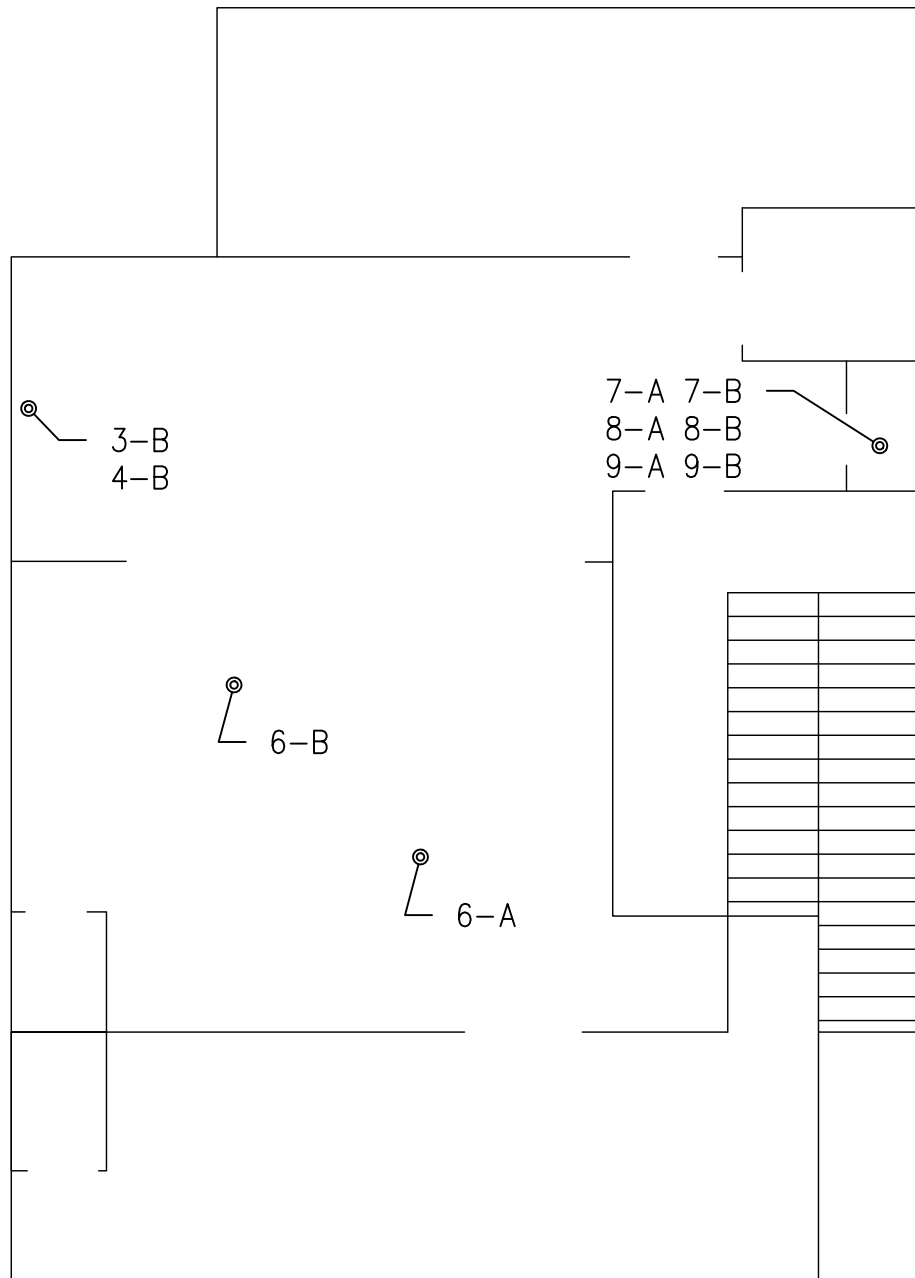
58-66 CANAL STREET
LYONS | WAYNE COUNTY | NEW YORK

58 CANAL STREET SECOND FLOOR PLAN

DATE: JULY 2022

SCALE: N.T.S.

PROJECT NO: 50514-01



LEGEND



1-A

ASBESTOS BULK SAMPLE
LOCATION & SAMPLE NUMBER

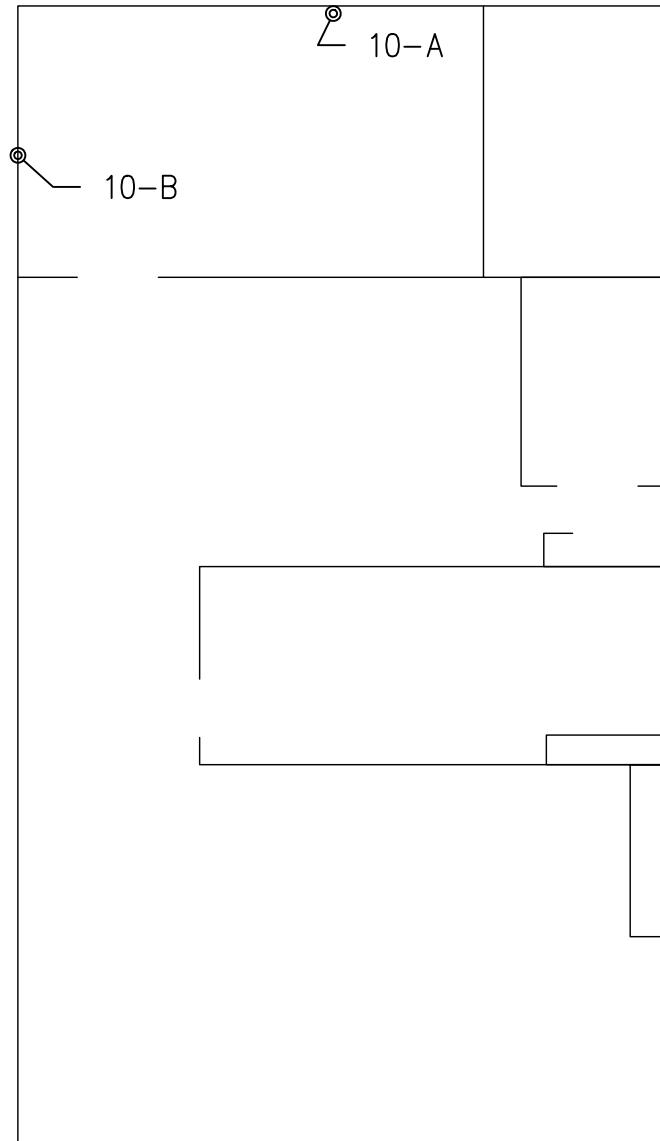
FIGURE 2. BULK SAMPLE LOCATION PLAN

58-66 CANAL STREET
LYONS | WAYNE COUNTY | NEW YORK
58 CANAL STREET THIRD FLOOR PLAN

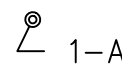
DATE: JULY 2022

SCALE: N.T.S.

PROJECT NO: 50514-01



LEGEND



ASBESTOS BULK SAMPLE
LOCATION & SAMPLE NUMBER

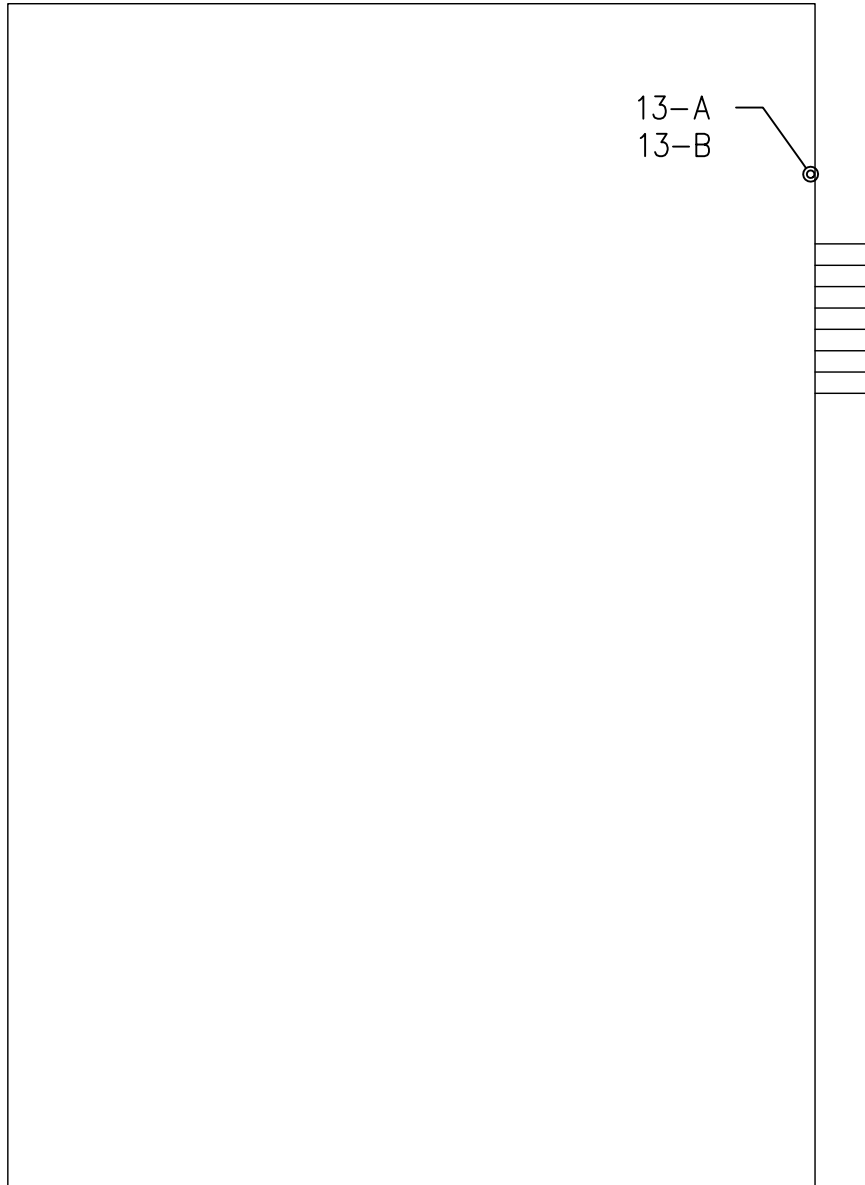
FIGURE 3. BULK SAMPLE LOCATION PLAN

58-66 CANAL STREET
LYONS | WAYNE COUNTY | NEW YORK
60 CANAL STREET FIRST FLOOR PLAN

DATE: JULY 2022

SCALE: N.T.S.

PROJECT NO: 50514-01



LEGEND



ASBESTOS BULK SAMPLE
LOCATION & SAMPLE NUMBER

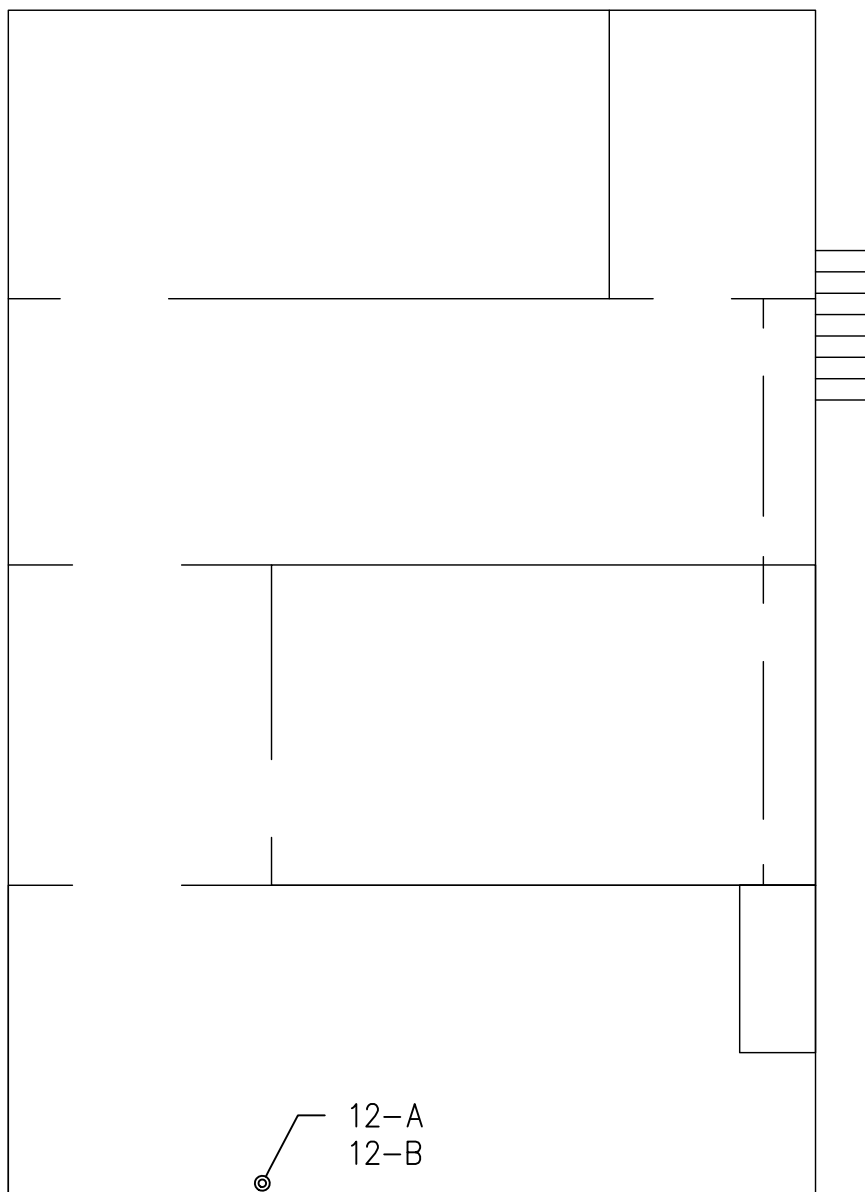
FIGURE 4. BULK SAMPLE LOCATION PLAN

58-66 CANAL STREET
LYONS | WAYNE COUNTY | NEW YORK
62 CANAL STREET BASEMENT PLAN

DATE: JULY 2022

SCALE: N.T.S.

PROJECT NO: 50514-01



LEGEND



ASBESTOS BULK SAMPLE
LOCATION & SAMPLE NUMBER

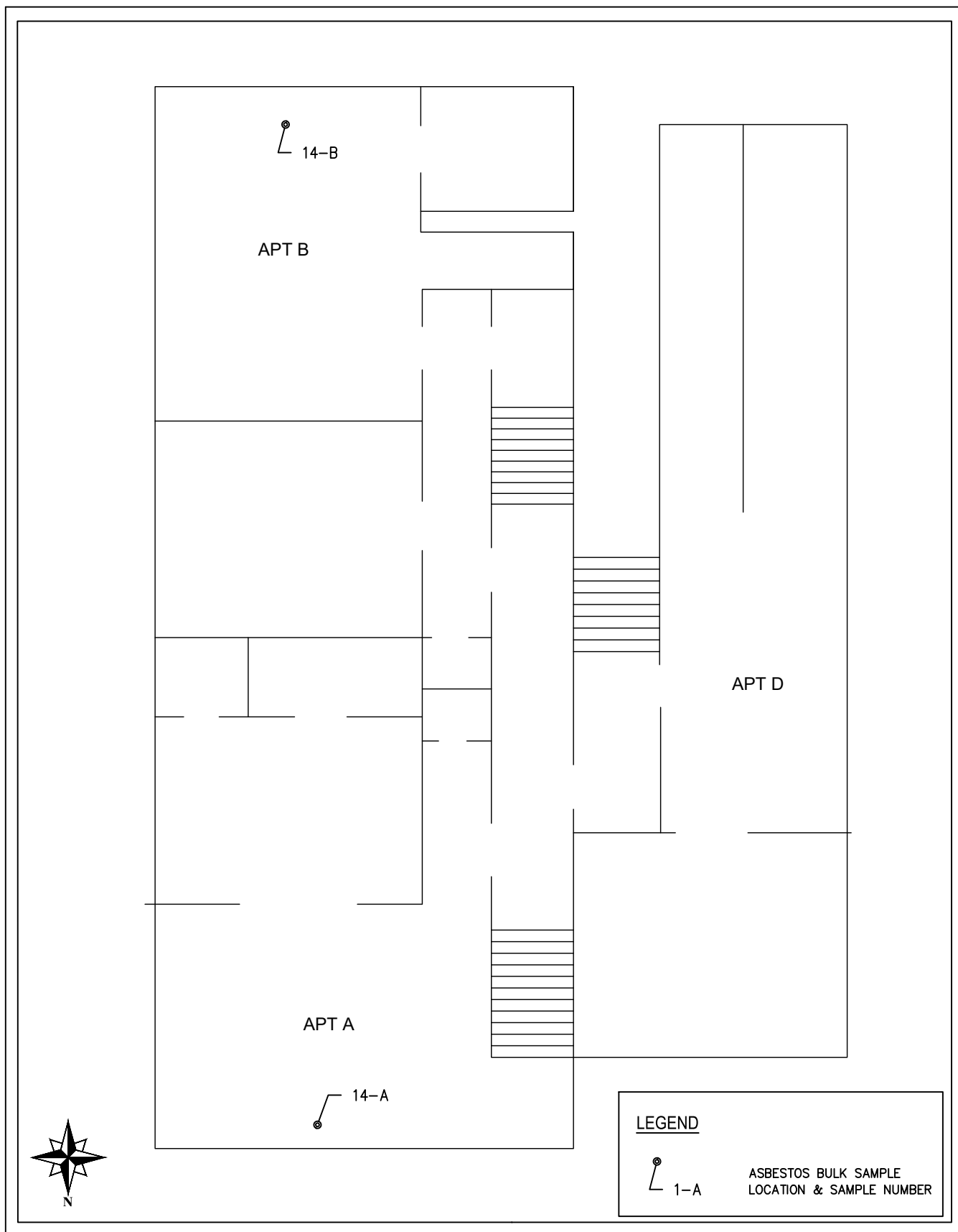
FIGURE 5. BULK SAMPLE LOCATION PLAN

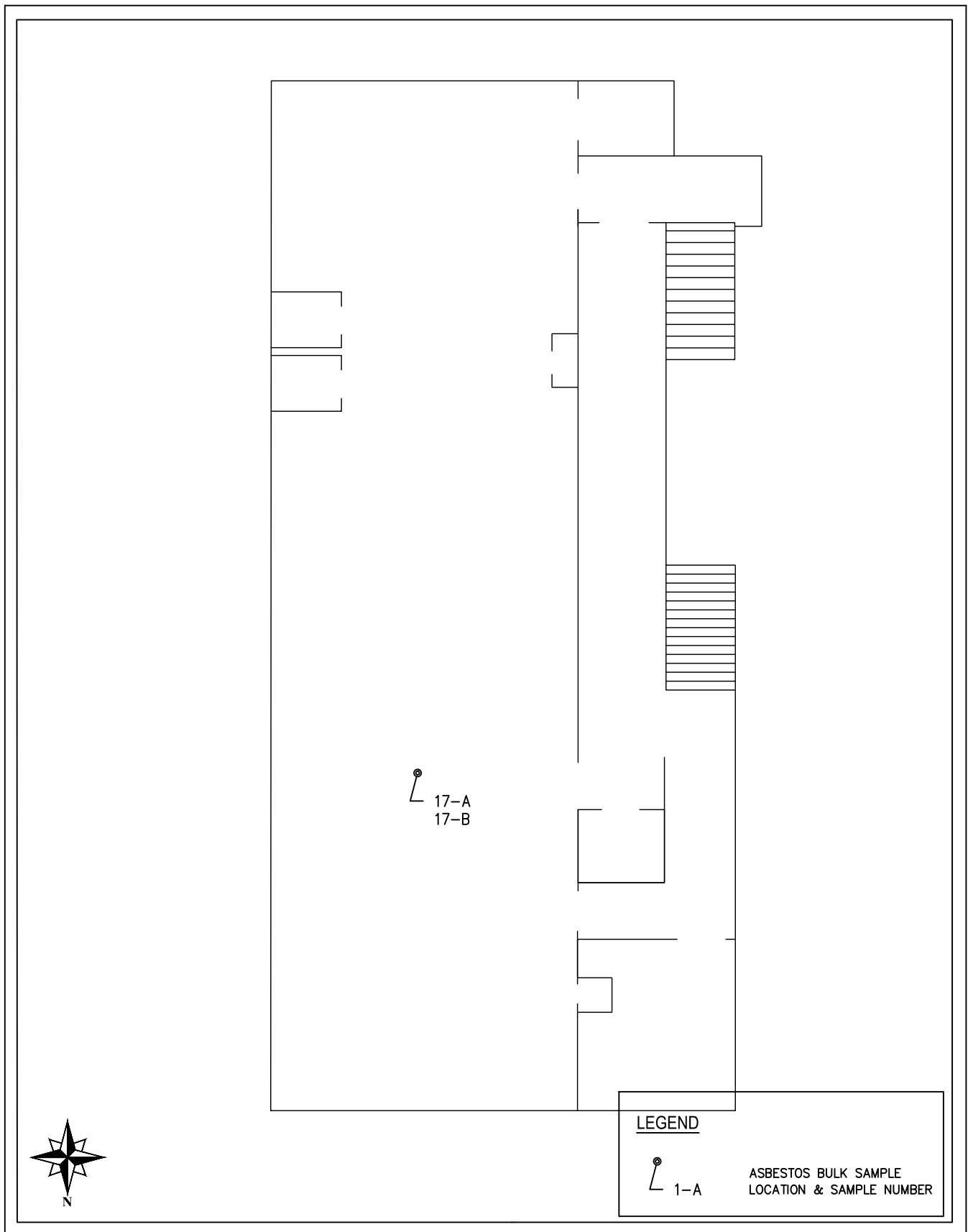
58-66 CANAL STREET
LYONS | WAYNE COUNTY | NEW YORK
62 CANAL STREET FIRST FLOOR PLAN

DATE: JULY 2022

SCALE: N.T.S.

PROJECT NO: 50514-01





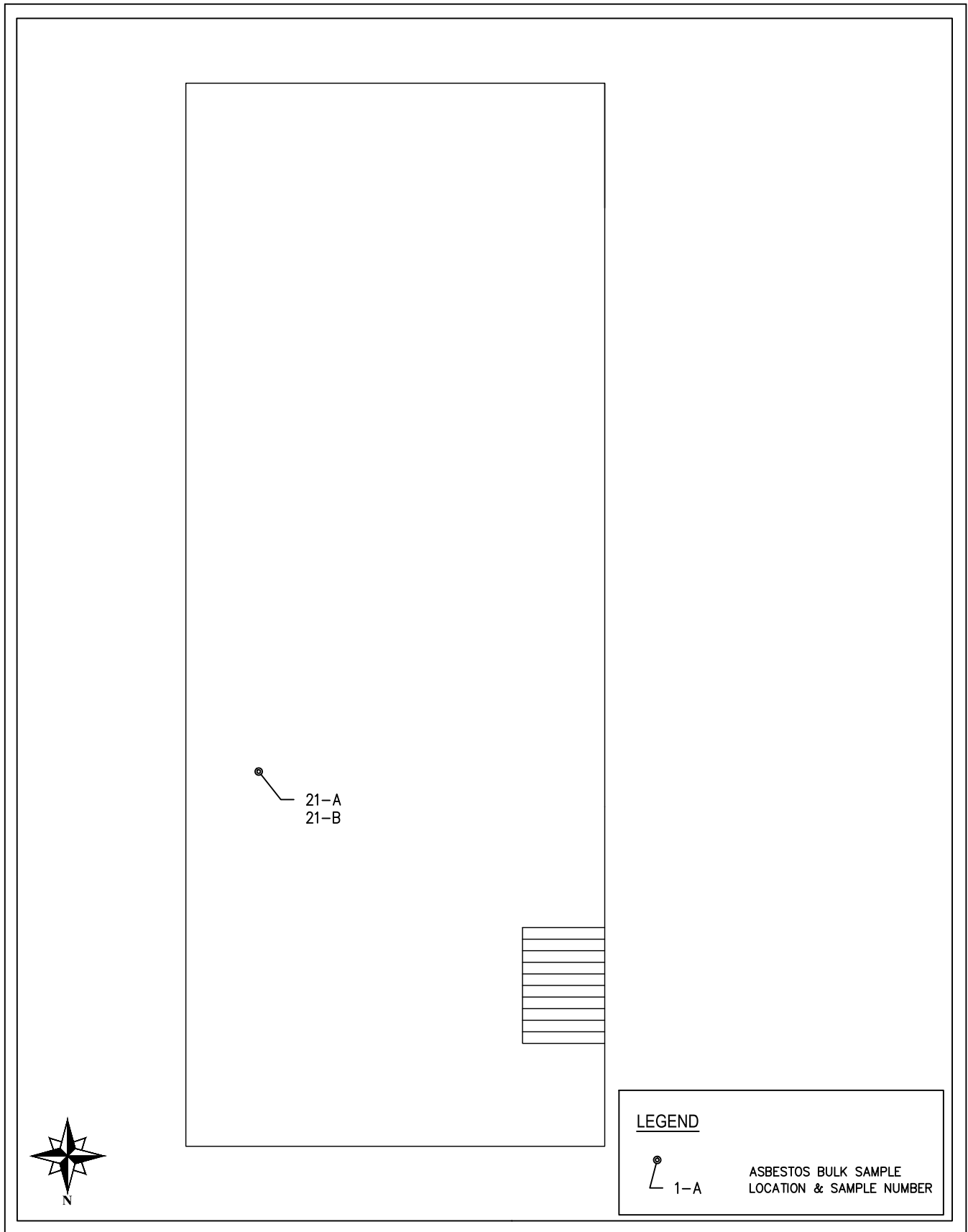


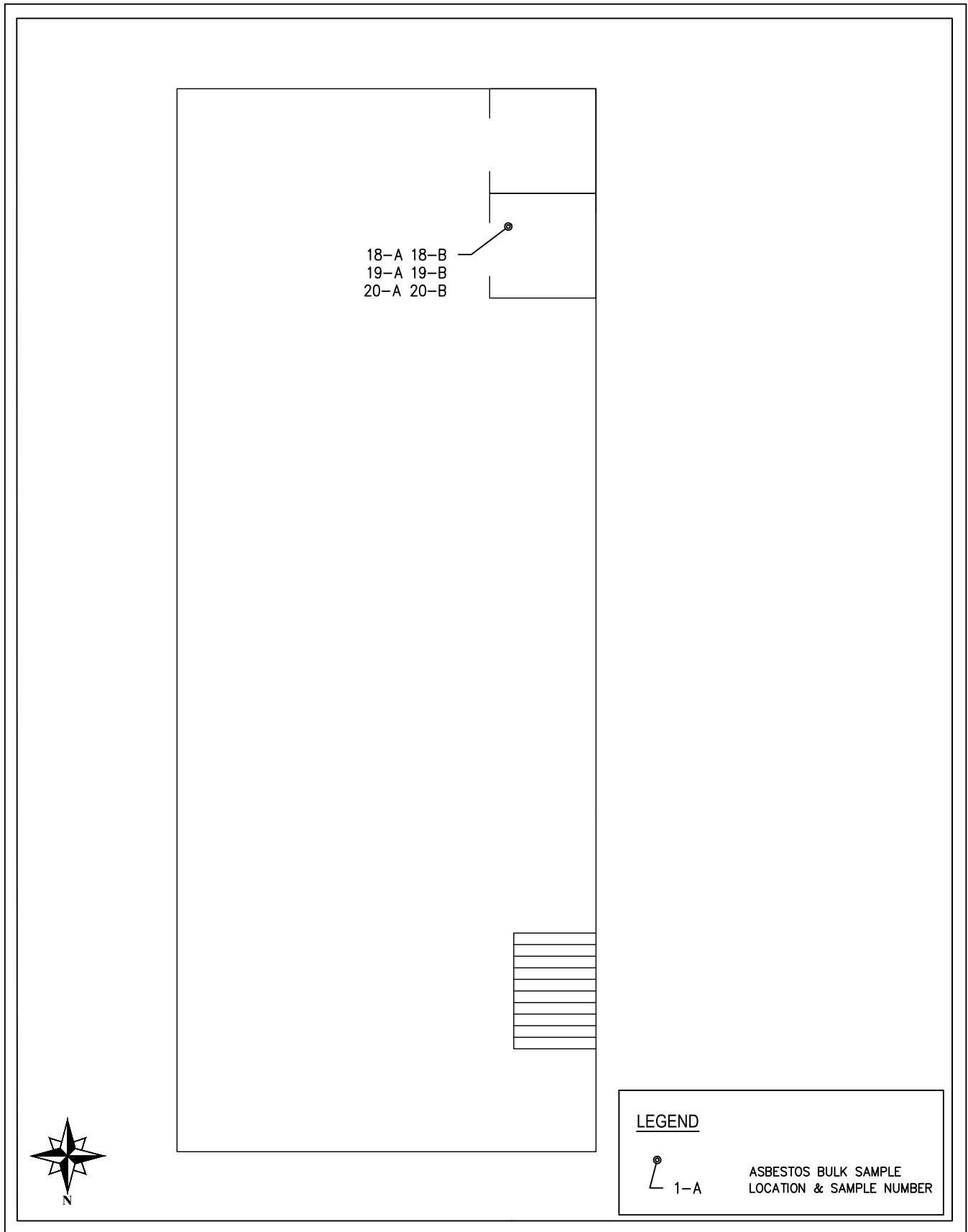
FIGURE 8. BULK SAMPLE LOCATION PLAN

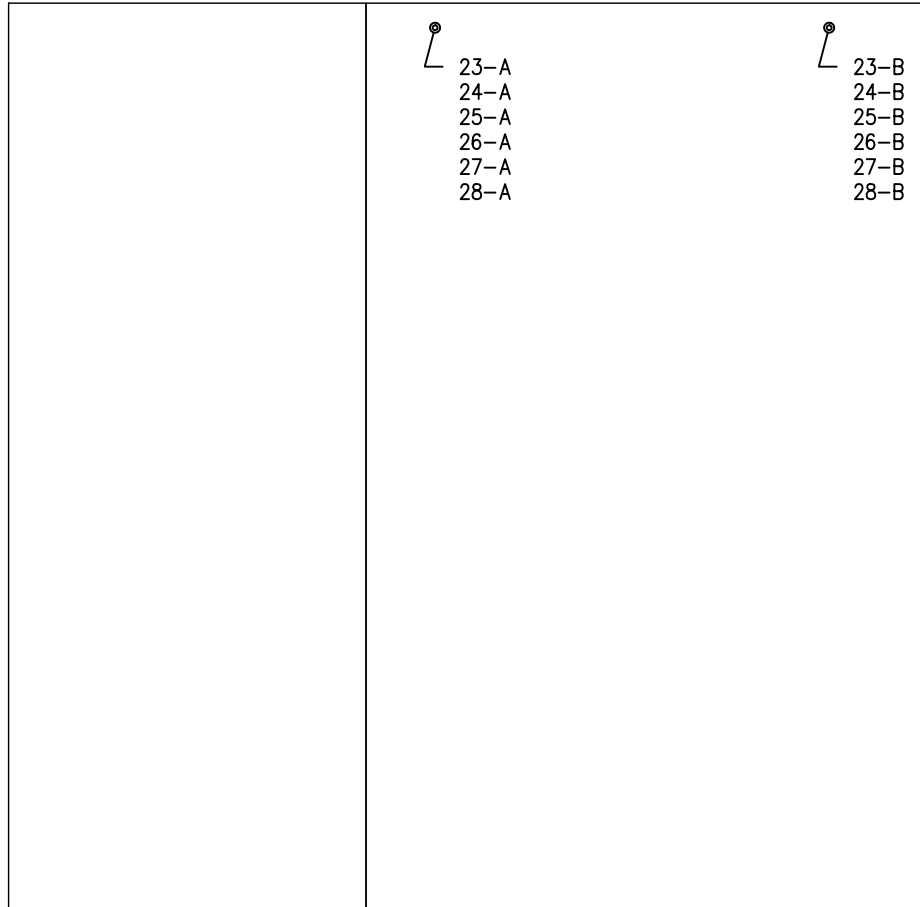
58-66 CANAL STREET
LYONS | WAYNE COUNTY | NEW YORK
66 CANAL STREET BASEMENT FLOOR PLAN

DATE: JULY 2022

SCALE: N.T.S.

PROJECT NO: 50514-01





LEGEND



ASBESTOS BULK SAMPLE
LOCATION & SAMPLE NUMBER

FIGURE 10. BULK SAMPLE LOCATION PLAN

58-66 CANAL STREET
LYONS | WAYNE COUNTY | NEW YORK
58-66 CANAL STREET EXTERIOR

DATE: JULY 2022

SCALE: N.T.S.

PROJECT NO: 50514-01



PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: Lu Engineers
Location: Wayne County Land Bank
58-66 Canal Street, Lyons, New York

Job No: 4683-22
Page: 1 of 10

Sample Date: 6/16/2022

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non- Fibrous Matrix Material %
3-A	41150	58 Canal Street-Second Floor Kitchen Sink	White Sink Undercoating	<1.0% Residue Remaining. PLM and TEM Not Required.	N/A	X	N/A	N/A	N/A	N/A
3-B	41151	58 Canal Street-Third Floor Kitchen Sink	White Sink Undercoating	<1.0% Residue Remaining. PLM and TEM Not Required.	N/A	X	N/A	N/A	N/A	N/A
4-A	41152	58 Canal Street-Second Floor Kitchen Sink	Black Sink Undercoating	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
4-B	41153	58 Canal Street-Third Floor Kitchen Sink	Black Sink Undercoating	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
6-A	41154	58 Canal Street-Third Floor Living Room	Tan Carpet Mastic	Inconclusive No Asbestos Detected	0%	✓	Trace Chrysotile <1.0%	<1.0%	None Detected	100%
6-B	41155	58 Canal Street-Third Floor Living Room	Tan Carpet Mastic	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
7-A	41156	58 Canal Street-Third Floor Utility Closet	Brown 9"x9" Floor Tile	Chrysotile 3.9%	3.9%	✓	Not Required	N/A	None Detected	96.1%
7-B	41157	58 Canal Street-Third Floor Utility Closet	Brown 9"x9" Floor Tile	STOP	POSITIVE	X	SAMPLE	NOT	ANALYZED	N/A
8-A	41158	58 Canal Street-Third Floor Utility Room	Black 9"x9" Floor Tile with Red Streaks	Chrysotile 4.5%	4.5%	✓	Not Required	N/A	None Detected	95.5%
8-B	41159	58 Canal Street-Third Floor Utility Room	Black 9"x9" Floor Tile with Red Streaks	STOP	POSITIVE	X	SAMPLE	NOT	ANALYZED	N/A

KEY TO NOB COLUMN SYMBOLS

No Symbol in the NOB column denotes sample analyzed by ELAP Method 198.1 (PLM).

✓ NOB (non-friable organically bound) denotes material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM) as noted.

⚡ denotes material analyzed by ELAP Method 198.6 (PLM) per NYSDOH. This Method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.

denotes friable material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM) as noted.

X denotes sample prepped only by ELAP Method 198.6.

** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials.

Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.") or EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 200530-0).



Lab Code 200530-0 for PLM Analysis

Microscope: Olympus BH-2 #211874

PLM Analyst: T. Bush

Date of Analysis: 7/11/2022

Microscope: JEOL-100CX-II #EM-156094-87

TEM Analyst: M. Lochner

Date of Analysis: 7/12/2022

Laboratory Results Approved By:
Asbestos Technical Director or Designee

Fernanda Weinman

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ELAP ID No.: 10958



PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: Lu Engineers
Location: Wayne County Land Bank
58-66 Canal Street, Lyons, New York
Sample Date: 6/16/2022

Job No: 4683-22
Page: 2 of 10

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non- Fibrous Matrix Material %
9-A	41160	58 Canal Street-Third Floor Utility Room	Black Floor Tile Mastic	Inconclusive No Asbestos Detected	0%	✓	Trace Chrysotile <1.0%	<1.0%	None Detected	100%
9-B	41161	58 Canal Street-Third Floor Utility Room	Black Floor Tile Mastic	Inconclusive No Asbestos Detected	0%	✓	Chrysotile 2.8%	2.8%	None Detected	97.2%
10-A	41162	60 Canal Street-Kitchen at Ceiling	Tan Adhesive	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
10-B	41163	60 Canal Street-Kitchen at Ceiling	Tan Adhesive	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
12-A	41164	62 Canal Street-Front Room	Black Fibrous Braided Wiring	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	Fiberglass 35%	65%
12-B	41165	62 Canal Street-Front Room	Black Fibrous Braided Wiring	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	Fiberglass 35%	65%
13-A	41166	62 Canal Street- Basement at Brick	Tan Parge Coating	None Detected	0%		Not Required	N/A	None Detected	100%
13-B	41167	62 Canal Street- Basement at Brick	Tan Parge Coating	None Detected	0%		Not Required	N/A	None Detected	100%
14-A	41168	64 Canal Street- Apartment A, Kitchen Sink	Black Sink Undercoating	Chrysotile 5.8%	5.8%	✓	Not Required	N/A	None Detected	94.2%
14-B	41169	64 Canal Street- Apartment B, Kitchen Sink	Black Sink Undercoating	STOP	POSITIVE	X	SAMPLE	NOT	ANALYZED	N/A

KEY TO NOB COLUMN SYMBOLS

No Symbol in the NOB column denotes sample analyzed by ELAP Method 198.1 (PLM).

✓ NOB (non-friable organically bound) denotes material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM) as noted.

⌈ denotes material analyzed by ELAP Method 198.6 (PLM) per NYSDOH. This Method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.

denotes friable material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM) as noted.

X denotes sample prepped only by ELAP Method 198.6.

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Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples") or EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 200530-0).



Lab Code 200530-0 for PLM Analysis

Microscope: Olympus BH-2 #211874

PLM Analyst: T. Bush

Date of Analysis: 7/11/2022

Microscope: JEOL-100CX-II #EM-156094-87

TEM Analyst: M. Lochner

Date of Analysis: 7/12/2022

Laboratory Results Approved By:

Asbestos Technical Director or Designee

Fernanda Weinman

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ELAP ID No.: 10958



PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: Lu Engineers
Location: Wayne County Land Bank
58-66 Canal Street, Lyons, New York
Sample Date: 6/16/2022

Job No: 4683-22
Page: 3 of 10

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non- Fibrous Matrix Material %
17-A	41170	64 Canal Street-Living Room	Tan Floor Tile Mastic	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
17-B	41171	64 Canal Street-Living Room	Tan Floor Tile Mastic	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
18-A	41172	66 Canal Street-Bathroom	White Ceramic Floor Tile	None Detected	0%		Not Required	N/A	None Detected	100%
18-B	41173	66 Canal Street-Bathroom	White Ceramic Floor Tile	None Detected	0%		Not Required	N/A	None Detected	100%
19-A	41174	66 Canal Street-Bathroom	Gray Grout	None Detected	0%		Not Required	N/A	None Detected	100%
19-B	41175	66 Canal Street-Bathroom	Gray Grout	None Detected	0%		Not Required	N/A	None Detected	100%
20-A	41176	66 Canal Street-Bathroom	Yellow Mastic	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
20-B	41177	66 Canal Street-Bathroom	Yellow Mastic	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
21-A	41178	66 Canal Street-Basement Above Furnace	Gray Transite Panel	Chrysotile 31%	31%		Not Required	N/A	None Detected	69%
21-B	41179	66 Canal Street-Basement Above Furnace	Gray Transite Panel	STOP	POSITIVE		SAMPLE	NOT	ANALYZED	N/A

KEY TO NOB COLUMN SYMBOLS

No Symbol in the NOB column denotes sample analyzed by ELAP Method 198.1 (PLM).

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denotes friable material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM) as noted.

X denotes sample prepped only by ELAP Method 198.6.

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Lab Code 200530-0 for PLM Analysis

Microscope: Olympus BH-2 #211874

PLM Analyst: T. Bush

Date of Analysis: 7/11/2022

Microscope: JEOL-100CX-II #EM-156094-87

TEM Analyst: M. Lochner

Date of Analysis: 7/12/2022

Laboratory Results Approved By:
Asbestos Technical Director or Designee

Fernanda Weinman

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ELAP ID No.: 10958



PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: Lu Engineers
Location: Wayne County Land Bank
58-66 Canal Street, Lyons, New York
Sample Date: 6/16/2022

Job No: 4683-22
Page: 4 of 10

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	N O B	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non- Fibrous Matrix Material %
23-A	41180	South Side of Roof-64 Canal Street	Silver Coating and Black Tar Paper	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
23-B	41181	South Side of Roof-58 Canal Street	Silver Coating and Black Tar Paper	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
24-A	41182	South Side of Roof-64 Canal Street	Unable to Separate From 23-A	N/A	N/A		N/A	N/A	N/A	N/A
24-B	41183	South Side of Roof-58 Canal Street	Unable to Separate From 23-B	N/A	N/A		N/A	N/A	N/A	N/A
25-A	41184	South Side of Roof-64 Canal Street	Black Tar	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
25-B	41185	South Side of Roof-58 Canal Street	Black Tar	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
26-A	41186	South Side of Roof-64 Canal Street	Black Tar and Black Tar Paper	Chrysotile 1.9%	1.9%	✓	Not Required	N/A	None Detected	98.1%
26-B	41187	South Side of Roof-58 Canal Street	Black Tar and Black Tar Paper	STOP	POSITIVE	X	SAMPLE	NOT	ANALYZED	N/A
27-A	41188	South Side of Roof-64 Canal Street	Unable to Separate From 26-A	N/A	N/A		N/A	N/A	N/A	N/A
27-B	41189	South Side of Roof-58 Canal Street	Unable to Separate From 26-B	N/A	N/A		N/A	N/A	N/A	N/A

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denotes friable material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM) as noted.

X denotes sample prepped only by ELAP Method 198.6.

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Lab Code 200530-0 for PLM Analysis

Microscope: Olympus BH-2 #211874

PLM Analyst: T. Bush

Date of Analysis: 7/11/2022

Microscope: JEOL-100CX-II #EM-156094-87

TEM Analyst: M. Lochner

Date of Analysis: 7/12/2022

Laboratory Results Approved By:
Asbestos Technical Director or Designee

Fernanda Weinman

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ELAP ID No.: 10958



PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: Lu Engineers
Location: Wayne County Land Bank
58-66 Canal Street, Lyons, New York
Sample Date: 6/16/2022

Job No: 4683-22
Page: 5 of 10

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	N O B	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non- Fibrous Matrix Material %
28-A	41190	South Side of Roof-64 Canal Street	Black Tar Paper	Inconclusive Trace Chrysotile Detected	<1.0%	✓	Chrysotile 2.5%	2.5%	None Detected	97.5%
28-B	41191	South Side of Roof-58 Canal Street	Black Tar Paper	Inconclusive Trace Chrysotile Detected	<1.0%	✓	Stop Positive ** No TEM	N/A	None Detected	100%

KEY TO NOB COLUMN SYMBOLS

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 ✓ NOB (non-friable organically bound) denotes material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM) as noted.
 √ denotes material analyzed by ELAP Method 198.6 (PLM) per NYSDOH. This Method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.
 # denotes friable material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM) as noted.
 X denotes sample prepped only by ELAP Method 198.6.
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PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples") or EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 200530-0).



