ASBESTOS LEAD PAINT AND PCB CAULK SURVEY REPORT

Abandoned Building
44-46 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

Lu Engineers
ENVIRONMENTAL • TRANSPORTATION • CIVIL

July 2022

Project No. 50514-01

ASBESTOS, LEAD PAINT AND PCB CAULK SURVEY REPORT

Abandoned Building
44-46 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 44-46 Canal Street, in Lyons, Wayne County, New York. This survey was performed in anticipation of planned redevelopment of the subject property.

The asbestos, lead paint and PCB caulk survey was conducted on June 17, 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:

- *ACM and Hazardous Materials Inspection Report for 46 Canal Street prepared by LiRo Engineers, Inc., dated August 18th, 2021.* This report identified the following materials as asbestos containing:
  - *Roofing, Felt Paper and Tar (Assumed)*

Previous reports along with 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.

Twenty-eight (28) 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

Steven Davis, an EPA Certified Lead Risk Assessor from Lu Engineers, conducted the lead inspection. A copy of Lu Engineers License and the Risk Assessor's Certification is included in Attachment A.

A RMD model LPA-1 XRF analyzer was used to test total of twenty-eight (28) surfaces. The analyzer was calibrated before and after each area with a National Institute of Standards and Technology (NIST) calibration block in accordance with the manufacturer's calibration procedures.

Testing combinations were identified during the room-by-room surface investigation. Each XRF reading is identified by the side of the room it was collected from (A, B, C & D), the component analyzed and the substrate. The A wall is always the wall on the entry side of the space. Sides "B, C and D" progress in a clockwise direction from side "A". Representative samples of building components were collected.

The paint condition can be: I (*Intact*), F (*Fair*), or P (*Poor*). *Intact* paint is defined as no peeling paint on the component or the entire surface is intact. For large components (such as walls, ceilings, floors, and doors), *Fair* paint is defined as less than or equal to 2 square feet of peeling or damaged paint and *Poor* paint is defined as more than 2 square feet of peeling or damaged paint. For small components (such as baseboards, moldings, and window frames), *Fair* paint is defined as less than or equal to 10% of the total surface area with peeling or damaged paint and *Poor* paint is defined as more than 10% of the total surface area has peeling or damaged paint. All of the painted surfaces were intact throughout the building.

The Mode used to obtain the calibration values was TC (time corrected mode). All of other readings were taken in the QM (quick mode). None of the surfaces tested required substrate correction based on the guidance provided by the LPA-1 performance characteristic sheet, as all readings were obtained in quick mode.

The lead concentrations are provided in mg/cm^2. XRF readings greater than or equal to 1.0 mg/cm^2 are considered to be lead-based paint. Copies of these XRF readings are included in Attachment E.

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.

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	Black Wiring	Damaged	NF	NAD
2	Grey Wall Plaster	Damaged	F	NAD
3	White Ceiling Plaster	Damaged	F	NAD
4	Black Linoleum Floor with Burlap Backing	Damaged	NF	NAD
5	***Green Pebble Pattern Linoleum***	***Damaged***	***NF***	***Chrysotile 8.7%***
6	Black Rolled Roofing	Damaged	NF	NAD
7	Black Felt Paper	Damaged	NF	Trace Chrysotile <1.0%
8	***Silver Coating***	***Damaged***	***NF***	***Chrysotile 2.5%***
9	***Black Tar Paper***	***Damaged***	***NF***	***Chrysotile 2.8%***
10	***Black Tar Paper***	***Damaged***	***NF***	***Chrysotile 1.7%***
11	***Black Tar***	***Damaged***	***NF***	***Chrysotile 2.8%***
12	***Grey Cementitious Chimney***	***Damaged***	***NF***	***Chrysotile 11%***
13	***White Door Insulation***	***Damaged***	***F***	***Assumed***
14	Tan 9”x 9” Floor Tile	Damaged	NF	Note 1
15	Yellow Floor Tile Mastic	Damaged	NF	Note 1
16	Grey Drywall	Damaged	F	Note 1
17	Grey Wall Plaster	Damaged	F	Note 1
18	Grey Duct Tape	Damaged	NF	Note 1
19	White Wall Plaster	Damaged	F	Note 1
20	Tiled Linoleum	Damaged	NF	Note 1
21	Yellow Linoleum Mastic	Damaged	NF	Note 1
22	White Drywall	Damaged	F	Note 1
23	Grey Ceiling Plaster	Damaged	F	Note 1
24	White Window Caulk	Damaged	NF	Note 1

NAD – No Asbestos Detected
F – Friable; NF – Non-Friable
Note 1 – Material was identified and sampled by LiRo Engineers, Inc. and was found to not contain asbestos. Analytical results can be found in Attachment F.

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/mm^2.

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.

Based on XRF analysis of painted and ceramic surfaces tested, there were eleven (11) lead based surfaces identified. Refer to Attachment E for detailed lead reports.

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
5	Green Pebble Pattern Linoleum	160 SF
8	Silver Coating	2,250 SF
9	Black Tar Paper	2,250 SF
10	Black Tar Paper	2,250 SF
11	Black Tar	2,250 SF
12	Grey Cementitious Chimney	40 LF
13	White Door Insulation	24 SF

SF = Square Feet
LF = Linear Feet

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/mm^2. 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/m^3) 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 OHSA 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

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ASBESTOS, LEAD PAINT and PCB CAULK SURVEY

ABANDONED BUILDING
44-46 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

SH 432 (8/12)

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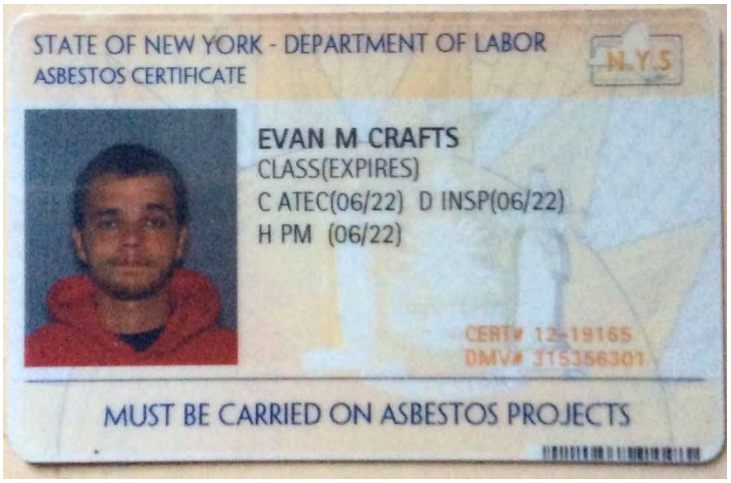
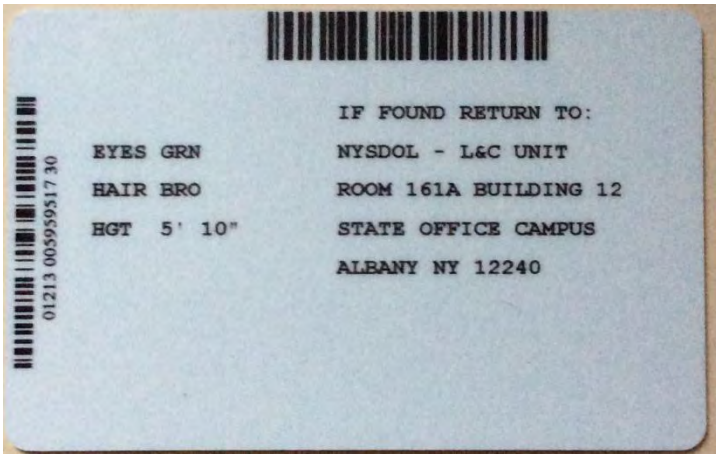
339 East Avenue, Suite 200
Rochester, New York 14604





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

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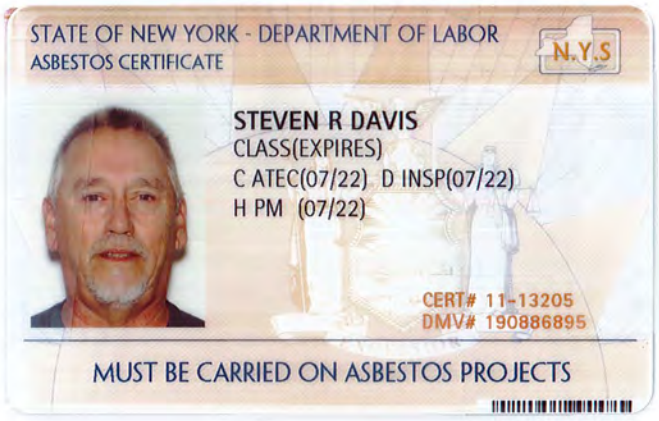
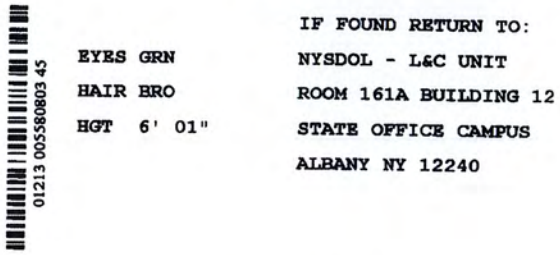
339 East Avenue, Suite 200
Rochester, New York 14604





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

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ASBESTOS, LEAD PAINT and PCB CAULK SURVEY

ABANDONED BUILDING
44-46 CANAL STREET
LYONS, WAYNE COUNTY, NEW YORK

Field Data Sheet

Building Name: Abandoned Building

Building Address: 44-46 Canal Street

Lyons, Wayne County, New York

Project Number: 50514-01

Inspection Date: 6/17/2022

Space I.D.	Walls				Floor	Ceiling	TSI	Miscellaneous	Notes
	N	S	E	W					
46 Canal St Basement	Brick	Brick	Brick	Brick	Concrete, Dirt	Wood	18		
46 Canal St First Floor	19, 17, Brick	19, 17, Brick	16, 19, 17, Brick	16, 19, 17, Brick	14, 15, 20, 21, Wood	23, Wood		13	
44 Canal St Entrance	19, 17, Brick	-	19, 17, Brick	19, 17, Brick	Wood	23, Wood			
46 Canal St Second Floor South	22	2, Brick	2, Brick	2	Wood	3, Wood			
46 Canal St Second Floor Middle	22	22	2, Brick	2	Wood	3, Wood			
46 Canal St Second Floor North	2, Brick	22	2, Brick	2	Wood	3, Wood			
44 Canal St Second Floor	2, Brick	2, Brick	2, Wood	2, Brick	4, 5, Wood	3, Wood			
46 Canal St Third Floor South (Attic)	Wood	Brick	Brick	Brick	Wood	Wood		1	
46 Canal St Third Floor Middle	2, Wood	Wood	2, Brick	2, Wood	Wood	3, Wood			
46 Canal St Third Floor North	2, Brick	2, Wood	2, Brick	2, Wood	Wood	Metal, 3, Wood			
44 Canal St Third Floor South (Attic)	Wood	Brick	Brick	Brick	Wood	Wood			