Lab Code 200530-0 for PLM Analysis

Microscope: Olympus BH-2 #211874

PLM Analyst: T. Bush

Date of Analysis: 7/8/2022

Microscope: JEOL-100CX-II #EM-156094-87

TEM Analyst: M. Lochner

Date of Analysis: 7/9/2022

ELAP ID No.: 10958

Laboratory Results Approved By:
Asbestos Technical Director or Designee

Fernanda Weinman

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Bulk Sample Chain of Custody



Lu Engineers
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10F5 681053
4683-22

Project Name: Wayne County Land Bank – Canal Street		Lu Project # 50514-01	
Site Address: 58-66 Canal Street, Lyons, New York		Laboratory Name: Paradigm Environmental Services	
Results to:		Laboratory Address: 179 Lake Avenue Rochester, New York	
Lu Engineers 339 East Avenue, Suite 200 Rochester, NY 14604 Email: msmith@luengineers.com , sdavis@luengineers.com , ecrafts@luengineers.com		Turn Around Time <u>72</u> ☐ Immediate ☐ 12 HR ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 Day	
Sample Type		Comments:	
☒ NYS ELAP PLM/TEM ☐ PLM Only ☐ TEM Only		STOP POSITIVE	
FIELD ID	SAMPLE LOCATION	MATERIAL	NOTES
3-A	58 Canal St. – Second Floor Kitchen Sink	White Sink Undercoating	
3-B	58 Canal St. – Third Floor Kitchen Sink	White Sink Undercoating	
4-A	58 Canal St. – Second Floor Kitchen Sink	Black Sink Undercoating	
4-B	58 Canal St. – Third Floor Kitchen Sink	Black Sink Undercoating	
6-A	58 Canal St. – Third Floor Living Room	Tan Carpet Mastic	
6-B	58 Canal St. – Third Floor Living Room	Tan Carpet Mastic	
7-A	58 Canal St. – Third Floor Utility Closet	Brown 9" x 9" Floor Tile	
7-B	58 Canal St. – Third Floor Utility Closet	Brown 9" x 9" Floor Tile	
8-A	58 Canal St. – Third Floor Utility Room	Black 9" x 9" Floor Tile with Red Streaks	
8-B	58 Canal St. – Third Floor Utility Room	Black 9" x 9" Floor Tile with Red Streaks	

Date Sampled: 6-16-2022

Inspector: E.Crafts

Relinquished By [Signature]

Received By [Signature]

Date/Time 7/5/22

Date/Time 7.5.22 1043

Bulk Sample Chain of Custody



Lu Engineers
ENVIRONMENTAL • TRANSPORTATION • CIVIL

2025 7/15/22 4683-22

Project Name: Wayne County Land Bank – Canal Street		Lu Project # 50514-01	
Site Address: 58-66 Canal Street, Lyons, New York		Laboratory Name: Paradigm Environmental Services	
Results to:		Laboratory Address: 179 Lake Avenue Rochester, New York	
Lu Engineers 339 East Avenue, Suite 200 Rochester, NY 14604 Email: msmith@luengineers.com , sdavis@luengineers.com , ecrafts@luengineers.com		Sample Type ☒ NYS ELAP PLM/TEM ☐ PLM Only ☐ TEM Only	
		Turn Around Time <u>112</u> ☐ Immediate ☐ 12 HR ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 Day	
		Comments: STOP POSITIVE	
FIELD ID	SAMPLE LOCATION	MATERIAL	NOTES
41166 9-A	58 Canal St. – Third Floor Utility Room	Black Floor Tile Mastic	
161 9-B	58 Canal St. – Third Floor Utility Room	Black Floor Tile Mastic	
162 10-A	60 Canal St. – Kitchen at Ceiling	Tan Adhesive	Under Ceiling Tile used as a Border at Ceiling
163 10-B	60 Canal St. – Kitchen at Ceiling	Tan Adhesive	Under Ceiling Tile used as a Border at Ceiling
164 12-A	62 Canal St. – Front Room	Black Braided Wiring	
165 12-B	62 Canal St. – Front Room	Black Braided Wiring	
166 13-A	62 Canal St. – Basement on Brick	Tan Parge Coating	
167 13-B	62 Canal St. – Basement on Brick	Tan Parge Coating	
168 14-A	64 Canal St. – Apartment A, Kitchen Sink	Black Sink Undercoating	
169 14-B	64 Canal St. – Apartment B, Kitchen Sink	Black Sink Undercoating	

Date Sampled: 6-16-2022

Inspector: E.Crafts

Relinquished By [Signature]

Date/Time 7/15/22

Received By [Signature]

Date/Time 7-5-22 1044

Bulk Sample Chain of Custody



Lu Engineers
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30F5 8d1053
4683-22

Project Name: Wayne County Land Bank – Canal Street		Lu Project # 50514-01	
Site Address: 58-66 Canal Street, Lyons, New York		Laboratory Name: Paradigm Environmental Services	
Results to:		Laboratory Address: 179 Lake Avenue Rochester, New York	
Lu Engineers 339 East Avenue, Suite 200 Rochester, NY 14604 Email: msmith@luengineers.com , sdavis@luengineers.com , ecrafts@luengineers.com		Sample Type ☒ NYS ELAP PLM/TEM ☐ PLM Only ☐ TEM Only	
		Turn Around Time <u>12</u> ☐ Immediate ☐ 12 HR ☐ 24 HR ☐ 48 HR ☒ 72 HR ☒ 5 Day	
		Comments: STOP POSITIVE	
FIELD ID	SAMPLE LOCATION	MATERIAL	NOTES
41170 171	64 Canal St. – Living Room	Tan Floor Tile Mastic	Under Grey 12"x 12" Sampled by LiRo
172	64 Canal St. – Living Room	Tan Floor Tile Mastic	Under Grey 12"x 12" Sampled by LiRo
173	66 Canal St. – Bathroom	White Ceramic Floor Tile	
174	66 Canal St. – Bathroom	White Ceramic Floor Tile	
175	66 Canal St. – Bathroom	Grey Grout	
176	66 Canal St. – Bathroom	Grey Grout	
177	66 Canal St. – Bathroom	Yellow Mastic	
178	66 Canal St. – Bathroom	Yellow Mastic	
179	66 Canal St. – Basement above Furnace	Grey Transite Panel	
	66 Canal St. – Basement above Furnace	Grey Transite Panel	

Date Sampled: 6-16-2022

Inspector: E.Crafts

Relinquished By [Signature]

Received By [Signature]

Date/Time 7/5/22

Date/Time 7/5/22-1045

Bulk Sample Chain of Custody



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90F5
9/2/22
4683-22

Project Name: Wayne County Land Bank – Canal Street	Lu Project # 50514-01
Site Address: 58-66 Canal Street, Lyons, New York	Laboratory Name: Paradigm Environmental Services
Results to: Lu Engineers 339 East Avenue, Suite 200 Rochester, NY 14604 Email: msmith@luengineers.com , sdavis@luengineers.com , ecrafts@luengineers.com	Laboratory Address: 179 Lake Avenue Rochester, New York
Sample Type ☒ NYS ELAP PLM/TEM ☐ PLM Only ☐ TEM Only	Turn Around Time <u>12</u> ☐ Immediate ☐ 12 HR ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 Day
Comments: STOP POSITIVE	

FIELD ID	SAMPLE LOCATION	MATERIAL	NOTES
23-A	South Side of Roof - 64 Canal St.	Silver Coating	
23-B	South Side of Roof - 58 Canal St.	Silver Coating	
24-A	South Side of Roof - 64 Canal St.	Black Tar Paper	
24-B	South Side of Roof - 58 Canal St.	Black Tar Paper	
25-A	South Side of Roof - 64 Canal St.	Black Tar	
25-B	South Side of Roof - 58 Canal St.	Black Tar	
26-A	South Side of Roof - 64 Canal St.	Black Tar Paper	
26-B	South Side of Roof - 58 Canal St.	Black Tar Paper	
27-A	South Side of Roof - 64 Canal St.	Black Tar	
27-B	South Side of Roof - 58 Canal St.	Black Tar	

Date Sampled: 6-29-2022
Inspector: S.Davis/ E.Crafts
Relinquished By: [Signature] Date/Time: 7/5/22
Received By: [Signature] Date/Time: 7.6.22 1046
339 East Avenue, Suite 200, Rochester, NY 14604 | Ph 585.385.7417 | Fax 585.546.1634 | luengineers.com

Lu Engineers

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5F05 128110 S

4683-22)

Date Sampled: 6-29-2022

Inspector: S.Davis/E.Crafts

Relinquished By:  Date/Time: 7/5/02

Received By:  Date/Time: 7.5.22 1047

339 East Avenue, Suite 200, Rochester, NY 14604 | Ph 585.385.7417 | Fax 585.546.1634 | luengineers.com

339 East Avenue, Suite 200, Rochester, NY 14604 | Ph 585 385.7417 | Fax 585.546.1634 | luenengineers.com

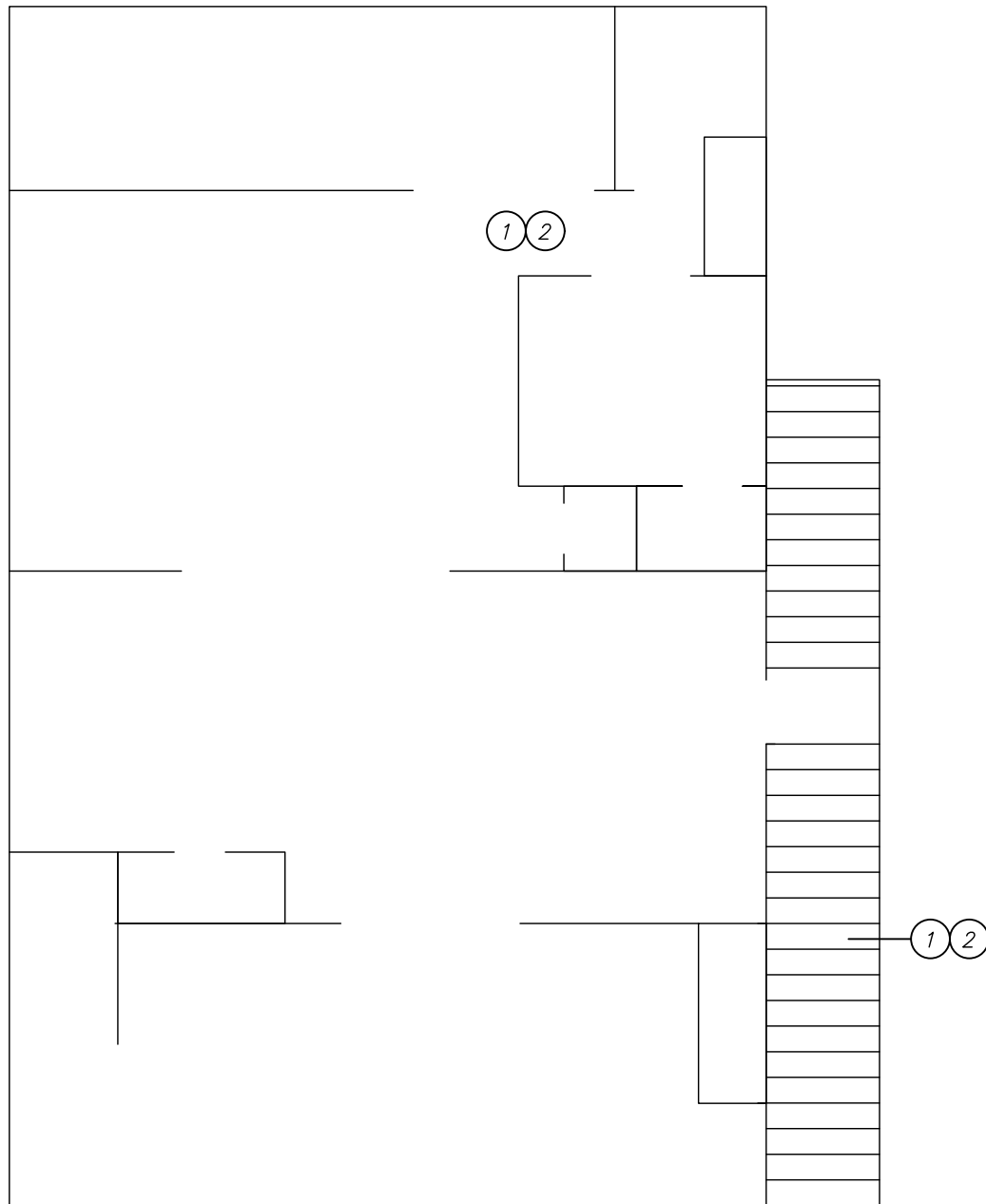
ATTACHMENT D

Asbestos Location Plans and Asbestos Inspection Summary Table



ASBESTOS, LEAD PAINT and PCB CAULK SURVEY

ABANDONED BUILDING
58-66 CANAL STREET
LYONS, WAYNE COUNTY, NEW YORK



LEGEND

①

APPROXIMATE LOCATION OF ASBESTOS
CONTAINING BROWN 9"x9" FLOOR TILE

②

APPROXIMATE LOCATION OF ASBESTOS
CONTAINING BLACK FLOOR TILE MASTIC

FIGURE 11. ASBESTOS LOCATION PLAN

58-66 CANAL STREET
LYONS | WAYNE COUNTY | NEW YORK
58 CANAL STREET SECOND FLOOR PLAN

DATE: JULY 2022

SCALE: N.T.S.

PROJECT NO: 50514-01

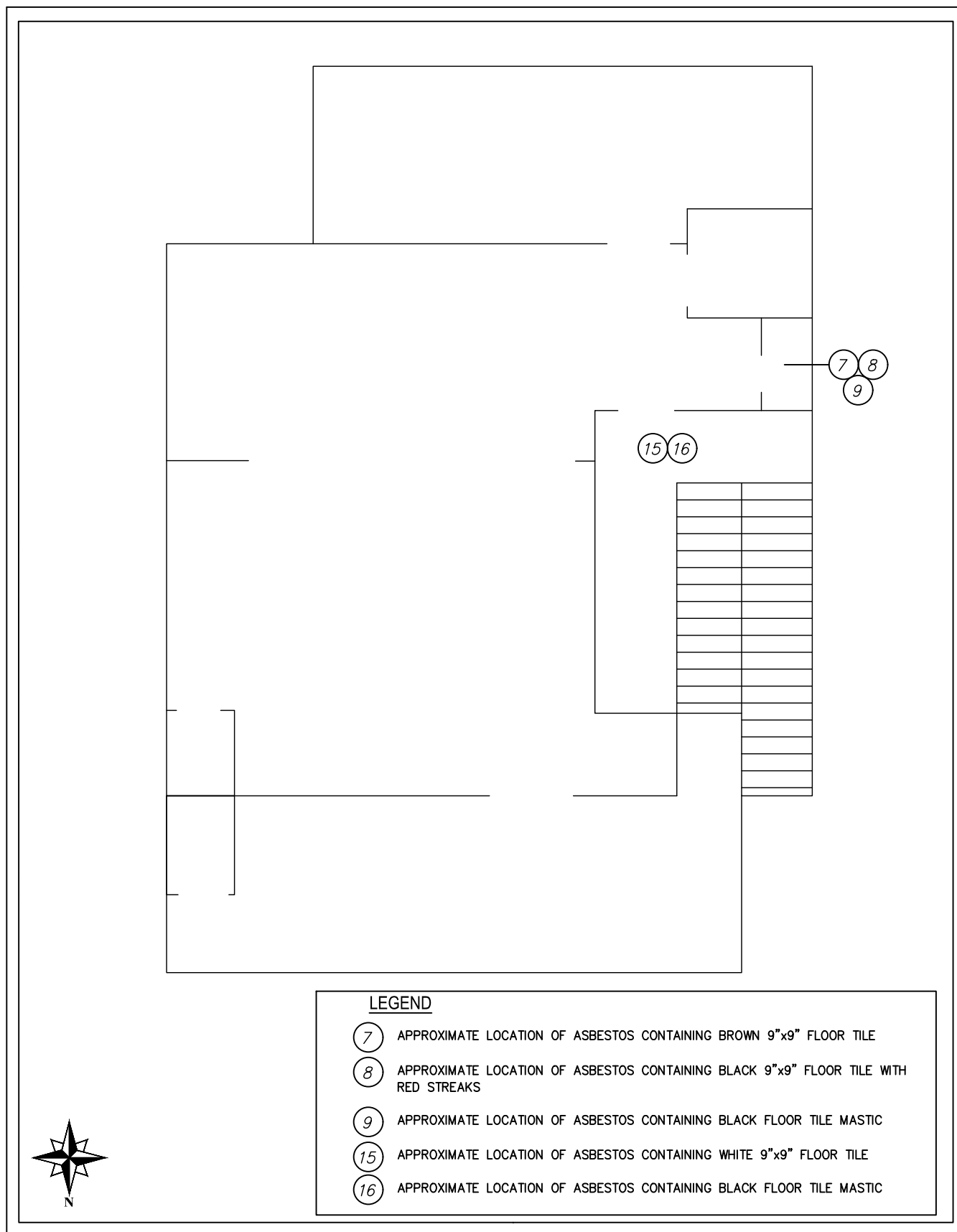


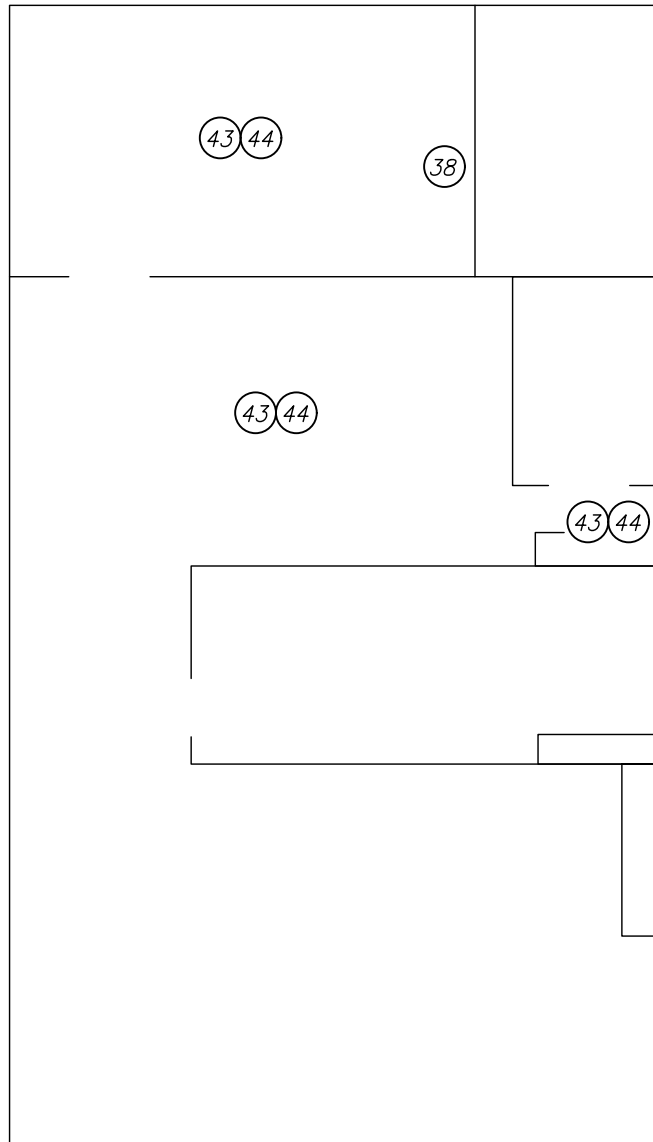
FIGURE 12. ASBESTOS LOCATION PLAN

58-66 CANAL STREET
 LYONS | WAYNE COUNTY | NEW YORK
 58 CANAL STREET THIRD FLOOR PLAN

DATE: JULY 2022

SCALE: N.T.S.

PROJECT NO: 50514-01



LEGEND

-  APPROXIMATE LOCATION OF ASBESTOS CONTAINING BLACK SINK MASTIC
-  APPROXIMATE LOCATION OF ASBESTOS CONTAINING TAN SPECKLED 9"x9" FLOOR TILE
-  APPROXIMATE LOCATION OF ASBESTOS CONTAINING BLACK FLOOR TILE MASTIC

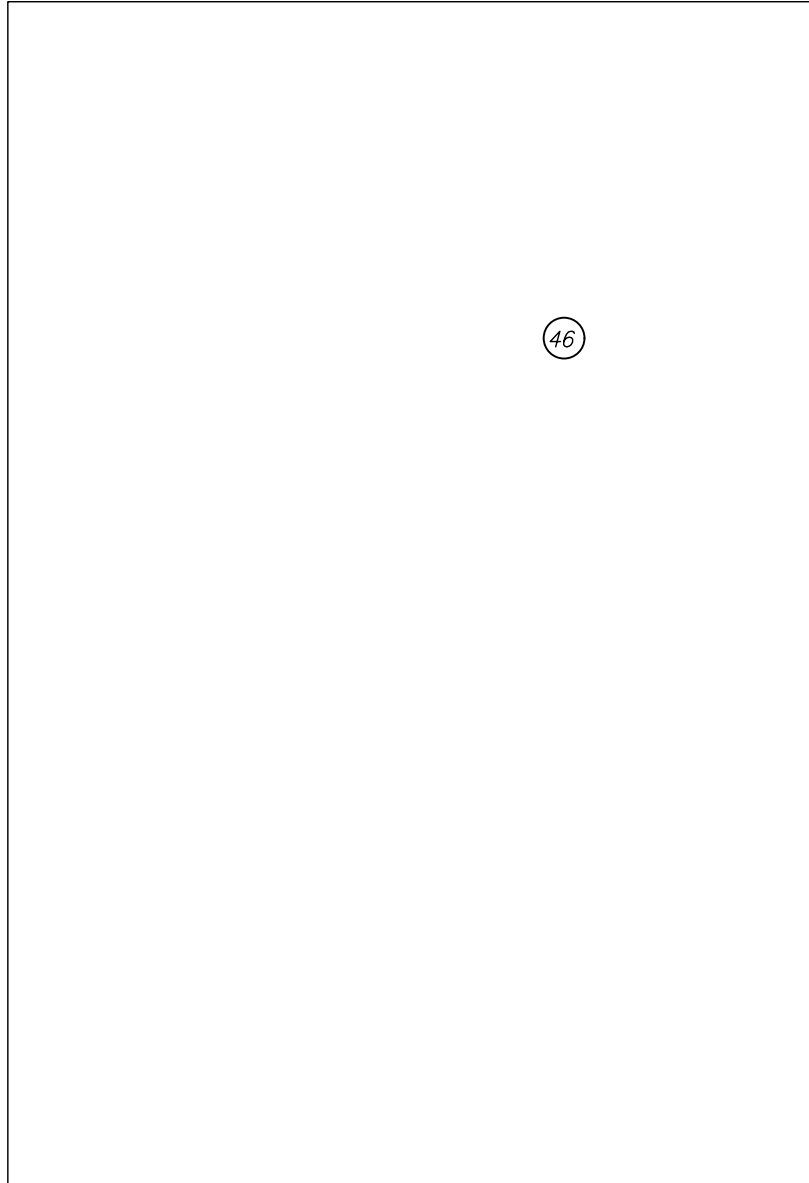
FIGURE 13. ASBESTOS LOCATION PLAN

58-66 CANAL STREET
 LYONS | WAYNE COUNTY | NEW YORK
 60 CANAL STREET FIRST FLOOR PLAN

DATE: JULY 2022

SCALE: N.T.S.

PROJECT NO: 50514-01



LEGEND



APPROXIMATE LOCATION OF ASBESTOS CONTAINING
WHITE DUCT TAPE

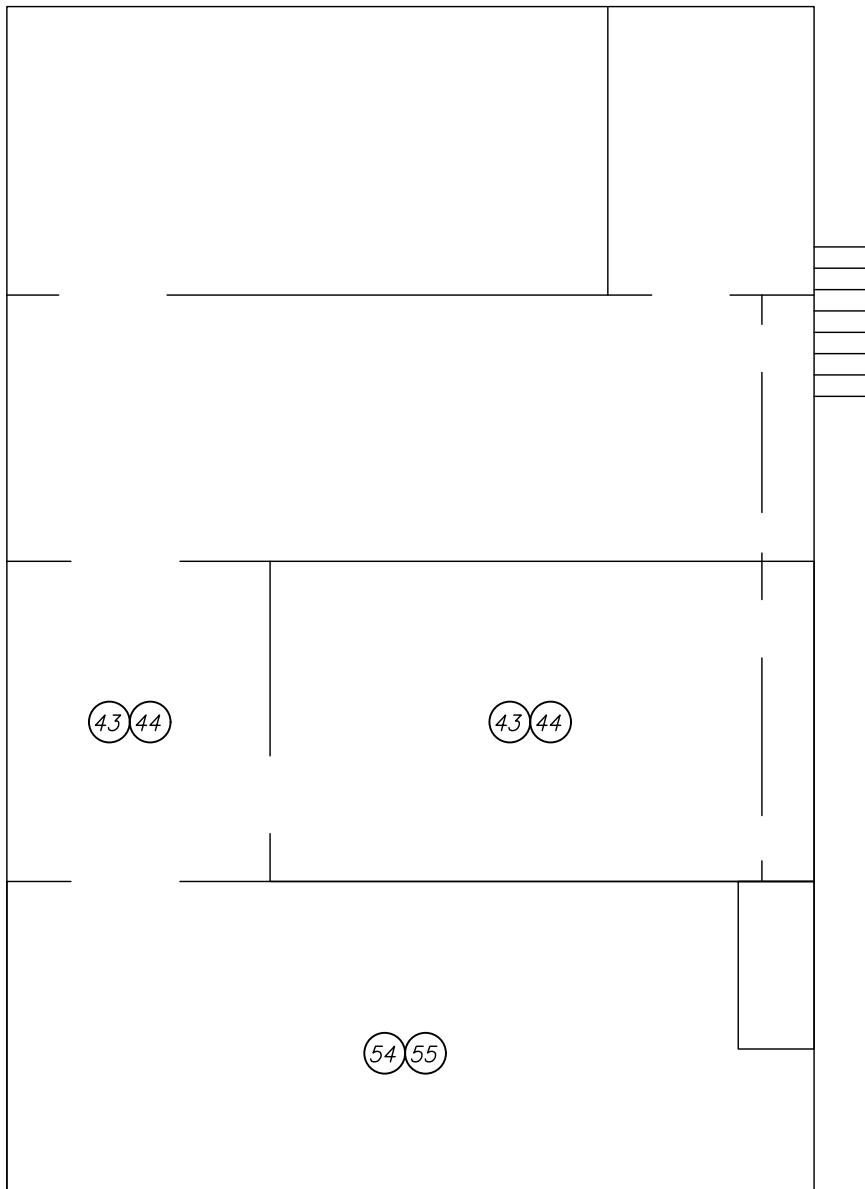
FIGURE 14. ASBESTOS LOCATION PLAN

58-66 CANAL STREET
LYONS | WAYNE COUNTY | NEW YORK
62 CANAL STREET BASEMENT PLAN

DATE: JULY 2022

SCALE: N.T.S.

PROJECT NO: 50514-01



LEGEND

- (43) APPROXIMATE LOCATION OF ASBESTOS CONTAINING TAN SPECKLED 9"x9" FLOOR TILE
- (44) APPROXIMATE LOCATION OF ASBESTOS CONTAINING BLACK FLOOR TILE MASTIC
- (54) APPROXIMATE LOCATION OF ASBESTOS CONTAINING RED LINOLEUM
- (55) APPROXIMATE LOCATION OF ASBESTOS CONTAINING BLACK MASTIC

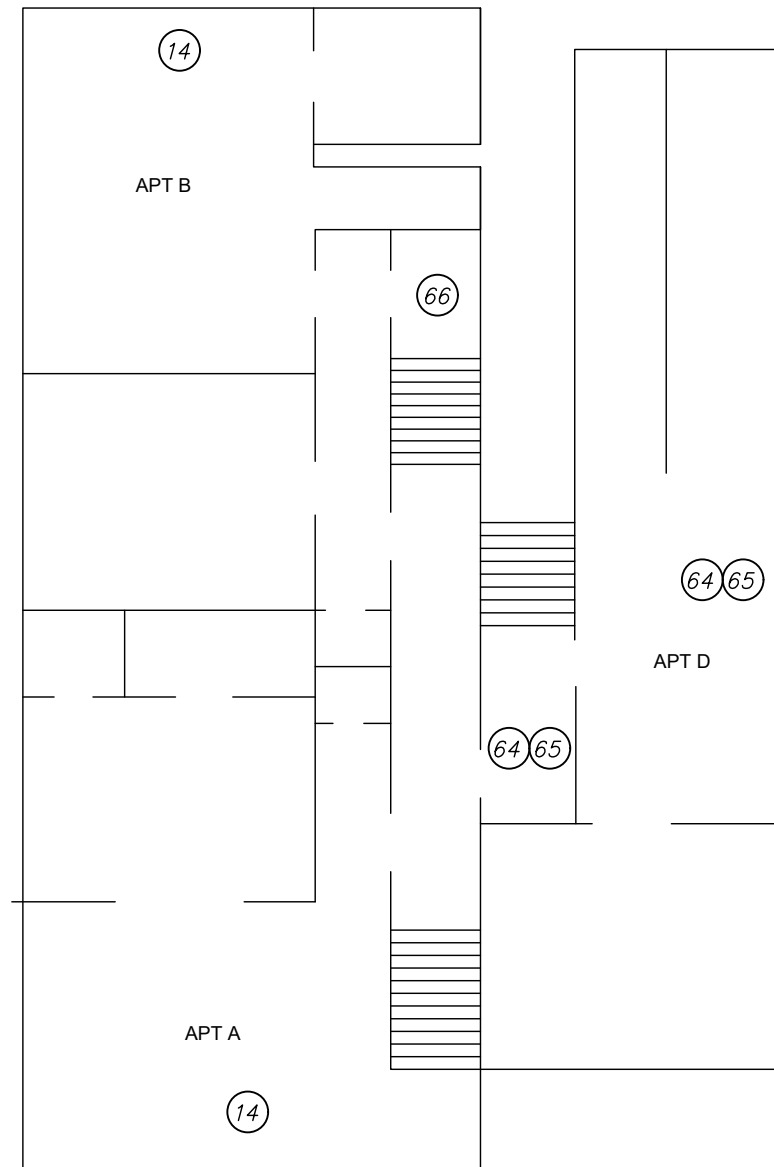
FIGURE 15. ASBESTOS LOCATION PLAN

58-66 CANAL STREET
LYONS | WAYNE COUNTY | NEW YORK
62 CANAL STREET FIRST FLOOR PLAN

DATE: JULY 2022

SCALE: N.T.S.

PROJECT NO: 50514-01



LEGEND

- (14) APPROXIMATE LOCATION OF ASBESTOS CONTAINING BLACK SINK UNDERCOATING
- (64) APPROXIMATE LOCATION OF ASBESTOS CONTAINING BLACK 9"x9" FLOOR TILE
- (65) APPROXIMATE LOCATION OF ASBESTOS CONTAINING BLACK FLOOR TILE MASTIC
- (66) APPROXIMATE LOCATION OF ASBESTOS CONTAINING GREEN LINOLEUM

FIGURE 16. ASBESTOS LOCATION PLAN

58-66 CANAL STREET
LYONS | WAYNE COUNTY | NEW YORK
64 CANAL STREET SECOND FLOOR PLAN

DATE: JULY 2022

SCALE: N.T.S.

PROJECT NO: 50514-01

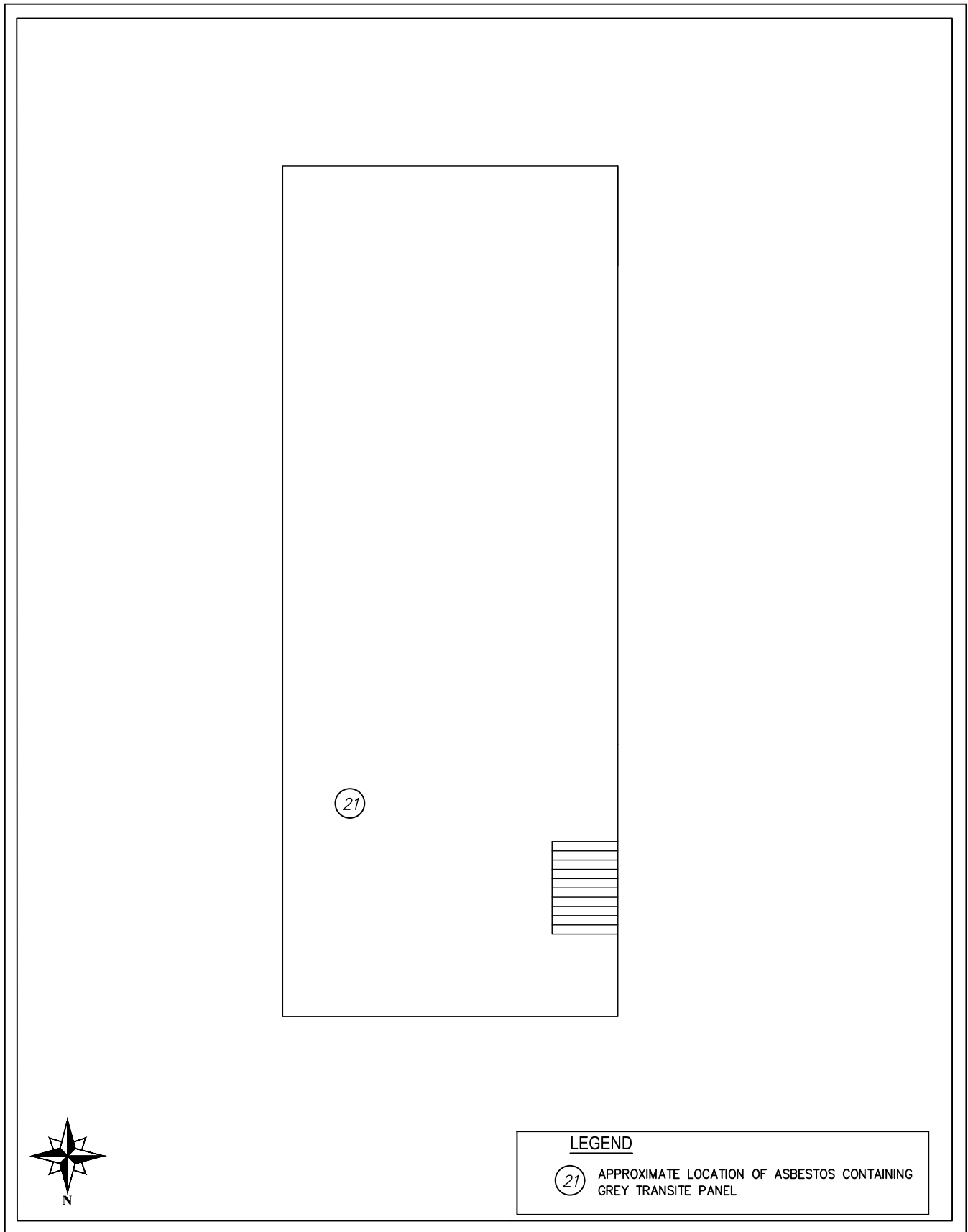


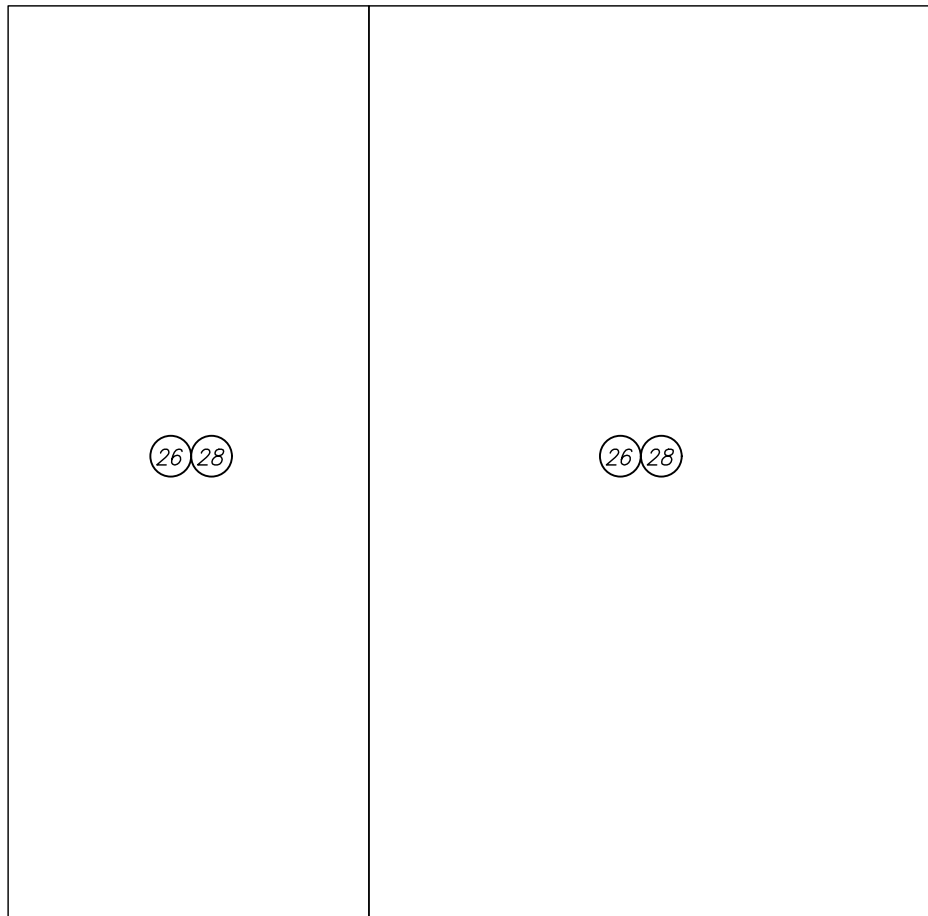
FIGURE 17. ASBESTOS LOCATION PLAN

58-66 CANAL STREET
LYONS | WAYNE COUNTY | NEW YORK
66 CANAL STREET BASEMENT FLOOR PLAN

DATE: JULY 2022

SCALE: N.T.S.

PROJECT NO: 50514-01



LEGEND

- (26) APPROXIMATE LOCATION OF ASBESTOS CONTAINING BLACK TAR PAPER
- (28) APPROXIMATE LOCATION OF ASBESTOS CONTAINING BLACK TAR PAPER

FIGURE 18. ASBESTOS LOCATION PLAN

58-66 CANAL STREET
LYONS | WAYNE COUNTY | NEW YORK
58-66 CANAL STREET EXTERIOR

DATE: JULY 2022

SCALE: N.T.S.

PROJECT NO: 50514-01

ATTACHMENT E

Previous Report



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ENVIRONMENTAL • TRANSPORTATION • CIVIL

ASBESTOS, LEAD PAINT and PCB CAULK SURVEY

ABANDONED BUILDING
58-66 CANAL STREET
LYONS, WAYNE COUNTY, NEW YORK

Asbestos- Containing and Hazardous Materials

Inspection Report

For

58-66 Canal Street

Lyons, New York 14489

Prepared For:

Wayne County Regional Land Bank

16 William Street

Lyons, NY 14489

Prepared By:



690 Delaware Avenue

Buffalo, NY 14209

September 17th, 2021

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1.3	POLYCHLORINATED BIPHENYLS.....	3
1.4	MERCURY.....	4
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Appendices

Appendix A: Sample Analysis Results in Tabular Form

Appendix B: Bulk Sample Chain of Custodies & Laboratory Results

Appendix C: Certifications and Accreditations

Appendix D: Bulk Sample / ACM Location Drawings

Appendix E: Photographic Log

1.0 EXECUTIVE SUMMARY

At the request of the Wayne County Regional Land Bank, LiRo Engineers, Inc. (LiRo) has performed an inspection for the presence or absence of Asbestos Containing Material (ACM), Lead Based Paint (LBP) and Polychlorinated Biphenyls (PCBs) at 58-66 Canal Street, Lyons NY 14489.

1.1 Asbestos Containing Materials (ACM):

LiRo investigated suspect materials which are anticipated to be impacted during the planned demolition. Identified suspect materials include the following:

- Wall Plaster, Gray
- Wall Plaster, White
- Skim Coat, White
- Skim Coat, Gray
- Drywall, White
- Duct Tape Sealant, Gray
- Duct Tape Sealant, White
- 9x9" Floor Tile, Tan Speckled w/ associated Black Mastic
- 9x9" Floor Tile, Brown w/ associated Black Mastic
- 9x9" Floor Tile, White w/ associated Black Mastic
- 12x12" Floor Tile, White w/ associated Yellow Mastic
- Tiled Linoleum w/ associated Yellow Mastic
- Mottled Linoleum w/ associated Black Mastic
- Squared Linoleum w/ associated Yellow Mastic
- Marbled Linoleum w/ associated Yellow Mastic
- Brick Linoleum w/ associated Yellow Mastic
- Green Linoleum w/ associated Yellow Mastic
- Red Linoleum w/ associated Black Mastic
- Sink Mastic, Black
- Joint Compound, White
- Wire Jacketing, White
- Ceiling Plaster, Gray
- Tile Grout, Gray
- Tile Cement, White
- 2x4 Speckled Ceiling Tile, White
- 9x9" Ceiling Tile, Brown
- Exterior Window Caulk, Off-White

The following material has been identified as **ACM** (greater than 1%):

- **Duct Tape Sealant, White, 30 SF, Non-Friable, Intact**
- **Sink Mastic, Black, 5 SF, Non-Friable, Intact**
- **9x9" Floor Tile, Brown w/ associated Black Mastic, 250 SF, Non-Friable, Intact**
- **9x9" Floor Tile, White w/ associated Black Mastic, 120 SF, Non-Friable, Intact**
- **9x9" Floor Tile, Tan Speckled w/ associated Black Mastic, 550 SF, Non-Friable, Intact**
- **9"x9" Floor Tile, Brown and Associated Black Mastic (64 Canal Street), 300 SF, Intact, Non-Friable**
- **Red Linoleum w/ associated Black Mastic, 400 SF, Non-Friable, Intact**
- **Green Linoleum, 300 SF, Non-Friable, Intact**
- **Assumed Roofing, Felt Paper and Tar, 6,500 SF, Intact, Non-Friable**

Analytical results of the bulk samples collected indicate that the following materials did not contain asbestos:

- Tiled Linoleum w/ associated Yellow Mastic
- Mottled Linoleum w/ associated Black Mastic
- Squared Linoleum w/ associated Yellow Mastic
- Marbled Linoleum w/ associated Yellow Mastic
- Brick Linoleum w/ associated Yellow Mastic
- Wall Plaster, White
- Skim Coat, White
- Skim Coat, Gray
- Drywall, White
- Duct Tape Sealant, Gray
- Joint Compound, White
- Wire Jacketing, White
- Tile Grout, Gray
- Tile Cement, White
- 2x4 Speckled Ceiling Tile, White
- 9x9" Ceiling Tile, Brown
- Exterior Window Caulk, Off-White
- 12x12" Floor Tile, White w/ associated Yellow Mastic

1.2 Lead Based Paint (LBP)

LiRo performed limited paint chip sampling of painted surfaces to evaluate the likelihood of encountering lead-based paint (LBP) and creating a lead dust hazard during construction activities. A comprehensive inspection as established by Department of Housing and Urban Development (HUD) Guidelines was not conducted, however, representative surfaces/components were tested in a manner designed to adequately represent the different components, substrates, types of paint, construction and paint history. Federal guidelines characterize paint to be lead based if it contains greater than 1.0 mg/cm² lead by surface area or greater than 0.5% lead by weight (5,000 mg/Kg). A full list of sampled coatings is provided in Section 3.2 of this report.

The following coatings have been determined to be **lead-based paint**:

- **Beige paint in building unit 58 on stairwell / hallway walls**
- **White/ Black paint unit 64 apartment D**

Additionally, lead was determined to be present in concentrations below the threshold for characterization as lead-based paint in the below listed coatings:

- Red paint in unit 62-bedroom closet
- Light blue paint building unit 64 in apartment D
- Tan paint building unit 64 in apartment D

Precautions should be taken by personnel disturbing any painted surfaces to ensure that workers are not exposed to lead in excess of the permissible exposure limit. All work shall be performed in accordance with applicable federal, state and local requirements including OSHA 29 CFR 1926.62 (the OSHA lead in construction standard). At minimum, all generated paint dust, chips and other debris shall require cleaning utilizing wet methods.

1.3 Polychlorinated Biphenyls (PCBs)

Polychlorinated biphenyls (PCBs) were frequently used in the production of caulks used during building construction, renovation and repair activities from the 1950s through 1978. The United States Environmental Protection Agency (EPA) regulates caulk containing PCBs at concentrations greater than or equal to 50 parts per million (ppm) as PCB bulk product waste. PCB bulk product wastes require disposal in accordance with 40 CFR 761.62.

No samples analyzed were found to be PCB Bulk product waste.

1.4 Mercury

Under current United State Environmental Protection Agency (EPA) and NYSDEC regulations, mercury containing equipment, including fluorescent light bulbs, thermostats, thermometers and switches are managed under Universal Waste Rules. The Universal Waste Rule allows for more relaxed (compared to hazardous waste requirements) standards for storing, transporting and collecting wastes, however, hazardous waste requirements still apply for final recycling, treatment or disposal. A brief inventory of these products is summarized below.

UNIVERSAL WASTE TABLE						
MATERIAL	58	60	62	64	66	TOTAL
PCB BALLASTS (EA.)	2	0	0	10	24	36
FIRE EXTINGUISHERS (EA.)	1	0	0	0	1	2
REFRIGERATORS/ FREEZERS (EA.)	2	1	2	2	0	7
FLUORESCENT LIGHTS (LF)	10	0	0	18	72	100
SMOKE DETECTORS (EA.)	2	5	3	10	2	22
PAINT/ VARNISH (GALLONS)	5	0	1	0	0	6
BUILDING MATERIALS (GALLONS)	0	0	0	8	0	8

2.1 FIELD SURVEY PROCEDURES AND SAMPLE ANALYSIS METHODS

Guidelines used for the asbestos inspection were established by the Environmental Protection Agency (EPA) in the Guidance for Controlling Asbestos Containing Materials in Buildings, Office of Pesticides and Toxic Substances, Doc 560/5-85-024, and 40 CFR Part 763, Asbestos Hazard Emergency Response Act (AHERA).

Field information was organized in accordance with the AHERA methodology of homogenous area (HA). During the survey, reasonable effort was made to identify all locations and types of ACM materials associated with the scope of work. Sampling has included multiple samples of the same materials chosen at random. However, due to inconsistencies of a manufacturer's processes and the contractor's installation methods, materials of similar construction may contain various amounts of asbestos. Furthermore, some materials that were not originally specified to contain asbestos may in fact contain this mineral.

Bulk samples of suspect ACM were analyzed using polarized light microscopy (PLM) coupled with dispersion staining, as described in 40 CFR Part 763 and the National Emissions Standard for Hazardous Air Pollutants (NESHAPS). NESHAPS is the standard industry protocol for the determination of asbestos in building materials. A suspect material is immersed in a solution of known refractive index and subjected to illumination by polarized light. The color displays that result are compared to a standardized atlas whereby the specific variety of asbestos is determined. It should also be recognized that PLM is primarily a qualitative identification method whereby asbestos percentage, if any, is estimated. While EPA and New York State regulations governing ACM consider materials containing greater than 1-percent as asbestos, accurately quantifying asbestos content below 5-percent has been shown to be unreliable.

The New York State Department of Health has revised the PLM Stratified Point Counting Method. The new method, "Polarized Light Microscopy Methods for Identifying and Quantifying Asbestos in Bulk Samples" can be found as item 198.1 in the Environmental Laboratory Approval program (ELAP) Certification manual. The method specifies a procedure of analysis for bulk samples that fall into the category of "Non-friable Organically Bound" (NOB). This category includes any sample in a flexible to rigid asphalt or vinyl matrix (floor tiles, mastic, roofing shingles, roofing felt, etc.). Additional materials that may fall into this category are textured paints and stucco, pipe valve and joint packing, and a variety of other applications. These samples must be "ashed" in a muffle furnace at 480-degrees Celsius (to remove organic matrix), treated with acid (to remove any mineral carbonate), and filtered through a 0.4-micron filter before being analyzed by PLM. The sample must be weighted between each of these steps to track the percent loss of organic matrix.

ELAP has determined that analysis of NOB materials is not reliably performed by PLM. Therefore, if PLM yields results of 1-percent asbestos or less, the result must be confirmed by TEM. Bulk samples that undergo TEM analysis use the sample reduction methodology stated above for NOB analysis by PLM. ELAP certified laboratories must include the following statement with their PLM analysis results for each "negative" (1-percent or less asbestos) NOB sample: "Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Before this material can be considered or treated as non-ACM, confirmation must be made by quantitative transmission electron microscopy".

Bulk asbestos samples collected were initially analyzed by Polarized Light Microscopy. Samples which yielded a negative PLM result and which are classified as a "non-friable" material were then re-analyzed utilizing Transmission Electron Microscopy methodology described above. The laboratories performing the analysis procedures was EMSL Analytical, Inc. (EMSL) located at 490 Rowley Road, Depew, New York, 14043. EMSL is accredited with the following agencies:

- New York State Environmental Laboratory Approval Program (ELAP) Lab No. 11606
- National Voluntary Laboratory Accreditation Program (NVLAP) Lab Code 200056-0

All Lead Paint and PCB samples were analyzed by EMSL Analytical, Inc. located at 200 Route 130 North, Cinnaminson, NJ 08077.

3.0 INSPECTION SCOPE AND RESULTS

3.1 Asbestos Containing Materials (ACM):

At the request of the Wayne County Regional Land Bank, LiRo Engineers, Inc. (LiRo) has performed an inspection for the presence or absence of Asbestos Containing Material (ACM) at 58 - 66 Canal Street, Lyons, NY 14489. NYSDOL Certified Inspector John Seward (#15-20772) of LiRo performed asbestos bulk sampling on August 13, 2021.

LiRo investigated for suspect materials which are anticipated to be impacted during planned demolition activities. Identified suspect materials include the following:

- Wall Plaster, Gray
- Wall Plaster, White
- Skim Coat, White
- Skim Coat, Gray
- Drywall, White
- Duct Tape Sealant, Gray
- Duct Tape Sealant, White
- 9x9" Floor Tile, Tan Speckled w/ associated Black Mastic
- 9x9" Floor Tile, Brown w/ associated Black Mastic
- 9x9" Floor Tile, White w/ associated Black Mastic
- 12x12" Floor Tile, White w/ associated Yellow Mastic
- Tiled Linoleum w/ associated Yellow Mastic
- Mottled Linoleum w/ associated Black Mastic
- Squared Linoleum w/ associated Yellow Mastic
- Marbled Linoleum w/ associated Yellow Mastic
- Brick Linoleum w/ associated Yellow Mastic
- Green Linoleum w/ associated Yellow Mastic
- Red Linoleum w/ associated Black Mastic
- Sink Mastic, Black
- Joint Compound, White
- Wire Jacketing, White
- Ceiling Plaster, Gray
- Tile Grout, Gray
- Tile Cement, White
- 2x4 Speckled Ceiling Tile, White
- 9x9" Ceiling Tile, Brown
- Exterior Window Caulk, Off-White

The following material has been identified as **ACM** (greater than 1%):

- **Duct Tape Sealant, White, 30 SF, Non-Friable, Intact**
- **Sink Mastic, Black, 5 SF, Non-Friable, Intact**
- **9x9" Floor Tile, Brown w/ associated Black Mastic, 250 SF, Non-Friable, Intact**
- **9x9" Floor Tile, White w/ associated Black Mastic, 120 SF, Non-Friable, Intact**
- **9x9" Floor Tile, Tan Speckled w/ associated Black Mastic, 550 SF, Non-Friable, Intact**
- **9"x9" Floor Tile, Brown and Associated Black Mastic (64 Canal Street), 300 SF, Intact, Non-Friable**
- **Red Linoleum w/ associated Black Mastic, 400 SF, Non-Friable, Intact**
- **Green Linoleum, 300 SF, Non-Friable, Intact**
- **Assumed Roofing, Felt Paper and Tar, 6,500 SF, Intact, Non-Friable**

Analytical results of the bulk samples collected indicate that the following materials did not contain asbestos:

- Tiled Linoleum w/ associated Yellow Mastic
- Mottled Linoleum w/ associated Black Mastic
- Squared Linoleum w/ associated Yellow Mastic
- Marbled Linoleum w/ associated Yellow Mastic
- Brick Linoleum w/ associated Yellow Mastic
- Wall Plaster, White
- Skim Coat, White
- Skim Coat, Gray
- Drywall, White
- Duct Tape Sealant, Gray
- Joint Compound, White
- Wire Jacketing, White
- Tile Grout, Gray
- Tile Cement, White
- 2x4 Speckled Ceiling Tile, White
- 9x9" Ceiling Tile, Brown
- Exterior Window Caulk, Off-White
- 12x12" Floor Tile, White w/ associated Yellow Mastic

A summary of analytical results for all bulk asbestos samples collected is included in Appendix A of this report. Asbestos bulk sampling laboratory report forms are included in Appendix B. Certifications for inspection personnel and the analytical laboratory are provided in Appendix C. Bulk sample location and ACM Location drawings are shown in Appendix D and Appendix E, respectively. A photographic log is located in Appendix F.

3.2 **Lead Based Paint (LBP)**

A comprehensive lead paint inspection (as established by Department of Housing and Urban Development Guidelines) was not conducted, however LiRo performed limited paint chip sampling of painted surfaces throughout sections of the facility impacted by the planned construction scope to evaluate the likelihood of creating a lead dust hazard during construction activities. Federal guidelines characterize paint to be lead based if it contains greater than 1.0 mg/cm² lead by surface area or greater than 0.5% lead by weight (5,000 mg/Kg).

A summary of LBP sampling results is included in the table below. Laboratory reports of the paint chip analysis are provided in Appendix B. Sample locations are shown on the Drawings included as Appendix D of this report.

Lead Paint Analytical Results Summary				
Sample ID	Sample Location	Description of Material	Substrate	Lead Concentration (%)
LBP-1	Stairwell/ Hallway Walls (58 Canal St)	Beige Paint	Plaster	0.57
LBP-2	Bedroom Closet (62 Canal St)	Red	Wood	0.091
LBP-3	Throughout Apartments (64 Canal St)	White/ Black	Plaster	6.5
LBP-4	Apartment D (64 Canal St)	Light Blue	Plaster	0.073
LBP-5	Apartment D (64 Canal St)	Tan	Plaster	0.23

3.3 Polychlorinated Biphenyls (PCBs)

Caulking expected to be impacted by the construction scope were sampled for PCBs. A summary of the PCB sampling results is included in the table provided below. PCB sampling laboratory report forms are included in Appendix B. Sample locations are shown on the Drawings included as Appendix D of this report.

PCB in Building Material Analysis Summary			
Sample ID	Location	Material	PCB Concentration (ppm)
60-CLK1-1PA, 1PB, 1PC	Exterior Window, Above Entry Door	Caulk, White	Aroclor-1016 – ND Aroclor-1221 – ND Aroclor- 1232 – ND Aroclor- 1242- ND Aroclor-1248 – ND Aroclor-1254 – ND Aroclor-1260 – ND Aroclor-1262 – ND Aroclor-1268 – ND

Notes:

- ppm: parts per million
- ND: Not Detected

4.0 CONCLUSIONS AND RECOMMENDATIONS

4.1 Asbestos Containing Materials (ACM):

LiRo Engineers, Inc. (LiRo) has performed an inspection for the presence or absence of ACM in support of the demolition project located at 58 – 66 Canal Street, Lyons, NY 14489. All ACM shall require removal and disposal in accordance with all applicable federal, state and local regulations including 12NYCRR Part 56 (NYSDOL Asbestos), 40 CFR Part 61 (EPA National Emission Standard for Air Pollutants), 29 CFR Part 1910 (OSHA Asbestos), and OSHA Part 1926 (OSHA Construction).

Based on the investigation by LiRo, the following materials with potential to be impacted by this project have been identified as ACM.

- **Duct Tape Sealant, White, 30 SF, Non-Friable, Intact**
- **Sink Mastic, Black, 5 SF, Non-Friable, Intact**
- **9x9" Floor Tile, Brown w/ associated Black Mastic, 250 SF, Non-Friable, Intact**
- **9x9" Floor Tile, White w/ associated Black Mastic, 120 SF, Non-Friable, Intact**
- **9x9" Floor Tile, Tan Speckled w/ associated Black Mastic, 550 SF, Non-Friable, Intact**
- **9"x9" Floor Tile, Brown and Associated Black Mastic (64 Canal Street), 300 SF, Intact, Non-Friable**
- **Red Linoleum w/ associated Black Mastic, 400 SF, Non-Friable, Intact**
- **Green Linoleum, 300 SF, Non-Friable, Intact**
- **Assumed Roofing, Felt Paper and Tar, 6,500 SF, Intact, Non-Friable**

4.2 Lead Based Paint (LBP)

LiRo performed limited paint chip sampling of painted surfaces to evaluate the likelihood of encountering lead-based paint (LBP) and creating a lead dust hazard during construction activities. A comprehensive inspection as established by Department of Housing and Urban Development (HUD) Guidelines was not conducted, however, representative surfaces/components were tested in a manner designed to adequately represent the different components, substrates, types of paint, construction and paint history. Federal guidelines characterize paint to be lead-based if it contains greater than 1.0 mg/cm² lead by surface area or greater than 0.5% lead by weight (5,000 mg/Kg).

Based on the investigation by LiRo, the following coatings have been determined to be lead-based paint:

- **Beige paint in building unit 58 on stairwell / hallway walls**
- **White/ Black paint unit 64 apartment D.**

Additionally, lead was determined to be present in concentrations below the threshold for characterization as lead-based paint in additional test coatings.

- **Red paint in unit 62-bedroom closet**
- **Light blue paint building unit 64 in apartment D**
- **Tan paint building unit 64 in apartment D**

Precautions should be taken by personnel disturbing any painted surfaces to ensure that workers are not exposed to lead in excess of the permissible exposure limit. All work shall be performed in accordance with applicable federal, state and local requirements including OSHA 29 CFR 1926.62 (the OSHA lead in construction standard). At minimum all generated paint dust, chips and other debris shall require cleaning utilizing wet methods.

4.3 Polychlorinated Biphenyls (PCBs)

Polychlorinated biphenyls (PCBs) were frequently used in the production of caulks used during building construction, renovation and repair activities from the 1950s through 1978. The United States Environmental Protection Agency (EPA) regulates caulk containing PCBs at concentrations greater than or equal to 50 parts per million (ppm) as PCB bulk product waste. PCB bulk product wastes require disposal in accordance with 40 CFR 761.62.

No samples analyzed were found to be PCB Bulk product waste.

4.4 Mercury

Under current United State Environmental Protection Agency (EPA) and NYSDEC regulations, mercury containing equipment, including fluorescent light bulbs, thermostats, thermometers and switches are managed under Universal Waste Rules. The Universal Waste Rule allows for more relaxed (compared to hazardous waste requirements) standards for storing, transporting and collecting wastes, however, hazardous waste requirements still apply for final recycling, treatment or disposal. A brief inventory of these products is summarized below.

UNIVERSAL WASTE TABLE						
MATERIAL	58	60	62	64	66	TOTAL
PCB BALLASTS (EA.)	2	0	0	10	24	36
FIRE EXTINGUISHERS (EA.)	1	0	0	0	1	2
REFRIGERATORS/ FREEZERS (EA.)	2	1	2	2	0	7
FLUORESCENT LIGHTS (LF)	10	0	0	18	72	100
SMOKE DETECTORS (EA.)	2	5	3	10	2	22
PAINT/ VARNISH (GALLONS)	5	0	1	0	0	6
BUILDING MATERIALS (GALLONS)	0	0	0	8	0	8

APPENDIX A:
SAMPLE ANALYSIS RESULTS IN TABULAR FORM

APPENDIX A
SAMPLE ANALYSIS RESULTS IN TABULAR FORM
58 Canal Street
Lyons, New York 14489

HA	Sample No.	Location	Material	Quantity	Results	Friable (Y/N)	Condition
FT	FT1-1	Entry Stairwell	Brown 9x9" Floor Tile	250 SF	8.6% Chrysotile	N	I
	FT1-2	Bedroom Hallway			NA/PS		
FTM	FTM1-1	Entry Stairwell	Black Mastic (Brown 9x9")	250 SF	1.9% Chrysotile	N	I
	FTM1-2	Bedroom Hallway			NA/PS		
DW	DW-1	2 nd Floor Living Room	Gray Drywall	NA	NAD	Y	I
	DW-2	3 rd Floor Living Room			NAD		
	DW-3	2 nd Floor Dining Room			NAD		
	DW-4	2 nd Floor Bedroom 1			NAD		
	DW-5	3 rd Floor Bedroom			NAD		
FT	FT3-1	3 rd Floor Landing	White 9x9" Floor Tile	120 SF	9.7% Chrysotile	N	I
	FT3-2	3 rd Floor Landing			NA/PS		
FTM	FTM3-1	3 rd Floor Landing	Black Mastic (White 9x9")	120 SF	4.8% Chrysotile	N	I
	FTM3-2	3 rd Floor Landing			NA/PS		
LN	LN1-1	Bathroom	Mottled Linoleum	NA	NAD	N	I
	LN1-2	Bathroom Closet			NAD		
LNM	LNM1-1	Bathroom	Black Mastic (Mott. Linoleum)	NA	NAD	N	I
	LNM1-2	Bathroom Closet			NAD		

Bold – Indicates that material is Asbestos Containing (>1% Asbestos)

***Indicates that material is ACM contaminated due to association with ACM**

NAD – No Asbestos Detected

NA – Not Analyzed

NA/PS – Not Analyzed/Positive Stop

HA – Homogeneous Area

I – Intact (little or no damage)

D – Damaged (≤25% local or ≤10% distributed)

SD – Significantly Damaged (≥25% local or ≥10% distributed)

N/A – Not Applicable

APPENDIX A
SAMPLE ANALYSIS RESULTS IN TABULAR FORM
58 Canal Street
Lyons, New York 14489

HA	Sample No.	Location	Material	Quantity	Results	Friable (Y/N)	Condition
JC	JC1-1	2 nd Floor Living Room	White Joint Compound	NA	NAD	Y	I
	JC1-2	3 rd Floor Living Room			NAD		
	JC1-3	2 nd Floor Dining Room			NAD		
	JC1-4	2 nd Floor Bedroom 1			NAD		
	JC1-5	3 rd Floor Bedroom 2			NAD		
SC	SC1-1	3 rd Floor Living Room	Skim Coat (White Plaster)	NA	NAD	Y	I
	SC1-2	2 nd Floor Living Room			NAD		
	SC1-3	3 rd Floor Linen Closet			NAD		
BC	BC1-1	3 rd Floor Living Room	Base Coat (Gray Plaster)	NA	NAD	Y	I
	BC1-2	2 nd Floor Living Room			NAD		
	BC1-3	3 rd Floor Linen Closet			NAD		
FT	FT2-1	3 rd Floor Kitchen	White 12x12" Floor Tile	NA	NAD	N	I
	FT2-2	3 rd Floor Kitchen			NAD		
FTM	FTM2-1	3 rd Floor Kitchen	Yellow Mastic (White 12x12")	NA	NAD	N	I
	FTM2-2	3 rd Floor Kitchen			NAD		

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APPENDIX A
SAMPLE ANALYSIS RESULTS IN TABULAR FORM
58 Canal Street
Lyons, New York 14489

HA	Sample No.	Location	Material	Quantity	Results	Friable (Y/N)	Condition
WG1	WG1-1	2 nd Floor Sliding Door (Kitchen)	White Window Glaze	NA	NAD	N	I
	WG1-2				NAD		

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N/A – Not Applicable

APPENDIX A
SAMPLE ANALYSIS RESULTS IN TABULAR FORM
60 Canal Street
Lyons, New York 14489

HA	Sample No.	Location	Material	Quantity	Results	Friable (Y/N)	Condition
LN	LN1-1	Bathroom	Green Linoleum	N/A	NAD	N	I
	LN1-2	Bathroom			NAD		
LNM	LNM1-1	Bathroom	Yellow Mastic (Green Linoleum)	N/A	NAD	N	I
	LNM1-2	Bathroom			NAD		
SM	SM1-1	Kitchen Sink	Black Sink Mastic	5 SF	7.1% Chrysotile	N	I
	SM1-2	Kitchen Sink			NA/PS		
WJ	WJ1-1	Dining Room Wall	White Wire Jacketing	N/A	NAD	N	I
	WJ1-2	Dining Room Wall			NAD		
WC	WC1-1	Exterior Window Above Entry Door	White Window Caulk	N/A	NAD	N	I
	WC1-2	Exterior Window Above Entry Door			NAD		
WP	WP1-1	Hallway Outside Bedroom	White Wall Patching	N/A	NAD	Y	I
	WP1-2	Hallway Outside Bedroom			NAD		
CT	CT1-1	Living Room Ceiling	Brown 9x9" Ceiling tile	N/A	NAD	N	I
	CT1-2	Dining Room Ceiling			NAD		
FT	FT1-1	Dining Room	Tan Speckled 9x9" Floor Tile	300 SF	6.9% Chrysotile	N	I
	FT1-2	Linen Closet			NA/PS		

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APPENDIX A
SAMPLE ANALYSIS RESULTS IN TABULAR FORM
60 Canal Street
Lyons, New York 14489

HA	Sample No.	Location	Material	Quantity	Results	Friable (Y/N)	Condition
FTM	FTM1-1	Dining Room	Black Mastic (Tan 9x9" FT)	300 SF	3.0 % Chrysotile	N	I
	FTM1-2	Linen Closet			NA/PS		
DW	DW1-1	Hallway Outside Bedroom	White Drywall	N/A	NAD	Y	I
	DW1-2	Bedroom Closet			NAD		
	DW1-3	Storage Room			NAD		

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APPENDIX A
SAMPLE ANALYSIS RESULTS IN TABULAR FORM
62 Canal Street
Lyons, New York 14489

HA	Sample No.	Location	Material	Quantity	Results	Friable (Y/N)	Condition
WC	WC1-1	Exterior Window	White Window Caulk	N/A	NAD	N	I
	1C1-2	Exterior Window			NAD		
DT	DT1-1	Ducts in Basement	White Duct Tape	30 SF	67% Chrysotile	N	I
	DT1-2	Ducts in Basement			NA/PS		
DW	DW1-1	Front Room	White Drywall	N/A	NAD	Y	I
	DW1-2	Bedroom			NAD		
	DW1-3	Dining Room			NAD		
LN	LN1-1	Front Room	Marbled Linoleum	N/A	NAD	N	I
	LN1-2	Hallway/ Corridor			NAD		
FT	FT1-1	Hallway/ Corridor	Tan Speckled 9x9" Floor Tile	250 SF	8.4% Chrysotile	N	I
	FT1-2	Bedroom 1			NA/PS		
FTM	FTM1-1	Hallway/ Corridor	Black Mastic (Tan Sp. 9x9")	250 SF	2.2% Chrysotile	N	I
	FTM1-2	Bedroom 1			NA/PS		
LN	LN2-1	Kitchen	Brick Linoleum	N/A	NAD	N	I
	LN2-2	Kitchen			NAD		

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APPENDIX A
SAMPLE ANALYSIS RESULTS IN TABULAR FORM
62 Canal Street
Lyons, New York 14489

HA	Sample No.	Location	Material	Quantity	Results	Friable (Y/N)	Condition
LNM	LNM2-1	Kitchen	Tan Mastic (Brick Linoleum)	N/A	NAD	N	I
	LNM2-2	Kitchen			NAD		
LN	LN3-1	Kitchen	Brown Block Linoleum	N/A	NAD	N	I
	LN3-2				NAD		
LNM	LNM3-1	Kitchen	Tan Mastic (Brown Block Lin)	N/A	NAD	N	I
	LNM3-2				NAD		
LN*	LN4-1	Front Room	Red Linoleum	400 SF	Trace	N	I
	LN4-2				Trace		
LNM	LNM4-1	Front Room	Black Mastic (Red Linoleum)	400 SF	7.2% Chrysotile	N	I
	LNM4-2				NA/PS		

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APPENDIX A
SAMPLE ANALYSIS RESULTS IN TABULAR FORM
64 Canal Street
Lyons, New York 14489

HA	Sample No.	Location	Material	Quantity	Results	Friable (Y/N)	Condition
DW	DW1-1	Apt A LR/K	Gray Drywall	N/A	NAD	Y	I
	DW1-2	Apt A LR/ K			NAD		
	DW1-3	Apt A LR Ceiling			NAD		
SC	SC1-1	Apt A LR/K	White Skim Coat	N/A	NAD	Y	I
	SC1-2	Apt A LR/K			NAD		
	SC1-3	Apt A LR Ceiling			NAD		
PL	PL1-1	Bedroom Apt A	White Plaster	N/A	NAD	Y	I
	PL1-2	Apt A LR/K			NAD		
	PL1-3	Apt A LR/K			NAD		
PL	PL2-1	Bedroom Apt A	Gray Plaster	NA	NAD	Y	I
	PL2-2	Apt A LR/K			Trace		
	PL2-3	Apt A LR/K			Trace		
JC	JC1-1	Apt A LR/K	White Joint Compound	N/A	NAD	Y	I
	JC1-2	Apt A LR/K			NAD		
	JC1-3	Apt A LR Ceiling			NAD		

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NA/PS – Not Analyzed/Positive Stop

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APPENDIX A
SAMPLE ANALYSIS RESULTS IN TABULAR FORM
64 Canal Street
Lyons, New York 14489

HA	Sample No.	Location	Material	Quantity	Results	Friable (Y/N)	Condition
TG	TG1-1	Apt A LR/ K	Gray Tile Grout	N/A	NAD	N	I
	TG1-2	Apt A LR/ K			NAD		
TC	TC1-1	Apt A LR/ K	White Tile Cement	N/A	NAD	N	I
	TC1-2	Apt A LR/ K			NAD		
CT	CT1-1	Entry Stairwell	2x4' White Speckled Ceiling Tile	N/A	NAD	Y	I
	CT1-2	Entry Stairwell			NAD		
FT	FT1-1	Apartment D	Brown 9x9" Floor Tile	300 SF	5.1% Chrysotile	N	I
	FT1-2	Apartment D			NA/PS		
FTM	FTM1-1	Apartment D	Black Mastic (9x9" FT)	300 SF	3.9 % Chrysotile	N	I
	FTM1-2	Apartment D			NA/PS		
FT	FT2-1	Apartment C	White 12x12" Floor Tile	N/A	NAD	N	I
	FT2-2	Apartment C			NAD		
LN	LN1-1	Apartment B Closet	Green Linoleum	75 SF	18% Chrysotile	N	I
	LN1-2	Apartment B Closet			NA/PS		
LNM	LNM1-1	Apartment C Entry Way	Yellow Linoleum Glue	N/A	NAD	N	I
	LNM1-2	Apartment C Entry Way			NAD		

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N/A – Not Applicable

APPENDIX A
SAMPLE ANALYSIS RESULTS IN TABULAR FORM
64 Canal Street
Lyons, New York 14489

HA	Sample No.	Location	Material	Quantity	Results	Friable (Y/N)	Condition
LN	LN2-1	Apt C Entry Way	Squared Linoleum	N/A	NAD	N	I
	LN2-2	Apt C Entry Way			NAD		

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NA – Not Analyzed

NA/PS – Not Analyzed/Positive Stop

HA – Homogeneous Area

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SD – Significantly Damaged ($\geq 25\%$ local or $\geq 10\%$ distributed)

N/A – Not Applicable

APPENDIX B:
BULK SAMPLE CHAIN OF CUSTODY
AND LABORATORY RESULTS



EMSL Analytical, Inc.

2975 Brighton Henrietta Town Line Rd ,100 Ste 130 Rochester, NY 14623

Tel/Fax: (585) 957-9436 / (585) 957-9437

<http://www.EMSL.com / rochesterlab@EMSL.com>

EMSL Order: 532101441

Customer ID: LIRO50

Customer PO: 19-241-2291

Project ID:

Attention: Jason Colvin
The LiRo Group
690 Delaware Avenue
Buffalo, NY 14209

Phone: (716) 882-5476

Fax: (716) 882-9640

Received Date: 08/17/2021 2:10 PM

Analysis Date: 08/19/2021

Collected Date:

Project: 19.241-2291. Wayne County Regional Land Bank. Lyon, NY. 58 Canal St

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID SC1-1 532101441-0001		Description Homogeneity	Living Room (2nd Floor) - White Plaster Homogeneous		
PLM NYS 198.1 Friable	08/19/2021	White		10.00% Ca Carbonate 90.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID SC1-2 532101441-0002		Description Homogeneity	Living Room (3rd Floor) - White Plaster Homogeneous		
PLM NYS 198.1 Friable	08/19/2021	White		10.00% Ca Carbonate 90.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID SC1-3 532101441-0003		Description Homogeneity	Bedroom 2 Closet (2nd Floor) - White Plaster Homogeneous		
PLM NYS 198.1 Friable	08/19/2021	White		5.00% Ca Carbonate 95.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID BC1-1 532101441-0004		Description Homogeneity	Living Room (2nd Floor) - Gray Plaster Homogeneous		
PLM NYS 198.1 Friable	08/19/2021	Gray		15.00% Ca Carbonate 85.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID BC1-2 532101441-0005		Description Homogeneity	Living Room (3rd Floor) - Gray Plaster Homogeneous		
PLM NYS 198.1 Friable	08/19/2021	Gray	2.00% Hair	15.00% Ca Carbonate 83.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed

Initial report from: 08/19/2021 13:16:25



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Tel/Fax: (585) 957-9436 / (585) 957-9437

<http://www.EMSL.com> / rochesterlab@EMSL.com

EMSL Order: 532101441

Customer ID: LIRO50

Customer PO: 19-241-2291

Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID BC1-3 532101441-0006		Description Bedroom 2 Closet (2nd Floor) - Gray Plaster			
		Homogeneity Homogeneous			
PLM NYS 198.1 Friable	08/19/2021	Gray	2.00% Hair	15.00% Ca Carbonate 83.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID FT1-1 532101441-0007		Description Entry Stairwell - Brown 9x9 Floor Tile			
		Homogeneity Homogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	08/19/2021	Red	None	91.40% Other	8.60% Chrysotile
TEM NYS 198.4 NOB	08/19/2021				Positive Stop (Not Analyzed)
Sample ID FT1-2 532101441-0008		Description Bedroom Hallway - Brown 9x9 Floor Tile			
		Homogeneity			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	08/19/2021				Positive Stop (Not Analyzed)
TEM NYS 198.4 NOB	08/19/2021				Positive Stop (Not Analyzed)
Sample ID FTM1-1 532101441-0009		Description Entry Stairwell - Black Mastic Associated W/ Brown 9x9			
		Homogeneity Homogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	08/19/2021	Black	None	98.10% Other	1.90% Chrysotile
TEM NYS 198.4 NOB	08/19/2021				Positive Stop (Not Analyzed)
Sample ID FTM1-2 532101441-0010		Description Bedroom Hallway - Black Mastic Associated W/ Brown 9x9			
		Homogeneity			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	08/19/2021				Positive Stop (Not Analyzed)
TEM NYS 198.4 NOB	08/19/2021				Positive Stop (Not Analyzed)
Sample ID DW1-1 532101441-0011		Description Living Room 2nd Floor - Gray Drywall			
		Homogeneity Heterogeneous			
PLM NYS 198.1 Friable	08/19/2021	Brown/ White	12.00% Cellulose	85.00% Gypsum 3.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed

Initial report from: 08/19/2021 13:16:25



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<http://www.EMSL.com / rochesterlab@EMSL.com>

EMSL Order: 532101441

Customer ID: LIRO50

Customer PO: 19-241-2291

Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID DW1-2 532101441-0012			Description Living Room 3rd Floor - Gray Drywall Homogeneity Heterogeneous		
PLM NYS 198.1 Friable	08/19/2021	Brown/ White	12.00% Cellulose	85.00% Gypsum 3.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID DW1-3 532101441-0013			Description Dining Room 2nd Floor - Gray Drywall Homogeneity Heterogeneous		
PLM NYS 198.1 Friable	08/19/2021	Brown/ Pink	12.00% Cellulose	85.00% Gypsum 3.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID DW1-4 532101441-0014			Description Bedroom 1 2nd Floor - Gray Drywall Homogeneity Heterogeneous		
PLM NYS 198.1 Friable	08/19/2021	Brown/ White	12.00% Cellulose	85.00% Gypsum 3.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID DW1-5 532101441-0015			Description Bedroom 1 3rd Floor - Gray Drywall Homogeneity Homogeneous		
PLM NYS 198.1 Friable	08/19/2021	Pink	2.00% Cellulose	95.00% Gypsum 3.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID WG1-1 532101441-0016			Description 2nd Floor Kitchen Sliding Door - Window Glaze (White) Homogeneity Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	08/19/2021	White		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	08/19/2021	White		100.00% Other	None Detected
Sample ID WG1-2 532101441-0017			Description 2nd Floor Kitchen Sliding Door - Window Glaze (White) Homogeneity Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	08/19/2021	White		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	08/19/2021	White		100.00% Other	None Detected

Initial report from: 08/19/2021 13:16:25



EMSL Analytical, Inc.

2975 Brighton Henrietta Town Line Rd ,100 Ste 130 Rochester, NY 14623

Tel/Fax: (585) 957-9436 / (585) 957-9437

<http://www.EMSL.com / rochesterlab@EMSL.com>

EMSL Order: 532101441

Customer ID: LIRO50

Customer PO: 19-241-2291

Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID JC1-1 532101441-0018		Description 2nd Floor Living Room - Joint Compound Homogeneity			
PLM NYS 198.1 Friable	08/19/2021				Layer Not Present
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID JC1-2 532101441-0019		Description 3rd Floor Living Room - Joint Compound Homogeneity			
PLM NYS 198.1 Friable	08/19/2021				Layer Not Present
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID JC1-3 532101441-0020		Description 2nd Floor Dining Room - Joint Compound Homogeneity Homogeneous			
PLM NYS 198.1 Friable	08/19/2021	White		20.00% Ca Carbonate 80.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID JC1-4 532101441-0021		Description Bedroom 1 2nd Floor - Joint Compound Homogeneity			
PLM NYS 198.1 Friable	08/19/2021				Layer Not Present
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID JC1-5 532101441-0022		Description 3rd Floor Bedroom - Joint Compound Homogeneity Homogeneous			
PLM NYS 198.1 Friable	08/19/2021	White		20.00% Ca Carbonate 80.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID LN1-1 532101441-0023		Description Bathroom (2nd Floor) - Mottled Linoleum Homogeneity Homogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	08/19/2021	White	<1.00% Glass	100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	08/19/2021	White		100.00% Other	None Detected

Initial report from: 08/19/2021 13:16:25



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EMSL Order: 532101441

Customer ID: LIRO50

Customer PO: 19-241-2291

Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID LN1-2 532101441-0024		Description Bathroom Closet - Mottled Linoleum Homogeneity Homogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	08/19/2021	White	<1.00% Glass	100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	08/19/2021	White		100.00% Other	None Detected
Sample ID LNM1-1 532101441-0025		Description Bathroom (2nd Floor) - Black Mastic (Mottled Linoleum) Homogeneity Homogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	08/19/2021	Black	1.00% Glass	99.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	08/19/2021	Black		100.00% Other	None Detected
Sample ID LNM1-2 532101441-0026		Description Bathroom Closet - Black Mastic (Mottled Linoleum) Homogeneity Homogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	08/19/2021	Black	<1.00% Glass	100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	08/19/2021	Black		100.00% Other	None Detected
Sample ID FT2-1 532101441-0027		Description 3rd Floor Kitchen - White 12x12 Floor Tile Homogeneity Homogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	08/19/2021	White		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	08/19/2021	White		100.00% Other	None Detected
Sample ID FT2-2 532101441-0028		Description 3rd Floor Kitchen - White 12x12 Floor Tile Homogeneity Homogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	08/19/2021	White		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	08/19/2021	White		100.00% Other	None Detected
Sample ID FTM2-1 532101441-0029		Description 3rd Floor Kitchen - Yellow Mastic (White 12x12 FT) Homogeneity Homogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	08/19/2021	Yellow		100.00% Other	Inconclusive: None Detected
Sample below method recommended minimum weight; analyzed at client's request.					
TEM NYS 198.4 NOB	08/19/2021	Yellow		100.00% Other	None Detected

Initial report from: 08/19/2021 13:16:25



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EMSL Order: 532101441

Customer ID: LIRO50

Customer PO: 19-241-2291

Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID FTM2-2 532101441-0030		Description 3rd Floor Kitchen - Yellow Mastic (White 12x12 FT)			
		Homogeneity Homogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB 08/19/2021	08/19/2021	Yellow		100.00% Other	Inconclusive: None Detected
Sample below method recommended minimum weight; analyzed at client's request.					
TEM NYS 198.4 NOB 08/19/2021	08/19/2021	Yellow		100.00% Other	None Detected
Sample ID FT3-1 532101441-0031		Description 3rd Floor Landing Area - White 9x9 Floor Tile			
		Homogeneity Homogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB 08/19/2021	08/19/2021	Brown	None	90.30% Other	9.70% Chrysotile
TEM NYS 198.4 NOB 08/19/2021	08/19/2021				Positive Stop (Not Analyzed)
Sample ID FT3-2 532101441-0032		Description 3rd Floor Landing Area - White 9x9 Floor Tile			
		Homogeneity			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB 08/19/2021	08/19/2021				Positive Stop (Not Analyzed)
TEM NYS 198.4 NOB 08/19/2021	08/19/2021				Positive Stop (Not Analyzed)
Sample ID FTM3-1 532101441-0033		Description 3rd Floor Landing Area - Black Mastic (White 9x9 FT)			
		Homogeneity Homogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB 08/19/2021	08/19/2021	Black	None	95.20% Other	4.80% Chrysotile
TEM NYS 198.4 NOB 08/19/2021	08/19/2021				Positive Stop (Not Analyzed)
Sample ID FTM3-2 532101441-0034		Description 3rd Floor Landing Area - Black Mastic (White 9x9 FT)			
		Homogeneity			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB 08/19/2021	08/19/2021				Positive Stop (Not Analyzed)
TEM NYS 198.4 NOB 08/19/2021	08/19/2021				Positive Stop (Not Analyzed)

Initial report from: 08/19/2021 13:16:25



EMSL Analytical, Inc.

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Tel/Fax: (585) 957-9436 / (585) 957-9437

<http://www.EMSL.com / rochesterlab@EMSL.com>

EMSL Order: 532101441

Customer ID: LIRO50

Customer PO: 19-241-2291

Project ID:

Test Report:Asbestos Analysis of Bulk Material

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk Materials via NYS ELAP Approved Methods. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

Report Comments:

Sample Receipt Date: 8/17/2021

Sample Receipt Time: 2:10 PM

Analysis Completed Date: 8/19/2021

Analysis Completed Time: 11:01 AM

Analyst(s):

Jessica Schwartz PLM NYS 198.1 Friable (4)

Melissa Hartwig PLM NYS 198.1 Friable (9)

Melissa Hartwig PLM NYS 198.6 NOB (14)

Peter Donato TEM NYS 198.4 NOB (10)

Samples reviewed and approved by:

Peter Donato, Laboratory Manager
or Other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Rochester, NY NYS ELAP 12088, NVLAP Lab Code 600183-0

Initial report from: 08/19/2021 13:16:25

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (856) 303-2500 / (856) 786-5974

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

EMSL Order: 202106367

CustomerID: LIRO50

CustomerPO: 19-241-2291

ProjectID:

Attn: **J. Seward**
The LiRo Group
690 Delaware Avenue
Buffalo, NY 14209

Phone: (716) 882-5476
Fax: (716) 882-9640
Received: 08/18/21 1:40 PM
Collected: 8/17/2021

Project: **Wayne County Regional Land Bank / Lyons, NJ / 19-241-2291****Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)***

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Weight</i>	<i>Lead Concentration</i>
1	202106367-0001	8/17/2021	8/23/2021	0.2647 g	0.57 % wt
Site: Stairwell Wall / beige paint					

Phillip Worby, Lead Laboratory Manager
or other approved signatory

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Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.008% wt based on the minimum sample weight per our SOP. "<" (less than) result signifies the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. Definitions of modifications are available upon request.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NELAP Certifications: NJ 03036, NY 10872, PA 68-00367, AIHA-LAP, LLC ELLAP 100194, A2LA 2845.01

Initial report from 08/25/2021 10:54:53



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2975 Brighton Henrietta Town Line Rd ,100 Ste 130 Rochester, NY 14623

Tel/Fax: (585) 957-9436 / (585) 957-9437

<http://www.EMSL.com / rochesterlab@EMSL.com>

EMSL Order: 532101463

Customer ID: LIRO50E

Customer PO:

Project ID:

Attention: J Colvin
Liro Engineers
85 Allen Street
Rochester, NY 14608

Phone: (585) 322-3930

Fax:

Received Date: 08/19/2021 3:27 PM

Analysis Date: 08/23/2021

Collected Date: 08/19/2021

Project: Job #19-241-2291, Wayne County Regional Land Bank, Lyons NY, 60 Canal Street

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID CT1-1 532101463-0001		Description Living Room Ceiling - 9x9 Ceiling Tile Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	08/23/2021	Brown/ White		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	08/23/2021	Brown/ White		100.00% Other	None Detected
Sample ID CT1-2 532101463-0002		Description Living Room Ceiling - 9x9 Ceiling Tile Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	08/23/2021	Brown/ White		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	08/23/2021	Brown/ White		100.00% Other	None Detected
Sample ID DW1-1 532101463-0003		Description Hallway Outside Bedroom - White Drywall Homogeneity Heterogeneous			
PLM NYS 198.1 Friable	08/23/2021	Brown/ White	10.00% Cellulose	80.00% Gypsum 10.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID DW1-2 532101463-0004		Description Bedroom Closet - White Drywall Homogeneity Heterogeneous			
PLM NYS 198.1 Friable	08/23/2021	Brown/ White	10.00% Cellulose	80.00% Gypsum 10.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID DW1-3 532101463-0005		Description Storage Closet - White Drywall Homogeneity Heterogeneous			
PLM NYS 198.1 Friable	08/23/2021	Brown/ White	5.00% Cellulose	80.00% Gypsum 15.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed

Initial report from: 08/23/2021 14:50:14



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Tel/Fax: (585) 957-9436 / (585) 957-9437

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EMSL Order: 532101463

Customer ID: LIRO50E

Customer PO:

Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID FT1-1 532101463-0006		Description Dining Room - Tan Speckled 9"x9" Floor Tile Homogeneity Homogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	08/23/2021	Orange	None	93.10% Other	6.90% Chrysotile
TEM NYS 198.4 NOB	08/23/2021				Positive Stop (Not Analyzed)
Sample ID FT1-2 532101463-0007		Description Linen Closet - Tan Speckled 9"x9" Floor Tile Homogeneity Homogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	08/23/2021				Positive Stop (Not Analyzed)
TEM NYS 198.4 NOB	08/23/2021				Positive Stop (Not Analyzed)
Sample ID FTM1-1 532101463-0008		Description Dining Closet - Black Mastic (9x9" Tan Spackled) Homogeneity Homogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	08/23/2021	Black	None	100.00% Other	Inconclusive : <1% Chrysotile
TEM NYS 198.4 NOB	08/23/2021	Black	None	97.00% Other	3.00% Chrysotile
Sample ID FTM1-2 532101463-0009		Description Linen Closet - Black Mastic (9x9" Tan Spackled) Homogeneity Homogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	08/23/2021	Black	None	100.00% Other	Inconclusive : <1% Chrysotile
TEM NYS 198.4 NOB	08/23/2021				Positive Stop (Not Analyzed)
Sample ID WP1-1 532101463-0010		Description Hallway Outside Bedroom - White Wall Patch Homogeneity Homogeneous			
PLM NYS 198.1 Friable	08/23/2021	White		10.00% Ca Carbonate 90.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID WP1-2 532101463-0011		Description Hallway Outside Bedroom - White Wall Patch Homogeneity Homogeneous			
PLM NYS 198.1 Friable	08/23/2021	White		10.00% Ca Carbonate 90.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed

Initial report from: 08/23/2021 14:50:14



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Tel/Fax: (585) 957-9436 / (585) 957-9437

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EMSL Order: 532101463

Customer ID: LIRO50E

Customer PO:

Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID LN1-1 532101463-0012		Description Bathroom - Linoleum-Green Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	08/23/2021	Various	<1.00% Glass	100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	08/23/2021	Various		100.00% Other	None Detected
Sample ID LN1-2 532101463-0013		Description Bathroom - Linoleum-Green Homogeneity Heterogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	08/23/2021	Various	<1.00% Glass	100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	08/23/2021	Various		100.00% Other	None Detected
Sample ID LNM1-1 532101463-0014		Description Bathroom - Yellow Mastic (Green Linoleum) Homogeneity Homogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	08/23/2021	Orange		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	08/23/2021	Orange		100.00% Other	None Detected
Sample ID LNM1-2 532101463-0015		Description Bathroom - Yellow Mastic (Green Linoleum) Homogeneity Homogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	08/23/2021	Orange		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	08/23/2021	Orange		100.00% Other	None Detected
Sample ID SM1-1 532101463-0016		Description Kitchen Sink - Black Sink Mastic Homogeneity Homogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	08/23/2021	Black	None	92.90% Other	7.10% Chrysotile
TEM NYS 198.4 NOB	08/23/2021				Positive Stop (Not Analyzed)
Sample ID SM1-2 532101463-0017		Description Kitchen Sink - Black Sink Mastic Homogeneity			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	08/23/2021				Positive Stop (Not Analyzed)
TEM NYS 198.4 NOB	08/23/2021				Positive Stop (Not Analyzed)

Initial report from: 08/23/2021 14:50:14



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EMSL Order: 532101463

Customer ID: LIRO50E

Customer PO:

Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID WJ1-1 532101463-0018		Description Dining Room-Electrical - White Wire Jacket Homogeneity Homogeneous			
PLM NYS 198.1 Friable	08/23/2021	White	95.00% Cellulose	5.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID WJ1-2 532101463-0019		Description Dining Room-Electrical - White Wire Jacket Homogeneity Homogeneous			
PLM NYS 198.1 Friable	08/23/2021	White	95.00% Cellulose	5.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID WC1-1 532101463-0020		Description Exterior-Window Above Door - White Window Caulk Homogeneity Homogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	08/23/2021	White		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	08/23/2021	White		100.00% Other	None Detected
Sample ID WC1-2 532101463-0021		Description Exterior-Window Above Door - White Window Caulk Homogeneity Homogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	08/23/2021	White		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	08/23/2021	White		100.00% Other	None Detected

Initial report from: 08/23/2021 14:50:14



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EMSL Order: 532101463

Customer ID: LIRO50E

Customer PO:

Project ID:

Test Report:Asbestos Analysis of Bulk Material

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk Materials via NYS ELAP Approved Methods. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

Report Comments:

Sample Receipt Date: 8/19/2021

Sample Receipt Time: 3:27 PM

Analysis Completed Date: 8/23/2021

Analysis Completed Time: 9:51 AM

Analyst(s):

Jordan Ramos PLM NYS 198.1 Friable (7)

Jordan Ramos PLM NYS 198.6 NOB (12)

Peter Donato TEM NYS 198.4 NOB (9)

Samples reviewed and approved by:

Peter Donato, Laboratory Manager
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. 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. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. Estimation of uncertainty available upon request. This report is a summary of multiple methods of analysis, fully compliant reports are available upon request. All samples examined for the presence of vermiculite when analyzed via NYS 198.1. A combination of PLM and TEM analysis may be necessary to ensure consistently reliable detection of asbestos. Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. This report must not be used to claim product endorsement by NVLAP of any agency or the U.S. Government. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing. NOB= Non friable organically bound; N/A= Not applicable VCM= Vermiculite containing material.

Samples analyzed by EMSL Analytical, Inc. Rochester, NY NYS ELAP 12088, NVLAP Lab Code 600183-0

Initial report from: 08/23/2021 14:50:14



EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Phone: (856) 303-2500 Fax: (856) 858-4571 Email: EnvChemistry2@emsl.com

Attn:

Jason Colvin
The LiRo Group
690 Delaware Avenue
Buffalo, NY 14209

8/26/2021

Phone: (716) 882-5476
Fax: (716) 882-9640

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 8/20/2021. The results are tabulated on the attached data pages for the following client designated project:

19-241-2291 Wayne County Regional Land Bank

The reference number for these samples is EMSL Order #012109455. Please use this reference when calling about these samples. If you have any questions, please do not hesitate to contact me at (856) 303-2500.

Approved By:

Phillip Worby, Environmental Chemistry
Laboratory Director



The test results contained within this report meet the requirements of NELAP and/or the specific certification program that is applicable, unless otherwise noted.
NELAP Certifications: NJ 03036, NY 10872, PA 68-00367, CA ELAP 1877

The samples associated with this report were received in good condition unless otherwise noted. This report relates only to those items tested as received by the laboratory. The QC data associated with the sample results meet the recovery and precision requirements established by the NELAP, unless specifically indicated. All results for soil samples are reported on a dry weight basis, unless otherwise noted. This report may not be reproduced except in full and without written approval by EMSL Analytical, Inc.

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (856) 303-2500 / (856) 858-4571

<http://www.EMSL.com>EnvChemistry2@emsl.com

EMSL Order: 012109455
CustomerID: LIRO50
CustomerPO: 19-241-2291
ProjectID:

Attn: **Jason Colvin**
The LiRo Group
690 Delaware Avenue
Buffalo, NY 14209

Phone: (716) 882-5476
Fax: (716) 882-9640
Received: 8/20/2021 09:20 AM

Project: 19-241-2291 Wayne County Regional Land Bank

Analytical Results

Client Sample Description CA- 1/2/3
Exterior window above door
Collected: 8/19/2021 9:00:00 AM
Lab ID: 012109455-0001

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
GC-SVOA					
3540C/8082A	Aroclor-1016	ND D	0.95 mg/Kg	8/20/2021 PG	8/24/2021 00:00 EH
3540C/8082A	Aroclor-1221	ND D	0.95 mg/Kg	8/20/2021 PG	8/24/2021 00:00 EH
3540C/8082A	Aroclor-1232	ND D	0.95 mg/Kg	8/20/2021 PG	8/24/2021 00:00 EH
3540C/8082A	Aroclor-1242	ND D	0.95 mg/Kg	8/20/2021 PG	8/24/2021 00:00 EH
3540C/8082A	Aroclor-1248	ND D	0.95 mg/Kg	8/20/2021 PG	8/24/2021 00:00 EH
3540C/8082A	Aroclor-1254	ND D	0.95 mg/Kg	8/20/2021 PG	8/24/2021 00:00 EH
3540C/8082A	Aroclor-1260	ND D	0.95 mg/Kg	8/20/2021 PG	8/24/2021 00:00 EH
3540C/8082A	Aroclor-1262	ND D	0.95 mg/Kg	8/20/2021 PG	8/24/2021 00:00 EH
3540C/8082A	Aroclor-1268	ND D	0.95 mg/Kg	8/20/2021 PG	8/24/2021 00:00 EH

Definitions:

MDL - method detection limit

J - Result was below the reporting limit, but at or above the MDL

ND - indicates that the analyte was not detected at the reporting limit

RL - Reporting Limit (Analytical)

D - Dilution Sample required a dilution which was used to calculate final results



EMSL Analytical, Inc.

2975 Brighton Henrietta Town Line Rd ,100 Ste 130 Rochester, NY 14623

Tel/Fax: (585) 957-9436 / (585) 957-9437

<http://www.EMSL.com / rochesterlab@EMSL.com>

EMSL Order: 532101464

Customer ID: LIRO50E

Customer PO: 19-241-2291

Project ID:

Attention: J Colvin

Liro Engineers

85 Allen Street

Rochester, NY 14608

Phone: (585) 322-3930

Fax:

Received Date: 08/19/2021 3:49 PM

Analysis Date: 08/23/2021

Collected Date: 08/19/2021

Project: Job #19-241-2291, Wayne County Regional Land Bank, Lyons NY, 62 Canal Street

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID FT1-1 532101464-0001		Description Homogeneity	Hallway/Corridor - Tan Speckled 9x9" Floor Tile Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	08/23/2021	Orange	None	91.60% Other	8.40% Chrysotile
TEM NYS 198.4 NOB	08/23/2021				Positive Stop (Not Analyzed)
Sample ID FT1-2 532101464-0002		Description Homogeneity	Room 1 - Tan Speckled 9x9" Floor Tile		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	08/23/2021				Positive Stop (Not Analyzed)
TEM NYS 198.4 NOB	08/23/2021				Positive Stop (Not Analyzed)
Sample ID FTM1-1 532101464-0003		Description Homogeneity	Hallway/Corridor - Black Mastic (Tan Speckled 9x9" FT)		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	08/23/2021	Black	None	97.80% Other	2.20% Chrysotile
TEM NYS 198.4 NOB	08/23/2021				Positive Stop (Not Analyzed)
Sample ID FTM1-2 532101464-0004		Description Homogeneity	Room 1 - Black Mastic (Tan Speckled 9x9" FT)		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	08/23/2021				Positive Stop (Not Analyzed)
TEM NYS 198.4 NOB	08/23/2021				Positive Stop (Not Analyzed)
Sample ID LN1-1 532101464-0005		Description Homogeneity	Front Room - Marbled Linoleum Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	08/23/2021	White	3.60% Glass	96.40% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	08/23/2021	White		100.00% Other	None Detected

Report amended: 09/16/2021 09:32:00 Replaces initial report from: 08/23/2021 15:35:42 Reason Code: Data Entry-Change to Location



EMSL Analytical, Inc.

2975 Brighton Henrietta Town Line Rd ,100 Ste 130 Rochester, NY 14623

Tel/Fax: (585) 957-9436 / (585) 957-9437

<http://www.EMSL.com / rochesterlab@EMSL.com>

EMSL Order: 532101464

Customer ID: LIRO50E

Customer PO: 19-241-2291

Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID LN1-2 532101464-0006		Description Homogeneity	Hallway/Corridor - Marbled Linoleum Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	08/23/2021	White	3.40% Glass	96.60% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	08/23/2021	White		100.00% Other	None Detected
Sample ID LN2-1 532101464-0007		Description Homogeneity	Kitchen - Brick Pattern Linoleum Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	08/23/2021	Brown	2.10% Glass	97.90% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	08/23/2021	Brown		100.00% Other	None Detected
Sample ID LN2-2 532101464-0008		Description Homogeneity	Kitchen - Brick Pattern Linoleum Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	08/23/2021	Brown	1.90% Glass	98.10% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	08/23/2021	Brown		100.00% Other	None Detected
Sample ID LNM2-1 532101464-0009		Description Homogeneity	Kitchen - Tan Mastic (Brick Linoleum) Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	08/23/2021	Tan	5.70% Glass	94.30% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	08/23/2021	Tan		100.00% Other	None Detected
Sample ID LNM2-2 532101464-0010		Description Homogeneity	Kitchen - Tan Mastic (Brick Linoleum) Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	08/23/2021	Tan	5.60% Glass	94.40% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	08/23/2021	Tan		100.00% Other	None Detected
Sample ID LN3-1 532101464-0011		Description Homogeneity	Kitchen - Brown Linoleum Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	08/23/2021	Brown	2.00% Glass	98.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	08/23/2021	Brown		100.00% Other	None Detected

Report amended: 09/16/2021 09:32:00 Replaces initial report from: 08/23/2021 15:35:42 Reason Code: Data Entry-Change to Location



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2975 Brighton Henrietta Town Line Rd , 100 Ste 130 Rochester, NY 14623

Tel/Fax: (585) 957-9436 / (585) 957-9437

<http://www.EMSL.com / rochesterlab@EMSL.com>

EMSL Order: 532101464

Customer ID: LIRO50E

Customer PO: 19-241-2291

Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID LN3-2 532101464-0012		Description Homogeneity	Kitchen - Brown Linoleum Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	08/23/2021	Brown	1.60% Glass	98.40% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	08/23/2021	Brown		100.00% Other	None Detected
Sample ID LNM3-1 532101464-0013		Description Homogeneity	Kitchen - Tan Mastic (Brown Linoleum) Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	08/23/2021	Brown	2.90% Glass	97.10% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	08/23/2021	Brown		100.00% Other	None Detected
Sample ID LNM3-2 532101464-0014		Description Homogeneity	Kitchen - Tan Mastic (Brown Linoleum) Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	08/23/2021	Brown	2.70% Glass	97.30% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	08/23/2021	Brown		100.00% Other	None Detected
Sample ID DW1-1 532101464-0015		Description Homogeneity	Front Room - White Drywall Heterogeneous		
PLM NYS 198.1 Friable	08/23/2021	Tan/ White	10.00% Cellulose	85.00% Gypsum 5.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID DW1-2 532101464-0016		Description Homogeneity	Room 1 - White Drywall Heterogeneous		
PLM NYS 198.1 Friable	08/23/2021	Tan/ White	10.00% Cellulose	85.00% Gypsum 5.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID DW1-3 532101464-0017		Description Homogeneity	Room 2 - White Drywall Heterogeneous		
PLM NYS 198.1 Friable	08/23/2021	Tan/ White	10.00% Cellulose	85.00% Gypsum 5.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed

Report amended: 09/16/2021 09:32:00 Replaces initial report from: 08/23/2021 15:35:42 Reason Code: Data Entry-Change to Location



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2975 Brighton Henrietta Town Line Rd ,100 Ste 130 Rochester, NY 14623

Tel/Fax: (585) 957-9436 / (585) 957-9437

<http://www.EMSL.com / rochesterlab@EMSL.com>

EMSL Order: 532101464

Customer ID: LIRO50E

Customer PO: 19-241-2291

Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID DT1-1 532101464-0018		Description Homogeneity	Basement-on HVAC Duct - White Duct Tape/Sealant Homogeneous		
PLM NYS 198.1 Friable	08/23/2021	White	20.00% Cellulose	13.00% Non-fibrous (other)	67.00% Chrysotile
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID DT1-2 532101464-0019		Description Homogeneity	Basement-on HVAC Duct - White Duct Tape/Sealant Homogeneous		
PLM NYS 198.1 Friable	08/23/2021				Positive Stop (Not Analyzed)
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID WC1-1 532101464-0020		Description Homogeneity	Exterior Window-Above Door - White Window Caulk Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	08/23/2021	White		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	08/23/2021	White		100.00% Other	None Detected
Sample ID WC1-2 532101464-0021		Description Homogeneity	Exterior Window-Above Door - White Window Caulk Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	08/23/2021	White		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	08/23/2021	White		100.00% Other	None Detected
Sample ID LN4-1 532101464-0022		Description Homogeneity	Front Room - Red Linoleum Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	08/23/2021	Brown/ Black	None	100.00% Other	Inconclusive : <1% Chrysotile
TEM NYS 198.4 NOB	08/23/2021	Brown/ Black	None	100.00% Other	<1% Chrysotile
Sample ID LN4-2 532101464-0023		Description Homogeneity	Front Room - Red Linoleum Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	08/23/2021	Brown/ Black	None	100.00% Other	Inconclusive : <1% Chrysotile
TEM NYS 198.4 NOB	08/23/2021	Brown/ Black	None	100.00% Other	<1% Chrysotile

Report amended: 09/16/2021 09:32:00 Replaces initial report from: 08/23/2021 15:35:42 Reason Code: Data Entry-Change to Location



EMSL Analytical, Inc.