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Field Data Sheet

Building Name: Abandoned Building

Building Address: 44-46 Canal Street

Lyons, Wayne County, New York

Project Number: 50514-01

Inspection Date: 6/17/2022

Space I.D.	Walls				Floor	Ceiling	TSI	Miscellaneous	Notes
	N	S	E	W					
44 Canal St Third Floor South (Bathroom)	Wood	Wood	Wood	Wood	14, 15, Wood	Wood			
44 Canal St Third Floor Hallway	2, Wood	2, Wood	2, Wood	2, Wood	Wood	3, Wood			
44 Canal St Third Floor Northeast Room 1	2, Wood	2, Wood	2, Wood	2, Wood	Wood	3, Wood			
44 Canal St Third Floor Northeast Room 2	2, Wood	2, Wood	2, Wood	2, Wood	Wood	3, Wood			
44 Canal St Third Floor West Room	2, Wood	2, Wood	2, Wood	2, Wood	Wood	3, Wood			
44 Canal St Third Floor Northwest Room 1	2, Wood	2, Wood	2, Wood	2, Wood	Wood	3, Wood			
44 Canal St Third Floor Northwest Room 2	2, Wood	2, Wood	2, Wood	2, Wood	Wood	3, Wood			

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ROOF CORE PROFILES

Abandoned Building
44-46 Canal Street, Lyons, Wayne County, New York
July 2022

Core #1 – Southeast Side of Roof – 2" Depth

- Black Rolled Roofing (HA #6)
- Black Felt Paper (HA #7)
- ***Silver Coating (HA #8)***
- ***Black Tar Paper (HA #9)***
- ***Black Tar Paper (HA #10)***
- ***Black Tar (HA #11)***
- Wood Plank

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

- Black Rolled Roofing (HA #6)
- Black Felt Paper (HA #7)
- ***Silver Coating (HA #8)***
- ***Black Tar Paper (HA #9)***
- ***Black Tar Paper (HA #10***
- ***Black Tar (HA #11)***
- Wood Plank

Lu Project #50514-01

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Note:

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

ATTACHMENT C

Sample Location Plans,
Analytical Reports and
Chain of Custody Forms

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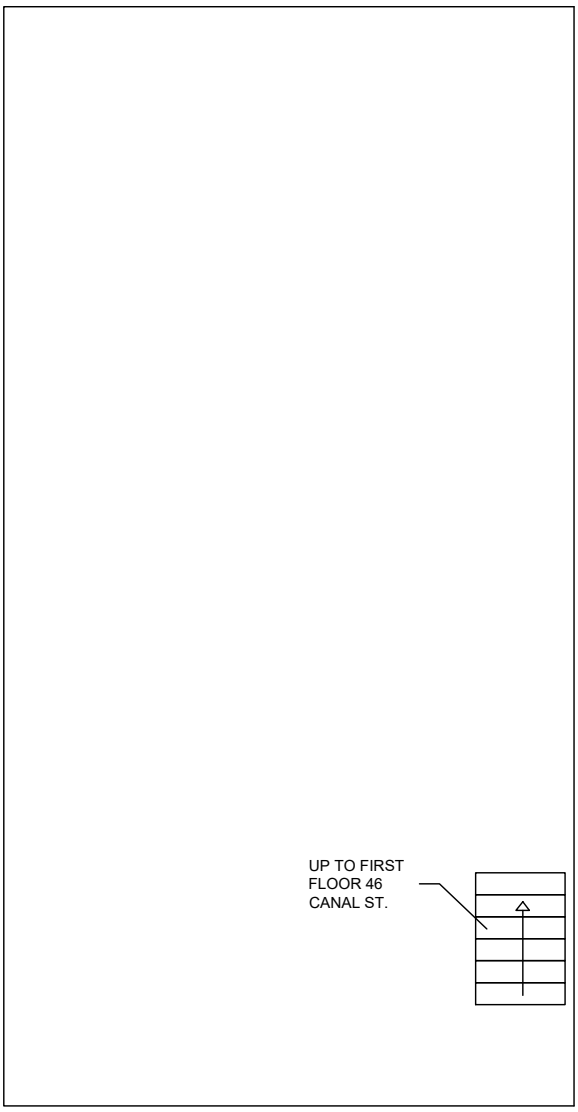
ASBESTOS, LEAD PAINT and PCB CAULK SURVEY

ABANDONED BUILDING
44-46 CANAL STREET
LYONS, WAYNE COUNTY, NEW YORK



N

LEGEND

1-A ASBESTOS BULK SAMPLE LOCATION & SAMPLE NUMBER

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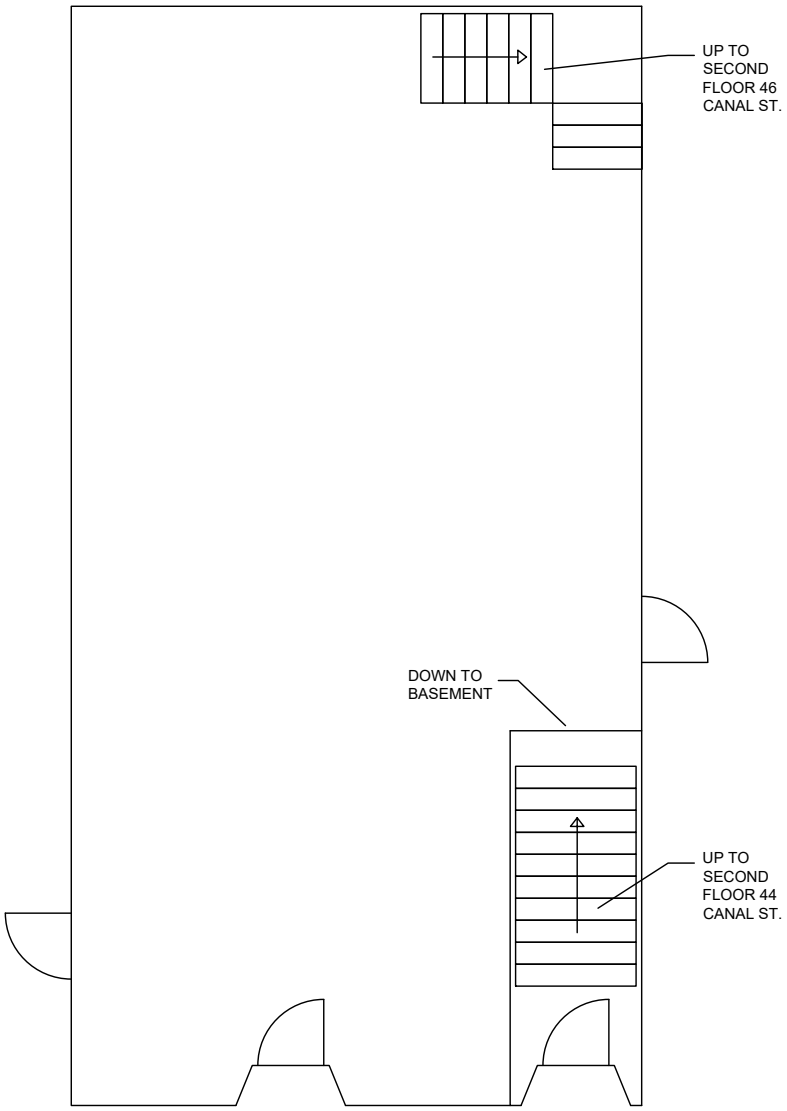
FIGURE 1. BULK SAMPLE LOCATION PLAN

44-46 CANAL STREET

LYONS | WAYNE COUNTY | NEW YORK

BASEMENT PLAN

DATE:	JULY 2022
SCALE:	N.T.S.
PROJECT NO:	50514-01



N

LEGEND

1-A ASBESTOS BULK SAMPLE LOCATION & SAMPLE NUMBER

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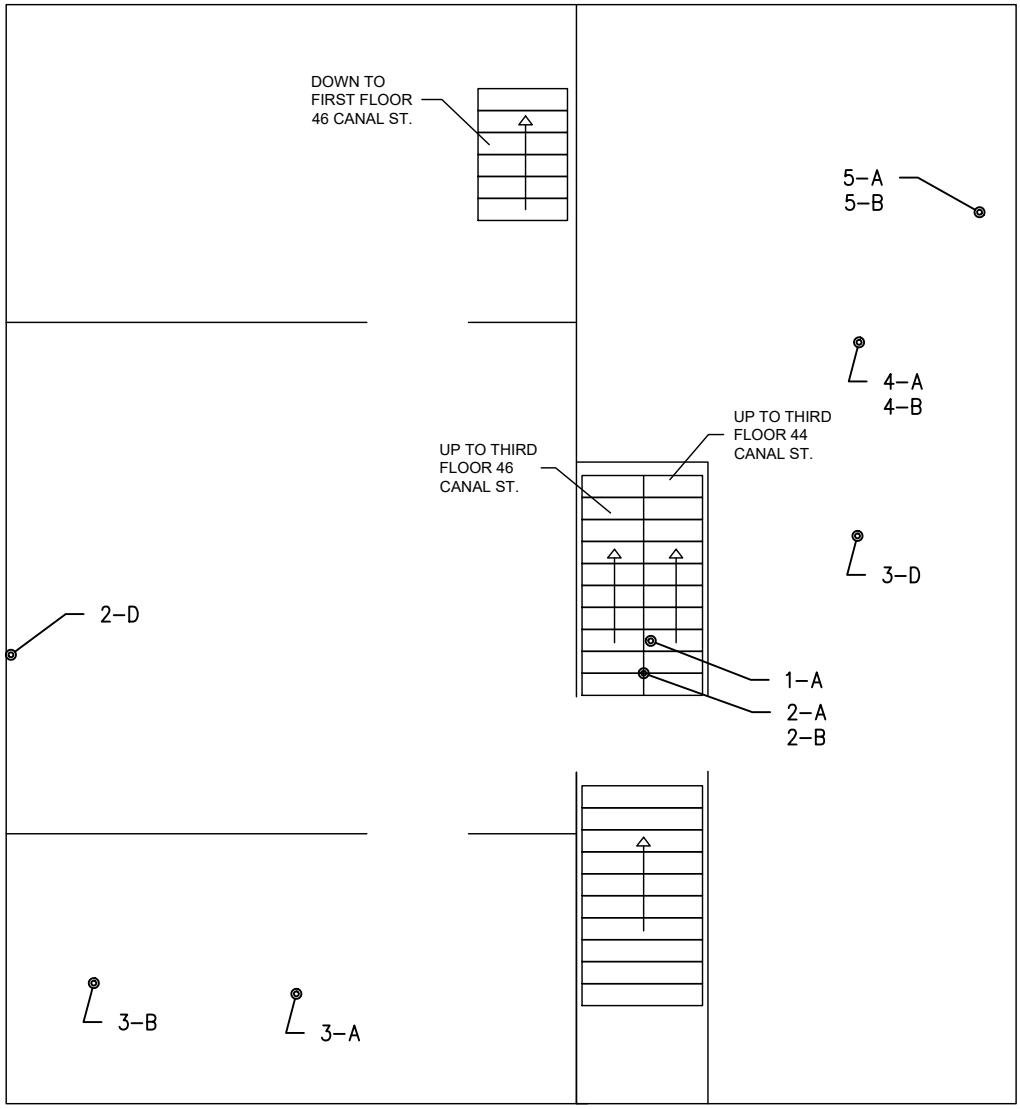
FIGURE 2. BULK SAMPLE LOCATION PLAN