2975 Brighton Henrietta Town Line Rd ,100 Ste 130 Rochester, NY 14623

Tel/Fax: (585) 957-9436 / (585) 957-9437

<http://www.EMSL.com> / rochesterlab@EMSL.com

EMSL Order: 532101464

Customer ID: LIRO50E

Customer PO: 19-241-2291

Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID LNM4-1 532101464-0024		Description Homogeneity	Front Room - Black Mastic (Red Linoleum) Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	08/23/2021	Black	None	92.80% Other	7.20% Chrysotile
TEM NYS 198.4 NOB	08/23/2021				Positive Stop (Not Analyzed)
Sample ID LNM4-2 532101464-0025		Description Homogeneity	Front Room - Black Mastic (Red Linoleum)		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	08/23/2021				Positive Stop (Not Analyzed)
TEM NYS 198.4 NOB	08/23/2021				Positive Stop (Not Analyzed)

Report amended: 09/16/2021 09:32:00 Replaces initial report from: 08/23/2021 15:35:42 Reason Code: Data Entry-Change to Location



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2975 Brighton Henrietta Town Line Rd ,100 Ste 130 Rochester, NY 14623

Tel/Fax: (585) 957-9436 / (585) 957-9437

<http://www.EMSL.com / rochesterlab@EMSL.com>

EMSL Order: 532101464

Customer ID: LIRO50E

Customer PO: 19-241-2291

Project ID:

Test Report:Asbestos Analysis of Bulk Material

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk Materials via NYS ELAP Approved Methods. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

Report Comments:

Sample Receipt Date: 8/19/2021

Sample Receipt Time: 3:49 PM

Analysis Completed Date: 8/23/2021

Analysis Completed Time: 11:02 AM

Analyst(s):

Peter Donato PLM NYS 198.1 Friable (4)

Peter Donato PLM NYS 198.6 NOB (17)

Peter Donato TEM NYS 198.4 NOB (14)

Samples reviewed and approved by:

Peter Donato, Laboratory Manager
or Other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Rochester, NY NYS ELAP 12088, NVLAP Lab Code 600183-0

Report amended: 09/16/2021 09:32:00 Replaces initial report from: 08/23/2021 15:35:42 Reason Code: Data Entry-Change to Location

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (856) 303-2500 / (856) 786-5974

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

EMSL Order: 202106425

CustomerID: LIRO50

CustomerPO: 19-241-2291

ProjectID:

Attn: **J. Seward**
The LiRo Group
690 Delaware Avenue
Buffalo, NY 14209

Phone: (716) 882-5476
Fax: (716) 882-9640
Received: 08/20/21 10:30 AM
Collected: 8/19/2021

Project: 19-241-2291 / Wayne County Regional Land Bank / Lyons, NY / 62 Canal St.

Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)*

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Weight</i>	<i>Lead Concentration</i>
LBP-1	202106425-0001	8/19/2021	8/24/2021	0.2505 g	0.091 % wt
Site: Room 1 - closet - red paint - wood					

Phillip Worby, Lead Laboratory Manager
or other approved signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. 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. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted.

Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.008% wt based on the minimum sample weight per our SOP. "<" (less than) result signifies the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. Definitions of modifications are available upon request.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NELAP Certifications: NJ 03036, NY 10872, PA 68-00367, AIHA-LAP, LLC ELLAP 100194, A2LA 2845.01

Initial report from 08/27/2021 10:47:18



EMSL Analytical, Inc.

2975 Brighton Henrietta Town Line Rd ,100 Ste 130 Rochester, NY 14623

Tel/Fax: (585) 957-9436 / (585) 957-9437

<http://www.EMSL.com / rochesterlab@EMSL.com>

EMSL Order: 532101582

Customer ID: LIRO50E

Customer PO: 19-241-2291

Project ID:

Attention: J Colvin
Liro Engineers
85 Allen Street
Rochester, NY 14608

Phone: (585) 322-3930

Fax:

Received Date: 09/08/2021 9:47 AM

Analysis Date: 09/10/2021

Collected Date: 09/08/2021

Project: Job #19-241-2291, Wayne County Regional Land Bank, Lyons NY, 64 Canal St.

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID DW1-1 532101582-0001		Description Apt A. Living Room/Kitchen - Gray Drywall Homogeneity Heterogeneous			
PLM NYS 198.1 Friable	09/10/2021	Brown/ White	10.00% Cellulose	85.00% Gypsum 5.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID DW1-2 532101582-0002		Description Apt A. Living Room/Kitchen - Gray Drywall Homogeneity Heterogeneous			
PLM NYS 198.1 Friable	09/10/2021	Brown/ White	10.00% Cellulose	85.00% Gypsum 5.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID DW1-3 532101582-0003		Description Apt A. Living Room/Kitchen ceiling - Gray Drywall Homogeneity Heterogeneous			
PLM NYS 198.1 Friable	09/10/2021	Brown/ White	10.00% Cellulose	85.00% Gypsum 5.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID SC1-1 532101582-0004		Description Apt A. Living Room/Kitchen - White Skim Coat Homogeneity Homogeneous			
PLM NYS 198.1 Friable	09/10/2021	White		10.00% Ca Carbonate 90.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID SC1-2 532101582-0005		Description Apt A. Living Room/Kitchen - White Skim Coat Homogeneity Homogeneous			
PLM NYS 198.1 Friable	09/10/2021	White		10.00% Ca Carbonate 90.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed

Report amended: 09/16/2021 09:26:00 Replaces initial report from: 09/10/2021 13:33:52 Reason Code: Data Entry-Change to Location



EMSL Analytical, Inc.

2975 Brighton Henrietta Town Line Rd , 100 Ste 130 Rochester, NY 14623

Tel/Fax: (585) 957-9436 / (585) 957-9437

<http://www.EMSL.com / rochesterlab@EMSL.com>

EMSL Order: 532101582

Customer ID: LIRO50E

Customer PO: 19-241-2291

Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID SC1-3 532101582-0006		Description Homogeneity	Apt A. Living Room/Kitchen ceiling - White Skim Coat Homogeneous		
PLM NYS 198.1 Friable	09/10/2021	White		10.00% Ca Carbonate 90.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID PL1-1 532101582-0007		Description Homogeneity	Bedroom Apt. A - White Plaster Homogeneous		
PLM NYS 198.1 Friable	09/10/2021	White		10.00% Ca Carbonate 90.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID PL1-2 532101582-0008		Description Homogeneity	Living Room/Kitchen Apt. A - White Plaster Homogeneous		
PLM NYS 198.1 Friable	09/10/2021	White		10.00% Ca Carbonate 90.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID PL1-3 532101582-0009		Description Homogeneity	Living Room/Kitchen Apt. A - White Plaster Homogeneous		
PLM NYS 198.1 Friable	09/10/2021	White		10.00% Ca Carbonate 90.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID PL2-1 532101582-0010		Description Homogeneity	Bedroom Apt. A - Gray Plaster Homogeneous		
PLM NYS 198.1 Friable	09/10/2021	Gray	2.00% Hair	98.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID PL2-2 532101582-0011		Description Homogeneity	Apt. A LR/Kitchen - Gray Plaster Homogeneous		
PLM NYS 198.1 Friable	09/10/2021	Gray	2.00% Hair	97.75% Non-fibrous (other)	0.25% Chrysotile
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed

Report amended: 09/16/2021 09:26:00 Replaces initial report from: 09/10/2021 13:33:52 Reason Code: Data Entry-Change to Location



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EMSL Order: 532101582

Customer ID: LIRO50E

Customer PO: 19-241-2291

Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID PL2-3 532101582-0012		Description Homogeneity	Apt. A LR/Kitchen - Gray Plaster Homogeneous		
PLM NYS 198.1 Friable	09/10/2021	Gray	3.00% Hair	96.50% Non-fibrous (other)	0.50% Chrysotile
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID JC1-1 532101582-0013		Description Homogeneity	Apartment A - White Joint Compound Homogeneous		
PLM NYS 198.1 Friable	09/10/2021	White		10.00% Ca Carbonate 90.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID JC1-2 532101582-0014		Description Homogeneity	Apartment A - White Joint Compound Homogeneous		
PLM NYS 198.1 Friable	09/10/2021	White		10.00% Ca Carbonate 90.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID JC1-3 532101582-0015		Description Homogeneity	Apartment A - White Joint Compound Homogeneous		
PLM NYS 198.1 Friable	09/10/2021	White		10.00% Ca Carbonate 90.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID TG1-1 532101582-0016		Description Homogeneity	Apartment A Kitchen - Gray Tile Grout Homogeneous		
PLM NYS 198.1 Friable	09/10/2021	White		10.00% Ca Carbonate 90.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID TG1-2 532101582-0017		Description Homogeneity	Apartment A Kitchen - Gray Tile Grout Homogeneous		
PLM NYS 198.1 Friable	09/10/2021	White		10.00% Ca Carbonate 90.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed

Report amended: 09/16/2021 09:26:00 Replaces initial report from: 09/10/2021 13:33:52 Reason Code: Data Entry-Change to Location



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EMSL Order: 532101582

Customer ID: LIRO50E

Customer PO: 19-241-2291

Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID TC1-1 532101582-0018		Description Homogeneity	Apartment A Kitchen - White Tile Cement Homogeneous		
PLM NYS 198.1 Friable	09/10/2021	White		10.00% Ca Carbonate 90.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID TC1-2 532101582-0019		Description Homogeneity	Apartment A Kitchen - White Tile Cement Homogeneous		
PLM NYS 198.1 Friable	09/10/2021	White		10.00% Ca Carbonate 90.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID CT1-1 532101582-0020		Description Homogeneity	Entry Stairwell - White Speckled 2x4 Ceiling Tile Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/10/2021	Gray/ White	19.00% Min. Wool	81.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/10/2021	Gray/ White		100.00% Other	None Detected
Sample ID CT1-2 532101582-0021		Description Homogeneity	Entry Stairwell - White Speckled 2x4 Ceiling Tile Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/10/2021	Gray/ White	20.00% Min. Wool	80.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/10/2021	Gray/ White		100.00% Other	None Detected
Sample ID FT1-1 532101582-0022		Description Homogeneity	Apt. D - Brown 9x9" FT Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/10/2021	Brown	None	94.90% Other	5.10% Chrysotile
TEM NYS 198.4 NOB	09/10/2021				Positive Stop (Not Analyzed)
Sample ID FT1-2 532101582-0023		Description Homogeneity	Apt. D - Brown 9x9" FT Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/10/2021				Positive Stop (Not Analyzed)
TEM NYS 198.4 NOB	09/10/2021				Positive Stop (Not Analyzed)

Report amended: 09/16/2021 09:26:00 Replaces initial report from: 09/10/2021 13:33:52 Reason Code: Data Entry-Change to Location



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EMSL Order: 532101582

Customer ID: LIRO50E

Customer PO: 19-241-2291

Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID LN1-1 532101582-0024		Description Homogeneity	Apt. B Closet - Green Linoleum Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/10/2021	White/ Green	None	82.00% Other	18.00% Chrysotile
TEM NYS 198.4 NOB	09/10/2021				Positive Stop (Not Analyzed)
Sample ID LN1-2 532101582-0025		Description Homogeneity	Apt. B Closet - Green Linoleum Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/10/2021				Positive Stop (Not Analyzed)
TEM NYS 198.4 NOB	09/10/2021				Positive Stop (Not Analyzed)
Sample ID FT2-1 532101582-0026		Description Homogeneity	Apartment C Kitchen - White 12x12 Floor Tile Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/10/2021	White		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/10/2021	White		100.00% Other	None Detected
Sample ID FT2-2 532101582-0027		Description Homogeneity	Apartment C Kitchen - White 12x12 Floor Tile Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/10/2021	White		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/10/2021	White		100.00% Other	None Detected
Sample ID LN2-1 532101582-0028		Description Homogeneity	Apartment C Entry Way - Squared Linoleum Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/10/2021	Brown/ Tan	<1.00% Glass	100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/10/2021	Brown/ Tan		100.00% Other	None Detected
Sample ID LN2-2 532101582-0029		Description Homogeneity	Apartment C Entry Way - Squared Linoleum Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/10/2021	Brown/ Tan	<1.00% Glass	100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/10/2021	Brown/ Tan		100.00% Other	None Detected

Report amended: 09/16/2021 09:26:00 Replaces initial report from: 09/10/2021 13:33:52 Reason Code: Data Entry-Change to Location



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EMSL Order: 532101582

Customer ID: LIRO50E

Customer PO: 19-241-2291

Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID LNM1-1 532101582-0030		Description Homogeneity	Apartment C Entry Way - Yellow Linoleum Glue Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/10/2021	Tan/ Yellow	1.80% Glass	98.20% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/10/2021	Tan/ Yellow		100.00% Other	None Detected
Sample ID LNM1-2 532101582-0031		Description Homogeneity	Apartment C Entry Way - Yellow Linoleum Glue Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/10/2021	Tan/ Yellow	1.80% Glass	98.20% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	09/10/2021	Tan/ Yellow		100.00% Other	None Detected
Sample ID FTM1-1 532101582-0032		Description Homogeneity	Apt. D - Black Mastic Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/10/2021	Black	None	96.10% Other	3.90% Chrysotile
TEM NYS 198.4 NOB	09/10/2021				Positive Stop (Not Analyzed)
Sample ID FTM1-2 532101582-0033		Description Homogeneity	Apt. D - Black Mastic		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	09/10/2021				Positive Stop (Not Analyzed)
TEM NYS 198.4 NOB	09/10/2021				Positive Stop (Not Analyzed)

Report amended: 09/16/2021 09:26:00 Replaces initial report from: 09/10/2021 13:33:52 Reason Code: Data Entry-Change to Location



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EMSL Order: 532101582

Customer ID: LIRO50E

Customer PO: 19-241-2291

Project ID:

Test Report:Asbestos Analysis of Bulk Material

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk Materials via NYS ELAP Approved Methods. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

Report Comments:

Sample Receipt Date: 9/8/2021

Sample Receipt Time: 9:47 AM

Analysis Completed Date: 9/10/2021

Analysis Completed Time: 9:24 AM

Analyst(s):

Peter Donato PLM NYS 198.1 Friable (19)

Peter Donato PLM NYS 198.6 NOB (11)

Peter Donato TEM NYS 198.4 NOB (8)

Samples reviewed and approved by:

Peter Donato, Laboratory Manager
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. 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. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. Estimation of uncertainty available upon request. This report is a summary of multiple methods of analysis, fully compliant reports are available upon request. All samples examined for the presence of vermiculite when analyzed via NYS 198.1. A combination of PLM and TEM analysis may be necessary to ensure consistently reliable detection of asbestos. Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. This report must not be used to claim product endorsement by NVLAP of any agency or the U.S. Government. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing. NOB= Non friable organically bound; N/A= Not applicable VCM= Vermiculite containing material.

Samples analyzed by EMSL Analytical, Inc. Rochester, NY NYS ELAP 12088, NVLAP Lab Code 600183-0

Report amended: 09/16/2021 09:26:00 Replaces initial report from: 09/10/2021 13:33:52 Reason Code: Data Entry-Change to Location

**EMSL Analytical, Inc.**

528 Mineola Avenue, Carle Place, NY 11514

Phone/Fax: (516) 997-7251 / (516) 997-7528

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

EMSL Order: 062118126
CustomerID: LIRO50A
CustomerPO: 19-241-2291
ProjectID:

Attn: **Jason Colvin**
Liro Engineers, Inc.
100 Duffy Avenue
Suite 402
Hicksville, NY 11801

Phone: (516) 595-2900
Fax: (516) 937-5421
Received: 9/9/2021 10:56 AM
Collected: 9/7/2021

Project: #: 19-241-2291, Wayne County Regional Land Bank, Lyons NY, 64 Canal St

Test Report: Lead in Paint Chips by Flame AAS (SW 846 3051A/7000B)*

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Lead Concentration</i>
LBP-1	062118126-0001	9/7/2021	9/11/2021	6.5 % wt
Site: Apartment D, White/Black Paint				
LBP-2	062118126-0002	9/7/2021	9/11/2021	0.073 % wt
Site: Apartment D, Light Blue Paint				
LBP-3	062118126-0003	9/7/2021	9/11/2021	0.23 % wt
Site: Apartment D, Tan Paint				

Dominique Iaccarino, Chemistry Lab Manager
or other approved signatory

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Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.008% wt based on the minimum sample weight per our SOP. "<" (less than) result signifies the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. Definitions of modifications are available upon request.

Samples analyzed by EMSL Analytical, Inc. Carle Place, NY Lab ID 102344 is accredited by AIHA LAP, LLC in the env. accreditation program for Lead in Paint, CT PH-0249, NYS ELAP 11469, CA 2339

Initial report from 09/11/2021 17:22:32

APPENDIX C:
CERTIFICATIONS AND ACCREDITATIONS

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 600183-0

EMSL Analytical, Inc. Rochester, NY
Rochester, NY

*is accredited by the National Voluntary Laboratory Accreditation Program for specific services,
listed on the Scope of Accreditation, for:*

Asbestos Fiber Analysis

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).*

2021-01-01 through 2021-12-31

Effective Dates



A handwritten signature in blue ink, reading 'Dana S. Laman', is positioned above a horizontal line.

For the National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

EMSL Analytical, Inc. Rochester, NY

2975 Brighton Henrietta Town Line Rd.

Building 100, Suite 130

Rochester, NY 14623

Mr. Peter Donato

Phone: 585-957-9436 Fax: 585-957-9437

Email: pdonato@emsl.com

<http://www.emsl.com>

ASBESTOS FIBER ANALYSIS

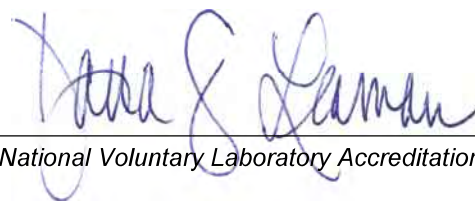
NVLAP LAB CODE 600183-0

Bulk Asbestos Analysis

<u>Code</u>	<u>Description</u>
18/A01	EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

Airborne Asbestos Analysis

<u>Code</u>	<u>Description</u>
18/A02	U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A.



For the National Voluntary Laboratory Accreditation Program

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2022
Issued April 01, 2021
Revised May 05, 2021

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. PHILLIP M. WORBY
EMSL ANALYTICAL INC
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077

NY Lab Id No: 10872

*is hereby APPROVED as an Environmental Laboratory in conformance with the
National Environmental Laboratory Accreditation Conference Standards (2016) for the category
ENVIRONMENTAL ANALYSES POTABLE WATER
All approved analytes are listed below:*

Bacteriology

Coliform, Total / E. coli (Qualitative)	SM 20, 21-23 9223B (-04) (Colilert)
Heterotrophic Plate Count	SM 20, 21-23 9215B (-04)

Disinfection By-products

Bromide	EPA 300.0 Rev. 2.1
---------	--------------------

Fuel Additives

Methyl tert-butyl ether	EPA 524.2
Naphthalene	EPA 524.2

Metals I

Arsenic, Total	EPA 200.8 Rev. 5.4
Barium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Cadmium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Chromium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Copper, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Iron, Total	EPA 200.7 Rev. 4.4
Lead, Total	EPA 200.8 Rev. 5.4
Manganese, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Mercury, Total	EPA 245.1 Rev. 3.0
Selenium, Total	EPA 200.8 Rev. 5.4
Silver, Total	EPA 200.7 Rev. 4.4

Metals I

Silver, Total	EPA 200.8 Rev. 5.4
Zinc, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4

Metals II

Aluminum, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Antimony, Total	EPA 200.8 Rev. 5.4
Beryllium, Total	EPA 200.8 Rev. 5.4
Nickel, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Thallium, Total	EPA 200.8 Rev. 5.4

Metals III

Calcium, Total	EPA 200.7 Rev. 4.4
Magnesium, Total	EPA 200.7 Rev. 4.4
Potassium, Total	EPA 200.7 Rev. 4.4
Sodium, Total	EPA 200.7 Rev. 4.4
Uranium (Mass)	EPA 200.8 Rev. 5.4

Microextractables

1,2,3-Trichloropropane, Low Level	EPA 504.1
1,2-Dibromo-3-chloropropane, Low Level	EPA 504.1
1,2-Dibromoethane, Low Level	EPA 504.1

Miscellaneous

Asbestos	EPA 100.1
	EPA 100.2

Serial No.: 63577

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.



NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2022
Issued April 01, 2021
Revised May 05, 2021

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. PHILLIP M. WORBY
EMSL ANALYTICAL INC
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077

NY Lab Id No: 10872

*is hereby APPROVED as an Environmental Laboratory in conformance with the
National Environmental Laboratory Accreditation Conference Standards (2016) for the category
ENVIRONMENTAL ANALYSES POTABLE WATER
All approved analytes are listed below:*

Miscellaneous

Organic Carbon, Total	SM 21-23 5310C (-00)
Surfactant (MBAS)	SM 21-23 5540C (-00)
Turbidity	SM 21-23 2130 B (-01)
	EPA 180.1 Rev. 2.0

Non-Metals

Alkalinity	SM 21-23 2320B (-97)
Calcium Hardness	EPA 200.7 Rev. 4.4
Chloride	EPA 300.0 Rev. 2.1
Color	SM 21-23 2120B (-01)
Cyanide	SM 20, 21-23 4500-CN E
	SM 20, 21-23 4500-CN G
Fluoride, Total	EPA 300.0 Rev. 2.1
Nitrate (as N)	EPA 300.0 Rev. 2.1
Nitrite (as N)	EPA 300.0 Rev. 2.1
Orthophosphate (as P)	EPA 300.0 Rev. 2.1
Silica, Total	EPA 200.7 Rev. 4.4
Solids, Total Dissolved	SM 21-23 2540C (-97)
Specific Conductance	SM 21-23 2510B (-97)
Sulfate (as SO ₄)	EPA 300.0 Rev. 2.1

Perfluorinated Alkyl Acids

Perfluorooctanesulfonic acid (PFOS)	EPA 537
	EPA 537.1
Perfluorooctanoic acid (PFOA)	EPA 537
	EPA 537.1

Radiological Analytes

Gamma Emitters	EPA 901.1
Gross Alpha	EPA 900.0
Gross Beta	EPA 900.0
Radium-226	EPA 903.0
Radium-228	EPA 904.0
Radon	SM 20-22 7500-Rn B(-06)
Tritium	EPA 906.0
Uranium (Activity)	EPA 908.0

Trihalomethanes

Bromodichloromethane	EPA 524.2
Bromoform	EPA 524.2
Chloroform	EPA 524.2
Dibromochloromethane	EPA 524.2

Volatile Aromatics

1,2,3-Trichlorobenzene	EPA 524.2
1,2,4-Trichlorobenzene	EPA 524.2
1,2,4-Trimethylbenzene	EPA 524.2
1,2-Dichlorobenzene	EPA 524.2
1,3,5-Trimethylbenzene	EPA 524.2
1,3-Dichlorobenzene	EPA 524.2
1,4-Dichlorobenzene	EPA 524.2
2-Chlorotoluene	EPA 524.2
4-Chlorotoluene	EPA 524.2
Benzene	EPA 524.2
Bromobenzene	EPA 524.2

Serial No.: 63577

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2022
Issued April 01, 2021
Revised May 05, 2021

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. PHILLIP M. WORBY
EMSL ANALYTICAL INC
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077

NY Lab Id No: 10872

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National Environmental Laboratory Accreditation Conference Standards (2016) for the category
ENVIRONMENTAL ANALYSES POTABLE WATER
All approved analytes are listed below:*

Volatile Aromatics

Chlorobenzene	EPA 524.2
Ethyl benzene	EPA 524.2
Hexachlorobutadiene	EPA 524.2
Isopropylbenzene	EPA 524.2
n-Butylbenzene	EPA 524.2
n-Propylbenzene	EPA 524.2
p-Isopropyltoluene (P-Cymene)	EPA 524.2
sec-Butylbenzene	EPA 524.2
Styrene	EPA 524.2
tert-Butylbenzene	EPA 524.2
Toluene	EPA 524.2
Total Xylenes	EPA 524.2

Volatile Halocarbons

1,1,1,2-Tetrachloroethane	EPA 524.2
1,1,1-Trichloroethane	EPA 524.2
1,1,2,2-Tetrachloroethane	EPA 524.2
1,1,2-Trichloroethane	EPA 524.2
1,1-Dichloroethane	EPA 524.2
1,1-Dichloroethene	EPA 524.2
1,1-Dichloropropene	EPA 524.2
1,2,3-Trichloropropane	EPA 524.2
1,2-Dichloroethane	EPA 524.2
1,2-Dichloropropane	EPA 524.2
1,3-Dichloropropane	EPA 524.2
2,2-Dichloropropane	EPA 524.2

Volatile Halocarbons

Bromochloromethane	EPA 524.2
Bromomethane	EPA 524.2
Carbon tetrachloride	EPA 524.2
Chloroethane	EPA 524.2
Chloromethane	EPA 524.2
cis-1,2-Dichloroethene	EPA 524.2
cis-1,3-Dichloropropene	EPA 524.2
Dibromomethane	EPA 524.2
Dichlorodifluoromethane	EPA 524.2
Methylene chloride	EPA 524.2
Tetrachloroethene	EPA 524.2
trans-1,2-Dichloroethene	EPA 524.2
trans-1,3-Dichloropropene	EPA 524.2
Trichloroethene	EPA 524.2
Trichlorofluoromethane	EPA 524.2
Vinyl chloride	EPA 524.2

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Acrylates

Acrolein (Propenal)	EPA 8260D
	EPA 624.1
Acrylonitrile	EPA 8260D
	EPA 624.1

Amines

1,2-Diphenylhydrazine	EPA 8270E
1,4-Phenylenediamine	EPA 8270E
1-Naphthylamine	EPA 8270E
2-Naphthylamine	EPA 8270E
2-Nitroaniline	EPA 8270E
3-Nitroaniline	EPA 8270E
4-Chloroaniline	EPA 8270E
4-Nitroaniline	EPA 8270E
5-Nitro-o-toluidine	EPA 8270E
Aniline	EPA 625.1
	EPA 8270E
Carbazole	EPA 625.1
	EPA 8270E
Pronamide	EPA 8270E
Propionitrile	EPA 8260D
Pyridine	EPA 8260D
	EPA 625.1
	EPA 8270E

Bacteriology

Heterotrophic Plate Count	SM 18-21 9215B
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Benzidines

3,3'-Dichlorobenzidine	EPA 625.1
	EPA 8270E
3,3'-Dimethylbenzidine	EPA 8270E
Benzidine	EPA 625.1
	EPA 8270E

Chlorinated Hydrocarbon Pesticides

4,4'-DDD	EPA 8081B
	EPA 608.3
4,4'-DDE	EPA 8081B
	EPA 608.3
4,4'-DDT	EPA 8081B
	EPA 608.3
Aldrin	EPA 8081B
	EPA 608.3
alpha-BHC	EPA 8081B
	EPA 608.3
alpha-Chlordane	EPA 8081B
beta-BHC	EPA 8081B
	EPA 608.3
Chlordane Total	EPA 8081B
	EPA 608.3
Chlorobenzilate	EPA 8270E
delta-BHC	EPA 8081B
	EPA 608.3
Diallate	EPA 8270E

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Chlorinated Hydrocarbon Pesticides

Dieldrin	EPA 8081B
	EPA 608.3
Endosulfan I	EPA 8081B
	EPA 608.3
Endosulfan II	EPA 8081B
	EPA 608.3
Endosulfan sulfate	EPA 8081B
	EPA 608.3
Endrin	EPA 8081B
	EPA 608.3
Endrin aldehyde	EPA 8081B
	EPA 608.3
Endrin Ketone	EPA 8081B
gamma-Chlordane	EPA 8081B
Heptachlor	EPA 8081B
	EPA 608.3
Heptachlor epoxide	EPA 8081B
	EPA 608.3
Isodrin	EPA 8270E
Kepone	EPA 8270E
Lindane	EPA 8081B
	EPA 608.3
Methoxychlor	EPA 8081B
	EPA 608.3
Mirex	EPA 8081B
PCNB	EPA 8270E

Chlorinated Hydrocarbon Pesticides

Toxaphene	EPA 8081B
	EPA 608.3

Chlorinated Hydrocarbons

1,2,3-Trichlorobenzene	EPA 8260D
1,2,4,5-Tetrachlorobenzene	EPA 8270E
1,2,4-Trichlorobenzene	EPA 625.1
	EPA 8270E
2-Chloronaphthalene	EPA 625.1
	EPA 8270E
Hexachlorobenzene	EPA 625.1
	EPA 8270E
Hexachlorobutadiene	EPA 625.1
	EPA 8270E
Hexachlorocyclopentadiene	EPA 625.1
	EPA 8270E
Hexachloroethane	EPA 8260D
	EPA 625.1
	EPA 8270E
Hexachloropropene	EPA 8270E
Pentachlorobenzene	EPA 8270E

Chlorophenoxy Acid Pesticides

2,4,5-TP (Silvex)	EPA 8151A
2,4-D	EPA 8151A

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Demand		Low Level Polynuclear Aromatics	
Biochemical Oxygen Demand	SM 5210B-2011	Acenaphthylene Low Level	EPA 8270E SIM
Carbonaceous BOD	SM 5210B-2011	Anthracene Low Level	EPA 8270E SIM
Chemical Oxygen Demand	EPA 410.4, Rev. 2.0 (1993)	Benzo(a)anthracene Low Level	EPA 8270E SIM
	SM 5220D-2011	Benzo(a)pyrene Low Level	EPA 8270E SIM
		Benzo(b)fluoranthene Low Level	EPA 8270E SIM
		Benzo(g,h,i)perylene Low Level	EPA 8270E SIM
		Benzo(k)fluoranthene Low Level	EPA 8270E SIM
		Chrysene Low Level	EPA 8270E SIM
		Dibenzo(a,h)anthracene Low Level	EPA 8270E SIM
		Fluoranthene Low Level	EPA 8270E SIM
		Fluorene Low Level	EPA 8270E SIM
		Indeno(1,2,3-cd)pyrene Low Level	EPA 8270E SIM
		Naphthalene Low Level	EPA 8270E SIM
		Phenanthrene Low Level	EPA 8270E SIM
		Pyrene Low Level	EPA 8270E SIM
Fuel Oxygenates		Metals I	
Ethanol	EPA 8015D	Barium, Total	EPA 200.7, Rev. 4.4 (1994)
Methyl tert-butyl ether	EPA 8260D		EPA 6010D
tert-butyl alcohol	EPA 8260D		EPA 6020B
			EPA 200.8, Rev. 5.4 (1994)
Haloethers		Cadmium, Total	EPA 200.7, Rev. 4.4 (1994)
2,2'-Oxybis(1-chloropropane)	EPA 625.1		EPA 6010D
	EPA 8270E		EPA 6020B
4-Bromophenylphenyl ether	EPA 625.1		EPA 200.8, Rev. 5.4 (1994)
	EPA 8270E		EPA 200.7, Rev. 4.4 (1994)
4-Chlorophenylphenyl ether	EPA 625.1		EPA 6010D
	EPA 8270E		EPA 6020B
Bis(2-chloroethoxy)methane	EPA 625.1		EPA 200.8, Rev. 5.4 (1994)
	EPA 8270E		EPA 200.7, Rev. 4.4 (1994)
Bis(2-chloroethyl)ether	EPA 625.1		
	EPA 8270E		
Low Level Halocarbons		Calcium, Total	
1,2-Dibromo-3-chloropropane, Low Level	EPA 8011		
1,2-Dibromoethane, Low Level	EPA 8011		
Low Level Polynuclear Aromatics			
Acenaphthene Low Level	EPA 8270E SIM		

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Metals I		Metals I	
Calcium, Total	EPA 6010D	Manganese, Total	EPA 200.8, Rev. 5.4 (1994)
	EPA 6020B		EPA 200.7, Rev. 4.4 (1994)
	EPA 200.8, Rev. 5.4 (1994)		EPA 6010D
Chromium, Total	EPA 200.7, Rev. 4.4 (1994)	Nickel, Total	EPA 6020B
	EPA 6010D		EPA 200.8, Rev. 5.4 (1994)
	EPA 6020B		EPA 200.7, Rev. 4.4 (1994)
Copper, Total	EPA 200.8, Rev. 5.4 (1994)	Potassium, Total	EPA 6010D
	EPA 200.7, Rev. 4.4 (1994)		EPA 6020B
	EPA 6010D		EPA 200.8, Rev. 5.4 (1994)
Iron, Total	EPA 6020B	Silver, Total	EPA 200.7, Rev. 4.4 (1994)
	EPA 200.8, Rev. 5.4 (1994)		EPA 6010D
	EPA 200.7, Rev. 4.4 (1994)		EPA 6020B
Lead, Total	EPA 6010D	Sodium, Total	EPA 200.8, Rev. 5.4 (1994)
	EPA 6020B		EPA 200.7, Rev. 4.4 (1994)
	EPA 200.8, Rev. 5.4 (1994)		EPA 6010D
Magnesium, Total	EPA 200.7, Rev. 4.4 (1994)	Strontium, Total	EPA 6020B
	EPA 6010D		EPA 200.8, Rev. 5.4 (1994)
	EPA 6020B		EPA 6010D
Manganese, Total	EPA 200.8, Rev. 5.4 (1994)	Antimony, Total	EPA 200.7, Rev. 4.4 (1994)
	EPA 200.7, Rev. 4.4 (1994)		EPA 6010D
	EPA 6010D		EPA 6020B
	EPA 6020B		EPA 200.8, Rev. 5.4 (1994)
			EPA 200.7, Rev. 4.4 (1994)
			EPA 6010D

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Metals II		Metals II	
Antimony, Total	EPA 6010D EPA 6020B EPA 200.8, Rev. 5.4 (1994)	Zinc, Total	EPA 6020B EPA 200.8, Rev. 5.4 (1994)
Arsenic, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010D EPA 6020B EPA 200.8, Rev. 5.4 (1994)	Metals III	
Beryllium, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010D EPA 6020B EPA 200.8, Rev. 5.4 (1994)	Cobalt, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010D EPA 6020B EPA 200.8, Rev. 5.4 (1994)
Chromium VI	EPA 7196A SM 3500-Cr B-2011	Gold, Total	SM 3111B-2011
Mercury, Total	EPA 245.1, Rev. 3.0 (1994) EPA 7470A SM 3112B-2011	Molybdenum, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010D EPA 6020B EPA 200.8, Rev. 5.4 (1994)
Selenium, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010D EPA 6020B EPA 200.8, Rev. 5.4 (1994)	Palladium, Total	SM 3111B-2011
Vanadium, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010D EPA 6020B EPA 200.8, Rev. 5.4 (1994)	Platinum, Total	SM 3111B-2011
Zinc, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010D	Thallium, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010D EPA 6020B EPA 200.8, Rev. 5.4 (1994)
		Tin, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010D EPA 6020B EPA 200.8, Rev. 5.4 (1994)
		Titanium, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010D EPA 6020B

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Metals III		Miscellaneous	
Titanium, Total	EPA 200.8, Rev. 5.4 (1994)	Phenols	EPA 9065
Uranium (Mass)	EPA 200.8, Rev. 5.4 (1994)	Silica, Dissolved	EPA 200.7, Rev. 4.4 (1994)
Mineral		Specific Conductance	EPA 120.1 (Rev. 1982)
Acidity	SM 2310B-2011		SM 2510B-2011
Alkalinity	SM 2320B-2011	Sulfide (as S)	EPA 9050A
Chloride	EPA 300.0, Rev. 2.1 (1993)		EPA 9034
	EPA 9056A		SM 4500-S2- D-2011
Fluoride, Total	EPA 300.0, Rev. 2.1 (1993)	Surfactant (MBAS)	SM 5540C-2011
	EPA 9056A	Turbidity	SM 2130 B-2011
Hardness, Total	EPA 200.7, Rev. 4.4 (1994)	Nitroaromatics and Isophorone	
Sulfate (as SO ₄)	EPA 300.0, Rev. 2.1 (1993)	1,3,5-Trinitrobenzene	EPA 8270E
	EPA 9056A	1,3-Dinitrobenzene	EPA 8270E
Miscellaneous		1,4-Naphthoquinone	EPA 8270E
Boron, Total	EPA 200.7, Rev. 4.4 (1994)	2,4-Dinitrotoluene	EPA 625.1
	EPA 6010D		EPA 8270E
	EPA 6020B	2,6-Dinitrotoluene	EPA 625.1
Bromide	EPA 300.0, Rev. 2.1 (1993)		EPA 8270E
	EPA 9056A	Isophorone	EPA 625.1
Color	SM 2120B-2011		EPA 8270E
Cyanide, Total	EPA 9014	Nitrobenzene	EPA 625.1
	SM 4500-CN E-2011		EPA 8270E
non-Polar Extractable Material (TPH)	EPA 1664A	Nitrosoamines	
Oil and Grease Total Recoverable (HEM)	EPA 1664A	N-Nitrosodiethylamine	EPA 8270E
Organic Carbon, Total	SM 5310C-2011	N-Nitrosodimethylamine	EPA 625.1
Phenols	EPA 420.1 (Rev. 1978)		EPA 8270E

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Nitrosoamines

N-Nitrosodi-n-butylamine	EPA 8270E
N-Nitrosodi-n-propylamine	EPA 625.1
	EPA 8270E
N-Nitrosodiphenylamine	EPA 625.1
	EPA 8270E
N-nitrosomethylethylamine	EPA 8270E
N-nitrosomorpholine	EPA 8270E
N-Nitrosopyrrolidine	EPA 8270E

Nutrient

Ammonia (as N)	SM 4500-NH3 C-2011
Kjeldahl Nitrogen, Total	SM 4500-NH3 C-2011
Nitrate (as N)	EPA 300.0, Rev. 2.1 (1993)
	EPA 9056A
Nitrite (as N)	EPA 300.0, Rev. 2.1 (1993)
	EPA 9056A
Orthophosphate (as P)	EPA 300.0, Rev. 2.1 (1993)
	EPA 9056A
Phosphorus, Total	SM 4500-P E-2011

Organophosphate Pesticides

Atrazine	EPA 8270E
Dimethoate	EPA 8270E
Disulfoton	EPA 8270E
Famphur	EPA 8270E
Parathion ethyl	EPA 8270E
Parathion methyl	EPA 8270E

Petroleum Hydrocarbons

Diesel Range Organics	EPA 8015D
Gasoline Range Organics	EPA 8015D

Phthalate Esters

Benzyl butyl phthalate	EPA 625.1
	EPA 8270E
Bis(2-ethylhexyl) phthalate	EPA 625.1
	EPA 8270E
Diethyl phthalate	EPA 625.1
	EPA 8270E
Dimethyl phthalate	EPA 625.1
	EPA 8270E
Di-n-butyl phthalate	EPA 625.1
	EPA 8270E
Di-n-octyl phthalate	EPA 625.1
	EPA 8270E

Polychlorinated Biphenyls

Aroclor 1016 (PCB-1016)	EPA 8082A
	EPA 608.3
Aroclor 1221 (PCB-1221)	EPA 8082A
	EPA 608.3
Aroclor 1232 (PCB-1232)	EPA 8082A
	EPA 608.3
Aroclor 1242 (PCB-1242)	EPA 8082A
	EPA 608.3
Aroclor 1248 (PCB-1248)	EPA 8082A

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Polychlorinated Biphenyls

Aroclor 1248 (PCB-1248)	EPA 608.3
Aroclor 1254 (PCB-1254)	EPA 8082A
	EPA 608.3
Aroclor 1260 (PCB-1260)	EPA 8082A
	EPA 608.3
Aroclor 1262 (PCB-1262)	EPA 8082A
Aroclor 1268 (PCB-1268)	EPA 8082A
PCB 1	EPA 8082A
PCB 101	EPA 8082A
PCB 110	EPA 8082A
PCB 138	EPA 8082A
PCB 141	EPA 8082A
PCB 151	EPA 8082A
PCB 153	EPA 8082A
PCB 170	EPA 8082A
PCB 18	EPA 8082A
PCB 180	EPA 8082A
PCB 183	EPA 8082A
PCB 187	EPA 8082A
PCB 206	EPA 8082A
PCB 31	EPA 8082A
PCB 44	EPA 8082A
PCB 5	EPA 8082A
PCB 52	EPA 8082A
PCB 66	EPA 8082A
PCB 87	EPA 8082A

Polynuclear Aromatics

2-Acetylaminofluorene	EPA 8270E
3-Methylcholanthrene	EPA 8270E
7,12-Dimethylbenzyl (a) anthracene	EPA 8270E
Acenaphthene	EPA 625.1
	EPA 8270E
Acenaphthylene	EPA 625.1
	EPA 8270E
Anthracene	EPA 625.1
	EPA 8270E
Benzo(a)anthracene	EPA 625.1
	EPA 8270E
Benzo(a)pyrene	EPA 625.1
	EPA 8270E
Benzo(b)fluoranthene	EPA 625.1
	EPA 8270E
Benzo(g,h,i)perylene	EPA 625.1
	EPA 8270E
Benzo(k)fluoranthene	EPA 625.1
	EPA 8270E
Chrysene	EPA 625.1
	EPA 8270E
Dibenzo(a,h)anthracene	EPA 625.1
	EPA 8270E
Fluoranthene	EPA 625.1
	EPA 8270E
Fluorene	EPA 625.1

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2022
Issued April 01, 2021

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. PHILLIP M. WORBY
EMSL ANALYTICAL INC
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077

NY Lab Id No: 10872

is hereby APPROVED as an Environmental Laboratory in conformance with the
National Environmental Laboratory Accreditation Conference Standards (2016) for the category
ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:

Polynuclear Aromatics

Fluorene	EPA 8270E
Indeno(1,2,3-cd)pyrene	EPA 625.1
	EPA 8270E
Naphthalene	EPA 625.1
	EPA 8270E
Phenanthrene	EPA 625.1
	EPA 8270E
Pyrene	EPA 625.1
	EPA 8270E

Priority Pollutant Phenols

2,3,4,6 Tetrachlorophenol	EPA 8270E
2,4,5-Trichlorophenol	EPA 625.1
	EPA 8270E
2,4,6-Trichlorophenol	EPA 625.1
	EPA 8270E
2,4-Dichlorophenol	EPA 625.1
	EPA 8270E
2,4-Dimethylphenol	EPA 625.1
	EPA 8270E
2,4-Dinitrophenol	EPA 625.1
	EPA 8270E
2,6-Dichlorophenol	EPA 8270E
2-Chlorophenol	EPA 625.1
	EPA 8270E
2-Methyl-4,6-dinitrophenol	EPA 625.1

Priority Pollutant Phenols

2-Methyl-4,6-dinitrophenol	EPA 8270E
2-Methylphenol	EPA 625.1
	EPA 8270E
2-Nitrophenol	EPA 625.1
	EPA 8270E
3-Methylphenol	EPA 8270E
4-Chloro-3-methylphenol	EPA 625.1
	EPA 8270E
4-Methylphenol	EPA 625.1
	EPA 8270E
4-Nitrophenol	EPA 625.1
	EPA 8270E
Cresols, Total	EPA 8270E
Pentachlorophenol	EPA 625.1
	EPA 8270E
Phenol	EPA 625.1
	EPA 8270E

Residue

Settleable Solids	SM 2540 F-2011
Solids, Total	SM 2540 B-2011
Solids, Total Dissolved	SM 2540 C-2011
Solids, Total Suspended	SM 2540 D-2011
Solids, Volatile	EPA 160.4 (Issued 1971)

Semi-Volatile Organics

1,1'-Biphenyl	EPA 8270E
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Semi-Volatile Organics

1,2-Dichlorobenzene, Semi-volatile	EPA 8270E
1,3-Dichlorobenzene, Semi-volatile	EPA 8270E
1,4-Dichlorobenzene, Semi-volatile	EPA 8270E
2-Methylnaphthalene	EPA 8270E
4-Amino biphenyl	EPA 8270E
Acetophenone	EPA 8270E
Aramite	EPA 8270E
Benzaldehyde	EPA 8270E
Benzoic Acid	EPA 8270E
Caprolactam	EPA 8270E
Dibenzofuran	EPA 8270E
Ethyl methanesulfonate	EPA 8270E
Isosafrole	EPA 8270E
Methyl methanesulfonate	EPA 8270E
n-Decane	EPA 625.1
n-Octadecane	EPA 625.1
O,O,O-Triethyl phosphorothioate	EPA 8270E
p-Dimethylaminoazobenzene	EPA 8270E
Phenacetin	EPA 8270E
Safrole	EPA 8270E

Volatile Aromatics

1,2,4-Trichlorobenzene, Volatile	EPA 8260D
1,2,4-Trimethylbenzene	EPA 8260D
1,2-Dichlorobenzene	EPA 8260D
	EPA 624.1

Volatile Aromatics

1,3,5-Trimethylbenzene	EPA 8260D
1,3-Dichlorobenzene	EPA 8260D
	EPA 624.1
1,4-Dichlorobenzene	EPA 8260D
	EPA 624.1
2-Chlorotoluene	EPA 8260D
4-Chlorotoluene	EPA 8260D
Benzene	EPA 8260D
	EPA 624.1
Bromobenzene	EPA 8260D
Chlorobenzene	EPA 8260D
	EPA 624.1
Ethyl benzene	EPA 8260D
	EPA 624.1
Isopropylbenzene	EPA 8260D
m/p-Xylenes	EPA 8260D
	EPA 624.1
Naphthalene, Volatile	EPA 8260D
n-Butylbenzene	EPA 8260D
n-Propylbenzene	EPA 8260D
o-Xylene	EPA 8260D
	EPA 624.1
p-Isopropyltoluene (P-Cymene)	EPA 8260D
sec-Butylbenzene	EPA 8260D
Styrene	EPA 8260D
	EPA 624.1

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Volatile Aromatics

tert-Butylbenzene	EPA 8260D
Toluene	EPA 8260D
	EPA 624.1
Total Xylenes	EPA 8260D
	EPA 624.1

Volatile Chlorinated Organics

Benzyl chloride	EPA 8260D
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Volatile Halocarbons

1,1,1,2-Tetrachloroethane	EPA 8260D
1,1,1-Trichloroethane	EPA 8260D
	EPA 624.1
1,1,2,2-Tetrachloroethane	EPA 8260D
1,1,2-Trichloro-1,2,2-Trifluoroethane	EPA 8260D
1,1,2-Trichloroethane	EPA 8260D
	EPA 624.1
1,1-Dichloroethane	EPA 8260D
	EPA 624.1
1,1-Dichloroethene	EPA 8260D
	EPA 624.1
1,1-Dichloropropene	EPA 8260D
1,2,3-Trichloropropane	EPA 8260D
1,2-Dibromo-3-chloropropane	EPA 8260D
1,2-Dibromoethane	EPA 8260D
1,2-Dichloroethane	EPA 8260D
	EPA 624.1