44-46 CANAL STREET

LYONS | WAYNE COUNTY | NEW YORK

FIRST FLOOR PLAN

DATE:	JULY 2022
SCALE:	N.T.S.
PROJECT NO:	50514-01



LEGEND

1–A — ASBESTOS BULK SAMPLE LOCATION & SAMPLE NUMBER

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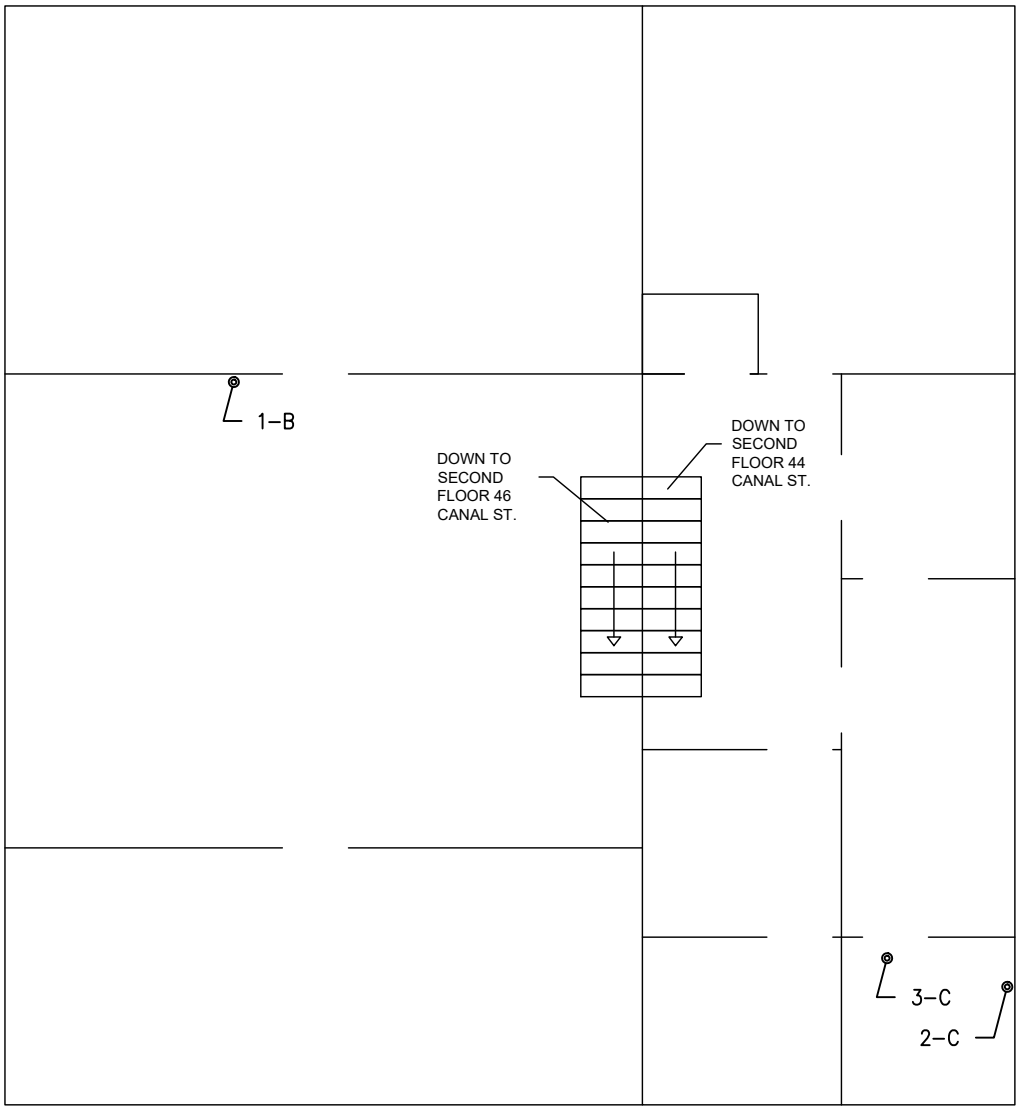
FIGURE 3. BULK SAMPLE LOCATION PLAN

44–46 CANAL STREET

LYONS | WAYNE COUNTY | NEW YORK

SECOND FLOOR PLAN

DATE:	JULY 2022
SCALE:	N.T.S.
PROJECT NO:	50514–01



N

LEGEND

1-A — ASBESTOS BULK SAMPLE LOCATION & SAMPLE NUMBER

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FIGURE 4. BULK SAMPLE LOCATION PLAN

44-46 CANAL STREET

LYONS | WAYNE COUNTY | NEW YORK

THIRD FLOOR PLAN

DATE:	JULY 2022
SCALE:	N.T.S.
PROJECT NO:	50514-01

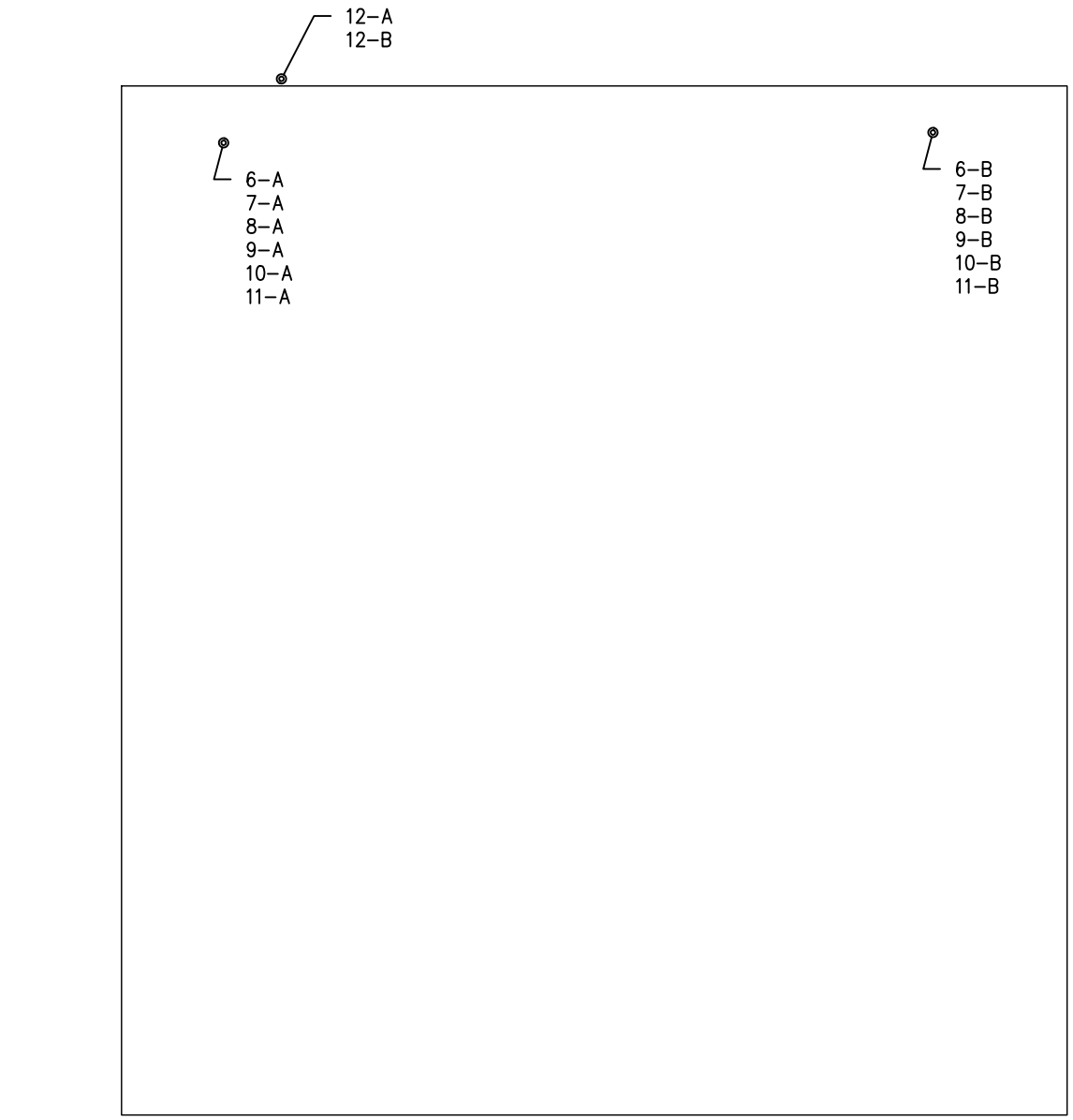

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FIGURE 5. BULK SAMPLE LOCATION PLAN

44–46 CANAL STREET

LYONS | WAYNE COUNTY | NEW YORK

EXTERIOR PLAN

DATE:	JULY 2022
SCALE:	N.T.S.
PROJECT NO:	50514–01

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

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-Canal Street
44-46 Canal Street, Lyons, New York
Sample Date: 6/17/2022