Volatile Halocarbons

1,2-Dichloropropane	EPA 8260D
	EPA 624.1
1,3-Dichloropropane	EPA 8260D
2,2-Dichloropropane	EPA 8260D
2-Chloro-1,3-butadiene (Chloroprene)	EPA 8260D
2-Chloroethylvinyl ether	EPA 8260D
	EPA 624.1
3-Chloropropene (Allyl chloride)	EPA 8260D
Bromochloromethane	EPA 8260D
Bromodichloromethane	EPA 8260D
	EPA 624.1
Bromoform	EPA 8260D
	EPA 624.1
Bromomethane	EPA 8260D
	EPA 624.1
Carbon tetrachloride	EPA 8260D
	EPA 624.1
Chloroethane	EPA 8260D
	EPA 624.1
Chloroform	EPA 8260D
	EPA 624.1
Chloromethane	EPA 8260D
	EPA 624.1
cis-1,2-Dichloroethene	EPA 8260D
	EPA 624.1
cis-1,3-Dichloropropene	EPA 8260D

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Volatile Halocarbons

cis-1,3-Dichloropropene	EPA 624.1
Dibromochloromethane	EPA 8260D
	EPA 624.1
Dibromomethane	EPA 8260D
Dichlorodifluoromethane	EPA 8260D
Hexachlorobutadiene, Volatile	EPA 8260D
Methyl iodide	EPA 8260D
Methylene chloride	EPA 8260D
	EPA 624.1
Tetrachloroethene	EPA 8260D
	EPA 624.1
trans-1,2-Dichloroethene	EPA 8260D
	EPA 624.1
trans-1,3-Dichloropropene	EPA 8260D
	EPA 624.1
trans-1,4-Dichloro-2-butene	EPA 8260D
Trichloroethene	EPA 8260D
	EPA 624.1
Trichlorofluoromethane	EPA 8260D
	EPA 624.1
Vinyl chloride	EPA 8260D
	EPA 624.1

Volatiles Organics

1,4-Dioxane	EPA 8260D
2-Butanone (Methylethyl ketone)	EPA 8260D

Volatiles Organics

2-Hexanone	EPA 8260D
4-Methyl-2-Pentanone	EPA 8260D
Acetone	EPA 8260D
Acetonitrile	EPA 8260D
Carbon Disulfide	EPA 8260D
Cyclohexane	EPA 8260D
Di-ethyl ether	EPA 8260D
Ethylene Glycol	EPA 8015D
Isobutyl alcohol	EPA 8260D
Isopropanol	EPA 8260D
Methyl acetate	EPA 8260D
Methyl cyclohexane	EPA 8260D
o-Toluidine	EPA 8270E
Vinyl acetate	EPA 8260D

Sample Preparation Methods

SM 4500-P B(5)-2011
EPA 5030C
SM 4500-CN B-2011 and C-201
EPA 3015A
EPA 9030B
EPA 3010A
EPA 3005A
EPA 3510C
EPA 3520C
SM 4500-NH3 B-2011

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Sample Preparation Methods

SM 4500-N Org B-2011 or C-2011
EPA 9010C

NEW YORK
STATE
DEPARTMENT OF HEALTH

Department
of Health

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ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:*

Acrylates		Characteristic Testing	
Acrolein (Propenal)	EPA 8260D	TCLP	EPA 1311
Acrylonitrile	EPA 8260D	Chlorinated Hydrocarbon Pesticides	
Amines		4,4'-DDD	EPA 8081B
1,2-Diphenylhydrazine	EPA 8270E	4,4'-DDE	EPA 8081B
1-Naphthylamine	EPA 8270E	4,4'-DDT	EPA 8081B
2-Naphthylamine	EPA 8270E	Aldrin	EPA 8081B
3-Nitroaniline	EPA 8270E	alpha-BHC	EPA 8081B
4-Chloroaniline	EPA 8270E	alpha-Chlordane	EPA 8081B
4-Nitroaniline	EPA 8270E	beta-BHC	EPA 8081B
5-Nitro-o-toluidine	EPA 8270E	Chlordane Total	EPA 8081B
a,a-Dimethylphenethylamine	EPA 8270E	Chlorobenzilate	EPA 8270E
Aniline	EPA 8270E	delta-BHC	EPA 8081B
Carbazole	EPA 8270E	Dieldrin	EPA 8081B
Diphenylamine	EPA 8270E	Endosulfan I	EPA 8081B
Pronamide	EPA 8270E	Endosulfan II	EPA 8081B
Benzidines		Endosulfan sulfate	EPA 8081B
3,3'-Dichlorobenzidine	EPA 8270E	Endrin	EPA 8081B
3,3'-Dimethylbenzidine	EPA 8270E	Endrin aldehyde	EPA 8081B
Benzidine	EPA 8270E	Endrin Ketone	EPA 8081B
Characteristic Testing		gamma-Chlordane	EPA 8081B
Corrosivity (pH)	EPA 9045D	Heptachlor	EPA 8081B
Free Liquids	EPA 9095B	Heptachlor epoxide	EPA 8081B
Ignitability	EPA 1010A	Isodrin	EPA 8270E
Synthetic Precipitation Leaching Proc.	EPA 1312	Kepone	EPA 8270E
		Lindane	EPA 8081B

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Chlorinated Hydrocarbon Pesticides

Methoxychlor	EPA 8081B
Pentachloronitrobenzene	EPA 8270E
Toxaphene	EPA 8081B

Chlorinated Hydrocarbons

1,2,3-Trichlorobenzene	EPA 8260D
1,2,4,5-Tetrachlorobenzene	EPA 8270E
1,2,4-Trichlorobenzene	EPA 8270E
2-Chloronaphthalene	EPA 8270E
Hexachlorobenzene	EPA 8270E
Hexachlorobutadiene	EPA 8270E
Hexachlorocyclopentadiene	EPA 8270E
Hexachloroethane	EPA 8260D
	EPA 8270E
Hexachlorophene	EPA 8270E
Hexachloropropene	EPA 8270E
Pentachlorobenzene	EPA 8270E

Haloethers

2,2'-Oxybis(1-chloropropane)	EPA 8270E
4-Bromophenylphenyl ether	EPA 8270E
4-Chlorophenylphenyl ether	EPA 8270E
Bis(2-chloroethoxy)methane	EPA 8270E
Bis(2-chloroethyl)ether	EPA 8270E

Low Level Polynuclear Aromatic Hydrocarbons

Acenaphthene Low Level	EPA 8270E SIM
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Low Level Polynuclear Aromatic Hydrocarbons

Acenaphthylene Low Level	EPA 8270E SIM
Anthracene Low Level	EPA 8270E SIM
Benzo(a)anthracene Low Level	EPA 8270E SIM
Benzo(a)pyrene Low Level	EPA 8270E SIM
Benzo(b)fluoranthene Low Level	EPA 8270E SIM
Benzo(g,h,i)perylene Low Level	EPA 8270E SIM
Benzo(k)fluoranthene Low Level	EPA 8270E SIM
Chrysene Low Level	EPA 8270E SIM
Dibenzo(a,h)anthracene Low Level	EPA 8270E SIM
Fluoranthene Low Level	EPA 8270E SIM
Fluorene Low Level	EPA 8270E SIM
Indeno(1,2,3-cd)pyrene Low Level	EPA 8270E SIM
Naphthalene Low Level	EPA 8270E SIM
Phenanthrene Low Level	EPA 8270E SIM
Pyrene Low Level	EPA 8270E SIM

Metals I

Barium, Total	EPA 6010D
	EPA 6020B
Cadmium, Total	EPA 6010D
	EPA 6020B
Calcium, Total	EPA 6010D
	EPA 6020B
Chromium, Total	EPA 6010D
	EPA 6020B
Copper, Total	EPA 6010D

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Metals I

Copper, Total	EPA 6020B
Iron, Total	EPA 6010D
	EPA 6020B
Lead, Total	EPA 6010D
	EPA 6020B
	EPA 7000B
Magnesium, Total	EPA 6010D
	EPA 6020B
Manganese, Total	EPA 6010D
	EPA 6020B
Nickel, Total	EPA 6010D
	EPA 6020B
Potassium, Total	EPA 6010D
	EPA 6020B
Silver, Total	EPA 6010D
	EPA 6020B
Sodium, Total	EPA 6010D
Strontium, Total	EPA 6010D
	EPA 6020B

Metals II

Aluminum, Total	EPA 6010D
	EPA 6020B
Antimony, Total	EPA 6010D
	EPA 6020B
Arsenic, Total	EPA 6010D

Metals II

Arsenic, Total	EPA 6020B
Beryllium, Total	EPA 6010D
	EPA 6020B
Chromium VI	EPA 7196A
Lithium, Total	EPA 6010D
Mercury, Total	EPA 7471B
Selenium, Total	EPA 6010D
	EPA 6020B
Vanadium, Total	EPA 6010D
	EPA 6020B
Zinc, Total	EPA 6010D
	EPA 6020B

Metals III

Cobalt, Total	EPA 6010D
	EPA 6020B
Molybdenum, Total	EPA 6010D
	EPA 6020B
Thallium, Total	EPA 6010D
	EPA 6020B
Tin, Total	EPA 6010D
	EPA 6020B
Titanium, Total	EPA 6010D
	EPA 6020B

Minerals

Bromide	EPA 9056A
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Minerals		Nitrosoamines	
Chloride	EPA 9056A	N-Nitrosodiphenylamine	EPA 8270E
Fluoride, Total	EPA 9056A	N-nitrosomethylethylamine	EPA 8270E
Sulfate (as SO ₄)	EPA 9056A	N-nitrosomorpholine	EPA 8270E
Miscellaneous		N-Nitrosopyrrolidine	EPA 8270E
Boron, Total	EPA 6010D	Nutrients	
	EPA 6020B		
Cyanide, Total	EPA 9014		
Phenols	EPA 9065	Nitrate (as N)	EPA 9056A
Sulfide (as S)	EPA 9034	Nitrite (as N)	EPA 9056A
Nitroaromatics and Isophorone		Orthophosphate (as P)	EPA 9056A
1,3,5-Trinitrobenzene	EPA 8270E	Petroleum Hydrocarbons	
1,3-Dinitrobenzene	EPA 8270E	Diesel Range Organics	EPA 8015D
1,4-Naphthoquinone	EPA 8270E	Gasoline Range Organics	EPA 8015D
2,4-Dinitrotoluene	EPA 8270E	Oil and Grease Total Recoverable (HEM)	EPA 9071B (Solvent:Hexane)
2,6-Dinitrotoluene	EPA 8270E	Phthalate Esters	
4-Nitroquinoline-1-oxide	EPA 8270E	Benzyl butyl phthalate	EPA 8270E
Isophorone	EPA 8270E	Bis(2-ethylhexyl) phthalate	EPA 8270E
Nitrobenzene	EPA 8260D	Diethyl phthalate	EPA 8270E
	EPA 8270E	Dimethyl phthalate	EPA 8270E
Nitrosoamines		Di-n-butyl phthalate	EPA 8270E
N-Nitrosodiethylamine	EPA 8270E	Di-n-octyl phthalate	EPA 8270E
N-Nitrosodimethylamine	EPA 8270E	Polychlorinated Biphenyls	
N-Nitrosodi-n-butylamine	EPA 8270E	Aroclor 1016 (PCB-1016)	EPA 8082A
N-Nitrosodi-n-propylamine	EPA 8270E	Aroclor 1221 (PCB-1221)	EPA 8082A
		Aroclor 1232 (PCB-1232)	EPA 8082A
		Aroclor 1242 (PCB-1242)	EPA 8082A

Serial No.: 62817

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2022
Issued April 01, 2021

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. PHILLIP M. WORBY
EMSL ANALYTICAL INC
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077

NY Lab Id No: 10872

*is hereby APPROVED as an Environmental Laboratory in conformance with the
National Environmental Laboratory Accreditation Conference Standards (2016) for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:*

Polychlorinated Biphenyls

Aroclor 1248 (PCB-1248)	EPA 8082A
Aroclor 1254 (PCB-1254)	EPA 8082A
Aroclor 1260 (PCB-1260)	EPA 8082A
Aroclor 1262 (PCB-1262)	EPA 8082A
Aroclor 1268 (PCB-1268)	EPA 8082A
PCB 1	EPA 8082A
PCB 101	EPA 8082A
PCB 110	EPA 8082A
PCB 138	EPA 8082A
PCB 141	EPA 8082A
PCB 151	EPA 8082A
PCB 153	EPA 8082A
PCB 170	EPA 8082A
PCB 18	EPA 8082A
PCB 180	EPA 8082A
PCB 183	EPA 8082A
PCB 187	EPA 8082A
PCB 206	EPA 8082A
PCB 31	EPA 8082A
PCB 44	EPA 8082A
PCB 5	EPA 8082A
PCB 52	EPA 8082A
PCB 66	EPA 8082A
PCB 87	EPA 8082A

Polynuclear Aromatic Hydrocarbons

2-Acetylaminofluorene	EPA 8270E
Acenaphthene	EPA 8270E
Acenaphthylene	EPA 8270E
Anthracene	EPA 8270E
Benzo(a)anthracene	EPA 8270E
Benzo(a)pyrene	EPA 8270E
Benzo(b)fluoranthene	EPA 8270E
Benzo(g,h,i)perylene	EPA 8270E
Benzo(k)fluoranthene	EPA 8270E
Chrysene	EPA 8270E
Dibenzo(a,h)anthracene	EPA 8270E
Fluoranthene	EPA 8270E
Fluorene	EPA 8270E
Indeno(1,2,3-cd)pyrene	EPA 8270E
Naphthalene	EPA 8270E
Phenanthrene	EPA 8270E
Pyrene	EPA 8270E

Priority Pollutant Phenols

2,3,4,6 Tetrachlorophenol	EPA 8270E
2,4,5-Trichlorophenol	EPA 8270E
2,4,6-Trichlorophenol	EPA 8270E
2,4-Dichlorophenol	EPA 8270E
2,4-Dimethylphenol	EPA 8270E
2,4-Dinitrophenol	EPA 8270E
2,6-Dichlorophenol	EPA 8270E

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Priority Pollutant Phenols

2-Chlorophenol	EPA 8270E
2-Methyl-4,6-dinitrophenol	EPA 8270E
2-Methylphenol	EPA 8270E
2-Nitrophenol	EPA 8270E
3-Methylphenol	EPA 8270E
4-Chloro-3-methylphenol	EPA 8270E
4-Methylphenol	EPA 8270E
4-Nitrophenol	EPA 8270E
Pentachlorophenol	EPA 8270E
Phenol	EPA 8270E

Semi-Volatile Organics

1,1'-Biphenyl	EPA 8270E
1,2-Dichlorobenzene, Semi-volatile	EPA 8270E
1,3-Dichlorobenzene, Semi-volatile	EPA 8270E
1,4-Dichlorobenzene, Semi-volatile	EPA 8270E
2-Methylnaphthalene	EPA 8270E
2-Picoline	EPA 8270E
4-Amino biphenyl	EPA 8270E
Acetophenone	EPA 8270E
Aramite	EPA 8270E
Benzaldehyde	EPA 8270E
Benzoic Acid	EPA 8270E
Benzyl alcohol	EPA 8270E
Caprolactam	EPA 8270E
Dibenzofuran	EPA 8270E

Semi-Volatile Organics

Ethyl methanesulfonate	EPA 8270E
Methyl methanesulfonate	EPA 8270E
Phenacetin	EPA 8270E
Safrole	EPA 8270E

Volatile Aromatics

1,2,4-Trichlorobenzene, Volatile	EPA 8260D
1,2,4-Trimethylbenzene	EPA 8260D
1,2-Dichlorobenzene	EPA 8260D
1,3,5-Trimethylbenzene	EPA 8260D
1,3-Dichlorobenzene	EPA 8260D
1,4-Dichlorobenzene	EPA 8260D
2-Chlorotoluene	EPA 8260D
4-Chlorotoluene	EPA 8260D
Benzene	EPA 8260D
Bromobenzene	EPA 8260D
Chlorobenzene	EPA 8260D
Ethyl benzene	EPA 8260D
Isopropylbenzene	EPA 8260D
m/p-Xylenes	EPA 8260D
Naphthalene, Volatile	EPA 8260D
n-Butylbenzene	EPA 8260D
n-Propylbenzene	EPA 8260D
o-Xylene	EPA 8260D
p-Isopropyltoluene (P-Cymene)	EPA 8260D
sec-Butylbenzene	EPA 8260D

Serial No.: 62817

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All approved analytes are listed below:*

Volatile Aromatics

Styrene	EPA 8260D
tert-Butylbenzene	EPA 8260D
Toluene	EPA 8260D
Total Xylenes	EPA 8260D

Volatile Halocarbons

1,1,1,2-Tetrachloroethane	EPA 8260D
1,1,1-Trichloroethane	EPA 8260D
1,1,2,2-Tetrachloroethane	EPA 8260D
1,1,2-Trichloro-1,2,2-Trifluoroethane	EPA 8260D
1,1,2-Trichloroethane	EPA 8260D
1,1-Dichloroethane	EPA 8260D
1,1-Dichloroethene	EPA 8260D
1,1-Dichloropropene	EPA 8260D
1,2,3-Trichloropropane	EPA 8260D
1,2-Dibromo-3-chloropropane	EPA 8260D
1,2-Dibromoethane	EPA 8260D
1,2-Dichloroethane	EPA 8260D
1,2-Dichloropropane	EPA 8260D
1,3-Dichloropropane	EPA 8260D
2,2-Dichloropropane	EPA 8260D
2-Chloroethylvinyl ether	EPA 8260D
Bromochloromethane	EPA 8260D
Bromodichloromethane	EPA 8260D
Bromoform	EPA 8260D
Bromomethane	EPA 8260D

Volatile Halocarbons

Carbon tetrachloride	EPA 8260D
Chloroethane	EPA 8260D
Chloroform	EPA 8260D
Chloromethane	EPA 8260D
cis-1,2-Dichloroethene	EPA 8260D
cis-1,3-Dichloropropene	EPA 8260D
Dibromochloromethane	EPA 8260D
Dibromomethane	EPA 8260D
Dichlorodifluoromethane	EPA 8260D
Hexachlorobutadiene, Volatile	EPA 8260D
Methyl iodide	EPA 8260D
Methylene chloride	EPA 8260D
Tetrachloroethene	EPA 8260D
trans-1,2-Dichloroethene	EPA 8260D
trans-1,3-Dichloropropene	EPA 8260D
trans-1,4-Dichloro-2-butene	EPA 8260D
Trichloroethene	EPA 8260D
Trichlorofluoromethane	EPA 8260D
Vinyl chloride	EPA 8260D

Volatile Organics

2-Butanone (Methylethyl ketone)	EPA 8260D
2-Hexanone	EPA 8260D
4-Methyl-2-Pentanone	EPA 8260D
Acetone	EPA 8260D
Acetonitrile	EPA 8260D

Serial No.: 62817

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All approved analytes are listed below:*

Volatile Organics

Carbon Disulfide	EPA 8260D
Ethylene Glycol	EPA 8015C
Methyl acetate	EPA 8260D
Methyl tert-butyl ether	EPA 8260D
o-Toluidine	EPA 8270E
tert-butyl alcohol	EPA 8260D
Vinyl acetate	EPA 8260D

NEW YORK
STATE OF
OPPORTUNITY

Department
of Health

Sample Preparation Methods

EPA 5035A-L
EPA 5035A-H
EPA 9030B
EPA 3010A
EPA 3005A
EPA 3050B
EPA 3550C
EPA 3540C
EPA 3546
EPA 3051A
EPA 3585
EPA 3060A
EPA 3541
EPA 9010C

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All approved subcategories and/or analytes are listed below:*

Miscellaneous

Asbestos in Friable Material	Item 198.1 of Manual EPA 600/M4/82/020
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	Item 198.4 of Manual
Asbestos-Vermiculite-Containing Material	Item 198.8 of Manual
Lead in Dust Wipes	EPA 7000B
Lead in Paint	EPA 6010C EPA 7000B

Sample Preparation Methods

EPA 3050B
EPA 3051A



Serial No.: 62818

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ENVIRONMENTAL ANALYSES AIR AND EMISSIONS
All approved analytes are listed below:*

Acrylates

Acetonitrile	EPA TO-15
Acrylonitrile	EPA TO-15
Ethyl acrylate	EPA TO-15
Methyl methacrylate	EPA TO-15

Chlorinated Hydrocarbons

Hexachlorobutadiene	EPA TO-15
Hexachloroethane	EPA TO-15

Miscellaneous

Formaldehyde	EPA TO-15
Radon	Charcoal - Liquid Scintillation

Polychlorinated Biphenyls

PCBs and Aroclors	EPA TO-10A
	EPA TO-4A

Polynuclear Aromatics

Naphthalene	EPA TO-15
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Priority Pollutant Phenols

Phenol	EPA TO-15
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Purgeable Aromatics

1,2,4-Trimethylbenzene	EPA TO-15
1,2-Dichlorobenzene	EPA TO-15
1,3,5-Trimethylbenzene	EPA TO-15
1,3-Dichlorobenzene	EPA TO-15
1,4-Dichlorobenzene	EPA TO-15

Purgeable Aromatics

2-Chlorotoluene	EPA TO-15
Benzene	EPA TO-15
Chlorobenzene	EPA TO-15
Ethyl benzene	EPA TO-15
Isopropylbenzene	EPA TO-15
m/p-Xylenes	EPA TO-15
o-Xylene	EPA TO-15
Styrene	EPA TO-15
Toluene	EPA TO-15
Total Xylenes	EPA TO-15

Purgeable Halocarbons

1,1,1-Trichloroethane	EPA TO-15
1,1,2,2-Tetrachloroethane	EPA TO-15
1,1,2-Trichloro-1,2,2-Trifluoroethane	EPA TO-15
1,1,2-Trichloroethane	EPA TO-15
1,1-Dichloroethane	EPA TO-15
1,1-Dichloroethene	EPA TO-15
1,2-Dibromo-3-chloropropane	EPA TO-15
1,2-Dibromoethane	EPA TO-15
1,2-Dichloroethane	EPA TO-15
1,2-Dichloropropane	EPA TO-15
3-Chloropropene (Allyl chloride)	EPA TO-15
Bromodichloromethane	EPA TO-15
Bromoform	EPA TO-15
Bromomethane	EPA TO-15

Serial No.: 62819

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EMSL ANALYTICAL INC
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077

NY Lab Id No: 10872

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National Environmental Laboratory Accreditation Conference Standards (2016) for the category
ENVIRONMENTAL ANALYSES AIR AND EMISSIONS
All approved analytes are listed below:*

Purgeable Halocarbons

Carbon tetrachloride	EPA TO-15
Chloroethane	EPA TO-15
Chloroform	EPA TO-15
Chloromethane	EPA TO-15
cis-1,2-Dichloroethene	EPA TO-15
cis-1,3-Dichloropropene	EPA TO-15
Dibromochloromethane	EPA TO-15
Dichlorodifluoromethane	EPA TO-15
Methylene chloride	EPA TO-15
Tetrachloroethene	EPA TO-15
trans-1,2-Dichloroethene	EPA TO-15
trans-1,3-Dichloropropene	EPA TO-15
Trichloroethene	EPA TO-15
Trichlorofluoromethane	EPA TO-15
Vinyl bromide	EPA TO-15
Vinyl chloride	EPA TO-15

Volatile Organics

4-Methyl-2-Pentanone	EPA TO-15
Acetaldehyde	EPA TO-15
Acetone	EPA TO-15
Acrolein (Propenal)	EPA TO-15
Carbon Disulfide	EPA TO-15
Cyclohexane	EPA TO-15
Hexane	EPA TO-15
Isopropanol	EPA TO-15
Methanol	EPA TO-15
Methyl iodide	EPA TO-15
Methyl tert-butyl ether	EPA TO-15
n-Heptane	EPA TO-15
Nitrobenzene	EPA TO-15
Propionaldehyde	EPA TO-15
tert-butyl alcohol	EPA TO-15
Vinyl acetate	EPA TO-15

Volatile Chlorinated Organics

Benzyl chloride	EPA TO-15
Epichlorohydrin	EPA TO-15

Volatile Organics

1,2-Dichlorotetrafluoroethane	EPA TO-15
1,3-Butadiene	EPA TO-15
1,4-Dioxane	EPA TO-15
2,2,4-Trimethylpentane	EPA TO-15
2-Butanone (Methylethyl ketone)	EPA TO-15

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All approved subcategories and/or analytes are listed below:*

Chlorinated Hydrocarbon Pesticides

Chlordane Total NIOSH 5510

Metals I

Lead, Total NIOSH 7082
40 CFR PART 50 2013 APP G

Metals II

Mercury, Total NIOSH 6009

Miscellaneous

Asbestos 40 CFR 763 APX A No. III
YAMATE, AGARWAL GIBB
NIOSH 7402
Fibers NIOSH 7400 A RULES
Particulate Matter 40 CFR PART 50 APP B
40 CFR PART 50 APP J (PM10)

Polychlorinated Biphenyls

PCBs and Aroclors NIOSH 5503

Purgeable Aromatics

Benzene NIOSH 1501
Toluene NIOSH 1501
Total Xylenes NIOSH 1501

Sample Preparation Methods

40 CFR PART 50 APP G

Serial No.: 62820

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New York State – Department of Labor

Division of Safety and Health
License and Certificate Unit
State Campus, Building 12
Albany, NY 12240

ASBESTOS HANDLING LICENSE

LiRo Engineers, Inc.
690 Delaware Avenue
Buffalo, NY 14209

FILE NUMBER: 99-1147
LICENSE NUMBER: 28866
LICENSE CLASS: RESTRICTED
DATE OF ISSUE: 12/22/2020
EXPIRATION DATE: 12/31/2021

Duly Authorized Representative – Robert Kreuzer:

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.



Eileen M. Franko, Director
For the Commissioner of Labor

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



JOHN F SEWARD III

CLASS(EXPIRES)

C ATEC(02/22) D INSP(02/22)

H PM (02/22)

CERT# 15-20772

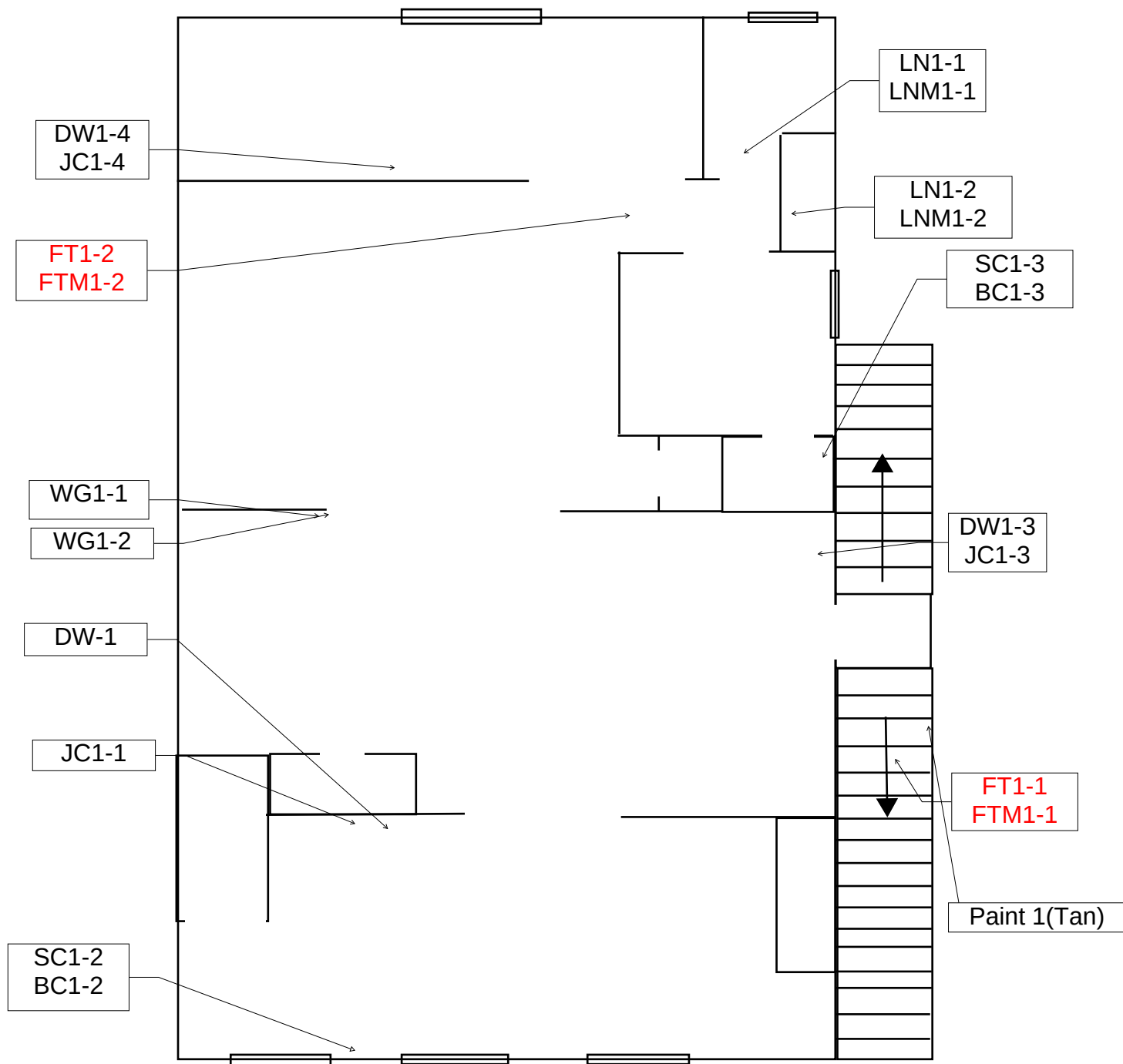
DMV# 323384175

MUST BE CARRIED ON ASBESTOS PROJECTS



APPENDIX D:
BULK SAMPLE /ACM LOCATION DRAWINGS

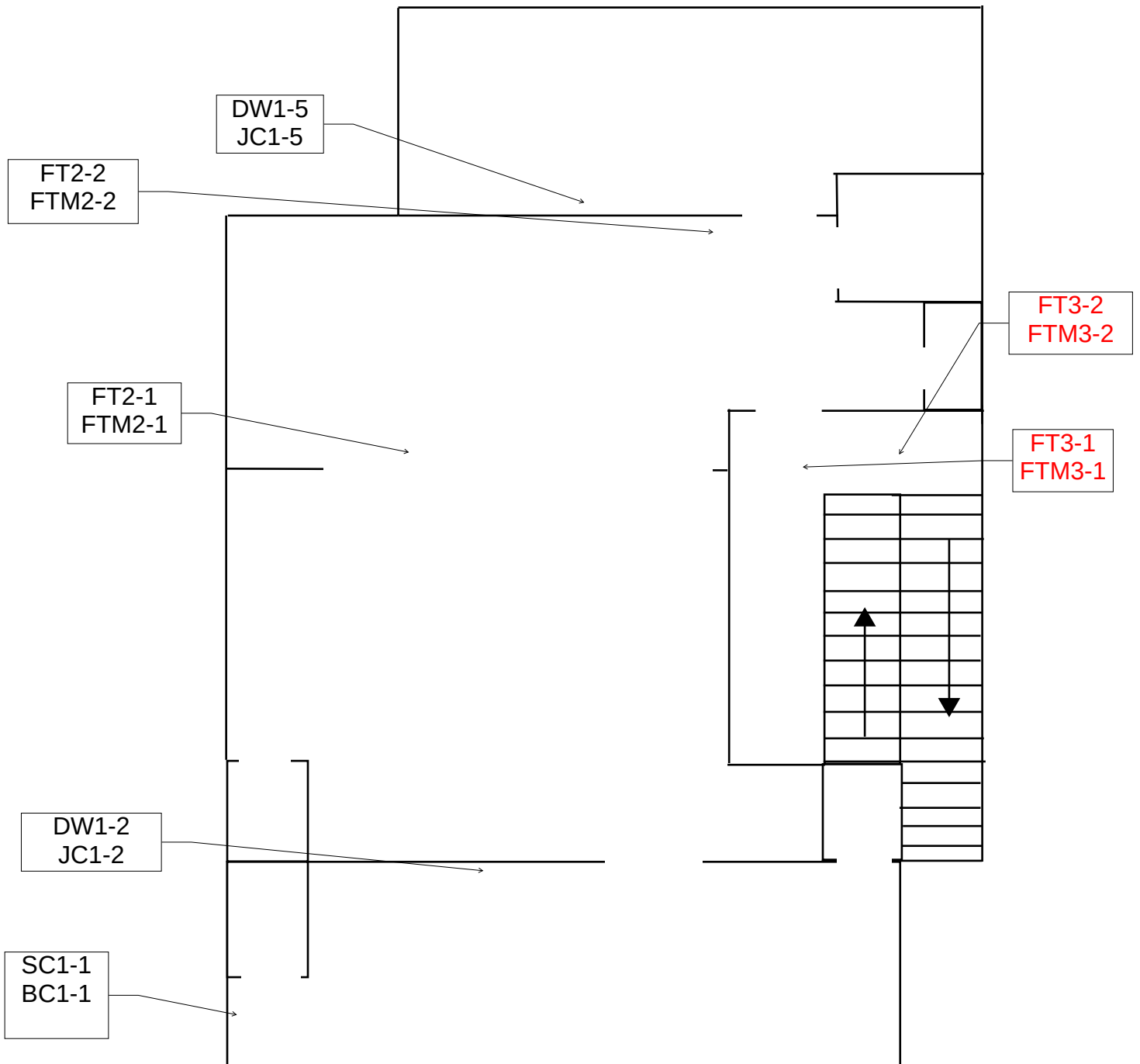
SAMPLE LOCATION DRAWING- 58 CANAL STREET- 2nd FLOOR



LEGEND

RED- Indicates Positive Sample
BLACK- Indicates Negative Sample

SAMPLE LOCATION DRAWING-58 CANAL STREET- 3rd FLOOR

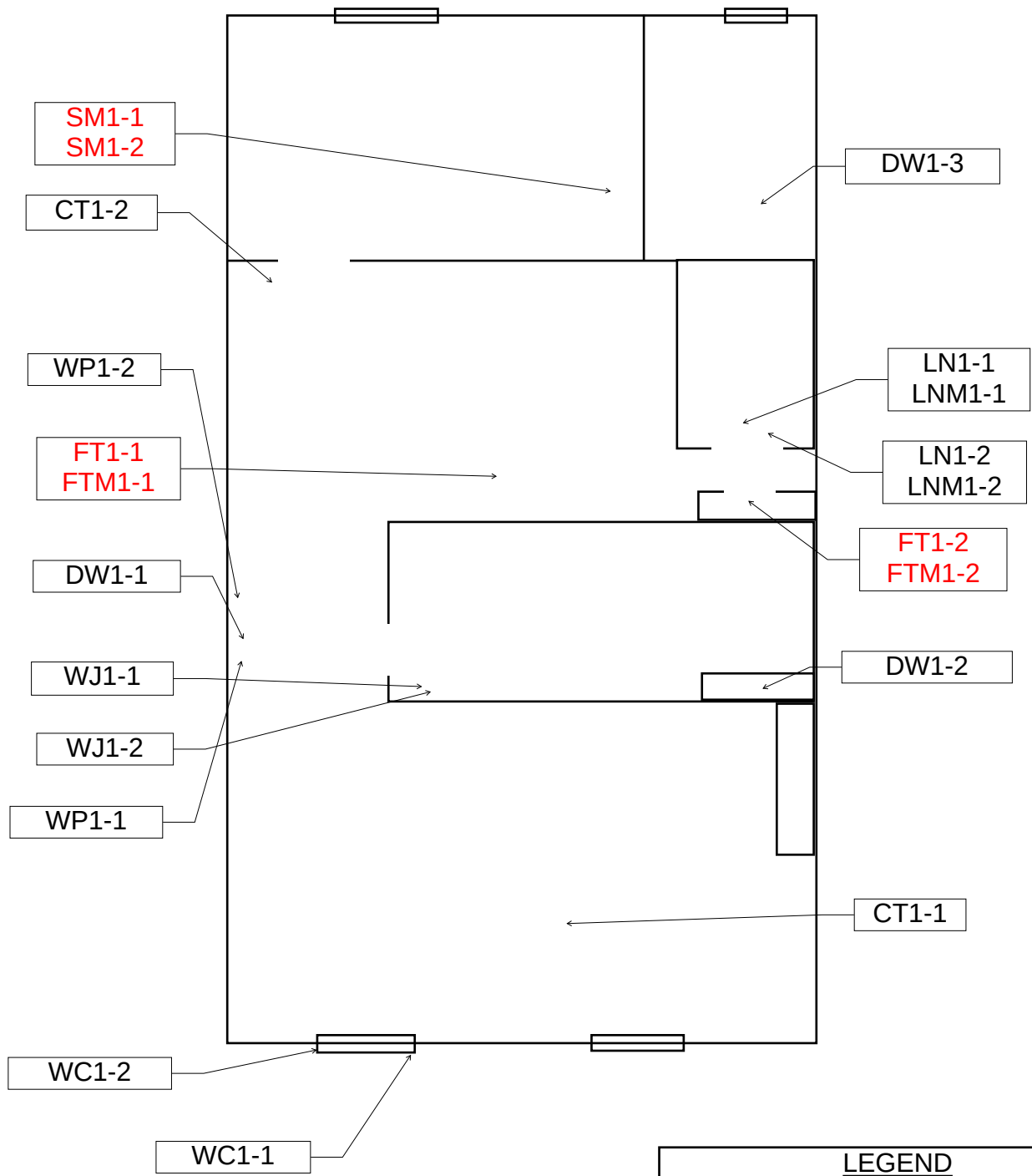


LEGEND

RED- Indicates Positive Sample

BLACK- Indicates Positive Sample

SAMPLE LOCATION DRAWING- 60 CANAL STREET

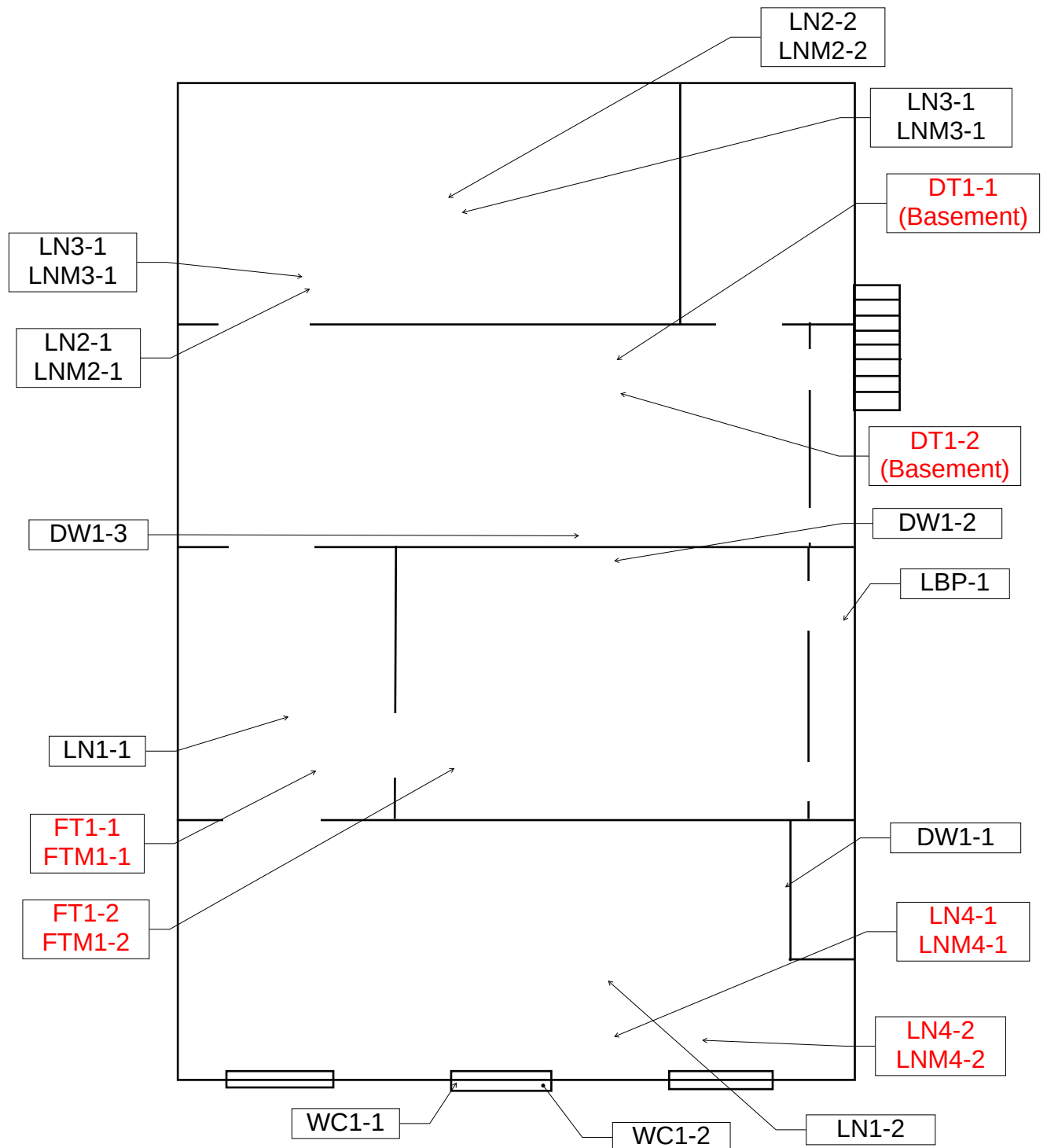


LEGEND

RED- Indicates Positive Sample

BLACK- Indicates Negative Sample

SAMPLE LOCTAION DRAWING- 62 CANAL STREET

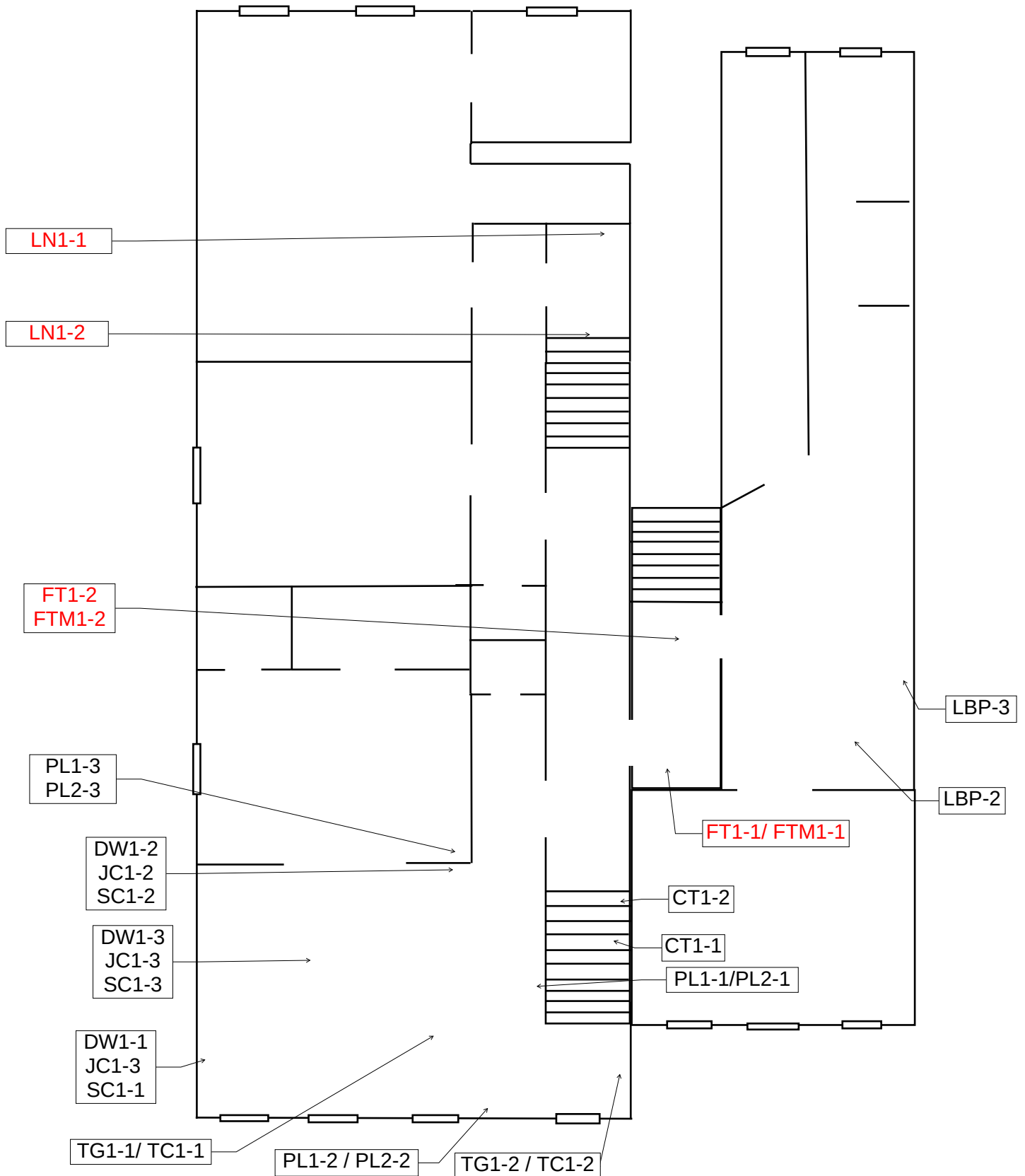


LEGEND

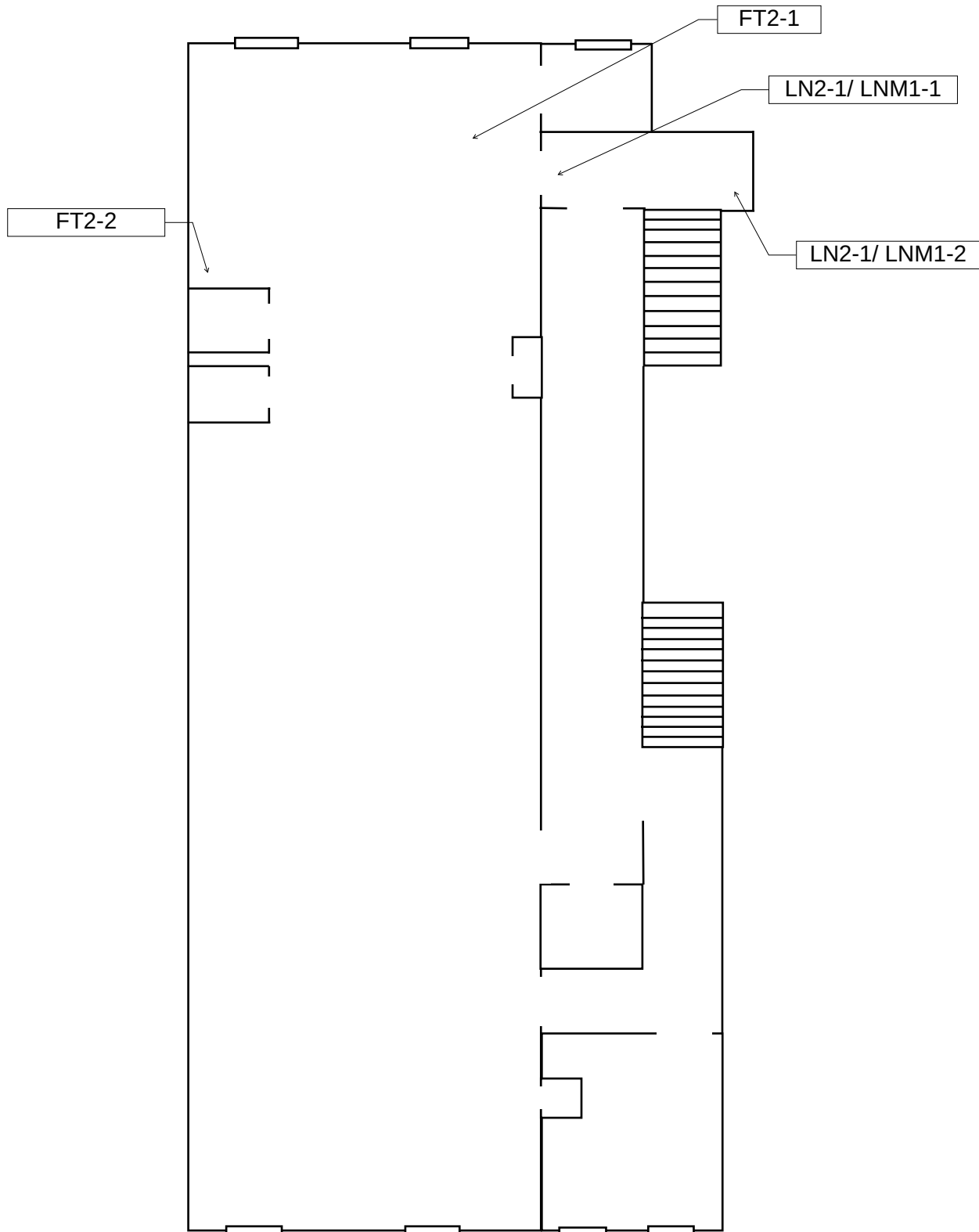
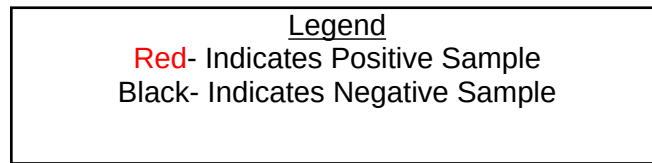
RED-Indicates Positive Sample
BLACK-Indicates Negative Sample

Sample Location Drawing- 64 Canal St. Lyons, NY

Legend
Red- Indicates Positive Sample
Black- Indicates Negative Sample



Sample Location Drawing- 64 Canal St. Lyons, NY



APPENDIX E:
PHOTOGRAPHIC LOG



Figure 1: Brown 9x9" Floor Tile & associated Black Mastic.