Job No: 4682-22
Page: 1 of 6

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 %
1-A	41122	Second to Third Floor Stairs	Black Wiring	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
1-B	41123	Third Floor	Black Wiring	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
2-A	41124	Second to Third Floor Stairs	Gray Wall Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
2-B	41125	Second to Third Floor Stairs	Gray Wall Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
2-C	41126	Third Floor Northwest Room	Gray Wall Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
2-D	41127	Second Floor East Wall	Gray Wall Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
3-A	41128	Second Floor North	White Ceiling Plaster	None Detected	0%		Not Required	N/A	Animal Hair 1%	99%
3-B	41129	Second Floor North	White Ceiling Plaster	None Detected	0%		Not Required	N/A	Animal Hair 1%	99%
3-C	41130	Third Floor Northwest Room	White Ceiling Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
3-D	41131	Second Floor Ceiling-Middle	White Ceiling Plaster	None Detected	0%		Not Required	N/A	None Detected	100%

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.
V̈ 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),

NVLAP TESTING
Lab Code 200530-0 for PLM Analysis

ELAP ID No.: 10958

Microscope: Olympus BH-2 #211874
PLM Analyst: T. Bush
Date of Analysis: 7/11/2022

Microscope: JEOL-100CX-II #EM-156094-87
TEM Analyst: F. Weinman
Date of Analysis: 7/12/2022

Laboratory Results Approved By:
Asbestos Technical Director or Designee Fernanda Weinman

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

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-Canal Street
44-46 Canal Street, Lyons, New York
Sample Date: 6/17/2022

Job No: 4682-22

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 %
4-A	41132	Second Floor Middle	Black Linoleum with Burlap Backing	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
4-B	41133	Second Floor Middle	Black Linoleum with Burlap Backing	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
5-A	41134	Second Floor West Side	Green Pebble Linoleum	Chrysotile 8.7%	8.7%	#	Not Required	N/A	None Detected	91.3%
5-B	41135	Second Floor West Side	Green Pebble Linoleum	STOP	POSITIVE	X	SAMPLE	NOT	ANALYZED	N/A
6-A	41136	Southeast Side of Roof	Black Rolled Roofing	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	Fiberglass 1%	99%
6-B	41137	Southwest Side of Roof	Black Rolled Roofing	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	Fiberglass 1%	99%
7-A	41138	Southeast Side of Roof	Black Fibrous Felt Paper	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	Fiberglass 10%	90%
7-B	41139	Southwest Side of Roof	Black Fibrous Felt Paper	Inconclusive Trace Chrysotile Detected	<1.0%	√	None Detected	<1.0%	Fiberglass 10%	90%
8-A	41140	Southeast Side of Roof	Silver Coating	Chrysotile 2.5%	2.5%	√	Not Required	N/A	None Detected	97.5%
8-B	41141	Southwest Side of Roof	Silver Coating	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.
V̈ 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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NVLAP TESTING
Lab Code 200530-0 for PLM Analysis

ELAP ID No.: 10958

Microscope: Olympus BH-2 #211874
PLM Analyst: T. Bush
Date of Analysis: 7/11/2022

Microscope: JEOL-100CX-II #EM-156094-87
TEM Analyst: T. Ma
Date of Analysis: 7/12/2022

Laboratory Results Approved By:
Asbestos Technical Director or Designee Fernanda Weinman

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

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-Canal Street
44-46 Canal Street, Lyons, New York
Sample Date: 6/17/2022

Job No: 4682-22

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	41142	Southeast Side of Roof	Black Tar Paper	Chrysotile 2.8%	2.8%	√	Not Required	N/A	None Detected	97.2%
9-B	41143	Southwest Side of Roof	Black Tar Paper	STOP	POSITIVE	X	SAMPLE	NOT	ANALYZED	N/A
10-A	41144	Southeast Side of Roof	Black Tar Paper	Chrysotile 1.7%	1.7%	√	Not Required	N/A	None Detected	98.3%
10-B	41145	Southwest Side of Roof	Black Tar Paper	STOP	POSITIVE	X	SAMPLE	NOT	ANALYZED	N/A
11-A	41146	Southeast Side of Roof	Black Tar	Chrysotile 2.8%	2.8%	√	Not Required	N/A	None Detected	97.2%
11-B	41147	Southwest Side of Roof	Black Tar	STOP	POSITIVE	X	SAMPLE	NOT	ANALYZED	N/A
12-A	41148	Southeast Corner of Building, Exterior	Gray Fibrous Cementitious Chimney	Chrysotile 11%	11%		Not Required	N/A	None Detected	89%
12-B	41149	Southeast Corner of Building, Exterior	Gray Cementitious Chimney	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.
Ṽ 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.
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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),

NVLAP TESTING

ELAP ID No.: 10958

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: N/A
Date of Analysis: N/A

Laboratory Results Approved By:
Asbestos Technical Director or Designee Fernanda Weinman

Bulk Sample Chain of Custody

4 of 6 DS

Lu Engineers
ENVIRONMENTAL • TRANSPORTATION • CIVIL

4682-22
1 of 3

Project Name: Wayne County Land Bank – Canal Street	**Lu Project # 50514-01**
Site Address: 44-46 Canal Street, Lyons, New York	**Laboratory Name:** Paradigm Environmental Services
Results to: **Lu Engineers** **339 East Avenue, Suite 200** **Rochester, NY 14604**	**Sample Type** ☒ NYS ELAP PLM/TEM ☐ PLM Only ☐ TEM Only
	Laboratory Address: 179 Lake Avenue Rochester, New York
Email: msmith@luengineers.com, sdavis@luengineers.com, ecrafts@luengineers.com	**Turn Around Time** ☐ Immediate ☐ 12 HR ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 Day
	Comments: **STOP POSITIVE**

	FIELD ID	SAMPLE LOCATION	MATERIAL	NOTES
4/122	1-A	Second to Third Floor Stairs	Black Wiring	
123	1-B	Third Floor	Black Wiring	
124	2-A	Second to Third Floor Stairs	Grey Wall Plaster	
125	2-B	Second to Third Floor Stairs	Grey Wall Plaster	
126	2-C	Third Floor Northwest Room	Grey Wall Plaster	
127	2-D	Second Floor East Wall	Grey Wall Plaster	
128	3-A	Second Floor North	White Ceiling Plaster	
129	3-B	Second Floor North	White Ceiling Plaster	
130	3-C	Third Floor Northwest Room	White Ceiling Plaster	
131	3-D	Second Floor Ceiling - Middle	White Ceiling Plaster	

Date Sampled: 6-17-2022

Inspector: S. Davis/ E.Crafts

Relinquished By _____ Date/Time 7/5/22

Received By _____ Date/Time 7.5.22 1036

5 of 6 DS

Bulk Sample Chain of Custody

Lu Engineers
ENVIRONMENTAL • TRANSPORTATION • CIVIL

Project Name: Wayne County Land Bank – Canal Street	**Lu Project # 50514-01** 4682-22 2 of 3
Site Address: 44-46 Canal Street, Lyons, New York	**Laboratory Name:** Paradigm Environmental Services
Results to: **Lu Engineers** **339 East Avenue, Suite 200** **Rochester, NY 14604**	**Sample Type** ☒ NYS ELAP PLM/TEM ☐ PLM Only ☐ TEM Only
	Laboratory Address: **179 Lake Avenue** **Rochester, New York**
Email: msmith@luengineers.com, sdavis@luengineers.com, ecrafts@luengineers.com	**Turn Around Time** ☐ Immediate ☐ 12 HR ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 Day
	Comments: **STOP POSITIVE**

	FIELD ID	SAMPLE LOCATION	MATERIAL	NOTES
41132	4-A	Second Floor Middle	Black Linoleum with Burlap Backing	
133	4-B	Second Floor Middle	Black Linoleum with Burlap Backing	
134	5-A	Second Floor West Side	Green Pebble Linoleum	
135	5-B	Second Floor West Side	Green Pebble Linoleum	
136	6-A	Southeast Side of Roof	Black Rolled Roofing	
137	6-B	Southwest Side of Roof	Black Rolled Roofing	
138	7-A	Southeast Side of Roof	Black Felt Paper	
139	7-B	Southwest Side of Roof	Black Felt Paper	
140	8-A	Southeast Side of Roof	Silver Coating	
141	8-B	Southwest Side of Roof	Silver Coating	

Date Sampled: 6-17-2022

Inspector: S. Davis/ E.Crafts

Relinquished By _____ Date/Time 7/5/22

Received By _____ Date/Time 7.5.22 1037

6 of 6 DS

Bulk Sample Chain of Custody

Lu Engineers
ENVIRONMENTAL • TRANSPORTATION • CIVIL

4682-22
3 of 3

Project Name: Wayne County Land Bank – Canal Street	**Lu Project # 50514-01**
Site Address: 44-46 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	**Sample Type** ☒ NYS ELAP PLM/TEM ☐ PLM Only ☐ TEM Only
	Laboratory Address: 179 Lake Avenue Rochester, New York
Turn Around Time ☐ Immediate ☐ 12 HR ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 Day	Comments: **STOP POSITIVE**

	FIELD ID	SAMPLE LOCATION	MATERIAL	NOTES
41142	9-A	Southeast Side of Roof	Black Tar Paper	
143	9-B	Southwest Side of Roof	Black Tar Paper	
144	10-A	Southeast Side of Roof	Black Tar Paper	
145	10-B	Southwest Side of Roof	Black Tar Paper	
146	11-A	Southeast Side of Roof	Black Tar	
147	11-B	Southwest Side of Roof	Black Tar	
148	12-A	Southeast Corner of Building, Exterior	Grey Cementitious Chimney	
149	12-B	Southeast Corner of Building, Exterior	Grey Cementitious Chimney	