Figure 2: Tan Speckled 9x9" Floor Tile & associated Black Mastic.





Figure 3: White Duct Tape on vents in basement.

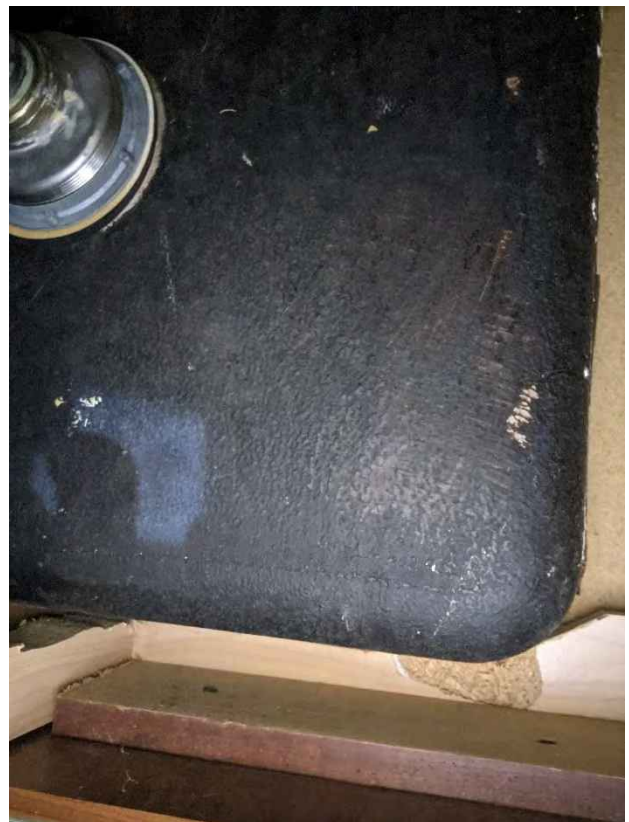


Figure 4: Black Sink Mastic



Figure 5: Red Linoleum & associated Black Mastic.

Figure 6: White 9x9" Floor Tile & associated Black Mastic.

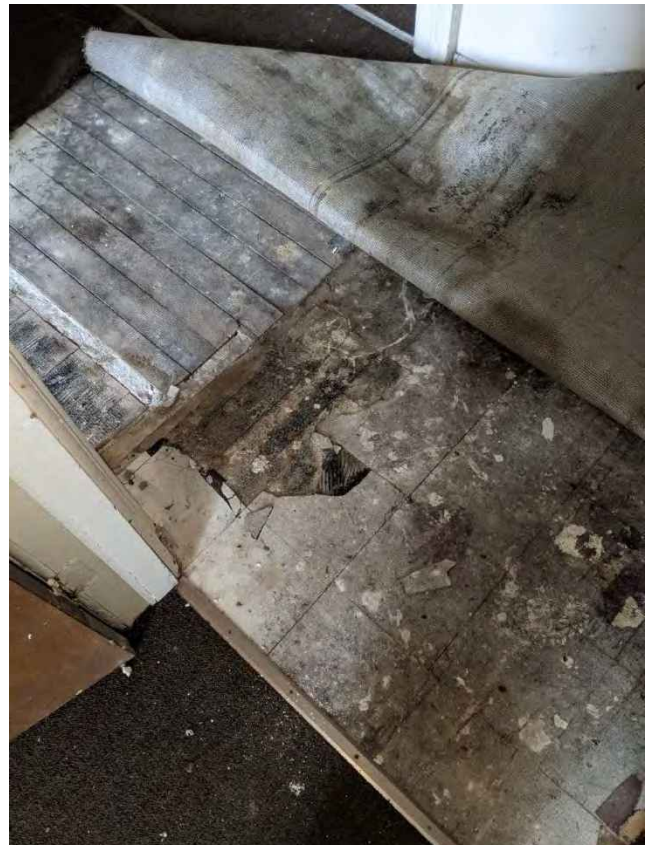




Figure 7: Green Linoleum.

APPENDIX B:

BULK SAMPLE CHAIN OF CUSTODY AND LABORATORY RESULTS



EMSL Analytical, Inc.

2975 Brighton Henrietta Town Line Rd., 100 Ste 130 Rochester, NY 14623
Tel/Fax: (585) 957-9436 / (585) 957-9437
<http://www.EMSL.com> / rochesterlab@EMSL.com

EMSL Order: 532101441
Customer ID: LIRO50
Customer PO: 19-241-2291
Project ID:

Attention: Jason Colvin

The LiRo Group
690 Delaware Avenue
Buffalo, NY 14209

Phone: (716) 882-5476

Fax: (716) 882-9640

Received Date: 08/17/2021 2:10 PM

Analysis Date: 08/19/2021

Collected Date:

Project: 19.241-2291. Wayne County Regional Land Bank. Lyon, NY. 58 Canal St

Test Report:Asbestos Analysis of Bulk Material

Test	Sample ID	Analyzed Date	Color	Description	Non-Asbestos		
					Fibrous	Non-Fibrous	Asbestos
	SC1-1			Living Room (2nd Floor) - White Plaster			
	532101441-0001			Homogeneity			
PLM NYS 198.1 Friable	08/19/2021	White				10.00% Ca Carbonate 90.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM							Not Analyzed
PLM NYS 198.6 NOB							Not Analyzed
TEM NYS 198.4 NOB							Not Analyzed
	SC1-2			Living Room (3rd Floor) - White Plaster			
	532101441-0002			Homogeneity			
PLM NYS 198.1 Friable	08/19/2021	White				10.00% Ca Carbonate 90.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM							Not Analyzed
PLM NYS 198.6 NOB							Not Analyzed
TEM NYS 198.4 NOB							Not Analyzed
	SC1-3			Bedroom 2 Closet (2nd Floor) - White Plaster			
	532101441-0003			Homogeneity			
PLM NYS 198.1 Friable	08/19/2021	White				5.00% Ca Carbonate 95.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM							Not Analyzed
PLM NYS 198.6 NOB							Not Analyzed
TEM NYS 198.4 NOB							Not Analyzed
	BC1-1			Living Room (2nd Floor) - Gray Plaster			
	532101441-0004			Homogeneity			
PLM NYS 198.1 Friable	08/19/2021	Gray				15.00% Ca Carbonate 85.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM							Not Analyzed
PLM NYS 198.6 NOB							Not Analyzed
TEM NYS 198.4 NOB							Not Analyzed
	BC1-2			Living Room (3rd Floor) - Gray Plaster			
	532101441-0005			Homogeneity			
PLM NYS 198.1 Friable	08/19/2021	Gray	2.00% Hair			15.00% Ca Carbonate 83.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM							Not Analyzed
PLM NYS 198.6 NOB							Not Analyzed
TEM NYS 198.4 NOB							Not Analyzed

Initial report from: 08/19/2021 13:16:25



2975 Brighton Henrietta Town Line Rd , 100 Ste 130 Rochester, NY 14623
Tel/Fax: (585) 957-9436 / (585) 957-9437
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Test Report: Asbestos Analysis of Bulk Material

Initial report from: 08/19/2021 13:16:25



EMSL Analytical, Inc.

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Tel/Fax: (585) 957-9436 / (585) 957-9437

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EMSL Order: 532101441
Customer ID: LIRO50
Customer PO: 19-241-2291
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test		Analyzed Date	Color	Non-Asbestos		Asbestos
				Fibrous	Non-Fibrous	
Sample ID	DW1-2	532101441-0012	Description	Living Room 3rd Floor - Gray Drywall		
			Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable	08/19/2021		Brown/ White	12.00% Cellulose	85.00% Gypsum 3.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM						Not Analyzed
PLM NYS 198.6 NOB						Not Analyzed
TEM NYS 198.4 NOB						Not Analyzed
Sample ID	DW1-3	532101441-0013	Description	Dining Room 2nd Floor - Gray Drywall		
			Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable	08/19/2021		Brown/ Pink	12.00% Cellulose	85.00% Gypsum 3.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM						Not Analyzed
PLM NYS 198.6 NOB						Not Analyzed
TEM NYS 198.4 NOB						Not Analyzed
Sample ID	DW1-4	532101441-0014	Description	Bedroom 1 2nd Floor - Gray Drywall		
			Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable	08/19/2021		Brown/ White	12.00% Cellulose	85.00% Gypsum 3.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM						Not Analyzed
PLM NYS 198.6 NOB						Not Analyzed
TEM NYS 198.4 NOB						Not Analyzed
Sample ID	DW1-5	532101441-0015	Description	Bedroom 1 3rd Floor - Gray Drywall		
			Homogeneity	Homogeneous		
PLM NYS 198.1 Friable	08/19/2021		Pink	2.00% Cellulose	95.00% Gypsum 3.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM						Not Analyzed
PLM NYS 198.6 NOB						Not Analyzed
TEM NYS 198.4 NOB						Not Analyzed
Sample ID	WG1-1	532101441-0016	Description	2nd Floor Kitchen Sliding Door - Window Glaze (White)		
			Homogeneity	Homogeneous		
PLM NYS 198.1 Friable						Not Analyzed
PLM NYS 198.6 VCM						Not Analyzed
PLM NYS 198.6 NOB	08/19/2021		White		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	08/19/2021		White		100.00% Other	None Detected
Sample ID	WG1-2	532101441-0017	Description	2nd Floor Kitchen Sliding Door - Window Glaze (White)		
			Homogeneity	Homogeneous		
PLM NYS 198.1 Friable						Not Analyzed
PLM NYS 198.6 VCM						Not Analyzed
PLM NYS 198.6 NOB	08/19/2021		White		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	08/19/2021		White		100.00% Other	None Detected
Sample ID	WG1-3	532101441-0018	Description	2nd Floor Kitchen Sliding Door - Window Glaze (White)		
			Homogeneity	Homogeneous		
PLM NYS 198.1 Friable						Not Analyzed
PLM NYS 198.6 VCM						Not Analyzed
PLM NYS 198.6 NOB	08/19/2021		White		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	08/19/2021		White		100.00% Other	None Detected

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Tel/Fax: (585) 957-9436 / (585) 957-9437

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EMSL Order: 532101441
Customer ID: LIRO50
Customer PO: 19-241-2291
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Sample ID	Test	Analyzed Date	Color	Description	Non-Asbestos		Asbestos
					Fibrous	Non-Fibrous	
532101441-0018	JC1-1			2nd Floor Living Room - Joint Compound			
PLM NYS 198.1 Friable		08/19/2021	Homogeneity				Layer Not Present
PLM NYS 198.6 VCM							Not Analyzed
PLM NYS 198.6 NOB							Not Analyzed
TEM NYS 198.4 NOB							Not Analyzed
532101441-0019	JC1-2			3rd Floor Living Room - Joint Compound			
PLM NYS 198.1 Friable		08/19/2021	Homogeneity				Layer Not Present
PLM NYS 198.6 VCM							Not Analyzed
PLM NYS 198.6 NOB							Not Analyzed
TEM NYS 198.4 NOB							Not Analyzed
532101441-0020	JC1-3			2nd Floor Dining Room - Joint Compound			
PLM NYS 198.1 Friable		08/19/2021	White	Homogeneous		20.00% Ca Carbonate 80.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM							Not Analyzed
PLM NYS 198.6 NOB							Not Analyzed
TEM NYS 198.4 NOB							Not Analyzed
532101441-0021	JC1-4			Bedroom 1 2nd Floor - Joint Compound			
PLM NYS 198.1 Friable		08/19/2021		Homogeneity			Layer Not Present
PLM NYS 198.6 VCM							Not Analyzed
PLM NYS 198.6 NOB							Not Analyzed
TEM NYS 198.4 NOB							Not Analyzed
532101441-0022	JC1-5			3rd Floor Bedroom - Joint Compound			
PLM NYS 198.1 Friable		08/19/2021	White	Homogeneity		20.00% Ca Carbonate 80.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM							Not Analyzed
PLM NYS 198.6 NOB							Not Analyzed
TEM NYS 198.4 NOB							Not Analyzed
532101441-0023	LN1-1			Bathroom (2nd Floor) - Mottled Linoleum			
PLM NYS 198.1 Friable				Homogeneity			Not Analyzed
PLM NYS 198.6 VCM							Not Analyzed
PLM NYS 198.6 NOB		08/19/2021	White	<1.00% Glass	100.00% Other		Inconclusive: None Detected
TEM NYS 198.4 NOB		08/19/2021	White		100.00% Other		None Detected

Initial report from: 08/19/2021 13:16:25



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EMSL Order: 532101441
Customer ID: LIRO50
Customer PO: 19-241-2291
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test		Analyzed Date	Color	Non-Asbestos			Asbestos
				Fibrous	Non-Fibrous		
Sample ID	LN1-2 532101441-0024		Description Homogeneity	Bathroom Closet - Mottled Linoleum Homogeneous			
PLM NYS 198.1 Friable							Not Analyzed
PLM NYS 198.6 VCM							Not Analyzed
PLM NYS 198.6 NOB		08/19/2021	White	<1.00% Glass	100.00% Other	Inconclusive: None Detected	
TEM NYS 198.4 NOB		08/19/2021	White		100.00% Other	None Detected	
Sample ID	LN1-1 532101441-0025		Description Homogeneity	Bathroom (2nd Floor) - Black Mastic (Mottled Linoleum) Homogeneous			
PLM NYS 198.1 Friable							Not Analyzed
PLM NYS 198.6 VCM							Not Analyzed
PLM NYS 198.6 NOB		08/19/2021	Black	1.00% Glass	99.00% Other	Inconclusive: None Detected	
TEM NYS 198.4 NOB		08/19/2021	Black		100.00% Other	None Detected	
Sample ID	LN1-2 532101441-0026		Description Homogeneity	Bathroom Closet - Black Mastic (Mottled Linoleum) Homogeneous			
PLM NYS 198.1 Friable							Not Analyzed
PLM NYS 198.6 VCM							Not Analyzed
PLM NYS 198.6 NOB		08/19/2021	Black	<1.00% Glass	100.00% Other	Inconclusive: None Detected	
TEM NYS 198.4 NOB		08/19/2021	Black		100.00% Other	None Detected	
Sample ID	FT2-1 532101441-0027		Description Homogeneity	3rd Floor Kitchen - White 12x12 Floor Tile Homogeneous			
PLM NYS 198.1 Friable							Not Analyzed
PLM NYS 198.6 VCM							Not Analyzed
PLM NYS 198.6 NOB		08/19/2021	White		100.00% Other	Inconclusive: None Detected	
TEM NYS 198.4 NOB		08/19/2021	White		100.00% Other	None Detected	
Sample ID	FT2-2 532101441-0028		Description Homogeneity	3rd Floor Kitchen - White 12x12 Floor Tile Homogeneous			
PLM NYS 198.1 Friable							Not Analyzed
PLM NYS 198.6 VCM							Not Analyzed
PLM NYS 198.6 NOB		08/19/2021	White		100.00% Other	Inconclusive: None Detected	
TEM NYS 198.4 NOB		08/19/2021	White		100.00% Other	None Detected	
Sample ID	FTM2-1 532101441-0029		Description Homogeneity	3rd Floor Kitchen - Yellow Mastic (White 12x12 FT) Homogeneous			
PLM NYS 198.1 Friable							Not Analyzed
PLM NYS 198.6 VCM							Not Analyzed
PLM NYS 198.6 NOB		08/19/2021	White		100.00% Other	Inconclusive: None Detected	
TEM NYS 198.4 NOB		08/19/2021	White		100.00% Other	None Detected	
Sample ID			Description Homogeneity				
PLM NYS 198.1 Friable							Not Analyzed
PLM NYS 198.6 VCM							Not Analyzed
PLM NYS 198.6 NOB		08/19/2021	Yellow		100.00% Other	Inconclusive: None Detected	
Sample below method recommended minimum weight; analyzed at client's request.							
TEM NYS 198.4 NOB		08/19/2021	Yellow		100.00% Other	None Detected	

Initial report from: 08/19/2021 13:16:25



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Tel/Fax: (585) 957-9436 / (585) 957-9437

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EMSL Order: 532101441

Customer ID: LIRO50

Customer PO: 19-241-2291

Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos			Asbestos
			Fibrous	Non-Fibrous		
Sample ID FTM2-2 532101441-0030		Description Homogeneity	3rd Floor Kitchen - Yellow Mastic (White 12x12 FT) Homogeneous			
PLM NYS 198.1 Friable						Not Analyzed
PLM NYS 198.6 VCM						Not Analyzed
PLM NYS 198.6 NOB	08/19/2021	Yellow		100.00% Other		Inconclusive: None Detected
Sample below method recommended minimum weight; analyzed at client's request.						
TEM NYS 198.4 NOB	08/19/2021	Yellow		100.00% Other		None Detected
Sample ID FT3-1 532101441-0031		Description Homogeneity	3rd Floor Landing Area - White 9x9 Floor Tile Homogeneous			
PLM NYS 198.1 Friable						Not Analyzed
PLM NYS 198.6 VCM						Not Analyzed
PLM NYS 198.6 NOB	08/19/2021	Brown	None	90.30% Other		9.70% Chrysotile
TEM NYS 198.4 NOB	08/19/2021					Positive Stop (Not Analyzed)
Sample ID FT3-2 532101441-0032		Description Homogeneity	3rd Floor Landing Area - White 9x9 Floor Tile			
PLM NYS 198.1 Friable						Not Analyzed
PLM NYS 198.6 VCM						Not Analyzed
PLM NYS 198.6 NOB	08/19/2021					Positive Stop (Not Analyzed)
TEM NYS 198.4 NOB	08/19/2021					Positive Stop (Not Analyzed)
Sample ID FTM3-1 532101441-0033		Description Homogeneity	3rd Floor Landing Area - Black Mastic (White 9x9 FT) Homogeneous			
PLM NYS 198.1 Friable						Not Analyzed
PLM NYS 198.6 VCM						Not Analyzed
PLM NYS 198.6 NOB	08/19/2021	Black	None	95.20% Other		4.80% Chrysotile
TEM NYS 198.4 NOB	08/19/2021					Positive Stop (Not Analyzed)
Sample ID FTM3-2 532101441-0034		Description Homogeneity	3rd Floor Landing Area - Black Mastic (White 9x9 FT) Homogeneous			
PLM NYS 198.1 Friable						Not Analyzed
PLM NYS 198.6 VCM						Not Analyzed
PLM NYS 198.6 NOB	08/19/2021					Positive Stop (Not Analyzed)
TEM NYS 198.4 NOB	08/19/2021					Positive Stop (Not Analyzed)



EMSL Analytical, Inc.

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Tel/Fax: (585) 957-9436 / (585) 957-9437

<http://www.EMSL.com> / rochesterlab@EMSL.com

EMSL Order: 532101441

Customer ID: LIRO50

Customer PO: 19-241-2291

Project ID:

Test Report:Asbestos Analysis of Bulk Material

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk Materials via NYS ELAP Approved Methods. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

Report Comments:

Sample Receipt Date: 8/17/2021

Sample Receipt Time: 2:10 PM

Analysis Completed Date: 8/19/2021

Analysis Completed Time: 11:01 AM

Analyst(s):

Jessica Schwartz PLM NYS 198.1 Friable (4)

Melissa Hartwig PLM NYS 198.1 Friable (9)

Melissa Hartwig PLM NYS 198.6 NOB (14)

Peter Donato TEM NYS 198.4 NOB (10)

Samples reviewed and approved by:

Peter Donato, Laboratory Manager
or Other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Rochester, NY NYS ELAP 12088, NVLAP Lab Code 600183-0

Initial report from: 08/19/2021 13:16:25



EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (856) 303-2500 / (856) 786-5974

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

EMSL Order: 202106367
CustomerID: LIRO50
CustomerPO: 19-241-2291
ProjectID:

Attn: **J. Seward**

The LiRo Group
690 Delaware Avenue
Buffalo, NY 14209

Phone: (716) 882-5476
Fax: (716) 882-9640
Received: 08/18/21 1:40 PM
Collected: 8/17/2021

Project: **Wayne County Regional Land Bank / Lyons, NJ / 19-241-2291**

Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)*

Client Sample Description	Lab ID	Collected	Analyzed	Lead	
				Weight	Concentration
1	202106367-0001	8/17/2021	8/23/2021	0.2647 g	0.57 % wt
Site: Stairwell Wall / beige paint					

Phillip Worby, Lead Laboratory Manager
or other approved signatory

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Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.008% wt based on the minimum sample weight per our SOP. "-<" (less than) result signifies the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. Definitions of modifications are available upon request.
Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NELAP Certifications: NJ 03036, NY 10872, PA 68-00367, AIHA-LAP, LLC ELLAP 100194, A2LA 2845.01

Initial report from 08/25/2021 10:54:53

Test Report ChmSnglePrm/nQC-7.32.3 Printed: 8/25/2021 10:54:53 AM

Page 1 of 1



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EMSL Order: 532101463

Customer ID: LIRO50E

Customer PO:

Project ID:

Attention: J Colvin

Liro Engineers

85 Allen Street

Rochester, NY 14608

Phone: (585) 322-3930

Fax:

Received Date: 08/19/2021 3:27 PM

Analysis Date: 08/23/2021

Collected Date: 08/19/2021

Project: Job #19-241-2291, Wayne County Regional Land Bank, Lyons NY, 60 Canal Street

Test Report:Asbestos Analysis of Bulk Material

Test	Sample ID	CT	Analyzed Date	Color	Description	Non-Asbestos			Asbestos
						Fibrous	Non-Fibrous	Asbestos	
	Sample ID	CT1-1			Living Room Ceiling - 9x9 Ceiling Tile				
		532101463-0001			Heterogeneous				
	PLM NYS 198.1 Friable								Not Analyzed
	PLM NYS 198.6 VCM								Not Analyzed
	PLM NYS 198.6 NOB		08/23/2021	Brown/ White			100.00% Other	Inconclusive: None Detected	
	TEM NYS 198.4 NOB		08/23/2021	Brown/ White			100.00% Other	None Detected	
	Sample ID	CT1-2			Living Room Ceiling - 9x9 Ceiling Tile				
		532101463-0002			Heterogeneous				
	PLM NYS 198.1 Friable								Not Analyzed
	PLM NYS 198.6 VCM								Not Analyzed
	PLM NYS 198.6 NOB		08/23/2021	Brown/ White			100.00% Other	Inconclusive: None Detected	
	TEM NYS 198.4 NOB		08/23/2021	Brown/ White			100.00% Other	None Detected	
	Sample ID	DW1-1			Hallway Outside Bedroom - White Drywall				
		532101463-0003			Heterogeneous				
	PLM NYS 198.1 Friable		08/23/2021	Brown/ White	10.00% Cellulose	80.00% Gypsum	10.00% Non-fibrous (other)	None Detected	
	PLM NYS 198.6 VCM								Not Analyzed
	PLM NYS 198.6 NOB								Not Analyzed
	TEM NYS 198.4 NOB								Not Analyzed
	Sample ID	DW1-2			Bedroom Closet - White Drywall				
		532101463-0004			Heterogeneous				
	PLM NYS 198.1 Friable		08/23/2021	Brown/ White	10.00% Cellulose	80.00% Gypsum	10.00% Non-fibrous (other)	None Detected	
	PLM NYS 198.6 VCM								Not Analyzed
	PLM NYS 198.6 NOB								Not Analyzed
	TEM NYS 198.4 NOB								Not Analyzed
	Sample ID	DW1-3			Storage Closet - White Drywall				
		532101463-0005			Heterogeneous				
	PLM NYS 198.1 Friable		08/23/2021	Brown/ White	5.00% Cellulose	80.00% Gypsum	15.00% Non-fibrous (other)	None Detected	
	PLM NYS 198.6 VCM								Not Analyzed
	PLM NYS 198.6 NOB								Not Analyzed
	TEM NYS 198.4 NOB								Not Analyzed

Initial report from: 08/23/2021 14:50:14



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EMSL Order: 532101463
Customer ID: LIRO50E
Customer PO:
Project ID:

Test Report:Asbestos Analysis of Bulk Material

		Analyzed Date		Color		Non-Asbestos			
Test						Fibrous		Non-Fibrous	Asbestos
Sample ID	FT1-1 532101463-0006			Description		Dining Room - Tan Speckled 9"x9" Floor Tile			
				Homogeneity		Homogeneous			
PLM NYS 198.1 Friable									Not Analyzed
PLM NYS 198.6 VCM									Not Analyzed
PLM NYS 198.6 NOB		08/23/2021		Orange		None		93.10% Other	6.90% Chrysotile
TEM NYS 198.4 NOB		08/23/2021							Positive Stop (Not Analyzed)
Sample ID	FT1-2 532101463-0007			Description		Linen Closet - Tan Speckled 9"x9" Floor Tile			
				Homogeneity					
PLM NYS 198.1 Friable									Not Analyzed
PLM NYS 198.6 VCM									Not Analyzed
PLM NYS 198.6 NOB		08/23/2021							Positive Stop (Not Analyzed)
TEM NYS 198.4 NOB		08/23/2021							Positive Stop (Not Analyzed)
Sample ID	FTM1-1 532101463-0008			Description		Dining Closet - Black Mastic (9x9" Tan Spackled)			
				Homogeneity		Homogeneous			
PLM NYS 198.1 Friable									Not Analyzed
PLM NYS 198.6 VCM									Not Analyzed
PLM NYS 198.6 NOB		08/23/2021		Black		None		100.00% Other	Inconclusive : <1% Chrysotile
TEM NYS 198.4 NOB		08/23/2021		Black		None		97.00% Other	3.00% Chrysotile
Sample ID	FTM1-2 532101463-0009			Description		Linen Closet - Black Mastic (9x9" Tan Spackled)			
				Homogeneity		Homogeneous			
PLM NYS 198.1 Friable									Not Analyzed
PLM NYS 198.6 VCM									Not Analyzed
PLM NYS 198.6 NOB		08/23/2021		Black		None		100.00% Other	Inconclusive : <1% Chrysotile
TEM NYS 198.4 NOB		08/23/2021							Positive Stop (Not Analyzed)
Sample ID	WP1-1 532101463-0010			Description		Hallway Outside Bedroom - White Wall Patch			
				Homogeneity		Homogeneous			
PLM NYS 198.1 Friable		08/23/2021		White				10.00% Ca Carbonate 90.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM									Not Analyzed
PLM NYS 198.6 NOB									Not Analyzed
TEM NYS 198.4 NOB									Not Analyzed
Sample ID	WP1-2 532101463-0011			Description		Hallway Outside Bedroom - White Wall Patch			
				Homogeneity		Homogeneous			
PLM NYS 198.1 Friable		08/23/2021		White				10.00% Ca Carbonate 90.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM									Not Analyzed
PLM NYS 198.6 NOB									Not Analyzed
TEM NYS 198.6 NOB									Not Analyzed
TEM NYS 198.4 NOB									Not Analyzed

Initial report from: 08/23/2021 14:50:14



EMSL Analytical, Inc.

2975 Brighton Henrietta Town Line Rd ,100 Ste 130 Rochester, NY 14623
Tel/Fax: (585) 957-9436 / (585) 957-9437
<http://www.EMSL.com> / rochesterlab@EMSL.com

EMSL Order: 532101463
Customer ID: LIRO50E
Customer PO:
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test		Analyzed Date	Color	Non-Asbestos			Asbestos
				Fibrous	Non-Fibrous		
Sample ID	LN1-1 532101463-0012		Description	Bathroom - Linoleum-Green			
			Homogeneity	Heterogeneous			
PLM NYS 198.1 Friable							Not Analyzed
PLM NYS 198.6 VCM							Not Analyzed
PLM NYS 198.6 NOB	08/23/2021	Various	<1.00% Glass		100.00% Other	Inconclusive: None Detected	
TEM NYS 198.4 NOB	08/23/2021	Various			100.00% Other	None Detected	
Sample ID	LN1-2 532101463-0013		Description	Bathroom - Linoleum-Green			
			Homogeneity	Heterogeneous			
PLM NYS 198.1 Friable							Not Analyzed
PLM NYS 198.6 VCM							Not Analyzed
PLM NYS 198.6 NOB	08/23/2021	Various	<1.00% Glass		100.00% Other	Inconclusive: None Detected	
TEM NYS 198.4 NOB	08/23/2021	Various			100.00% Other	None Detected	
Sample ID	LN1-1 532101463-0014		Description	Bathroom - Yellow Mastic (Green Linoleum)			
			Homogeneity	Homogeneous			
PLM NYS 198.1 Friable							Not Analyzed
PLM NYS 198.6 VCM							Not Analyzed
PLM NYS 198.6 NOB	08/23/2021	Orange			100.00% Other	Inconclusive: None Detected	
TEM NYS 198.4 NOB	08/23/2021	Orange			100.00% Other	None Detected	
Sample ID	LN1-2 532101463-0015		Description	Bathroom - Yellow Mastic (Green Linoleum)			
			Homogeneity	Homogeneous			
PLM NYS 198.1 Friable							Not Analyzed
PLM NYS 198.6 VCM							Not Analyzed
PLM NYS 198.6 NOB	08/23/2021	Orange			100.00% Other	Inconclusive: None Detected	
TEM NYS 198.4 NOB	08/23/2021	Orange			100.00% Other	None Detected	
Sample ID	SM1-1 532101463-0016		Description	Kitchen Sink - Black Sink Mastic			
			Homogeneity	Homogeneous			
PLM NYS 198.1 Friable							Not Analyzed
PLM NYS 198.6 VCM							Not Analyzed
PLM NYS 198.6 NOB	08/23/2021	Black		None	92.90% Other	7.10% Chrysotile	
TEM NYS 198.4 NOB	08/23/2021					Positive Stop (Not Analyzed)	
Sample ID	SM1-2 532101463-0017		Description	Kitchen Sink - Black Sink Mastic			
			Homogeneity				
PLM NYS 198.1 Friable							Not Analyzed
PLM NYS 198.6 VCM							Not Analyzed
PLM NYS 198.6 NOB	08/23/2021						
TEM NYS 198.4 NOB	08/23/2021					Positive Stop (Not Analyzed)	
TEM NYS 198.4 NOB	08/23/2021					Positive Stop (Not Analyzed)	

Initial report from: 08/23/2021 14:50:14



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EMSL Order: 532101463

Customer ID: LIRO50E

Customer PO:

Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test		Analyzed Date	Color	Non-Asbestos			Asbestos
				Fibrous	Non-Fibrous		
Sample ID	WJ1-1 532101463-0018						
PLM NYS 198.1 Friable	08/23/2021	White	95.00% Cellulose	Dining Room-Electrical - White Wire Jacket	Homogeneous	5.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM							Not Analyzed
PLM NYS 198.6 NOB							Not Analyzed
TEM NYS 198.4 NOB							Not Analyzed
Sample ID	WJ1-2 532101463-0019						
PLM NYS 198.1 Friable	08/23/2021	White	95.00% Cellulose	Dining Room-Electrical - White Wire Jacket	Homogeneous	5.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM							Not Analyzed
PLM NYS 198.6 NOB							Not Analyzed
TEM NYS 198.4 NOB							Not Analyzed
Sample ID	WC1-1 532101463-0020						
PLM NYS 198.1 Friable				Exterior-Window Above Door - White Window Caulk	Homogeneous		Not Analyzed
PLM NYS 198.6 VCM							Not Analyzed
PLM NYS 198.6 NOB	08/23/2021	White		100.00% Other			Inconclusive: None Detected
TEM NYS 198.4 NOB	08/23/2021	White		100.00% Other			None Detected
Sample ID	WC1-2 532101463-0021						
PLM NYS 198.1 Friable				Exterior-Window Above Door - White Window Caulk	Homogeneous		Not Analyzed
PLM NYS 198.6 VCM							Not Analyzed
PLM NYS 198.6 NOB	08/23/2021	White		100.00% Other			Inconclusive: None Detected
TEM NYS 198.4 NOB	08/23/2021	White		100.00% Other			None Detected



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EMSL Order: 532101463

Customer ID: LIRO50E

Customer PO:

Project ID:

Test Report:Asbestos Analysis of Bulk Material

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk Materials via NYS ELAP Approved Methods. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

Report Comments:

Sample Receipt Date: 8/19/2021

Sample Receipt Time: 3:27 PM

Analysis Completed Date: 8/23/2021

Analysis Completed Time: 9:51 AM

Analyst(s):

Jordan Ramos PLM NYS 198.1 Friable (7)

Peter Donato TEM NYS 198.4 NOB (9)

Jordan Ramos PLM NYS 198.6 NOB (12)

Samples reviewed and approved by:

Peter Donato, Laboratory Manager
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. 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. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. Estimation of uncertainty available upon request. This report is a summary of multiple methods of analysis, fully compliant reports are available upon request. All samples examined for the presence of vermiculite when analyzed via NYS 198.1. A combination of PLM and TEM analysis may be necessary to ensure consistently reliable detection of asbestos. Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. This report must not be used to claim product endorsement by NVLAP of any agency or the U.S. Government . Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing. NOB= Non friable organically bound; N/A= Not applicable VCM= Vermiculite containing material.

Samples analyzed by EMSL Analytical, Inc. Rochester, NY NYS ELAP 12088, NVLAP Lab Code 600183-0

Initial report from: 08/23/2021 14:50:14



EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Phone: (856) 303-2500 Fax: (856) 858-4571 Email: EnvChemistry2@emsl.com

Attn:

Jason Colvin

The LiRo Group

690 Delaware Avenue

Buffalo, NY 14209

Phone: (716) 882-5476

Fax: (716) 882-9640

8/26/2021

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 8/20/2021. The results are tabulated on the attached data pages for the following client designated project:

19-241-2291 Wayne County Regional Land Bank

The reference number for these samples is EMSL Order #012109455. Please use this reference when calling about these samples. If you have any questions, please do not hesitate to contact me at (856) 303-2500.

Approved By:

Phillip Worby, Environmental Chemistry
Laboratory Director



The test results contained within this report meet the requirements of NELAP and/or the specific certification program that is applicable, unless otherwise noted.
NELAP Certifications: NJ 03036, NY 10872, PA 68-00367, CA ELAP 1877

The samples associated with this report were received in good condition unless otherwise noted. This report relates only to those items tested as received by the laboratory. The QC data associated with the sample results meet the recovery and precision requirements established by the NELAP, unless specifically indicated. All results for soil samples are reported on a dry weight basis, unless otherwise noted. This report may not be reproduced except in full and without written approval by EMSL Analytical, Inc.

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (856) 303-2500 / (856) 858-4571

<http://www.EMSL.com>EnvChemistrn2@emsl.comEMSL Order: 012109455
CustomerID: LIRO50
CustomerPO: 19-241-2291
ProjectID:Attn: **Jason Colvin****The LiRo Group
690 Delaware Avenue
Buffalo, NY 14209**Phone: (716) 882-5476
Fax: (716) 882-9640
Received: 8/20/2021 09:20 AM

Project: 19-241-2291 Wayne County Regional Land Bank

Analytical Results

<i>Client Sample Description</i>	CA- 1/2/3 Exterior window above door	<i>Collected:</i>	8/19/2021 9:00:00 AM	<i>Lab ID:</i>	012109455-0001
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date & Analyst</i>	<i>Analysis Date & Analyst</i>
GC-SVOA					
3540C/8082A	Aroclor-1016	ND D	0.95 mg/Kg	8/20/2021 PG	8/24/2021 EH 00:00
3540C/8082A	Aroclor-1221	ND D	0.95 mg/Kg	8/20/2021 PG	8/24/2021 EH 00:00
3540C/8082A	Aroclor-1232	ND D	0.95 mg/Kg	8/20/2021 PG	8/24/2021 EH 00:00
3540C/8082A	Aroclor-1242	ND D	0.95 mg/Kg	8/20/2021 PG	8/24/2021 EH 00:00
3540C/8082A	Aroclor-1248	ND D	0.95 mg/Kg	8/20/2021 PG	8/24/2021 EH 00:00
3540C/8082A	Aroclor-1254	ND D	0.95 mg/Kg	8/20/2021 PG	8/24/2021 EH 00:00
3540C/8082A	Aroclor-1260	ND D	0.95 mg/Kg	8/20/2021 PG	8/24/2021 EH 00:00
3540C/8082A	Aroclor-1262	ND D	0.95 mg/Kg	8/20/2021 PG	8/24/2021 EH 00:00
3540C/8082A	Aroclor-1268	ND D	0.95 mg/Kg	8/20/2021 PG	8/24/2021 EH 00:00

Definitions:

MDL - method detection limit

J - Result was below the reporting limit, but at or above the MDL

ND - indicates that the analyte was not detected at the reporting limit

RL - Reporting Limit (Analytical)

D - Dilution Sample required a dilution which was used to calculate final results



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Tel/Fax: (585) 957-9436 / (585) 957-9437
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EMSL Order: 532101464
Customer ID: LIRO50E
Customer PO: 19-241-2291
Project ID:

Attention: J Colvin

Liro Engineers
85 Allen Street
Rochester, NY 14608

Phone: (585) 322-3930

Fax:

Received Date: 08/19/2021 3:49 PM

Analysis Date: 08/23/2021

Collected Date: 08/19/2021

Project: Job #19-241-2291, Wayne County Regional Land Bank, Lyons NY, 62 Canal Street

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Description	Non-Asbestos		Asbestos
				Fibrous	Non-Fibrous	
Sample ID FT1-1 532101464-0001			Hallway/Corridor - Tan Speckled 9x9" Floor Tile			
PLM NYS 198.1 Friable			Homogeneity			Not Analyzed
PLM NYS 198.6 VCM						Not Analyzed
PLM NYS 198.6 NOB	08/23/2021	Orange	None	91.60% Other		8.40% Chrysotile
TEM NYS 198.4 NOB	08/23/2021					Positive Stop (Not Analyzed)
Sample ID FT1-2 532101464-0002			Room 1 - Tan Speckled 9x9" Floor Tile			
PLM NYS 198.1 Friable			Homogeneity			Not Analyzed
PLM NYS 198.6 VCM						Not Analyzed
PLM NYS 198.6 NOB	08/23/2021					Positive Stop (Not Analyzed)
TEM NYS 198.4 NOB	08/23/2021					Positive Stop (Not Analyzed)
Sample ID FTM1-1 532101464-0003			Hallway/Corridor - Black Mastic (Tan Speckled 9x9" FT)			
PLM NYS 198.1 Friable			Homogeneity			Not Analyzed
PLM NYS 198.6 VCM						Not Analyzed
PLM NYS 198.6 NOB	08/23/2021	Black	None	97.80% Other		2.20% Chrysotile
TEM NYS 198.4 NOB	08/23/2021					Positive Stop (Not Analyzed)
Sample ID FTM1-2 532101464-0004			Room 1 - Black Mastic (Tan Speckled 9x9" FT)			
PLM NYS 198.1 Friable			Homogeneity			Not Analyzed
PLM NYS 198.6 VCM						Not Analyzed
PLM NYS 198.6 NOB	08/23/2021					Positive Stop (Not Analyzed)
TEM NYS 198.4 NOB	08/23/2021					Positive Stop (Not Analyzed)
Sample ID LN1-1 532101464-0005			Front Room - Marbled Linoleum			
PLM NYS 198.1 Friable			Homogeneity			Not Analyzed
PLM NYS 198.6 VCM						Not Analyzed
PLM NYS 198.6 NOB	08/23/2021	White	3.60% Glass	96.40% Other		Inconclusive: None Detected
TEM NYS 198.4 NOB	08/23/2021	White		100.00% Other		None Detected

Report amended: 09/16/2021 09:32:00 Replaces initial report from: 08/23/2021 15:35:42 Reason Code: Data Entry-Change to Location



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<http://www.EMSL.com> / rochesterlab@EMSL.com

EMSL Order: 532101464
Customer ID: LIRO50E
Customer PO: 19-241-2291
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test		Analyzed Date	Non-Asbestos			Asbestos
			Color	Fibrous	Non-Fibrous	
Sample ID	LN1-2 532101464-0006		Description	Hallway/Corridor - Marbled Linoleum		
			Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable						Not Analyzed
PLM NYS 198.6 VCM						Not Analyzed
PLM NYS 198.6 NOB		08/23/2021	White	3.40% Glass	96.60% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB		08/23/2021	White		100.00% Other	None Detected
Sample ID	LN2-1 532101464-0007		Description	Kitchen - Brick Pattern Linoleum		
			Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable						Not Analyzed
PLM NYS 198.6 VCM						Not Analyzed
PLM NYS 198.6 NOB		08/23/2021	Brown	2.10% Glass	97.90% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB		08/23/2021	Brown		100.00% Other	None Detected
Sample ID	LN2-2 532101464-0008		Description	Kitchen - Brick Pattern Linoleum		
			Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable						Not Analyzed
PLM NYS 198.6 VCM						Not Analyzed
PLM NYS 198.6 NOB		08/23/2021	Brown	1.90% Glass	98.10% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB		08/23/2021	Brown		100.00% Other	None Detected
Sample ID	LNIM2-1 532101464-0009		Description	Kitchen - Tan Mastic (Brick Linoleum)		
			Homogeneity	Homogeneous		
PLM NYS 198.1 Friable						Not Analyzed
PLM NYS 198.6 VCM						Not Analyzed
PLM NYS 198.6 NOB		08/23/2021	Tan	5.70% Glass	94.30% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB		08/23/2021	Tan		100.00% Other	None Detected
Sample ID	LNIM2-2 532101464-0010		Description	Kitchen - Tan Mastic (Brick Linoleum)		
			Homogeneity	Homogeneous		
PLM NYS 198.1 Friable						Not Analyzed
PLM NYS 198.6 VCM						Not Analyzed
PLM NYS 198.6 NOB		08/23/2021	Tan	5.60% Glass	94.40% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB		08/23/2021	Tan		100.00% Other	None Detected
Sample ID	LN3-1 532101464-0011		Description	Kitchen - Brown Linoleum		
			Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable						Not Analyzed
PLM NYS 198.6 VCM						Not Analyzed
PLM NYS 198.6 NOB		08/23/2021	Brown	2.00% Glass	98.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB		08/23/2021	Brown		100.00% Other	None Detected

Report amended: 09/16/2021 09:32:00 Replaces initial report from: 08/23/2021 15:35:42 Reason Code: Data Entry-Change to Location



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<http://www.EMSL.com> / rochesterlab@EMSL.com

EMSL Order: 532101464
Customer ID: LIRO50E
Customer PO: 19-241-2291
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test		Analyzed Date	Color	Non-Asbestos			Asbestos
				Fibrous	Non-Fibrous	Asbestos	
Sample ID	LN3-2 532101464-0012		Description	Kitchen - Brown Linoleum			
			Homogeneity	Heterogeneous			
PLM NYS 198.1 Friable							Not Analyzed
PLM NYS 198.6 VCM							Not Analyzed
PLM NYS 198.6 NOB		08/23/2021	Brown	1.60% Glass	98.40% Other	Inconclusive: None Detected	
TEM NYS 198.4 NOB		08/23/2021	Brown		100.00% Other	None Detected	
Sample ID	LN3-1 532101464-0013		Description	Kitchen - Tan Mastic (Brown Linoleum)			
			Homogeneity	Homogeneous			
PLM NYS 198.1 Friable							Not Analyzed
PLM NYS 198.6 VCM							Not Analyzed
PLM NYS 198.6 NOB		08/23/2021	Brown	2.90% Glass	97.10% Other	Inconclusive: None Detected	
TEM NYS 198.4 NOB		08/23/2021	Brown		100.00% Other	None Detected	
Sample ID	LN3-2 532101464-0014		Description	Kitchen - Tan Mastic (Brown Linoleum)			
			Homogeneity	Homogeneous			
PLM NYS 198.1 Friable							Not Analyzed
PLM NYS 198.6 VCM							Not Analyzed
PLM NYS 198.6 NOB		08/23/2021	Brown	2.70% Glass	97.30% Other	Inconclusive: None Detected	
TEM NYS 198.4 NOB		08/23/2021	Brown		100.00% Other	None Detected	
Sample ID	DW1-1 532101464-0015		Description	Front Room - White Drywall			
			Homogeneity	Heterogeneous			
PLM NYS 198.1 Friable		08/23/2021	Tan/ White	10.00% Cellulose	85.00% Gypsum 5.00% Non-fibrous (other)	None Detected	
PLM NYS 198.6 VCM							Not Analyzed
PLM NYS 198.6 NOB							Not Analyzed
TEM NYS 198.4 NOB							Not Analyzed
Sample ID	DW1-2 532101464-0016		Description	Room 1 - White Drywall			
			Homogeneity	Heterogeneous			
PLM NYS 198.1 Friable		08/23/2021	Tan/ White	10.00% Cellulose	85.00% Gypsum 5.00% Non-fibrous (other)	None Detected	
PLM NYS 198.6 VCM							Not Analyzed
PLM NYS 198.6 NOB							Not Analyzed
TEM NYS 198.4 NOB							Not Analyzed
Sample ID	DW1-3 532101464-0017		Description	Room 2 - White Drywall			
			Homogeneity	Heterogeneous			
PLM NYS 198.1 Friable		08/23/2021	Tan/ White	10.00% Cellulose	85.00% Gypsum 5.00% Non-fibrous (other)	None Detected	
PLM NYS 198.6 VCM							Not Analyzed
PLM NYS 198.6 NOB							Not Analyzed
TEM NYS 198.4 NOB							Not Analyzed
Sample ID	DW1-3 532101464-0017		Description	Room 2 - White Drywall			
			Homogeneity	Heterogeneous			
PLM NYS 198.1 Friable		08/23/2021	Tan/ White	10.00% Cellulose	85.00% Gypsum 5.00% Non-fibrous (other)	None Detected	
PLM NYS 198.6 VCM							Not Analyzed
PLM NYS 198.6 NOB							Not Analyzed
TEM NYS 198.4 NOB							Not Analyzed

Report amended: 09/16/2021 09:32:00 Replaces initial report from: 08/23/2021 15:35:42 Reason Code: Data Entry-Change to Location



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<http://www.EMSL.com> / rochesterlab@EMSL.com

EMSL Order: 532101464
Customer ID: LIRO50E
Customer PO: 19-241-2291
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test		Analyzed Date	Color	Non-Asbestos			Asbestos
				Fibrous	Non-Fibrous		
Sample ID	DT1-1 532101464-0018		Description	Basement-on HVAC Duct - White Duct Tape/Sealant			
			Homogeneity	Homogeneous			
PLM NYS 198.1 Friable	08/23/2021	White	20.00% Cellulose	13.00% Non-fibrous (other)			67.00% Chrysotile
PLM NYS 198.6 VCM							Not Analyzed
PLM NYS 198.6 NOB							Not Analyzed
TEM NYS 198.4 NOB							Not Analyzed
Sample ID	DT1-2 532101464-0019		Description	Basement-on HVAC Duct - White Duct Tape/Sealant			
			Homogeneity				
PLM NYS 198.1 Friable	08/23/2021						Positive Stop (Not Analyzed)
PLM NYS 198.6 VCM							Not Analyzed
PLM NYS 198.6 NOB							Not Analyzed
TEM NYS 198.4 NOB							Not Analyzed
Sample ID	WC1-1 532101464-0020		Description	Exterior Window-Above Door - White Window Caulk			
			Homogeneity	Homogeneous			
PLM NYS 198.1 Friable							Not Analyzed
PLM NYS 198.6 VCM							Not Analyzed
PLM NYS 198.6 NOB	08/23/2021	White		100.00% Other			Inconclusive: None Detected
TEM NYS 198.4 NOB	08/23/2021	White		100.00% Other			None Detected
Sample ID	WC1-2 532101464-0021		Description	Exterior Window-Above Door - White Window Caulk			
			Homogeneity	Homogeneous			
PLM NYS 198.1 Friable							Not Analyzed
PLM NYS 198.6 VCM							Not Analyzed
PLM NYS 198.6 NOB	08/23/2021	White		100.00% Other			Inconclusive: None Detected
TEM NYS 198.4 NOB	08/23/2021	White		100.00% Other			None Detected
Sample ID	LN4-1 532101464-0022		Description	Front Room - Red Linoleum			
			Homogeneity	Heterogeneous			
PLM NYS 198.1 Friable							Not Analyzed
PLM NYS 198.6 VCM							Not Analyzed
PLM NYS 198.6 NOB	08/23/2021	Brown/ Black	None	100.00% Other			Inconclusive : <1% Chrysotile
TEM NYS 198.4 NOB	08/23/2021	Brown/ Black	None	100.00% Other			<1% Chrysotile
Sample ID	LN4-2 532101464-0023		Description	Front Room - Red Linoleum			
			Homogeneity	Heterogeneous			
PLM NYS 198.1 Friable							Not Analyzed
PLM NYS 198.6 VCM							Not Analyzed
PLM NYS 198.6 NOB	08/23/2021	Brown/ Black	None	100.00% Other			Inconclusive : <1% Chrysotile
TEM NYS 198.4 NOB	08/23/2021	Brown/ Black	None	100.00% Other			<1% Chrysotile
Sample ID	LN4-2 532101464-0023		Description	Front Room - Red Linoleum			
			Homogeneity	Heterogeneous			
PLM NYS 198.1 Friable							Not Analyzed
PLM NYS 198.6 VCM							Not Analyzed
PLM NYS 198.6 NOB	08/23/2021	Brown/ Black	None	100.00% Other			Inconclusive : <1% Chrysotile
TEM NYS 198.4 NOB	08/23/2021	Brown/ Black	None	100.00% Other			<1% Chrysotile

Report amended: 09/16/2021 09:32:00 Replaces initial report from: 08/23/2021 15:35:42 Reason Code: Data Entry-Change to Location



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Tel/Fax: (585) 957-9436 / (585) 957-9437

<http://www.EMSL.com> / rochesterlab@EMSL.com

EMSL Order: 532101464
Customer ID: LIRO50E
Customer PO: 19-241-2291
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test		Analysed Date	Non-Asbestos				Asbestos
Sample ID	Test	Date	Color	Fibrous	Non-Fibrous		
LN4-1 532101464-0024			Description	Front Room - Black Mastic (Red Linoleum)			
			Homogeneity	Homogeneous			
PLM NYS 198.1 Friable						Not Analyzed	
PLM NYS 198.6 VCM						Not Analyzed	
PLM NYS 198.6 NOB		08/23/2021	Black	None	92.80% Other	7.20% Chrysotile	
TEM NYS 198.4 NOB		08/23/2021				Positive Stop (Not Analyzed)	
LN4-2 532101464-0025			Description	Front Room - Black Mastic (Red Linoleum)			
			Homogeneity				
PLM NYS 198.1 Friable						Not Analyzed	
PLM NYS 198.6 VCM						Not Analyzed	
PLM NYS 198.6 NOB		08/23/2021				Positive Stop (Not Analyzed)	
TEM NYS 198.4 NOB		08/23/2021				Positive Stop (Not Analyzed)	



EMSL Analytical, Inc.

2975 Brighton Henrietta Town Line Rd ,100 Ste 130 Rochester, NY 14623

Tel/Fax: (585) 957-9436 / (585) 957-9437

<http://www.EMSL.com> / rochesterlab@EMSL.com

EMSL Order: 532101464
Customer ID: LIRO50E
Customer PO: 19-241-2291
Project ID:

Test Report:Asbestos Analysis of Bulk Material

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk Materials via NYS ELAP Approved Methods. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

Report Comments:

Sample Receipt Date: 8/19/2021

Sample Receipt Time: 3:49 PM

Analysis Completed Date: 8/23/2021

Analysis Completed Time: 11:02 AM

Analyst(s):

Peter Donato PLM NYS 198.1 Friable (4)

Peter Donato PLM NYS 198.6 NOB (17)

Peter Donato TEM NYS 198.4 NOB (14)

Samples reviewed and approved by:

Peter Donato, Laboratory Manager
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. 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. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. Estimation of uncertainty available upon request. This report is a summary of multiple methods of analysis, fully compliant reports are available upon request. All samples examined for the presence of vermiculite when analyzed via NYS 198.1. A combination of PLM and TEM analysis may be necessary to ensure consistently reliable detection of asbestos. Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. This report must not be used to claim product endorsement by NVLAP of any agency or the U.S. Government. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing. NOB= Non friable organically bound; N/A= Not applicable VCM= Vermiculite containing material.

Samples analyzed by EMSL Analytical, Inc. Rochester, NY NYS ELAP 12088, NVLAP Lab Code 600183-0

Report amended: 09/16/2021 09:32:00 Replaces initial report from: 08/23/2021 15:35:42 Reason Code: Data Entry-Change to Location



EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (856) 303-2500 / (856) 786-5974

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

EMSL Order: 202106425
CustomerID: LIRO50
CustomerPO: 19-241-2291
ProjectID:

Attn: **J. Seward**

The LiRo Group
690 Delaware Avenue
Buffalo, NY 14209

Phone: (716) 882-5476
Fax: (716) 882-9640
Received: 08/20/21 10:30 AM
Collected: 8/19/2021

Project: 19-241-2291 / Wayne County Regional Land Bank / Lyons, NY / 62 Canal St.

Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)*

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Weight</i>	<i>Lead Concentration</i>
LBP-1	202106425-0001	8/19/2021	8/24/2021	0.2505 g	0.091 % wt
Site: Room 1 - closet - red paint - wood					

Phillip Worby, Lead Laboratory Manager
or other approved signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. 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. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted.
Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.008% wt based on the minimum sample weight per our SOP "-<" (less than) result signifies the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. Definitions of modifications are available upon request.
Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NELAP Certifications: NJ 03036, NY 10872, PA 68-00367, AIHA-LAP, LLC ELLAP 100194, A2LA 2845.01

Initial report from 08/27/2021 10:47:18

Test Report ChmSnglePrrm/nQC-7.32.3 Printed: 8/27/2021 10:47:18 AM



EMSL Analytical, Inc.

2975 Brighton Henrietta Town Line Rd., 100 Ste 130 Rochester, NY 14623

Tel/Fax: (585) 957-9436 / (585) 957-9437

<http://www.EMSL.com> / rochesterlab@EMSL.com

EMSL Order: 532101582
Customer ID: LIRO50E
Customer PO: 19-241-2291
Project ID:

Attention: J Colvin

Liro Engineers
85 Allen Street
Rochester, NY 14608

Phone: (585) 322-3930

Fax:

Received Date: 09/08/2021 9:47 AM

Analysis Date: 09/10/2021

Collected Date: 09/08/2021

Project: Job #19-241-2291, Wayne County Regional Land Bank, Lyons NY, 64 Canal St.

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Fibrous	Non-Asbestos		Asbestos
				Non-Fibrous	Asbestos	
Sample ID DW1-1 532101582-0001						
PLM NYS 198.1 Friable	09/10/2021	Brown/ White	10.00% Cellulose	85.00% Gypsum 5.00% Non-fibrous (other)	None Detected	
PLM NYS 198.6 VCM					Not Analyzed	
PLM NYS 198.6 NOB					Not Analyzed	
TEM NYS 198.4 NOB					Not Analyzed	
Sample ID DW1-2 532101582-0002						
PLM NYS 198.1 Friable	09/10/2021	Brown/ White	10.00% Cellulose	85.00% Gypsum 5.00% Non-fibrous (other)	None Detected	
PLM NYS 198.6 VCM					Not Analyzed	
PLM NYS 198.6 NOB					Not Analyzed	
TEM NYS 198.4 NOB					Not Analyzed	
Sample ID DW1-3 532101582-0003						
PLM NYS 198.1 Friable	09/10/2021	Brown/ White	10.00% Cellulose	85.00% Gypsum 5.00% Non-fibrous (other)	None Detected	
PLM NYS 198.6 VCM					Not Analyzed	
PLM NYS 198.6 NOB					Not Analyzed	
TEM NYS 198.4 NOB					Not Analyzed	
Sample ID SC1-1 532101582-0004						
PLM NYS 198.1 Friable	09/10/2021	White		10.00% Ca Carbonate 90.00% Non-fibrous (other)	None Detected	
PLM NYS 198.6 VCM					Not Analyzed	
PLM NYS 198.6 NOB					Not Analyzed	
TEM NYS 198.4 NOB					Not Analyzed	
Sample ID SC1-2 532101582-0005						
PLM NYS 198.1 Friable	09/10/2021	White		10.00% Ca Carbonate 90.00% Non-fibrous (other)	None Detected	
PLM NYS 198.6 VCM					Not Analyzed	
PLM NYS 198.6 NOB					Not Analyzed	
TEM NYS 198.4 NOB					Not Analyzed	

Report amended: 09/16/2021 09:26:00 Replaces initial report from: 09/10/2021 13:33:52 Reason Code: Data Entry-Change to Location



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Tel/Fax: (585) 957-9436 / (585) 957-9437

<http://www.EMSL.com> / rochesterlab@EMSL.com

EMSL Order: 532101582
Customer ID: LIRO50E
Customer PO: 19-241-2291
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test		Analyzed Date	Color	Non-Asbestos			Asbestos
				Fibrous	Non-Fibrous		
Sample ID	SC1-3	532101582-0006	Description	Apt A. Living Room/Kitchen ceiling - White Skim Coat			
			Homogeneity	Homogeneous			
PLM NYS 198.1 Friable			White		10.00% Ca Carbonate	None Detected	
					90.00% Non-fibrous (other)		
PLM NYS 198.6 VCM		532101582-0007				Not Analyzed	
PLM NYS 198.6 NOB						Not Analyzed	
TEM NYS 198.4 NOB						Not Analyzed	
Sample ID	PL1-1	532101582-0007	Description	Bedroom Apt. A - White Plaster			
			Homogeneity	Homogeneous			
PLM NYS 198.1 Friable			White		10.00% Ca Carbonate	None Detected	
					90.00% Non-fibrous (other)		
PLM NYS 198.6 VCM		532101582-0008				Not Analyzed	
PLM NYS 198.6 NOB						Not Analyzed	
TEM NYS 198.4 NOB						Not Analyzed	
Sample ID	PL1-2	532101582-0008	Description	Living Room/Kitchen Apt. A - White Plaster			
			Homogeneity	Homogeneous			
PLM NYS 198.1 Friable			White		10.00% Ca Carbonate	None Detected	
					90.00% Non-fibrous (other)		
PLM NYS 198.6 VCM		532101582-0009				Not Analyzed	
PLM NYS 198.6 NOB						Not Analyzed	
TEM NYS 198.4 NOB						Not Analyzed	
Sample ID	PL1-3	532101582-0009	Description	Living Room/Kitchen Apt. A - White Plaster			
			Homogeneity	Homogeneous			
PLM NYS 198.1 Friable			White		10.00% Ca Carbonate	None Detected	
					90.00% Non-fibrous (other)		
PLM NYS 198.6 VCM		532101582-0010				Not Analyzed	
PLM NYS 198.6 NOB						Not Analyzed	
TEM NYS 198.4 NOB						Not Analyzed	
Sample ID	PL2-1	532101582-0010	Description	Bedroom Apt. A - Gray Plaster			
			Homogeneity	Homogeneous			
PLM NYS 198.1 Friable			Gray	2.00% Hair	98.00% Non-fibrous (other)	None Detected	
PLM NYS 198.6 VCM		532101582-0011				Not Analyzed	
PLM NYS 198.6 NOB						Not Analyzed	
TEM NYS 198.4 NOB						Not Analyzed	
Sample ID	PL2-2	532101582-0011	Description	Apt. A LR/Kitchen - Gray Plaster			
			Homogeneity	Homogeneous			
PLM NYS 198.1 Friable			Gray	2.00% Hair	97.75% Non-fibrous (other)	0.25% Chrysotile	
PLM NYS 198.6 VCM		532101582-0001				Not Analyzed	
PLM NYS 198.6 NOB						Not Analyzed	
TEM NYS 198.4 NOB						Not Analyzed	

Report amended: 09/16/2021 09:26:00 Replaces initial report from: 09/10/2021 13:33:52 Reason Code: Data Entry-Change to Location



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<http://www.EMSL.com> / rochesterlab@EMSL.com

EMSL Order: 532101582
Customer ID: LIRO50E
Customer PO: 19-241-2291
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test		Analyzed Date	Color	Non-Asbestos			Asbestos
				Fibrous	Non-Fibrous		
Sample ID	PL2-3	532101582-0012	Description	Apt. A LR/Kitchen - Gray Plaster			
			Homogeneity	Homogeneous			
PLM NYS 198.1 Friable			Gray	3.00% Hair	96.50% Non-fibrous (other)		0.50% Chrysotile
PLM NYS 198.6 VCM							Not Analyzed
PLM NYS 198.6 NOB							Not Analyzed
TEM NYS 198.4 NOB							Not Analyzed
Sample ID	JC1-1	532101582-0013	Description	Apartment A - White Joint Compound			
			Homogeneity	Homogeneous			
PLM NYS 198.1 Friable			White	10.00% Ca Carbonate	90.00% Non-fibrous (other)		None Detected
PLM NYS 198.6 VCM							Not Analyzed
PLM NYS 198.6 NOB							Not Analyzed
TEM NYS 198.4 NOB							Not Analyzed
Sample ID	JC1-2	532101582-0014	Description	Apartment A - White Joint Compound			
			Homogeneity	Homogeneous			
PLM NYS 198.1 Friable			White	10.00% Ca Carbonate	90.00% Non-fibrous (other)		None Detected
PLM NYS 198.6 VCM							Not Analyzed
PLM NYS 198.6 NOB							Not Analyzed
TEM NYS 198.4 NOB							Not Analyzed
Sample ID	JC1-3	532101582-0015	Description	Apartment A - White Joint Compound			
			Homogeneity	Homogeneous			
PLM NYS 198.1 Friable			White	10.00% Ca Carbonate	90.00% Non-fibrous (other)		None Detected
PLM NYS 198.6 VCM							Not Analyzed
PLM NYS 198.6 NOB							Not Analyzed
TEM NYS 198.4 NOB							Not Analyzed
Sample ID	TG1-1	532101582-0016	Description	Apartment A Kitchen - Gray Tile Grout			
			Homogeneity	Homogeneous			
PLM NYS 198.1 Friable			White	10.00% Ca Carbonate	90.00% Non-fibrous (other)		None Detected
PLM NYS 198.6 VCM							Not Analyzed
PLM NYS 198.6 NOB							Not Analyzed
TEM NYS 198.4 NOB							Not Analyzed
Sample ID	TG1-2	532101582-0017	Description	Apartment A Kitchen - Gray Tile Grout			
			Homogeneity	Homogeneous			
PLM NYS 198.1 Friable			White	10.00% Ca Carbonate	90.00% Non-fibrous (other)		None Detected
PLM NYS 198.6 VCM							Not Analyzed
PLM NYS 198.6 NOB							Not Analyzed
TEM NYS 198.4 NOB							Not Analyzed
Sample ID	TG1-2	532101582-0017	Description	Apartment A Kitchen - Gray Tile Grout			
			Homogeneity	Homogeneous			
PLM NYS 198.1 Friable			White	10.00% Ca Carbonate	90.00% Non-fibrous (other)		None Detected
PLM NYS 198.6 VCM							Not Analyzed
PLM NYS 198.6 NOB							Not Analyzed
TEM NYS 198.4 NOB							Not Analyzed

Report amended: 09/16/2021 09:26:00 Replaces initial report from: 09/10/2021 13:33:52 Reason Code: Data Entry-Change to Location



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Tel/Fax: (585) 957-9436 / (585) 957-9437

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EMSL Order: 532101582
Customer ID: LIRO50E
Customer PO: 19-241-2291
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test		Analized Date	Color	Non-Asbestos			Asbestos
				Fibrous	Non-Fibrous		
Sample ID	TC1-1		Description	Apartment A Kitchen - White Tile Cement			
	532101582-0018		Homogeneity	Homogeneous			
PLM NYS 198.1 Friable	09/10/2021	White			10.00% Ca Carbonate 90.00% Non-fibrous (other)		None Detected
PLM NYS 198.6 VCM							Not Analyzed
PLM NYS 198.6 NOB							Not Analyzed
TEM NYS 198.4 NOB							Not Analyzed
Sample ID	TC1-2		Description	Apartment A Kitchen - White Tile Cement			
	532101582-0019		Homogeneity	Homogeneous			
PLM NYS 198.1 Friable	09/10/2021	White			10.00% Ca Carbonate 90.00% Non-fibrous (other)		None Detected
PLM NYS 198.6 VCM							Not Analyzed
PLM NYS 198.6 NOB							Not Analyzed
TEM NYS 198.4 NOB							Not Analyzed
Sample ID	CT1-1		Description	Entry Stairwell - White Speckled 2x4 Ceiling Tile			
	532101582-0020		Homogeneity	Heterogeneous			
PLM NYS 198.1 Friable							Not Analyzed
PLM NYS 198.6 VCM							Not Analyzed
PLM NYS 198.6 NOB	09/10/2021	Gray/ White	19.00% Min. Wool	81.00% Other			Inconclusive: None Detected
TEM NYS 198.4 NOB	09/10/2021	Gray/ White		100.00% Other			None Detected
Sample ID	CT1-2		Description	Entry Stairwell - White Speckled 2x4 Ceiling Tile			
	532101582-0021		Homogeneity	Heterogeneous			
PLM NYS 198.1 Friable							Not Analyzed
PLM NYS 198.6 VCM							Not Analyzed
PLM NYS 198.6 NOB	09/10/2021	Gray/ White	20.00% Min. Wool	80.00% Other			Inconclusive: None Detected
TEM NYS 198.4 NOB	09/10/2021	Gray/ White		100.00% Other			None Detected
Sample ID	FT1-1		Description	Apt. D - Brown 9x9" FT			
	532101582-0022		Homogeneity	Homogeneous			
PLM NYS 198.1 Friable							Not Analyzed
PLM NYS 198.6 VCM							Not Analyzed
PLM NYS 198.6 NOB	09/10/2021	Brown	None	94.90% Other			5.10% Chrysotile
TEM NYS 198.4 NOB	09/10/2021						Positive Stop (Not Analyzed)
Sample ID	FT1-2		Description	Apt. D - Brown 9x9" FT			
	532101582-0023		Homogeneity				
PLM NYS 198.1 Friable							Not Analyzed
PLM NYS 198.6 VCM							Not Analyzed
PLM NYS 198.6 NOB	09/10/2021						Positive Stop (Not Analyzed)
TEM NYS 198.4 NOB	09/10/2021						Positive Stop (Not Analyzed)

Report amended: 09/16/2021 09:26:00 Replaces initial report from: 09/10/2021 13:33:52 Reason Code: Data Entry-Change to Location



2975 Brighton Henrietta Town Line Rd ,100 Ste 130 Rochester, NY 14623

Tel/Fax: (585) 957-9436 / (585) 957-9437

<http://www.EMSL.com> / rochesterlab@EMSL.com

EMSL Order: 532101582
Customer ID: LIRO50E
Customer PO: 19-241-2291
Project ID:

Non-Asbestos

Report amended: 09/16/2021 09:26:00 Replaces initial report from: 09/10/2021 13:33:52 Reason Code: Data Entry-Change to Location



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2975 Brighton Henrietta Town Line Rd., 100 Ste 130 Rochester, NY 14623

Tel/Fax: (585) 957-9436 / (585) 957-9437

<http://www.EMSL.com> / rochesterlab@EMSL.com

EMSL Order: 532101582
Customer ID: LIRO50E
Customer PO: 19-241-2291
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test		Analyzed Date	Non-Asbestos			Asbestos
			Color	Fibrous	Non-Fibrous	
Sample ID	LNM1-1 532101582-0030		Description	Apartment C Entry Way - Yellow Linoleum Glue		
			Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable						Not Analyzed
PLM NYS 198.6 VCM						Not Analyzed
PLM NYS 198.6 NOB		09/10/2021	Tan/ Yellow	1.80% Glass	98.20% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB		09/10/2021	Tan/ Yellow		100.00% Other	None Detected
Sample ID	LNM1-2 532101582-0031		Description	Apartment C Entry Way - Yellow Linoleum Glue		
			Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable						Not Analyzed
PLM NYS 198.6 VCM						Not Analyzed
PLM NYS 198.6 NOB		09/10/2021	Tan/ Yellow	1.80% Glass	98.20% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB		09/10/2021	Tan/ Yellow		100.00% Other	None Detected
Sample ID	FTM1-1 532101582-0032		Description	Apt. D - Black Mastic		
			Homogeneity	Homogeneous		
PLM NYS 198.1 Friable						Not Analyzed
PLM NYS 198.6 VCM						Not Analyzed
PLM NYS 198.6 NOB		09/10/2021	Black	None	96.10% Other	3.90% Chrysotile
TEM NYS 198.4 NOB		09/10/2021				Positive Stop (Not Analyzed)
Sample ID	FTM1-2 532101582-0033		Description	Apt. D - Black Mastic		
			Homogeneity			
PLM NYS 198.1 Friable						Not Analyzed
PLM NYS 198.6 VCM						Not Analyzed
PLM NYS 198.6 NOB		09/10/2021				Positive Stop (Not Analyzed)
TEM NYS 198.4 NOB		09/10/2021				Positive Stop (Not Analyzed)

Report amended: 09/16/2021 09:26:00 Replaces initial report from: 09/10/2021 13:33:52 Reason Code: Data Entry-Change to Location



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Tel/Fax: (585) 957-9436 / (585) 957-9437

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EMSL Order: 532101582
Customer ID: LIRO50E
Customer PO: 19-241-2291
Project ID:

Test Report: Asbestos Analysis of Bulk Material

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk Materials via NYS ELAP Approved Methods. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

Report Comments:

Sample Receipt Date: 9/8/2021

Sample Receipt Time: 9:47 AM

Analysis Completed Date: 9/10/2021

Analysis Completed Time: 9:24 AM

Analyst(s):

Peter Donato PLM NYS 198.1 Friable (19)

Peter Donato PLM NYS 198.6 NOB (11)

Peter Donato TEM NYS 198.4 NOB (8)

Samples reviewed and approved by:

Peter Donato, Laboratory Manager
or Other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Rochester, NY NYS ELAP 12088, NVLAP Lab Code 600183-0

Report amended: 09/16/2021 09:26:00 Replaces initial report from: 09/10/2021 13:33:52 Reason Code: Data Entry-Change to Location



EMSL Analytical, Inc.

528 Mineola Avenue, Carle Place, NY 11514
Phone/Fax: (516) 997-7251 / (516) 997-7528
<http://www.EMSL.com>

carleplacelab@emsl.com

EMSL Order: 062118126
CustomerID: LIRO50A
CustomerPO: 19-241-2291
ProjectID:

Attn: **Jason Colvin**

Liro Engineers, Inc.
100 Duffy Avenue
Suite 402
Hicksville, NY 11801

Phone: (516) 595-2900
Fax: (516) 937-5421
Received: 9/9/2021 10:56 AM
Collected: 9/7/2021

Project: #: 19-241-2291, Wayne County Regional Land Bank, Lyons NY, 64 Canal St

Test Report: Lead in Paint Chips by Flame AAS (SW 846 3051A/7000B)*

Client Sample Description	Lab ID	Collected	Analyzed	Lead	
				Concentration	
LBP-1	062118126-0001	9/7/2021	9/11/2021	6.5 % wt	
	Site: Apartment D, White/Black Paint				
LBP-2	062118126-0002	9/7/2021	9/11/2021	0.073 % wt	
	Site: Apartment D, Light Blue Paint				
LBP-3	062118126-0003	9/7/2021	9/11/2021	0.23 % wt	
	Site: Apartment D, Tan Paint				

Dominique Iaccarino, Chemistry Lab Manager
or other approved signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. 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. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted.
Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.008% wt based on the minimum sample weight per our SOP. "-<" (less than) result signifies the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. Definitions of modifications are available upon request.
Samples analyzed by EMSL Analytical, Inc. Carle Place, NY Lab ID 102344 is accredited by AIHA LAP, LLC in the env. accreditation program for Lead in Paint, CT PH-0249, NYS ELAP 11469, CA 2339

Initial report from 09/11/2021 17:22:32

Test Report ChmSnglPm/nQC-7.32.3 Printed: 9/11/2021 5:22:32 PM

Page 1 of 1

APPENDIX C:
CERTIFICATIONS AND ACCREDITATIONS

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 600183-0

EMSL Analytical, Inc. Rochester, NY
Rochester, NY

*is accredited by the National Voluntary Laboratory Accreditation Program for specific services,
listed on the Scope of Accreditation, for:*

Asbestos Fiber Analysis

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communiqué dated January 2009).*

2021-01-01 through 2021-12-31

Effective Dates



A handwritten signature in blue ink, reading "Dana S. Laman". The signature is written in a cursive style.

For the National Voluntary Laboratory Accreditation Program

NVLAP[®] National Voluntary Laboratory Accreditation Program



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

EMSL Analytical, Inc. Rochester, NY

2975 Brighton Henrietta Town Line Rd.

Building 100, Suite 130

Rochester, NY 14623

Mr. Peter Donato

Phone: 585-957-9436 Fax: 585-957-9437

Email: pdonato@emsl.com

<http://www.emsl.com>

ASBESTOS FIBER ANALYSIS

NVLAP LAB CODE 600183-0

Bulk Asbestos Analysis

Code
18/A01

Description

EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples

18/A03

EPA 600/R-93/116; Method for the Determination of Asbestos in Bulk Building Materials

Airborne Asbestos Analysis

Code
18/A02

Description

U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A.

For the National Voluntary Laboratory Accreditation Program

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2022
Issued April 01, 2021
Revised May 05, 2021

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. PHILLIP M. WORBY
EMSL ANALYTICAL INC
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077

NY Lab Id No: 10872

*is hereby APPROVED as an Environmental Laboratory in conformance with the
National Environmental Laboratory Accreditation Conference Standards (2016) for the category
ENVIRONMENTAL ANALYSES POTABLE WATER
All approved analytes are listed below:*

Bacteriology		Metals I	
Coliform, Total / E. coli (Qualitative)	SM 20, 21-23 9223B (-04) (Collert)	Silver, Total	EPA 200.8 Rev. 5.4
Heterotrophic Plate Count	SM 20, 21-23 9215B (-04)	Zinc, Total	EPA 200.7 Rev. 4.4 EPA 200.8 Rev. 5.4
Disinfection By-products		Metals II	
Bromide		Aluminum, Total	EPA 200.7 Rev. 4.4 EPA 200.8 Rev. 5.4
Fuel Additives		Antimony, Total	EPA 200.8 Rev. 5.4
Methyl tert-butyl ether	EPA 524.2	Beryllium, Total	EPA 200.8 Rev. 5.4
Naphthalene	EPA 524.2	Nickel, Total	EPA 200.7 Rev. 4.4 EPA 200.8 Rev. 5.4
Metals I		Thallium, Total	EPA 200.8 Rev. 5.4
Arsenic, Total	EPA 200.8 Rev. 5.4	Metals III	
Barium, Total	EPA 200.7 Rev. 4.4 EPA 200.8 Rev. 5.4	Calcium, Total	EPA 200.7 Rev. 4.4
Cadmium, Total	EPA 200.7 Rev. 4.4 EPA 200.8 Rev. 5.4	Magnesium, Total	EPA 200.7 Rev. 4.4
Chromium, Total	EPA 200.7 Rev. 4.4 EPA 200.8 Rev. 5.4	Potassium, Total	EPA 200.7 Rev. 4.4
Copper, Total	EPA 200.7 Rev. 4.4 EPA 200.8 Rev. 5.4	Sodium, Total	EPA 200.7 Rev. 4.4
Iron, Total	EPA 200.8 Rev. 5.4	Uranium (Mass)	EPA 200.8 Rev. 5.4
Lead, Total	EPA 200.7 Rev. 4.4 EPA 200.8 Rev. 5.4	Microextractables	
Manganese, Total	EPA 200.7 Rev. 4.4 EPA 200.8 Rev. 5.4	1,2,3-Trichloropropane, Low Level	EPA 504.1
Mercury, Total	EPA 245.1 Rev. 3.0	1,2-Dibromo-3-chloropropane, Low Level	EPA 504.1
Selenium, Total	EPA 200.8 Rev. 5.4	1,2-Dibromoethane, Low Level	EPA 504.1
Silver, Total	EPA 200.7 Rev. 4.4	Miscellaneous	
		Asbestos	EPA 100.1 EPA 100.2

Serial No.: 63577

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All approved analytes are listed below:

Serial No.: 63577



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Volatile Aromatics		Volatile Halocarbons	
Chlorobenzene	EPA 524.2	Bromochloromethane	EPA 524.2
Ethyl benzene	EPA 524.2	Bromomethane	EPA 524.2
Hexachlorobutadiene	EPA 524.2	Carbon tetrachloride	EPA 524.2
Isopropylbenzene	EPA 524.2	Chloroethane	EPA 524.2
n-Butylbenzene	EPA 524.2	Chloromethane	EPA 524.2
n-Propylbenzene	EPA 524.2	cis-1,2-Dichloroethene	EPA 524.2
p-Isopropyltoluene (P-Cymene)	EPA 524.2	cis-1,3-Dichloropropene	EPA 524.2
sec-Butylbenzene	EPA 524.2	Dibromomethane	EPA 524.2
Styrene	EPA 524.2	Dichlorodifluoromethane	EPA 524.2
tert-Butylbenzene	EPA 524.2	Methylene chloride	EPA 524.2
Toluene	EPA 524.2	Tetrachloroethene	EPA 524.2
Total Xylenes	EPA 524.2	trans-1,2-Dichloroethene	EPA 524.2
		trans-1,3-Dichloropropene	EPA 524.2
Volatile Halocarbons		Trichloroethene	EPA 524.2
1,1,1,2-Tetrachloroethane	EPA 524.2	Trichlorofluoromethane	EPA 524.2
1,1,1-Trichloroethane	EPA 524.2	Vinyl chloride	EPA 524.2
1,1,2,2-Tetrachloroethane	EPA 524.2		
1,1,2-Trichloroethane	EPA 524.2		
1,1-Dichloroethane	EPA 524.2		
1,1-Dichloroethene	EPA 524.2		
1,1-Dichloropropene	EPA 524.2		
1,2,3-Trichloropropane	EPA 524.2		
1,2-Dichloroethane	EPA 524.2		
1,2-Dichloropropane	EPA 524.2		
1,3-Dichloropropane	EPA 524.2		
2,2-Dichloropropane	EPA 524.2		

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Acrylates			
Acrolein (Propenal)	EPA 8260D EPA 624.1	Benzidines 3,3'-Dichlorobenzidine	EPA 625.1 EPA 8270E
Acrylonitrile	EPA 8260D EPA 624.1	3,3'-Dimethylbenzidine Benzidine	EPA 8270E EPA 625.1 EPA 8270E
Amines		Chlorinated Hydrocarbon Pesticides	
1,2-Diphenylhydrazine	EPA 8270E	4,4'-DDD	EPA 8081B
1,4-Phenylenediamine	EPA 8270E		EPA 608.3
1-Naphthylamine	EPA 8270E	4,4'-DDE	EPA 8081B
2-Naphthylamine	EPA 8270E		EPA 608.3
2-Nitroaniline	EPA 8270E	4,4'-DDT	EPA 8081B
3-Nitroaniline	EPA 8270E		EPA 608.3
4-Chloroaniline	EPA 8270E	Aldrin	EPA 8081B
4-Nitroaniline	EPA 8270E	alpha-BHC	EPA 608.3
5-Nitro-o-toluidine	EPA 8270E		EPA 8081B
Aniline	EPA 625.1 EPA 8270E	alpha-Chlordane beta-BHC	EPA 608.3 EPA 8081B
Carbazole	EPA 8270E	Chlordane Total	EPA 608.3 EPA 8081B
Pronamide	EPA 625.1		EPA 608.3
Propionitrile	EPA 8270E	Chlorobenzilate delta-BHC	EPA 8270E EPA 8081B
Pyridine	EPA 8260D EPA 8260D EPA 625.1 EPA 8270E		EPA 608.3
Bacteriology		Diallate	EPA 8270E
Heterotrophic Plate Count	SM 18-21 9215B		

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Chlorinated Hydrocarbon Pesticides	
Dieldrin	EPA 8081B EPA 608.3
Endosulfan I	EPA 8081B EPA 608.3
Endosulfan II	EPA 8081B EPA 608.3
Endosulfan sulfate	EPA 8081B EPA 608.3
Endrin	EPA 8081B EPA 608.3
Endrin aldehyde	EPA 8081B EPA 608.3
Endrin Ketone	EPA 8081B EPA 608.3
gamma-Chlordane	EPA 8081B EPA 608.3
Heptachlor	EPA 8081B EPA 608.3
Heptachlor epoxide	EPA 8081B EPA 608.3
Isodrin	EPA 8270E
Kepone	EPA 8270E
Lindane	EPA 8081B EPA 608.3
Methoxychlor	EPA 8081B EPA 608.3
Mirex	EPA 8081B EPA 608.3
PCNB	EPA 8270E
Chlorinated Hydrocarbon Pesticides	
Toxaphene	EPA 8081B EPA 608.3
Chlorinated Hydrocarbons	
1,2,3-Trichlorobenzene	EPA 8260D
1,2,4,5-Tetrachlorobenzene	EPA 8270E
1,2,4-Trichlorobenzene	EPA 625.1 EPA 8270E
2-Chloronaphthalene	EPA 625.1 EPA 8270E
Hexachlorobenzene	EPA 625.1 EPA 8270E
Hexachlorobutadiene	EPA 625.1 EPA 8270E
Hexachlorocyclopentadiene	EPA 625.1 EPA 8270E
Hexachloroethane	EPA 8260D EPA 625.1 EPA 8270E
Hexachloropropene	EPA 8270E
Pentachlorobenzene	EPA 8270E
Chlorophenoxy Acid Pesticides	
2,4,5-TP (Silvex)	EPA 8151A
2,4-D	EPA 8151A

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Metals I		Metals I	
Calcium, Total	EPA 6010D EPA 6020B EPA 200.8, Rev. 5.4 (1994) EPA 200.7, Rev. 4.4 (1994) EPA 6010D EPA 6020B EPA 200.8, Rev. 5.4 (1994) EPA 200.7, Rev. 4.4 (1994) EPA 6010D EPA 6020B EPA 200.8, Rev. 5.4 (1994) EPA 200.7, Rev. 4.4 (1994)	Manganese, Total Nickel, Total	EPA 200.8, Rev. 5.4 (1994) EPA 200.7, Rev. 4.4 (1994) EPA 6010D EPA 6020B EPA 200.8, Rev. 5.4 (1994) EPA 200.7, Rev. 4.4 (1994) EPA 6010D EPA 6020B EPA 200.8, Rev. 5.4 (1994) EPA 200.7, Rev. 4.4 (1994)
Chromium, Total		Potassium, Total	EPA 6010D EPA 6020B EPA 200.8, Rev. 5.4 (1994) EPA 200.7, Rev. 4.4 (1994)
Copper, Total		Silver, Total	EPA 6010D EPA 6020B EPA 200.8, Rev. 5.4 (1994) EPA 200.7, Rev. 4.4 (1994)
Iron, Total		Sodium, Total	EPA 6010D EPA 6020B EPA 200.8, Rev. 5.4 (1994) EPA 200.7, Rev. 4.4 (1994)
Lead, Total		Strontium, Total	EPA 6010D EPA 6020B EPA 200.8, Rev. 5.4 (1994) EPA 200.7, Rev. 4.4 (1994)
Magnesium, Total		Metals II	
Manganese, Total		Aluminum, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010D EPA 6020B EPA 200.8, Rev. 5.4 (1994) EPA 200.7, Rev. 4.4 (1994)
		Antimony, Total	EPA 6010D EPA 6020B EPA 200.8, Rev. 5.4 (1994) EPA 200.7, Rev. 4.4 (1994)

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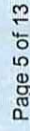
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Metals II			
Antimony, Total	EPA 6010D EPA 6020B EPA 200.8, Rev. 5.4 (1994) EPA 200.7, Rev. 4.4 (1994)	Zinc, Total	EPA 6020B EPA 200.8, Rev. 5.4 (1994)
Arsenic, Total	EPA 6010D EPA 6020B EPA 200.8, Rev. 5.4 (1994) EPA 200.7, Rev. 4.4 (1994)	Metals III	
Beryllium, Total	EPA 6010D EPA 6020B EPA 200.8, Rev. 5.4 (1994) EPA 200.7, Rev. 4.4 (1994)	Cobalt, Total	EPA 200.7, Rev. 4.4 (1994)
Chromium VI	EPA 6010D EPA 6020B EPA 200.8, Rev. 5.4 (1994)	Gold, Total	EPA 6010D
Mercury, Total	EPA 7196A SM 3500-Cr B-2011 EPA 245.1, Rev. 3.0 (1994) EPA 7470A SM 3112B-2011	Molybdenum, Total	EPA 6010D EPA 6020B EPA 200.7, Rev. 5.4 (1994)
Selenium, Total	EPA 200.7, Rev. 4.4 (1994) EPA 6010D EPA 6020B EPA 200.8, Rev. 5.4 (1994) EPA 200.7, Rev. 4.4 (1994)	Palladium, Total	SM 3111B-2011
Vanadium, Total	EPA 6010D EPA 6020B EPA 200.8, Rev. 5.4 (1994) EPA 200.7, Rev. 4.4 (1994)	Platinum, Total	SM 3111B-2011
Zinc, Total	EPA 6010D EPA 6020B EPA 200.8, Rev. 5.4 (1994) EPA 200.7, Rev. 4.4 (1994)	Thallium, Total	EPA 200.7, Rev. 4.4 (1994)
		Tin, Total	EPA 6010D EPA 6020B EPA 200.8, Rev. 5.4 (1994) EPA 200.7, Rev. 4.4 (1994)
		Titanium, Total	EPA 6010D EPA 6020B EPA 200.8, Rev. 5.4 (1994) EPA 200.7, Rev. 4.4 (1994)

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Metals III	Titanium, Total	EPA 200.8, Rev. 5.4 (1994)	Miscellaneous	EPA 9065
	Uranium (Mass)	EPA 200.8, Rev. 5.4 (1994)	Phenols	EPA 200.7, Rev. 4.4 (1994)
Mineral	Acidity	SM 2310B-2011	Specific Conductance	EPA 120.1 (Rev. 1982)
	Alkalinity	SM 2320B-2011		SM 2510B-2011
	Chloride	EPA 300.0, Rev. 2.1 (1993)	Sulfide (as S)	EPA 9050A
		EPA 9056A		EPA 9034
Fluoride, Total		EPA 300.0, Rev. 2.1 (1993)	Surfactant (MBAS)	SM 4500-S2- D-2011
		EPA 9056A	Turbidity	SM 5540C-2011
				SM 2130 B-2011
Hardness, Total		EPA 200.7, Rev. 4.4 (1994)	Nitroaromatics and Isophorone	
	Sulfate (as SO4)	EPA 300.0, Rev. 2.1 (1993)		EPA 8270E
		EPA 9056A		EPA 8270E
				EPA 8270E
Miscellaneous	Boron, Total	EPA 200.7, Rev. 4.4 (1994)		EPA 625.1
		EPA 6010D		EPA 8270E
		EPA 6020B		EPA 625.1
	Bromide	EPA 300.0, Rev. 2.1 (1993)		EPA 8270E
Color		EPA 9056A		EPA 625.1
	Cyanide, Total	SM 2120B-2011		EPA 8270E
		EPA 9014		EPA 625.1
		SM 4500-CN E-2011		EPA 8270E
non-Polar Extractable Material (TPH)		EPA 1664A	Nitrobenzene	
	Oil and Grease Total Recoverable (HEM)	EPA 1664A		Isophorone
	Organic Carbon, Total	SM 5310C-2011		
	Phenols	EPA 420.1 (Rev. 1978)		
Serial No.: 62815			Nitrosoamines	
				EPA 8270E
				EPA 625.1
				EPA 8270E

Serial No.: 62815

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Nitrosoamines		Petroleum Hydrocarbons	
N-Nitrosodi-n-butylamine	EPA 8270E	Diesel Range Organics	EPA 8015D
N-Nitrosodi-n-propylamine	EPA 625.1	Gasoline Range Organics	EPA 8015D
N-Nitrosodiphenylamine	EPA 8270E	Phthalate Esters	EPA 625.1
	EPA 625.1		
	EPA 8270E		
N-nitrosomethylethylamine	Benzyl butyl phthalate		
N-nitrosomorpholine	Bis(2-ethylhexyl) phthalate		
N-Nitrosopyrrolidine	EPA 8270E	Diethyl phthalate	EPA 625.1
Nutrient	Ammonia (as N)	Dimethyl phthalate	EPA 8270E
		Kjeldahl Nitrogen, Total	EPA 625.1
		Nitrate (as N)	EPA 8270E
		Nitrite (as N)	EPA 625.1
		Orthophosphate (as P)	EPA 8270E
Phosphorus, Total	SM 4500-P E-2011	Polychlorinated Biphenyls	EPA 8082A
Organophosphate Pesticides	EPA 8270E	Aroclor 1221 (PCB-1221)	EPA 608.3
		Aroclor 1232 (PCB-1232)	EPA 8082A
		Aroclor 1242 (PCB-1242)	EPA 608.3
		Aroclor 1248 (PCB-1248)	EPA 8082A
			EPA 608.3

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Polychlorinated Biphenyls		Polynuclear Aromatics	
Aroclor 1248 (PCB-1248)	EPA 608.3	2-Acetylaminofluorene	EPA 8270E
Aroclor 1254 (PCB-1254)	EPA 8082A	3-Methylcholanthrene	EPA 8270E
	EPA 608.3	7,12-Dimethylbenzyl (a) anthracene	EPA 8270E
Aroclor 1260 (PCB-1260)	EPA 8082A	Acenaphthene	EPA 625.1
	EPA 608.3	Acenaphthylene	EPA 8270E
Aroclor 1262 (PCB-1262)	EPA 8082A	Anthracene	EPA 625.1
Aroclor 1268 (PCB-1268)	EPA 8082A	Benzo(a)anthracene	EPA 8270E
PCB 1	EPA 8082A	Benzo(a)pyrene	EPA 625.1
PCB 101	EPA 8082A	Benzo(b)fluoranthene	EPA 8270E
PCB 110	EPA 8082A	Benzo(g,h,i)perylene	EPA 625.1
PCB 138	EPA 8082A	Benzo(k)fluoranthene	EPA 8270E
PCB 141	EPA 8082A	Chrysene	EPA 625.1
PCB 151	EPA 8082A	Dibenzo(a,h)anthracene	EPA 8270E
PCB 153	EPA 8082A	Fluoranthene	EPA 625.1
PCB 170	EPA 8082A	Fluorene	EPA 8270E
PCB 18	EPA 8082A		EPA 625.1
PCB 180	EPA 8082A		
PCB 183	EPA 8082A		
PCB 187	EPA 8082A		
PCB 206	EPA 8082A		
PCB 31	EPA 8082A		
PCB 44	EPA 8082A		
PCB 5	EPA 8082A		
PCB 52	EPA 8082A		
PCB 66	EPA 8082A		
PCB 87	EPA 8082A		

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ENVIRONMENTAL ANALYSES NON POTABLE WATER*

All approved analytes are listed below:

Semi-Volatile Organics		Volatile Aromatics	
1,2-Dichlorobenzene, Semi-volatile	EPA 8270E	1,3,5-Trimethylbenzene	EPA 8260D
1,3-Dichlorobenzene, Semi-volatile	EPA 8270E	1,3-Dichlorobenzene	EPA 8260D
1,4-Dichlorobenzene, Semi-volatile	EPA 8270E		EPA 624.1
2-Methylnaphthalene	EPA 8270E	1,4-Dichlorobenzene	EPA 8260D
4-Amino biphenyl	EPA 8270E		EPA 624.1
Acetophenone	EPA 8270E	2-Chlorotoluene	EPA 8260D
Aramite	EPA 8270E	4-Chlorotoluene	EPA 8260D
Benzaldehyde	EPA 8270E	Benzene	EPA 8260D
Benzoic Acid	EPA 8270E		EPA 624.1
Caprolactam	EPA 8270E	Bromobenzene	EPA 8260D
Dibenzofuran	EPA 8270E	Chlorobenzene	EPA 8260D
Ethyl methanesulfonate	EPA 8270E		EPA 624.1
Isosafrole	EPA 8270E	Ethyl benzene	EPA 8260D
Methyl methanesulfonate	EPA 8270E		EPA 624.1
n-Decane	EPA 625.1	Isopropylbenzene	EPA 8260D
n-Octadecane	EPA 625.1	m/p-Xylenes	EPA 8260D
O,O,O- Triethyl phosphorothioate	EPA 8270E		EPA 624.1
p-Dimethylaminoazobenzene	EPA 8270E	Naphthalene, Volatile	EPA 8260D
Phenacetin	EPA 8270E	n-Butylbenzene	EPA 8260D
Safrole	EPA 8270E	n-Propylbenzene	EPA 8260D
		o-Xylene	EPA 8260D
			EPA 624.1
		p-Isopropyltoluene (P-Cymene)	EPA 8260D
		sec-Butylbenzene	EPA 8260D
		Styrene	EPA 8260D
			EPA 624.1

Serial No.: 62815

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CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

MR. PHILLIP M. WORBY
EMSL ANALYTICAL INC
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2016) for the category ENVIRONMENTAL ANALYSES NON POTABLE WATER

All approved analytes are listed below:

Serial No.: 62815

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



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MR. PHILLIP M. WORBY
EMSL ANALYTICAL INC
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077

NY Lab Id No: 10872

is hereby APPROVED as an Environmental Laboratory in conformance with the
National Environmental Laboratory Accreditation Conference Standards (2016) for the category
ENVIRONMENTAL ANALYSES NON POTABLE WATER

All approved analytes are listed below:

Sample Preparation Methods

SM 4500-N Org B-2011 or C-2011
EPA 9010C



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ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:*

Acrylates	EPA 8260D	Characteristic Testing	EPA 1311
Acrolein (Propenal)	EPA 8260D	TCLP	
Acrylonitrile		Chlorinated Hydrocarbon Pesticides	
Amines		4,4'-DDD	EPA 8081B
1,2-Diphenylhydrazine	EPA 8270E	4,4'-DDE	EPA 8081B
1-Naphthylamine	EPA 8270E	4,4'-DDT	EPA 8081B
2-Naphthylamine	EPA 8270E	Aldrin	EPA 8081B
3-Nitroaniline	EPA 8270E	alpha-BHC	EPA 8081B
4-Chloroaniline	EPA 8270E	alpha-Chlordane	EPA 8081B
4-Nitroaniline	EPA 8270E	beta-BHC	EPA 8081B
5-Nitro-o-toluidine	EPA 8270E	Chlordane Total	EPA 8081B
a,a-Dimethylphenethylamine	EPA 8270E	Chlorobenzilate	EPA 8270E
Aniline	EPA 8270E	delta-BHC	EPA 8081B
Carbazole	EPA 8270E	Dieldrin	EPA 8081B
Diphenylamine	EPA 8270E	Endosulfan I	EPA 8081B
Pronamide	EPA 8270E	Endosulfan II	EPA 8081B
Benzidines		Endosulfan sulfate	EPA 8081B
3,3'-Dichlorobenzidine	EPA 8270E	Endrin	EPA 8081B
3,3'-Dimethylbenzidine	EPA 8270E	Endrin aldehyde	EPA 8081B
Benzidine	EPA 8270E	Endrin Ketone	EPA 8081B
Characteristic Testing		gamma-Chlordane	EPA 8081B
Corrosivity (pH)	EPA 9045D	Heptachlor	EPA 8081B
Free Liquids	EPA 9095B	Heptachlor epoxide	EPA 8081B
Ignitability	EPA 1010A	Isodrin	EPA 8270E
Synthetic Precipitation Leaching Proc.	EPA 1312	Kepone	EPA 8270E
		Lindane	EPA 8081B