Date Sampled: 6-17-2022

Inspector: S. Davis/ E.Crafts

Relinquished By _____ Date/Time 7/5/22

Received By _____ Date/Time 7.5.22 1038

ATTACHMENT D

Asbestos Location Plans and Asbestos Inspection Summary Table

Lu Engineers
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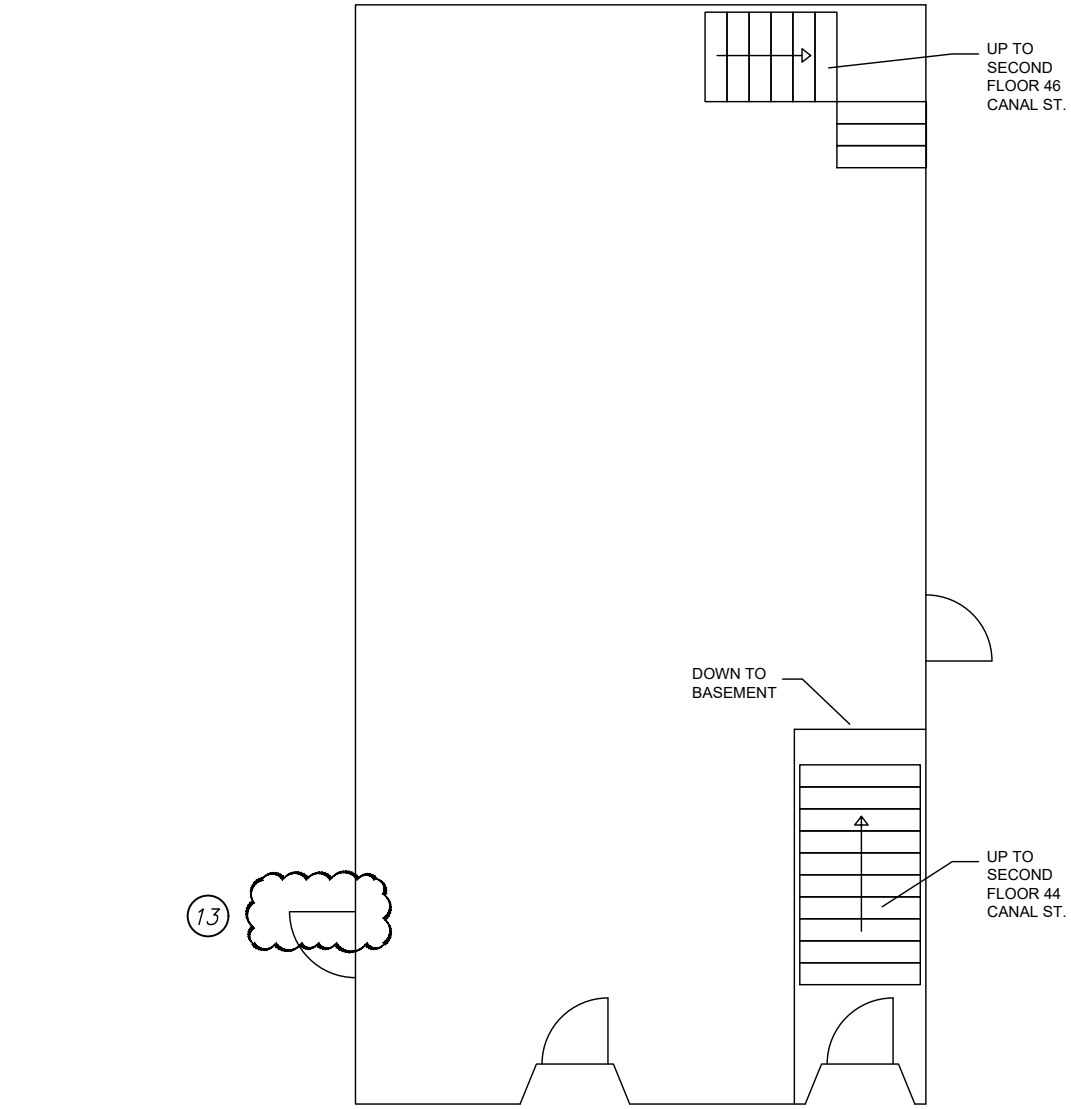
ASBESTOS, LEAD PAINT and PCB CAULK SURVEY

ABANDONED BUILDING
44-46 CANAL STREET
LYONS, WAYNE COUNTY, NEW YORK



N

LEGEND

13 APPROXIMATE LOCATION OF ASSUMED ASBESTOS CONTAINING WHITE DOOR INSULATION

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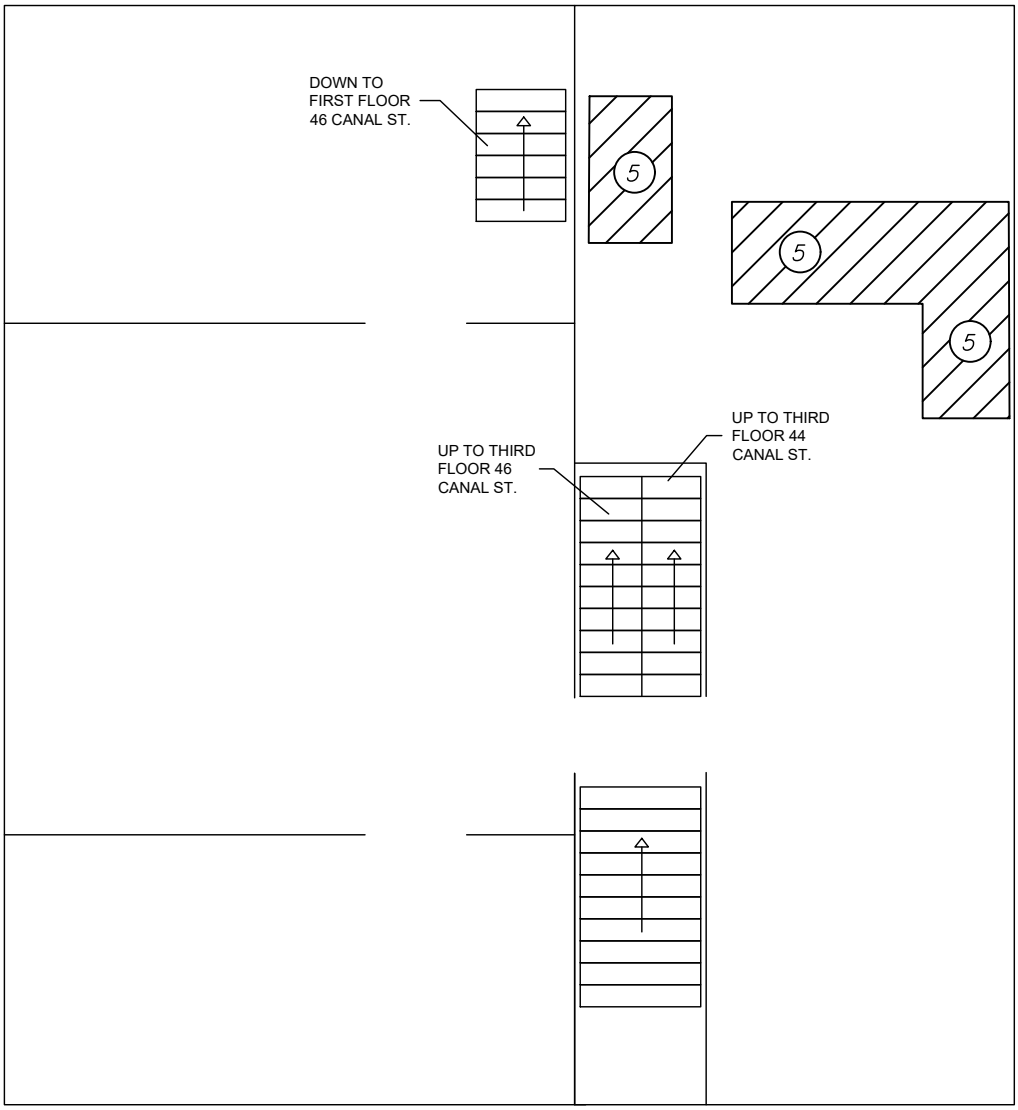
FIGURE 6. ASBESTOS LOCATION PLAN

44-46 CANAL STREET

LYONS | WAYNE COUNTY | NEW YORK

FIRST FLOOR PLAN

DATE:	JULY 2022
SCALE:	N.T.S.
PROJECT NO:	50514-01



N

LEGEND

5 APPROXIMATE LOCATION OF ASBESTOS CONTAINING GREEN PEBBLE PATTERN LINOLEUM SPORADIC LOCATIONS

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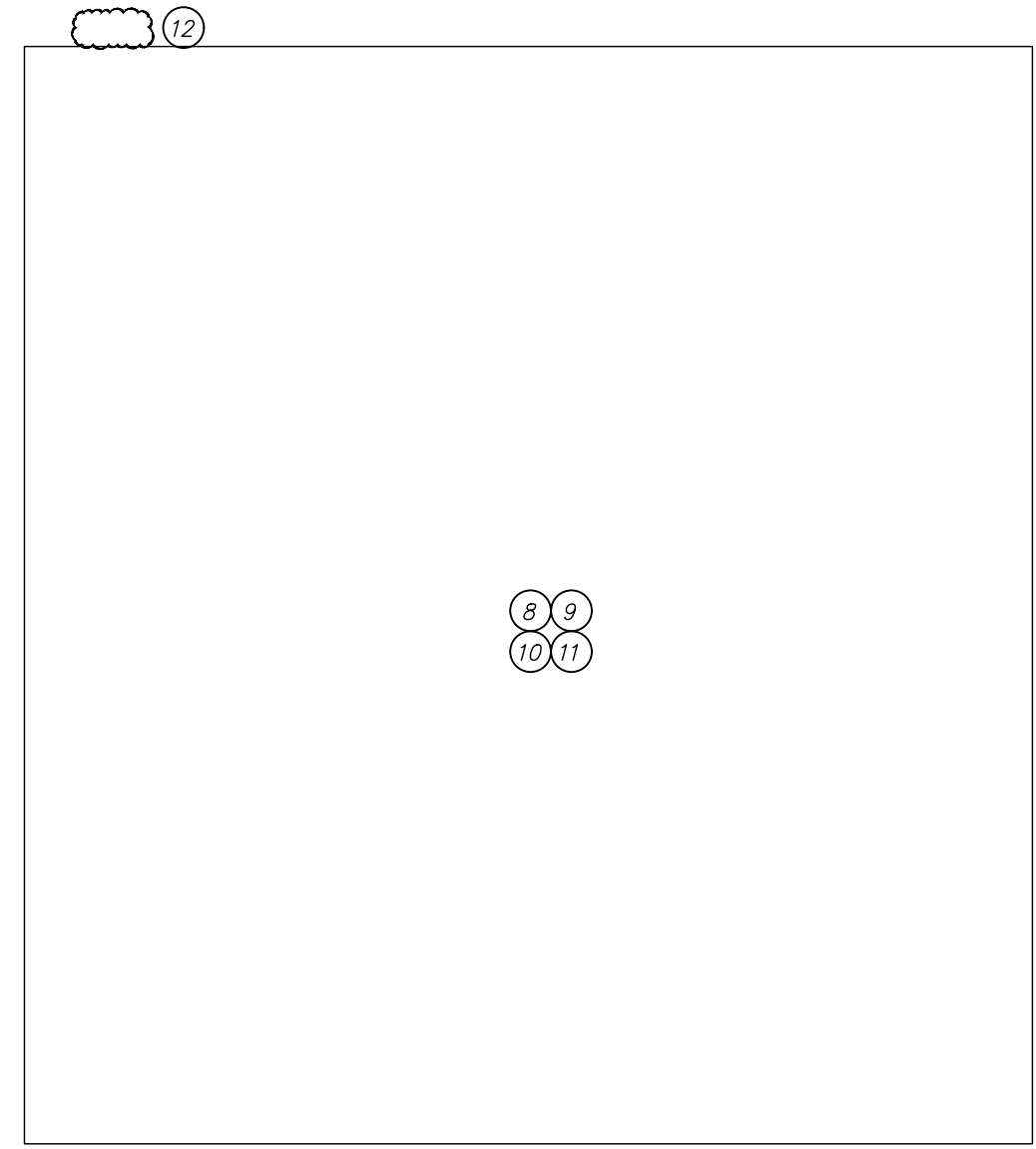
FIGURE 7. ASBESTOS LOCATION PLAN