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Chlorinated Hydrocarbon Pesticides		Low Level Polynuclear Aromatic Hydrocarbons	
Methoxychlor	EPA 8081B	Acenaphthylene Low Level	EPA 8270E SIM
Pentachloronitrobenzene	EPA 8270E	Anthracene Low Level	EPA 8270E SIM
Toxaphene	EPA 8081B	Benzo(a)anthracene Low Level	EPA 8270E SIM
Chlorinated Hydrocarbons		Benzo(a)pyrene Low Level	EPA 8270E SIM
1,2,3-Trichlorobenzene	EPA 8260D	Benzo(b)fluoranthene Low Level	EPA 8270E SIM
1,2,4,5-Tetrachlorobenzene	EPA 8270E	Benzo(g,h,i)perylene Low Level	EPA 8270E SIM
1,2,4-Trichlorobenzene	EPA 8270E	Benzo(k)fluoranthene Low Level	EPA 8270E SIM
2-Chloronaphthalene	EPA 8270E	Chrysene Low Level	EPA 8270E SIM
Hexachlorobenzene	EPA 8270E	Dibenzo(a,h)anthracene Low Level	EPA 8270E SIM
Hexachlorobutadiene	EPA 8270E	Fluoranthene Low Level	EPA 8270E SIM
Hexachlorocyclopentadiene	EPA 8270E	Fluorene Low Level	EPA 8270E SIM
Hexachloroethane	EPA 8260D	Indeno(1,2,3-cd)pyrene Low Level	EPA 8270E SIM
Haloethers		Naphthalene Low Level	EPA 8270E SIM
Hexachlorophene	EPA 8270E	Phenanthrene Low Level	EPA 8270E SIM
Hexachloropropene	EPA 8270E	Pyrene Low Level	EPA 8270E SIM
Pentachlorobenzene	EPA 8270E	Metals I	
Haloethers		Barium, Total	EPA 6010D
2,2'-Oxybis(1-chloropropane)	EPA 8270E	Cadmium, Total	EPA 6020B
4-Bromophenylphenyl ether	EPA 8270E	Calcium, Total	EPA 6010D
4-Chlorophenylphenyl ether	EPA 8270E	Chromium, Total	EPA 6020B
Bis(2-chloroethoxy)methane	EPA 8270E	Copper, Total	EPA 6010D
Bis(2-chloroethyl)ether	EPA 8270E		EPA 6020B
Low Level Polynuclear Aromatic Hydrocarbons			EPA 6010D
Acenaphthene Low Level	EPA 8270E SIM		

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NY Lab Id No: 10872

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National Environmental Laboratory Accreditation Conference Standards (2016) for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE*

All approved analytes are listed below:

Metals I		Metals II	
Copper, Total	EPA 6020B	Arsenic, Total	EPA 6020B
Iron, Total	EPA 6010D	Beryllium, Total	EPA 6010D
	EPA 6020B		EPA 6020B
Lead, Total	EPA 6010D	Chromium VI	EPA 7196A
	EPA 6020B	Lithium, Total	EPA 6010D
	EPA 7000B	Mercury, Total	EPA 7471B
Magnesium, Total	EPA 6010D	Selenium, Total	EPA 6010D
	EPA 6020B		EPA 6020B
Manganese, Total	EPA 6010D	Vanadium, Total	EPA 6010D
	EPA 6020B		EPA 6020B
Nickel, Total	EPA 6010D	Zinc, Total	EPA 6010D
	EPA 6020B		EPA 6020B
Potassium, Total	EPA 6010D		
	EPA 6020B	Metals III	
Silver, Total	EPA 6010D	Cobalt, Total	EPA 6010D
	EPA 6020B		EPA 6020B
Sodium, Total	EPA 6020B	Molybdenum, Total	EPA 6010D
Strontium, Total	EPA 6010D		EPA 6020B
	EPA 6010D	Thallium, Total	EPA 6010D
	EPA 6020B		EPA 6020B
Metals II		Tin, Total	EPA 6010D
Aluminum, Total	EPA 6010D		EPA 6020B
	EPA 6020B	Titanium, Total	EPA 6010D
Antimony, Total	EPA 6010D		EPA 6020B
	EPA 6020B	Minerals	
Arsenic, Total	EPA 6010D	Bromide	EPA 9056A

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Minerals		Nitrosoamines	
Chloride	EPA 9056A	N-Nitrosodiphenylamine	EPA 8270E
Fluoride, Total	EPA 9056A	N-nitrosomethylethylamine	EPA 8270E
Sulfate (as SO ₄)	EPA 9056A	N-nitrosomorpholine	EPA 8270E
Miscellaneous		N-Nitrosopyrrolidine	EPA 8270E
Boron, Total	EPA 6010D	Nutrients	
	EPA 6020B	Nitrate (as N)	EPA 9056A
Cyanide, Total	EPA 9014	Nitrite (as N)	EPA 9056A
Phenols	EPA 9065	Orthophosphate (as P)	EPA 9056A
Sulfide (as S)	EPA 9034	Petroleum Hydrocarbons	
Nitroaromatics and Isophorone		Diesel Range Organics	EPA 8015D
1,3,5-Trinitrobenzene	EPA 8270E	Gasoline Range Organics	EPA 8015D
1,3-Dinitrobenzene	EPA 8270E	Oil and Grease Total Recoverable (HEM)	EPA 9071B (Solvent:Hexane)
1,4-Naphthoquinone	EPA 8270E	Phthalate Esters	
2,4-Dinitrotoluene	EPA 8270E	Benzyl butyl phthalate	EPA 8270E
2,6-Dinitrotoluene	EPA 8270E	Bis(2-ethylhexyl) phthalate	EPA 8270E
4-Nitroquinoline-1-oxide	EPA 8270E	Diethyl phthalate	EPA 8270E
Isophorone	EPA 8270E	Dimethyl phthalate	EPA 8270E
Nitrobenzene	EPA 8260D	Di-n-butyl phthalate	EPA 8270E
	EPA 8270E	Di-n-octyl phthalate	EPA 8270E
Nitrosoamines		Polychlorinated Biphenyls	
N-Nitrosodiethylamine	EPA 8270E	Aroclor 1016 (PCB-1016)	EPA 8082A
N-Nitrosodimethylamine	EPA 8270E	Aroclor 1221 (PCB-1221)	EPA 8082A
N-Nitrosodi-n-butylamine	EPA 8270E	Aroclor 1232 (PCB-1232)	EPA 8082A
N-Nitrosodi-n-propylamine	EPA 8270E	Aroclor 1242 (PCB-1242)	EPA 8082A

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ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
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Polychlorinated Biphenyls		Polynuclear Aromatic Hydrocarbons	
Aroclor 1248 (PCB-1248)	EPA 8082A	2-Acetylaminofluorene	EPA 8270E
Aroclor 1254 (PCB-1254)	EPA 8082A	Acenaphthene	EPA 8270E
Aroclor 1260 (PCB-1260)	EPA 8082A	Acenaphthylene	EPA 8270E
Aroclor 1262 (PCB-1262)	EPA 8082A	Anthracene	EPA 8270E
Aroclor 1268 (PCB-1268)	EPA 8082A	Benzo(a)anthracene	EPA 8270E
PCB 1	EPA 8082A	Benzo(a)pyrene	EPA 8270E
PCB 101	EPA 8082A	Benzo(b)fluoranthene	EPA 8270E
PCB 110	EPA 8082A	Benzo(g,h,i)perylene	EPA 8270E
PCB 138	EPA 8082A	Benzo(k)fluoranthene	EPA 8270E
PCB 141	EPA 8082A	Chrysene	EPA 8270E
PCB 151	EPA 8082A	Dibenzo(a,h)anthracene	EPA 8270E
PCB 153	EPA 8082A	Fluoranthene	EPA 8270E
PCB 170	EPA 8082A	Fluorene	EPA 8270E
PCB 18	EPA 8082A	Indeno(1,2,3-cd)pyrene	EPA 8270E
PCB 180	EPA 8082A	Naphthalene	EPA 8270E
PCB 183	EPA 8082A	Phenanthrene	EPA 8270E
PCB 187	EPA 8082A	Pyrene	EPA 8270E
PCB 206	EPA 8082A		
PCB 31	EPA 8082A	Priority Pollutant Phenols	
PCB 44	EPA 8082A	2,3,4,6 Tetrachlorophenol	EPA 8270E
PCB 5	EPA 8082A	2,4,5-Trichlorophenol	EPA 8270E
PCB 52	EPA 8082A	2,4,6-Trichlorophenol	EPA 8270E
PCB 66	EPA 8082A	2,4-Dichlorophenol	EPA 8270E
PCB 87	EPA 8082A	2,4-Dimethylphenol	EPA 8270E
		2,4-Dinitrophenol	EPA 8270E
		2,6-Dichlorophenol	EPA 8270E

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Priority Pollutant Phenols		Semi-Volatile Organics
2-Chlorophenol	EPA 8270E	Ethyl methanesulfonate EPA 8270E
2-Methyl-4,6-dinitrophenol	EPA 8270E	Methyl methanesulfonate EPA 8270E
2-Methylphenol	EPA 8270E	Phenacetin EPA 8270E
2-Nitrophenol	EPA 8270E	Safrrole EPA 8270E
3-Methylphenol	EPA 8270E	
4-Chloro-3-methylphenol	EPA 8270E	Volatile Aromatics
4-Methylphenol	EPA 8270E	1,2,4-Trichlorobenzene, Volatile EPA 8260D
4-Nitrophenol	EPA 8270E	1,2,4-Trimethylbenzene EPA 8260D
Pentachlorophenol	EPA 8270E	1,2-Dichlorobenzene EPA 8260D
Phenol	EPA 8270E	1,3,5-Trimethylbenzene EPA 8260D
		1,3-Dichlorobenzene EPA 8260D
		1,4-Dichlorobenzene EPA 8260D
		2-Chlorotoluene EPA 8260D
		4-Chlorotoluene EPA 8260D
		Benzene EPA 8260D
		Bromobenzene EPA 8260D
		Chlorobenzene EPA 8260D
		Ethyl benzene EPA 8260D
		Isopropylbenzene EPA 8260D
		m/p-Xylenes EPA 8260D
		Naphthalene, Volatile EPA 8260D
		n-Butylbenzene EPA 8260D
		n-Propylbenzene EPA 8260D
		o-Xylene EPA 8260D
		p-Isopropyltoluene (P-Cymene) EPA 8260D
		sec-Butylbenzene EPA 8260D
Semi-Volatile Organics		
1,1'-Biphenyl	EPA 8270E	
1,2-Dichlorobenzene, Semi-volatile	EPA 8270E	
1,3-Dichlorobenzene, Semi-volatile	EPA 8270E	
1,4-Dichlorobenzene, Semi-volatile	EPA 8270E	
2-Methylnaphthalene	EPA 8270E	
2-Picoline	EPA 8270E	
4-Amino biphenyl	EPA 8270E	
Acetophenone	EPA 8270E	
Aramite	EPA 8270E	
Benzaldehyde	EPA 8270E	
Benzoic Acid	EPA 8270E	
Benzyl alcohol	EPA 8270E	
Caprolactam	EPA 8270E	
Dibenzofuran	EPA 8270E	

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Volatile Aromatics	EPA 8260D	Volatile Halocarbons	EPA 8260D
Styrene	EPA 8260D	Carbon tetrachloride	EPA 8260D
tert-Butylbenzene	EPA 8260D	Chloroethane	EPA 8260D
Toluene	EPA 8260D	Chloroform	EPA 8260D
Total Xylenes	EPA 8260D	Chloromethane	EPA 8260D
Volatile Halocarbons		cis-1,2-Dichloroethene	EPA 8260D
1,1,1,2-Tetrachloroethane	EPA 8260D	cis-1,3-Dichloropropene	EPA 8260D
1,1,1-Trichloroethane	EPA 8260D	Dibromochloromethane	EPA 8260D
1,1,2,2-Tetrachloroethane	EPA 8260D	Dibromomethane	EPA 8260D
1,1,2-Trichloro-1,2,2-Trifluoroethane	EPA 8260D	Dichlorodifluoromethane	EPA 8260D
1,1,2-Trichloroethane	EPA 8260D	Hexachlorobutadiene, Volatile	EPA 8260D
1,1-Dichloroethane	EPA 8260D	Methyl iodide	EPA 8260D
1,1-Dichloroethene	EPA 8260D	Methylene chloride	EPA 8260D
1,1-Dichloropropene	EPA 8260D	Tetrachloroethene	EPA 8260D
1,2,3-Trichloropropene	EPA 8260D	trans-1,2-Dichloroethene	EPA 8260D
1,2-Dibromo-3-chloropropane	EPA 8260D	trans-1,3-Dichloropropene	EPA 8260D
1,2-Dibromoethane	EPA 8260D	trans-1,4-Dichloro-2-butene	EPA 8260D
1,2-Dichloroethane	EPA 8260D	Trichloroethene	EPA 8260D
1,2-Dichloropropene	EPA 8260D	Trichlorofluoromethane	EPA 8260D
1,3-Dichloropropane	EPA 8260D	Vinyl chloride	EPA 8260D
2,2-Dichloropropane	EPA 8260D	Volatile Organics	
2-Chloroethylvinyl ether	EPA 8260D	2-Butanone (Methylethyl ketone)	EPA 8260D
Bromochloromethane	EPA 8260D	2-Hexanone	EPA 8260D
Bromodichloromethane	EPA 8260D	4-Methyl-2-Pentanone	EPA 8260D
Bromoform	EPA 8260D	Acetone	EPA 8260D
Bromomethane	EPA 8260D	Acetonitrile	EPA 8260D

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Volatile Organics

Carbon Disulfide	EPA 8260D
Ethylene Glycol	EPA 8015C
Methyl acetate	EPA 8260D
Methyl tert-butyl ether	EPA 8260D
o-Toluidine	EPA 8270E
tert-butyl alcohol	EPA 8260D
Vinyl acetate	EPA 8260D

Sample Preparation Methods

EPA 5035A-L
EPA 5035A-H
EPA 9030B
EPA 3010A
EPA 3005A
EPA 3050B
EPA 3550C
EPA 3540C
EPA 3546
EPA 3051A
EPA 3585
EPA 3060A
EPA 3541
EPA 9010C

NEW YORK
STATE OF
OPPORTUNITY
Department
of Health

Serial No.: 62817

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.



NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2022
Issued April 01, 2021

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. PHILLIP M. WORBY
EMSL ANALYTICAL INC
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077

NY Lab Id No: 10872

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Miscellaneous

Asbestos in Friable Material	Item 198.1 of Manual EPA 600/IM4/82/020
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	Item 198.4 of Manual
Asbestos-Vermiculite-Containing Material	Item 198.8 of Manual
Lead in Dust Wipes	EPA 7000B
Lead in Paint	EPA 6010C EPA 7000B

Sample Preparation Methods

EPA 3050B
EPA 3051A

Department
of Health

NEW YORK
STATE OF
OPPORTUNITY

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NY Lab Id No: 10872

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National Environmental Laboratory Accreditation Conference Standards (2016) for the category
ENVIRONMENTAL ANALYSES AIR AND EMISSIONS
All approved analytes are listed below:*

Acrylates		Purgeable Aromatics	
Acetonitrile	EPA TO-15	2-Chlorotoluene	EPA TO-15
Acrylonitrile	EPA TO-15	Benzene	EPA TO-15
Ethyl acrylate	EPA TO-15	Chlorobenzene	EPA TO-15
Methyl methacrylate	EPA TO-15	Ethyl benzene	EPA TO-15
Chlorinated Hydrocarbons		Isopropylbenzene	EPA TO-15
Hexachlorobutadiene	EPA TO-15	m/p-Xylenes	EPA TO-15
Hexachloroethane	EPA TO-15	o-Xylene	EPA TO-15
Miscellaneous		Styrene	EPA TO-15
Formaldehyde	EPA TO-15	Toluene	EPA TO-15
Radon	Charcoal - Liquid Scintillation	Total Xylenes	EPA TO-15
Polychlorinated Biphenyls		Purgeable Halocarbons	
PCBs and Aroclors	EPA TO-10A EPA TO-4A	1,1,1-Trichloroethane	EPA TO-15
Polynuclear Aromatics		1,1,2,2-Tetrachloroethane	EPA TO-15
Naphthalene	EPA TO-15	1,1,2-Trichloro-1,2,2-Trifluoroethane	EPA TO-15
Priority Pollutant Phenols		1,1,2-Trichloroethane	EPA TO-15
Phenol	EPA TO-15	1,1-Dichloroethane	EPA TO-15
Purgeable Aromatics		1,1-Dichloroethene	EPA TO-15
1,2,4-Trimethylbenzene	EPA TO-15	1,2-Dibromo-3-chloropropane	EPA TO-15
1,2-Dichlorobenzene	EPA TO-15	1,2-Dibromoethane	EPA TO-15
1,3,5-Trimethylbenzene	EPA TO-15	1,2-Dichloroethane	EPA TO-15
1,3-Dichlorobenzene	EPA TO-15	1,2-Dichloropropane	EPA TO-15
1,4-Dichlorobenzene	EPA TO-15	3-Chloropropene (Allyl chloride)	EPA TO-15
		Bromodichloromethane	EPA TO-15
		Bromoform	EPA TO-15
		Bromomethane	EPA TO-15

Serial No.: 62819

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WADSWORTH CENTER



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MR. PHILLIP M. WORBY
EMSL ANALYTICAL INC
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077

NY Lab Id No: 10872

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National Environmental Laboratory Accreditation Conference Standards (2016) for the category
ENVIRONMENTAL ANALYSES AIR AND EMISSIONS
All approved analytes are listed below:*

Purgeable Halocarbons	Volatile Organics
Carbon tetrachloride	4-Methyl-2-Pentanone
Chloroethane	Acetaldehyde
Chloroform	Acetone
Chloromethane	Acrolein (Propenal)
cis-1,2-Dichloroethene	Carbon Disulfide
cis-1,3-Dichloropropene	Cyclohexane
Dibromochloromethane	Hexane
Dichlorodifluoromethane	Isopropanol
Methylene chloride	Methanol
Tetrachloroethene	Methyl iodide
trans-1,2-Dichloroethene	Methyl tert-butyl ether
trans-1,3-Dichloropropene	n-Heptane
Trichloroethene	Nitrobenzene
Trichlorofluoromethane	Propionaldehyde
Vinyl bromide	tert-butyl alcohol
Vinyl chloride	Vinyl acetate

Volatile Chlorinated Organics

Benzyl chloride
Epiclorohydrin

Volatile Organics

1,2-Dichlorotetrafluoroethane
1,3-Butadiene
1,4-Dioxane
2,2,4-Trimethylpentane
2-Butanone (Methylethyl ketone)

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WADSWORTH CENTER



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200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077

NY Lab Id No: 10872

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ENVIRONMENTAL ANALYSES AIR AND EMISSIONS
All approved subcategories and/or analytes are listed below:

Chlorinated Hydrocarbon Pesticides

Chlordane Total NIOSH 5510

Metals I

Lead, Total NIOSH 7082

Metals II

Mercury, Total 40 CFR PART 50 2013 APP G

Miscellaneous

Asbestos NIOSH 6009

Fibers

Particulate Matter
40 CFR 763 APX A No. III
YAMATE, AGARWAL GIBB
NIOSH 7402
NIOSH 7400 A RULES
40 CFR PART 50 APP B
40 CFR PART 50 APP J (PM10)

Polychlorinated Biphenyls

PCBs and Aroclors NIOSH 5503

Purgeable Aromatics

Benzene NIOSH 1501
Toluene NIOSH 1501
Total Xylenes NIOSH 1501

Sample Preparation Methods

40 CFR PART 50 APP G

Serial No.: 62820

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New York State – Department of Labor

Division of Safety and Health
License and Certificate Unit
State Campus, Building 12
Albany, NY 12240

ASBESTOS HANDLING LICENSE

LiRo Engineers, Inc.
690 Delaware Avenue
Buffalo, NY 14209

FILE NUMBER: 99-1147
LICENSE NUMBER: 28866
LICENSE CLASS: RESTRICTED
DATE OF ISSUE: 12/22/2020
EXPIRATION DATE: 12/31/2021

Duly Authorized Representative – Robert Kreuzer:

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

SH 432 (8/12)

Eileen M. Franko, Director
For the Commissioner of Labor

Eileen M. Franko

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



JOHN F SEWARD III

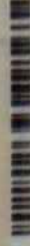
CLASS(EXPIRES)

C ATEC(02/22) D INSP(02/22)

H PM (02/22)

CERT# 15-20772
DMV# 323384175

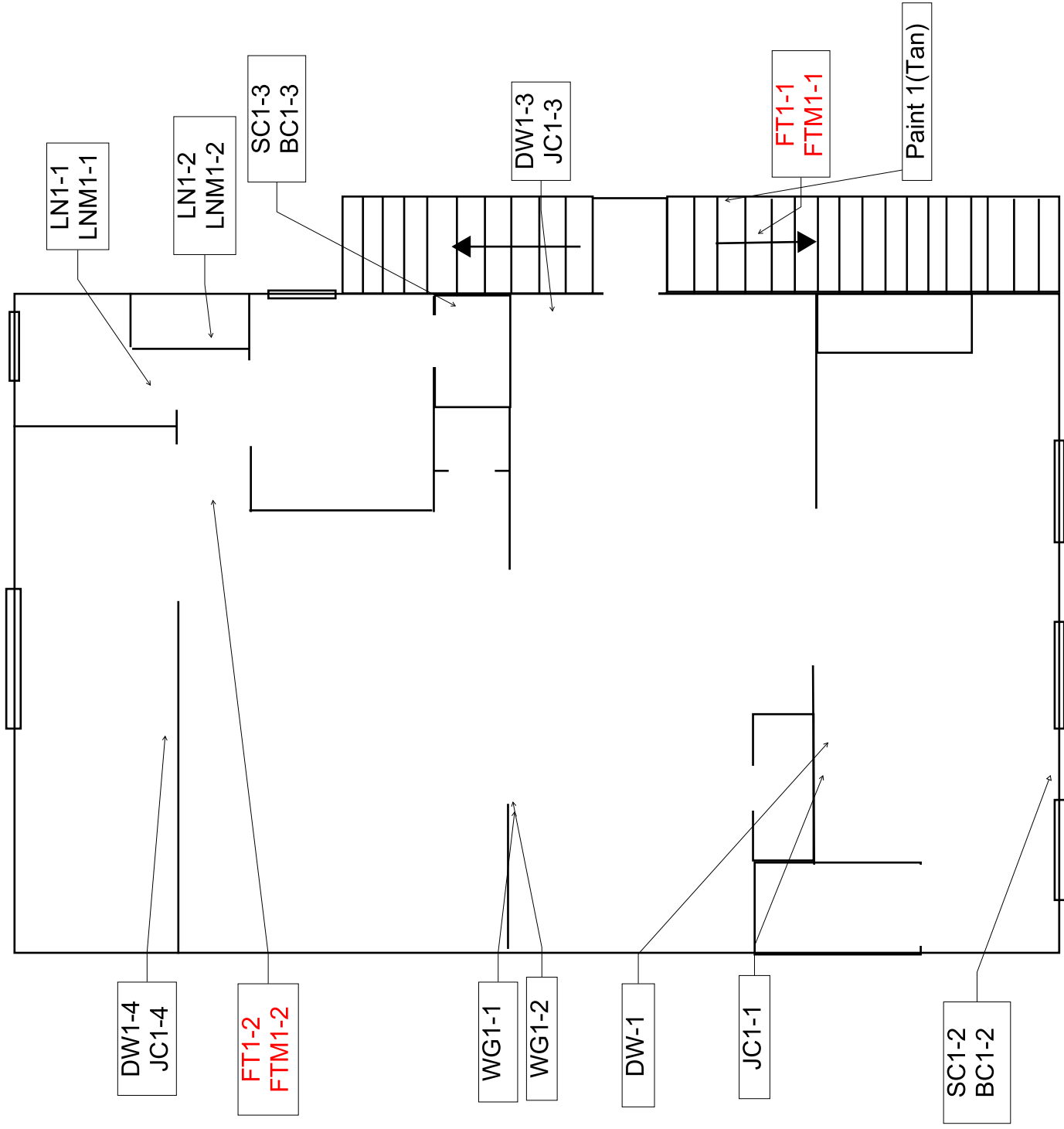
MUST BE CARRIED ON ASBESTOS PROJECTS



APPENDIX D:

BULK SAMPLE /ACM LOCATION DRAWINGS

SAMPLE LOCATION DRAWING- 58 CANAL STREET- 2nd FLOOR

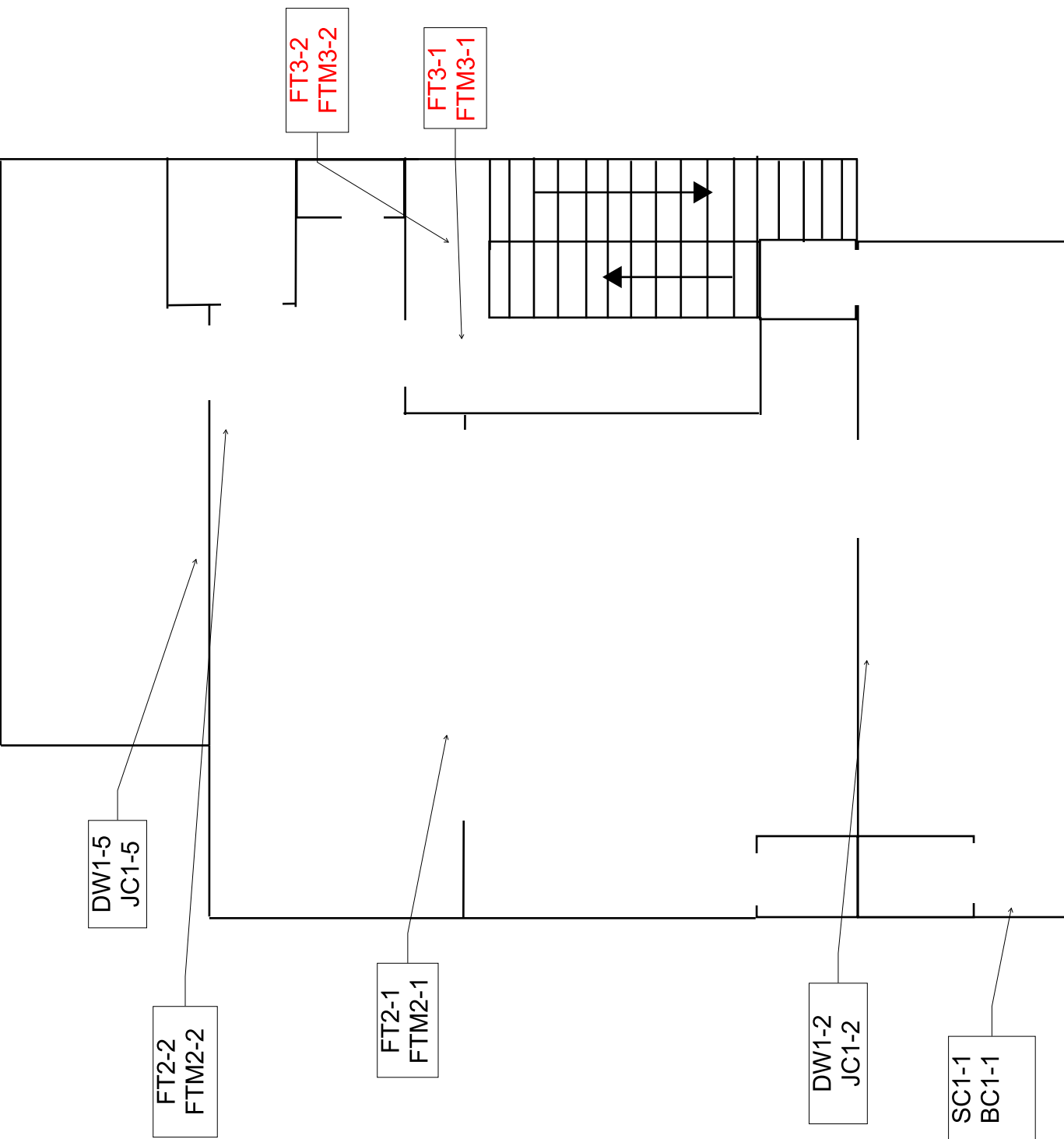


LEGEND

RED- Indicates Positive Sample

BLACK- Indicates Negative Sample

SAMPLE LOCATION DRAWING-58 CANAL STREET- 3rd FLOOR

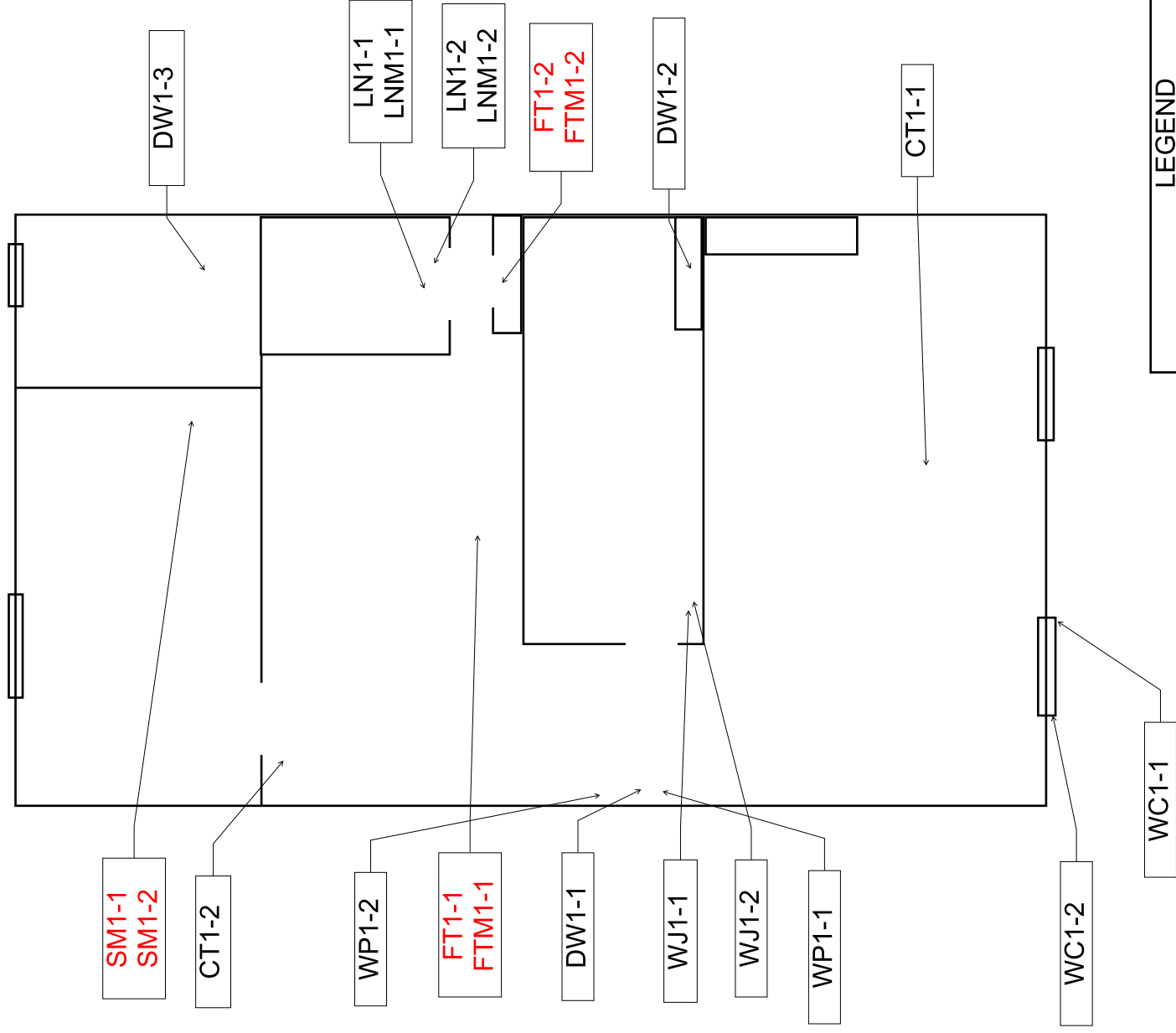


LEGEND

RED- Indicates Positive Sample

BLACK- Indicates Positive Sample

SAMPLE LOCATION DRAWING- 60 CANAL STREET

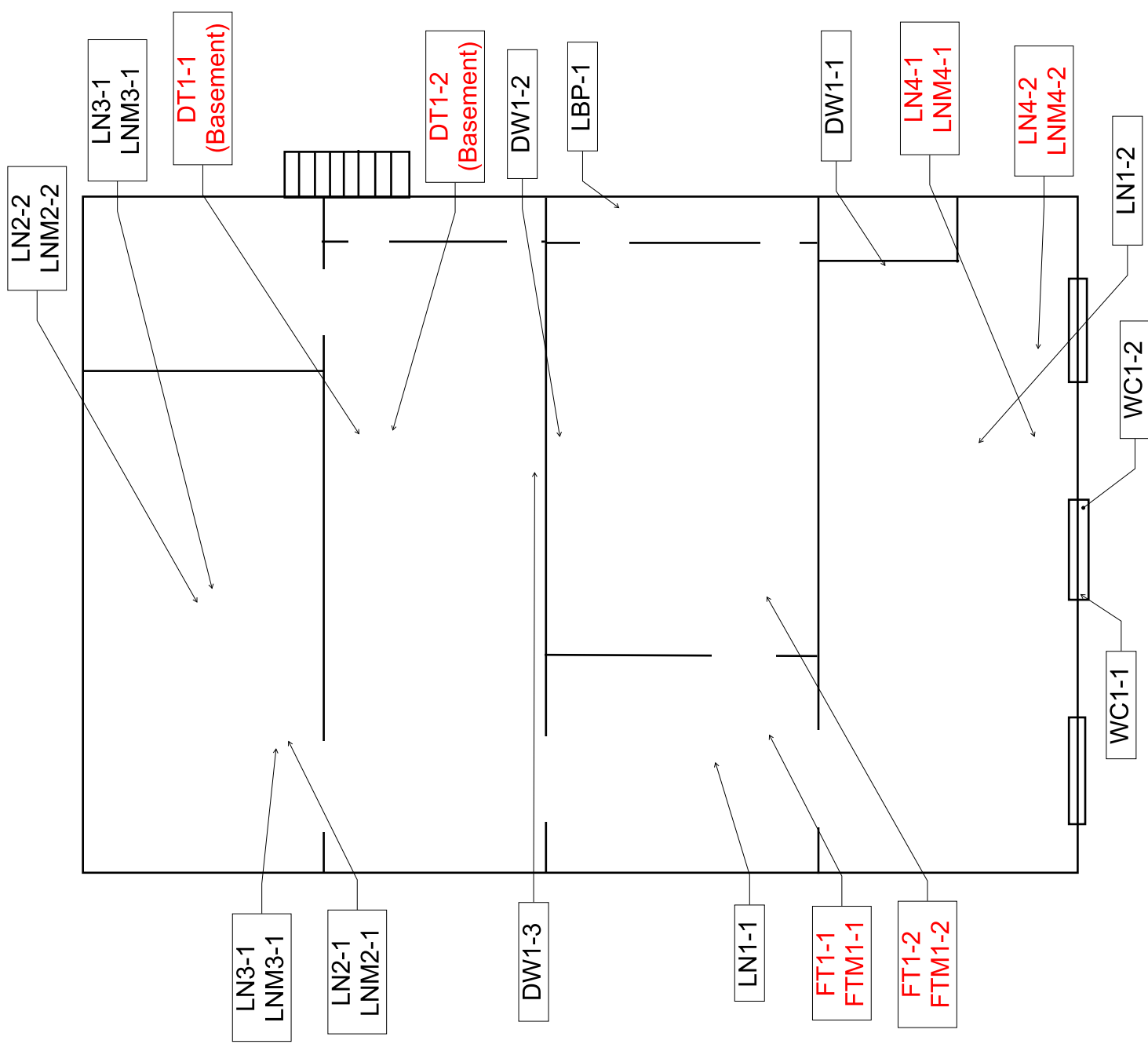


LEGEND

RED- Indicates Positive Sample

BLACK- Indicates Negative Sample

SAMPLE LOCTAION DRAWING- 62 CANAL STREET



LEGEND

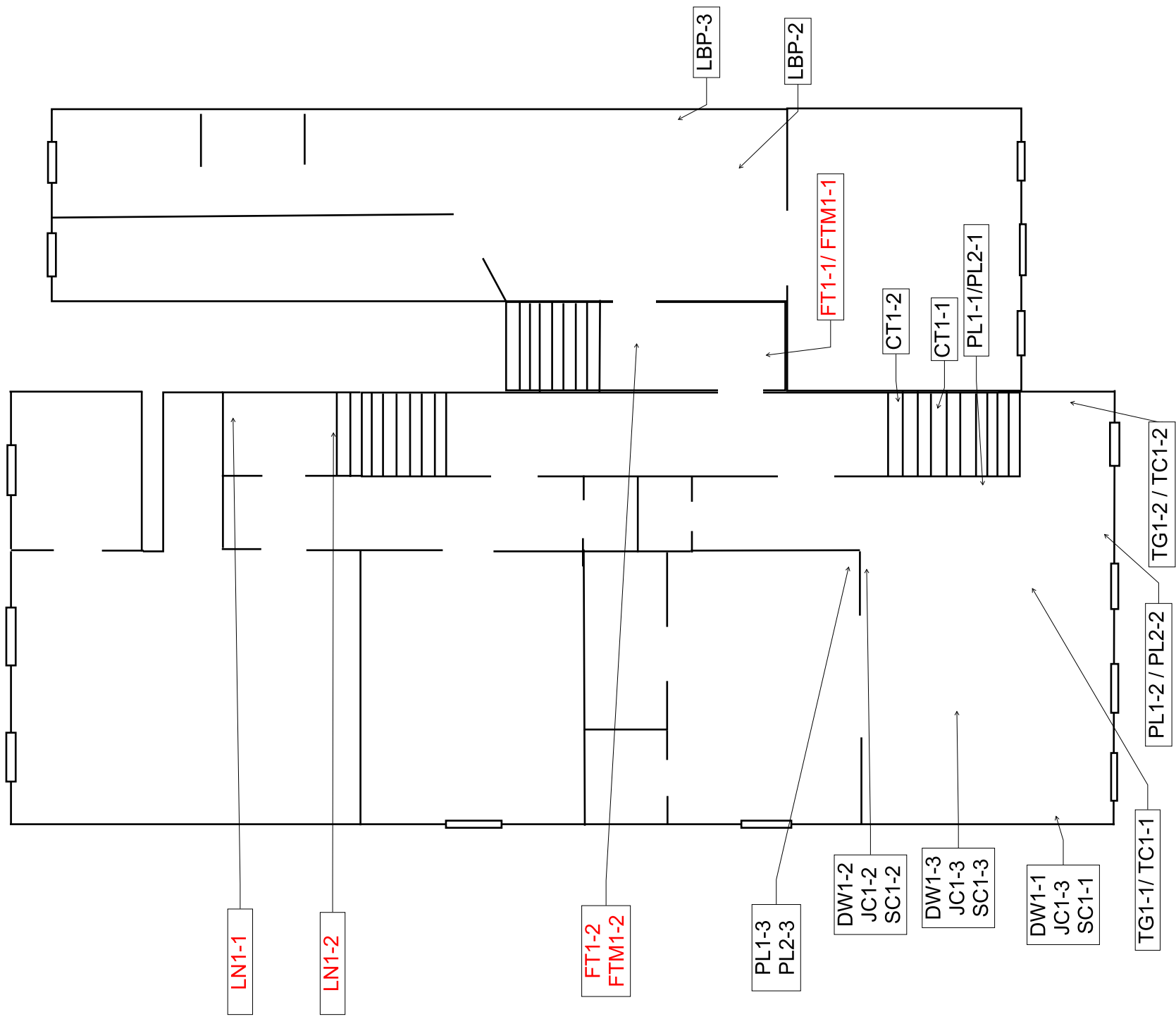
RED-Indicates Positive Sample

BLACK-Indicates Negative Sample

Legend

Red- Indicates Positive Sample

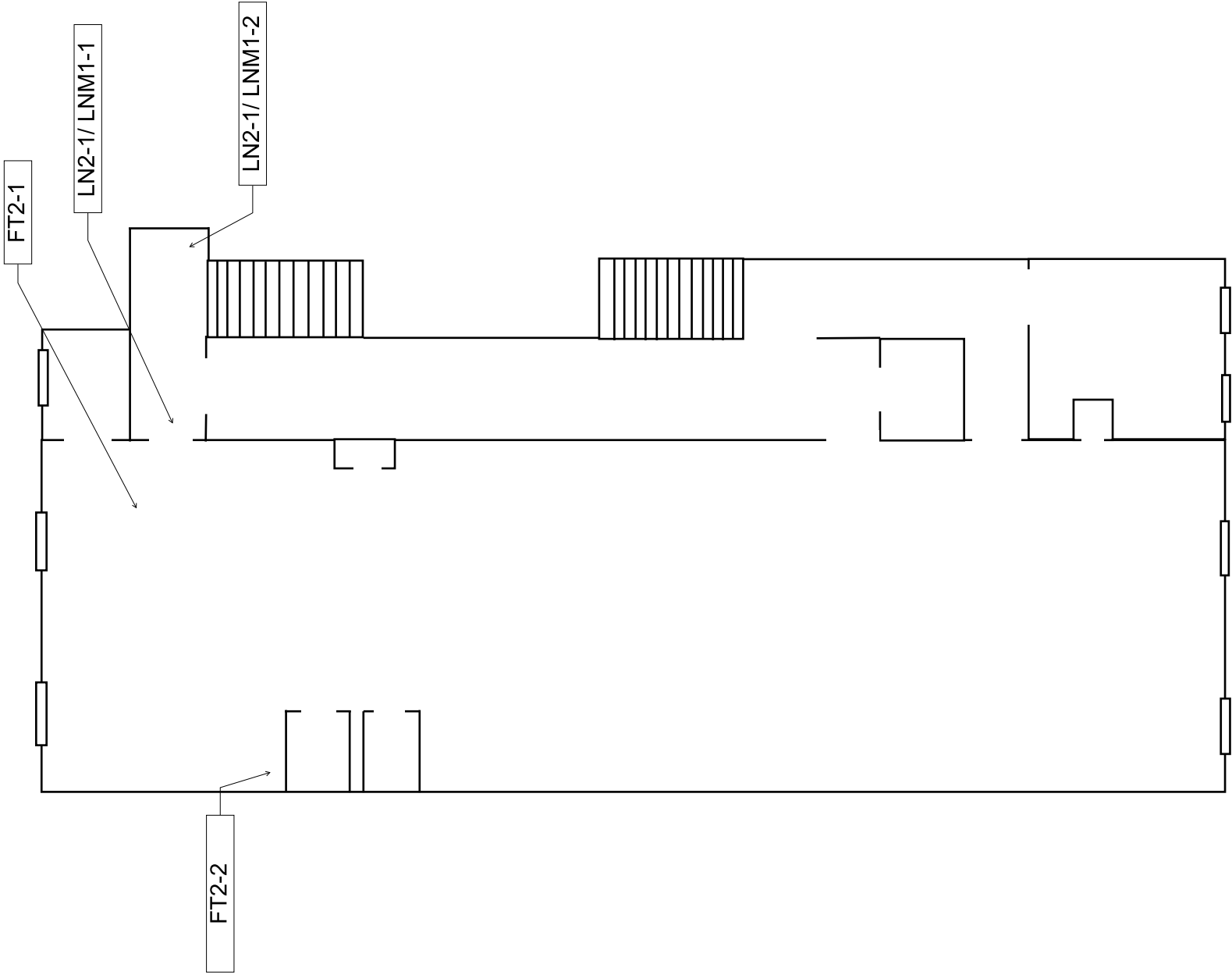
Black- Indicates Negative Sample



Legend

Red- Indicates Positive Sample

Black- Indicates Negative Sample



APPENDIX E:
PHOTOGRAPHIC LOG



Figure 1: Brown 9x9" Floor Tile & associated Black Mastic.



Figure 2: Tan Speckled 9x9" Floor Tile & associated Black Mastic.



Figure 3: White Duct Tape on vents in basement.



Figure 4: Black Sink Mastic



Figure 5: Red Linoleum & associated
Black Mastic.

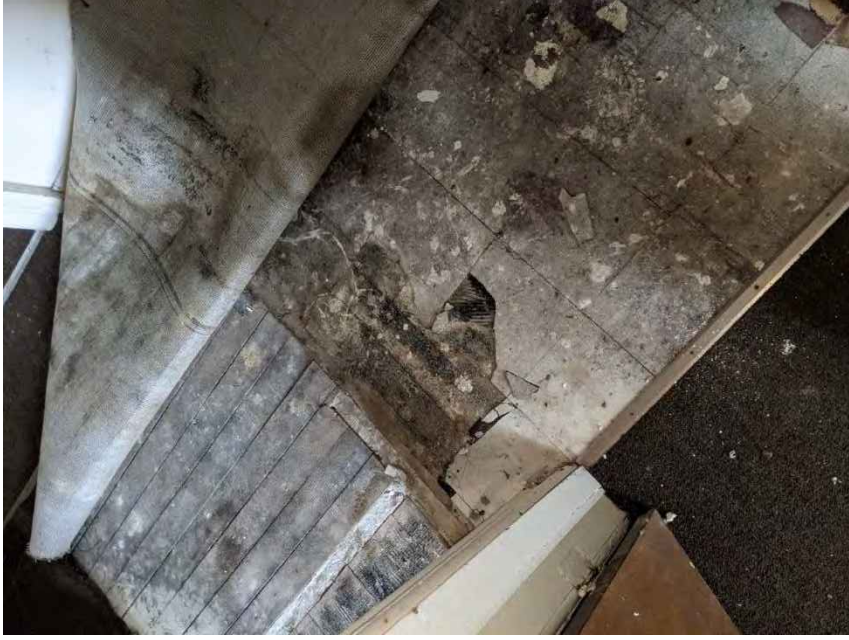


Figure 6: White 9x9" Floor Tile &
associated Black Mastic.

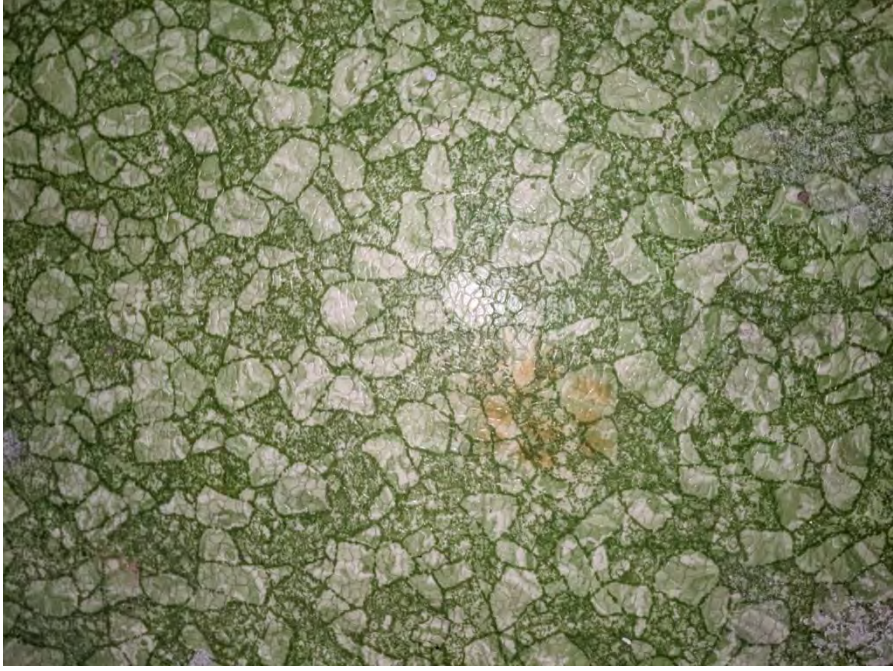


Figure 7: Green Linoleum.