44-46 CANAL STREET

LYONS | WAYNE COUNTY | NEW YORK

SECOND FLOOR PLAN

DATE:	JULY 2022
SCALE:	N.T.S.
PROJECT NO:	50514-01



LEGEND

8	APPROXIMATE LOCATION OF ASBESTOS CONTAINING SILVER COATING
9	APPROXIMATE LOCATION OF ASBESTOS CONTAINING BLACK TAR PAPER
10	APPROXIMATE LOCATION OF ASBESTOS CONTAINING BLACK TAR PAPER
11	APPROXIMATE LOCATION OF ASBESTOS CONTAINING BLACK TAR
12	APPROXIMATE LOCATION OF ASBESTOS CONTAINING GREY CEMENTITIOUS CHIMNEY

N

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FIGURE 8. ASBESTOS LOCATION PLAN

44-46 CANAL STREET

LYONS | WAYNE COUNTY | NEW YORK

EXTERIOR PLAN

DATE:	JULY 2022
SCALE:	N.T.S.
PROJECT NO:	50514-01

Asbestos Inspection Summary Table
44-46 Canal Street
Lyons, Wayne County, New York

Homogeneous Area Description	Homogeneous Area ID No.	Floor & Location	Tested or Assumed	ACM (Y/N)	Approx. Quantity
Green Pebble Pattern Linoleum	5	44 Canal Street Second Floor	Tested	Y	160 SF
				Total	**160 SF**
Silver Coating	8	44-46 Canal Street Roof	Tested	Y	2,250 SF
				Total	**2,250 SF**
Black Tar Paper	9	44-46 Canal Street Roof	Tested	Y	2,250 SF
				Total	**2,250 SF**
Black Tar Paper	10	44-46 Canal Street Roof	Tested	Y	2,250 SF
				Total	**2,250 SF**
Black Tar	11	44-46 Canal Street Roof	Tested	Y	2,250 SF
				Total	**2,250 SF**
Grey Cementitious Chimney	12	46 Canal Street Southeast Corner - Exterior	Tested	Y	40 LF
				Total	**40 LF**
White Door Insulation	13	46 Canal Street First Floor Exterior Door	Assumed	Y	24 SF
				Total	**24 SF**

ATTACHMENT E

Lead Paint Inspection Report

Lu Engineers
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ASBESTOS, LEAD PAINT and PCB CAULK SURVEY

ABANDONED BUILDING
44-46 CANAL STREET
LYONS, WAYNE COUNTY, NEW YORK

LEAD PAINT INSPECTION REPORT

REPORT NUMBER: S#02030 - 06/17/22 08:52

INSPECTION FOR: LU Engineering

PERFORMED AT: 42-44 Canal Street
Lyons, NY

INSPECTION DATE: 06/17/22

INSTRUMENT TYPE: R M D
MODEL LPA-1
XRF TYPE ANALYZER
Serial Number: 02030

ACTION LEVEL: 1.0 mg/cm²

OPERATOR LICENSE: LBP-R-128134-1

This report has been produced in accordance with accepted guidelines. The measurement contained within are accurate to the best of our knowledge.

SIGNED: _____ Date: 06.18.2022

Steve Davis
Certified Risk Assessor

SUMMARY REPORT OF LEAD PAINT INSPECTION FOR: LU Engineering

Inspection Date:	06/17/22	42-44 Canal Street
Report Date:	6/20/2022	Lyons, NY
Abatement Level:	1.0	
Report No.	S#02030 - 06/17/22 08:52	
Total Readings:	51 Actionable: 17	
Job Started:	06/17/22 08:52	
Job Finished:	06/17/22 12:06	

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
Exterior Room 001 Ext.Unit									
017	A	Window	Lft	frame	I	wood	purple	8.1	QM
018	A	Window	Lft	trim	I	wood	purple	4.0	QM
019	A	Door	Lft	na	I	wood	White	5.0	QM
Exterior Room 002 2nd.fl									
027	A	Wall	U Lft		I	Plaster	orange	1.0	QM
028	A	Window	Lft	trim	I	wood	White	>9.9	QM
029	B	Wall	U Lft		I	Plaster	orange	>9.9	QM
030	C	Wall	U Lft		I	Plaster	orange	1.0	QM
031	C	Window	Lft	trim	I	wood	White	>9.9	QM
Exterior Room 003 3fdfl									
035	A	Window	Lft	trim	I	wood	brown	>9.9	QM
Exterior Room 004 nw rm									
037	C	Wall	U Lft		I	wood	gray	5.9	QM
Exterior Room 006 3flstair									
045	A	Wall	U Lft		I	Plaster	green	1.7	QM
044	A	Door	Lft	trim	I	wood	gray	>9.9	QM
Interior Room 001 store front									
004	A	Door	Lft	n/a	I	wood	green	>9.9	Std
006	B	Wall	U Lft		I	Concrete	Tan	2.4	Std
009	D	Floor	Lft		I	wood	green	>9.9	QM
Interior Room 003 3fl Ne Room									
039	A	Wall	Ctr		I	Wood	Brown	>9.9	QM
042	C	Wall	Ctr		I	Wood	Brown	>9.9	QM
Calibration Readings									

---- End of Readings ----

SEQUENTIAL REPORT OF LEAD PAINT INSPECTION FOR: LU Engineering

Inspection Date: 06/17/22
Report Date: 6/20/2022
Abatement Level: 1.0
Report No. S#02030 - 06/17/22 08:52
Total Readings: 51
Job Started: 06/17/22 08:52
Job Finished: 06/17/22 12:06

42-44 Canal Street
Lyons, NY

Read No.	Rm No.	Room Name	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
1		CALIBRATION								0.8	Std
2		CALIBRATION								1.0	Std
3		CALIBRATION								0.9	Std
4	001	store front	A	Door	Lft	n/a	I	wood	green	>9.9	Std
5	001	store front	B	Wall	U Lft		I	Plaster	green	0.0	Std
6	001	store front	B	Wall	U Lft		I	Concrete	Tan	2.4	Std
7	001	store front	C	Wall	U Lft		I	Plaster	Tan	0.2	QM
8	001	store front	D	Wall	U Lft		I	Concrete	green	0.0	QM
9	001	store front	D	Floor	Lft		I	wood	green	>9.9	QM
10	001	store front	B	Floor	Lft		I	wood	gray	0.1	QM
11	002	Basement	B	Stairs	Lft	Treads	I	wood	gray	0.0	QM
12	002	Basement	B	Ceiling	Lft		I	Plaster	green	0.0	QM
13	002	Basement	A	Wall	U Lft		I	Drywall	green	-0.1	QM
14	002	Basement	B	Wall	U Lft		I	Plaster	green	0.0	QM
15	002	Basement	C	Wall	U Lft		I	Drywall	green	0.1	QM
16	002	Basement	D	Wall	U Lft		I	wood	green	0.1	QM
17	001	Ext.Unit	A	Window	Lft	frame	I	wood	purple	8.1	QM
18	001	Ext.Unit	A	Window	Lft	trim	I	wood	purple	4.0	QM
19	001	Ext.Unit	A	Door	Lft	na	I	wood	White	5.0	QM
20	001	Ext.Unit	C	Wall	U Lft		I	Brick	White	0.0	QM
21		CALIBRATION								0.8	QM
22		CALIBRATION								1.0	QM
23		CALIBRATION								0.6	QM
24		CALIBRATION								0.7	QM
25		CALIBRATION								1.0	QM
26		CALIBRATION								0.7	QM
27	002	2nd.fl	A	Wall	U Lft		I	Plaster	orange	1.0	QM
28	002	2nd.fl	A	Window	Lft	trim	I	wood	White	>9.9	QM
29	002	2nd.fl	B	Wall	U Lft		I	Plaster	orange	>9.9	QM
30	002	2nd.fl	C	Wall	U Lft		I	Plaster	orange	1.0	QM
31	002	2nd.fl	C	Window	Lft	trim	I	wood	White	>9.9	QM
32	002	2nd.fl	D	Wall	U Lft		I	Plaster	orange	0.7	QM
33	002	2nd.fl	D	Stairs	Lft	Wall	I	Plaster	blue	-0.1	QM
34	002	2nd.fl	B	Stairs	Lft	Wall	I	Plaster	blue	-0.1	QM
35	003	3fdfl	A	Window	Lft	trim	I	wood	brown	>9.9	QM
36	004	nw rm	B	Wall	U Lft		I	Plaster	green	0.2	QM
37	004	nw rm	C	Wall	U Lft		I	wood	gray	5.9	QM
38	004	nw rm	D	Wall	U Lft		I	Plaster	green	0.0	QM
39	003	3fl Ne Room	A	Wall	Ctr		I	Wood	Brown	>9.9	QM

SEQUENTIAL REPORT OF LEAD PAINT INSPECTION FOR: LU Engineering

Read No.	Rm No.	Room Name	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
40	003	3fl Ne Room	A	Wall		Ctr	I	Plaster	Green	0.0	QM
41	003	3fl Ne Room	A	Window		Ctr Header	I	Wood	Brown	0.0	QM
42	003	3fl Ne Room	C	Wall		Ctr	I	Wood	Brown	>9.9	QM
43	003	3fl Ne Room	D	Wall		Ctr	I	Plaster	Gray	-0.1	QM
44	006	3flstair	A	Door		Lft trim	I	wood	gray	>9.9	QM
45	006	3flstair	A	Wall	U	Lft	I	Plaster	green	1.7	QM
46	006	3flstair	B	Wall	U	Lft	I	Plaster	green	0.2	QM
47	006	3flstair	C	Wall	U	Lft	I	Plaster	green	-0.2	QM
48	006	3flstair	D	Wall	U	Lft	I	Plaster	green	0.0	QM
49		CALIBRATION								1.0	QM
50		CALIBRATION								1.0	QM
51		CALIBRATION								1.0	QM

---- End of Readings ----

DETAILED REPORT OF LEAD PAINT INSPECTION FOR: LU Engineering

Inspection Date:	06/17/22	42-44 Canal Street
Report Date:	6/20/2022	Lyons, NY
Abatement Level:	1.0	
Report No.	S#02030 - 06/17/22 08:52	
Total Readings:	51	
Job Started:	06/17/22 08:52	
Job Finished:	06/17/22 12:06	

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
Exterior Room 001 Ext.Unit									
017	A	Window	Lft	frame	I	wood	purple	8.1	QM
018	A	Window	Lft	trim	I	wood	purple	4.0	QM
019	A	Door	Lft	na	I	wood	White	5.0	QM
020	C	Wall	U Lft		I	Brick	White	0.0	QM
Exterior Room 002 2nd.fl									
027	A	Wall	U Lft		I	Plaster	orange	1.0	QM
028	A	Window	Lft	trim	I	wood	White	>9.9	QM
029	B	Wall	U Lft		I	Plaster	orange	>9.9	QM
034	B	Stairs	Lft	Wall	I	Plaster	blue	-0.1	QM
030	C	Wall	U Lft		I	Plaster	orange	1.0	QM
031	C	Window	Lft	trim	I	wood	White	>9.9	QM
032	D	Wall	U Lft		I	Plaster	orange	0.7	QM
033	D	Stairs	Lft	Wall	I	Plaster	blue	-0.1	QM
Exterior Room 003 3fdfl									
035	A	Window	Lft	trim	I	wood	brown	>9.9	QM
Exterior Room 004 nw rm									
036	B	Wall	U Lft		I	Plaster	green	0.2	QM
037	C	Wall	U Lft		I	wood	gray	5.9	QM
038	D	Wall	U Lft		I	Plaster	green	0.0	QM
Exterior Room 006 3flstair									
045	A	Wall	U Lft		I	Plaster	green	1.7	QM
044	A	Door	Lft	trim	I	wood	gray	>9.9	QM
046	B	Wall	U Lft		I	Plaster	green	0.2	QM
047	C	Wall	U Lft		I	Plaster	green	-0.2	QM
048	D	Wall	U Lft		I	Plaster	green	0.0	QM
Interior Room 001 store front									
004	A	Door	Lft	n/a	I	wood	green	>9.9	Std
005	B	Wall	U Lft		I	Plaster	green	0.0	Std
006	B	Wall	U Lft		I	Concrete	Tan	2.4	Std
010	B	Floor	Lft		I	wood	gray	0.1	QM
007	C	Wall	U Lft		I	Plaster	Tan	0.2	QM
008	D	Wall	U Lft		I	Concrete	green	0.0	QM
009	D	Floor	Lft		I	wood	green	>9.9	QM
Interior Room 002 Basement									
013	A	Wall	U Lft		I	Drywall	green	-0.1	QM

DETAILED REPORT OF LEAD PAINT INSPECTION FOR: LU Engineering

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
014	B	Wall	U Lft		I	Plaster	green	0.0	QM
012	B	Ceiling	Lft		I	Plaster	green	0.0	QM
011	B	Stairs	Lft	Treads	I	wood	gray	0.0	QM
015	C	Wall	U Lft		I	Drywall	green	0.1	QM
016	D	Wall	U Lft		I	wood	green	0.1	QM
Interior Room 003 3fl Ne Room									
041	A	Window	Ctr	Header	I	Wood	Brown	0.0	QM
039	A	Wall	Ctr		I	Wood	Brown	>9.9	QM
040	A	Wall	Ctr		I	Plaster	Green	0.0	QM
042	C	Wall	Ctr		I	Wood	Brown	>9.9	QM
043	D	Wall	Ctr		I	Plaster	Gray	-0.1	QM
Calibration Readings									
001								0.8	Std
002								1.0	Std
003								0.9	Std
021								0.8	QM
022								1.0	QM
023								0.6	QM
024								0.7	QM
025								1.0	QM
026								0.7	QM
049								1.0	QM
050								1.0	QM
051								1.0	QM

---- End of Readings ----

DISTRIBUTION REPORT OF LEAD PAINT INSPECTION FOR: LU Engineering

Inspection Date: 06/17/22
Report Date: 6/20/2022
Abatement Level: 1.0
Report No. S#02030 - 06/17/22 08:52
Total Reading Sets: 39
Job Started: 06/17/22 08:52
Job Finished: 06/17/22 12:06

42-44 Canal Street
Lyons, NY

Structure	Total	Structure Distribution Positive	Negative	Inconclusive
Ceiling	1	0 <0%>	1 <100%>	0 <0%>
Door n/a	1	1 <100%>	0 <0%>	0 <0%>
Door na	1	1 <100%>	0 <0%>	0 <0%>
Door trim	1	1 <100%>	0 <0%>	0 <0%>
Floor	2	1 <50%>	1 <50%>	0 <0%>
Stairs Treads	1	0 <0%>	1 <100%>	0 <0%>
Stairs Wall	2	0 <0%>	2 <100%>	0 <0%>
Wall	24	8 <33%>	16 <67%>	0 <0%>
Window frame	1	1 <100%>	0 <0%>	0 <0%>
Window Header	1	0 <0%>	1 <100%>	0 <0%>
Window trim	4	4 <100%>	0 <0%>	0 <0%>
Inspection Totals:	39	17 < 44%>	22 < 56%>	0 < 0%>

PROPERTY ADDRESS: ___ 42 Canal Street XRF NO.: 0852

XRF Reading Number	Location	Side	Structure	Member	Substrate	Color	Condition
1	CALIBRATION						
2	CALIBRATION						
3	CALIBRATION						
4	STORE FRONT	(A) B C D	DOOR		WOOD	GREEN	INTACT
5	↓	A (B) C D	WALL		PLASTER	GREEN	"
		A (B) C D	WALL		CONCRETE	TAN	"
		A B (C) D	WALL		PLASTER	TAN	POOR
		A B C (D)	WALL		CONC.	GREEN	INTACT
		A B C (D)	FLOOR		WOOD	GREEN	"
10	↓	A (B) C D	FLOOR		WOOD	GREY	"
	BASEMENT	A B C D	STAIRS	TREAD	WOOD	GREY	"
	↓	A B C D	CEILING		PARTICLE BRD	GREEN	"
		(A) B C D	WALL		DRYWALL	GREEN	"
		A (B) C D	WALL		PLASTER	GREEN	"
15		A B (C) D	WALL		DW	GREEN	"
	↓	A B C (D)	WALL		WOOD	GREEN	"
	EXTERIOR	(A) B C D	WINDOW	FRAME	WOOD	PURPLE	"
	↓	(A) B C D	"	TRIM	"	"	"
		(A) B C D	DOOR		WOOD	WHITE	"
20	↓	A B (C) D	WALL		BRICK	WHITE	"
21	CALIBRATION	A B C D	—	—	—	—	
22	"	A B C D	—	—	—	—	
23	"	A B C D	—	—	—	—	
		A B C D					
↑ 42 = 4		A B C D					
24	CALIB.	A B C D	—	—	—	—	
25	"	A B C D	—	—	—	—	
26	"	A B C D	—	—	—	—	
27	SECOND FL.	(A) B C D	WALL		PLASTER	ORANGE	
		(A) B C D	WINDOW	TRIM	WOOD	WHITE	
		A (B) C D	WALL		PLASTER	ORANGE	
30		A B (C) D	WALL	X	PLASTER	ORANGE	
		A B (C) D	WINDOW	TRIM	WOOD	WHITE	
	↓	A B C (D)	WALL		PLASTER	ORANGE	
35	STAIRS	A B C (D)	WALL		PLASTER	BLUE	

42 CANAL ST, LYONS, NEW YORK FOR SHOTS 1–23. 44 CANAL ST, LYONS, NY FOR SHOTS 24–51

XRF Reading Number	Location	Side	Structure	Member	Substrate	Color	Condition
34	STAIRS	A (B) C D	WALL		PLASTER	BLUE	
35	THIRD FL. NW ROOM	(A) B C D	WINDOW	TRIM	WOOD	BROWN	
	"	A (B) C D	WALL		PLASTER	GREEN	
"	"	A B (C) D	WALL		WOOD	GREY	
"	"	A B C (D)	WALL		PLAST.	GREEN	
"	THIRD FL. NE ROOM	(A) B C D	WINDOW	TRIM	WOOD	BROWN	
40	"	(A) B C D	WALL		PLASTER	GREEN	
	"	A (B) C D	"		"	"	
	"	A B (C) D	WALL		WOOD	BROWN	
	"	A B C (D)	WALL		PLAST.	GREY	
	THIRD FL. STAIRS	(A) B C D	DOOR	TRIM	WOOD	GREY	
45	"	(A) B C D	WALL		PLASTER	GREEN	
	"	A (B) C D	"		"	"	
"	"	A B (C) D	"		"	"	
"	"	A B C (D)	"		"	"	
49	CALIB.	A B C D	=				
50	CALIB.	A B C D	—				
51	CALIB.	A B C D	—				
"		A B C D					
"		A B C D					
"		A B C D					
55		A B C D					
		A B C D					
		A B C D					
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ATTACHMENT F

Previous Reports

Lu Engineers
ENVIRONMENTAL • TRANSPORTATION • CIVIL

ASBESTOS, LEAD PAINT and PCB CAULK SURVEY

ABANDONED BUILDING
44-46 CANAL STREET
LYONS, WAYNE COUNTY, NEW YORK

ACM and Hazardous Materials

Inspection Report

For

46 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

August 18th, 2021

Table of Contents

Appendices

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 46 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
- Drywall, White
- Duct Tape /Sealant, Gray
- 9x9" Floor Tile, Tan
- Mastic associated with Tan 9x9" FT, Yellow
- Tiled Linoleum
- Mastic associated with Linoleum, Yellow
- Ceiling Plaster, Gray
- Exterior Window Caulk, Off-White

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

- **Assumed Roofing, Felt Paper and Tar, 2,600 SF, Intact, Non-Friable**

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/cm^2 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:**

- **Tan Paint on the walls throughout the 1st Floor.**
- **Dark Green Paint on walls throughout 2nd Floor.**

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

- Light Green Paint on West Wall on 1st Floor.

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 OHSA 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.

2.0 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 46 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
- Drywall, White
- Duct Tape /Sealant, Gray
- 9x9" Floor Tile, Tan
- Mastic associated with Tan 9x9" FT, Yellow
- Tiled Linoleum
- Mastic associated with Linoleum, Yellow
- Ceiling Plaster, Gray
- Exterior Window Caulk, Off-White

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

- **Assumed Roofing, Felt Paper and Tar, 2,600 SF, Intact, Non-Friable**

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 drawings are provided in Appendix D. A photographic log is located in Appendix E.

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/cm^2 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	**1st Floor, East Wall**	**Tan Paint**	**Plaster**	**0.65**
LBP-2	1st Floor, West Wall	Light Green Paint	Plaster	0.049
LBP-3	**2nd Floor, West Wall**	**Dark Green Paint**	**Plaster**	**0.82**

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 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)**
CA-1, 2, 3	Exterior Window Entry Door	White Window Caulk	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 has performed an inspection for the presence or absence of ACM in support of the demolition project located at 46 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).

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
- Drywall, White
- Duct Tape /Sealant, Gray
- 9x9" Floor Tile, Tan
- Mastic associated with Tan 9x9" FT, Yellow
- Tiled Linoleum
- Mastic associated with Linoleum, Yellow
- Ceiling Plaster, Gray
- Exterior Window Caulk, Off-White

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

- **Assumed Roofing, Felt Paper and Tar, 2,600 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/cm^2 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:

- **Tan Paint on the walls throughout the 1st Floor.**
  Dark Green Paint on walls throughout 2nd Floor.

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

- Light Green Paint on West Wall on 1st Floor.

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 OHSA 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.

APPENDIX A:

SAMPLE ANALYSIS RESULTS IN TABULAR FORM

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

Sample No.	HA	Location	Material	Quantity	Results	Friable (Y/N)	Condition
FT1-1	FT	1st Floor	Tan 9x9" Floor Tile	N/A	NAD	N	I
FT1-2		1st Floor			NAD		
FTM1-1	FTM	1st Floor	Yellow Mastic (Tan 9x9")	N/A	Trace	N	I
FTM1-2		1st Floor			NA		
DW1-1	DW	1st Floor	Gray Drywall	N/A	NAD	Y	I
DW1-2		1st Floor			NAD		
DW1-3		1st Floor			NAD		
PL1-1	PL	1st Floor	Gray Wall Plaster	N/A	NAD	Y	I
PL1-2		1st Floor			NAD		
PL1-3		1st Floor			NAD		
DT1-1	DT	Basement	Gray Duct Tape	N/A	NAD	N	I
DT1-2		Basement			NAD		
WP1-1	WP	1st Floor	White Wall Plaster	N/A	NAD	Y	I
WP1-2		1st Floor			NAD		
WP1-3		1st Floor			NAD		
TL1-1	TL	1st Floor	Tiled Linoleum	N/A	NAD	N	SD
TL1-2		1st Floor			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
46 Canal Street
Lyons, New York 14489

Sample No.	HA	Location	Material	Quantity	Results	Friable (Y/N)	Condition
TLM1-1	TLM	1st Floor	Yellow Mastic (Tiled Linoleum)	N/A	NAD	N	I
TLM1-2		1st Floor			NAD		
DW2-1	DW	2nd Floor	White Drywall	N/A	NAD	Y	I
DW2-2		2nd Floor			NAD		
DW2-3		2nd Floor			NAD		
CP1-1	CP	1st Floor	Gray Ceiling Plaster	N/A	NAD	Y	SD
CP1-2		1st Floor			NAD		
CP1-3		1st Floor			NAD		
CA1-1	CA	Exterior- Front Entry	White Window Caulk	N/A	NAD	N	I
CA1-2		Exterior- Front Entry			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 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:	532101424
Customer ID:	LIRO50
Customer PO:	19-241-2291
Project ID:	

Attention:	Jason Colvin	**Phone:**	(716) 882-5476
	The LiRo Group	**Fax:**	(716) 882-9640
	690 Delaware Avenue	**Received Date:**	08/13/2021 2:30 PM
	Buffalo, NY 14209	**Analysis Date:**	08/17/2021
		Collected Date:	

Project: 19-241-2291. Wayne County Regional Land Bank. Lyons, NY. 46 Canal St.

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos
Sample ID FT1-1 *532101424-0001*		**Description**	1st Floor - Tan 9x9 Floor Tile		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	08/17/2021	Tan		100.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	08/17/2021	Tan		100.00% Other	**None Detected**
Sample ID FT1-2 *532101424-0002*		**Description**	1st Floor - Tan 9x9 Floor Tile		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	08/17/2021	Tan		100.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	08/17/2021	Tan		100.00% Other	**None Detected**
Sample ID FTM-1 *532101424-0003*		**Description**	1st Floor - Yellow Mastic (9x9 FT)		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	08/17/2021	Yellow		100.00% Other	**Inconclusive: None Detected**
Sample below method recommended minimum weight; analyzed at client's request.					
TEM NYS 198.4 NOB	08/17/2021	Yellow	None	100.00% Other	**<1% Chrysotile**
Sample ID FTM-2 *532101424-0004*		**Description**	1st Floor - Yellow Mastic (9x9 FT)		
		Homogeneity			
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	08/17/2021				**Insufficient Material**
TEM NYS 198.4 NOB	08/17/2021				**Insufficient Material**
Sample ID DW1-1 *532101424-0005*		**Description**	1st Floor - Gray Drywall		
		Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable	08/17/2021	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: 08/17/2021 13:57:21

EMSL Analytical, Inc.

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

EMSL Order:	532101424
Customer ID:	LIRO50
Customer PO:	19-241-2291
Project ID:	

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos	Fibrous	Non-Fibrous	Asbestos
Sample ID DW1-2 *532101424-0006*		**Description** 1st Floor - Gray Drywall **Homogeneity** Heterogeneous				
PLM NYS 198.1 Friable	08/17/2021	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 *532101424-0007*		**Description** 1st Floor - Gray Drywall **Homogeneity** Heterogeneous				
PLM NYS 198.1 Friable	08/17/2021	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 PL1-1 *532101424-0008*		**Description** 1st Floor - Gray Wall Plaster **Homogeneity** Homogeneous				
PLM NYS 198.1 Friable	08/17/2021	Gray	<1.00%	Hair	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 *532101424-0009*		**Description** 1st Floor - Gray Wall Plaster **Homogeneity** Homogeneous				
PLM NYS 198.1 Friable	08/17/2021	Gray	<1.00%	Hair	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 *532101424-0010*		**Description** 1st Floor - Gray Wall Plaster **Homogeneity** Homogeneous				
PLM NYS 198.1 Friable	08/17/2021	Gray	2.00%	Hair	5.00% Ca Carbonate 93.00% 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 DT1-1 *532101424-0011*		**Description** Basement - Gray Duct Tape/Sealant **Homogeneity** Heterogeneous				
PLM NYS 198.1 Friable						**Not Analyzed**
PLM NYS 198.6 VCM						**Not Analyzed**
PLM NYS 198.6 NOB	08/17/2021	Brown/ Black	<1.00% <1.00%	Fibrous (other) Min. Wool	100.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	08/17/2021	Brown/ Black			100.00% Other	**None Detected**

Initial report from: 08/17/2021 13:57:21

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

EMSL Order:	532101424
Customer ID:	LIRO50
Customer PO:	19-241-2291
Project ID:	

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos
Sample ID DT1-2 *532101424-0012*		**Description** Basement - Gray Duct Tape/Sealant **Homogeneity** Heterogeneous			
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	08/17/2021	Brown/ Black	<1.00% Min. Wool	100.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	08/17/2021	Brown/ Black		100.00% Other	**None Detected**
Sample ID WP1-1 *532101424-0013*		**Description** 1st Floor - White Wall Plaster **Homogeneity** Heterogeneous			
PLM NYS 198.1 Friable	08/17/2021	Brown/ White	5.00% Cellulose <1.00% Glass	85.00% 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 WP1-2 *532101424-0014*		**Description** 1st Floor - White Wall Plaster **Homogeneity** Heterogeneous			
PLM NYS 198.1 Friable	08/17/2021	Brown/ White	5.00% Cellulose <1.00% Glass	85.00% 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 WP1-3 *532101424-0015*		**Description** 1st Floor - White Wall Plaster **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	08/17/2021	White	2.00% Cellulose	<1.00% Ca Carbonate 85.00% Gypsum 13.00% 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 TL1-1 *532101424-0016*		**Description** 1st Floor - Tiled Linoleum **Homogeneity** Heterogeneous			
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	08/17/2021	Tan	<1.00% Glass <1.00% Wollastonite	100.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	08/17/2021	Tan		100.00% Other	**None Detected**
Sample ID TL1-2 *532101424-0017*		**Description** 1st Floor - Tiled Linoleum **Homogeneity** Heterogeneous			
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	08/17/2021	Tan	<1.00% Glass <1.00% Wollastonite	100.00% Other	**Inconclusive: None Detected**
TEM NYS 198.4 NOB	08/17/2021	Tan		100.00% Other	**None Detected**

Initial report from: 08/17/2021 13:57:21

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

EMSL Order:	532101424
Customer ID:	LIRO50
Customer PO:	19-241-2291
Project ID:	

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos
Sample ID TLM1-1 *532101424-0018*		**Description** 1st Floor - Mastic Yellow (Linoleum) **Homogeneity** Heterogeneous			
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	08/17/2021	White/ Yellow		100.00% Other	**Inconclusive: None Detected**
Result includes a small amount of inseparable attached material					
TEM NYS 198.4 NOB	08/17/2021	White/ Yellow		100.00% Other	**None Detected**
Sample ID TLM1-2 *532101424-0019*		**Description** 1st Floor - Mastic Yellow (Linoleum) **Homogeneity** Heterogeneous			
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	08/17/2021	White/ Yellow		100.00% Other	**Inconclusive: None Detected**
Result includes a small amount of inseparable attached material					
TEM NYS 198.4 NOB	08/17/2021	White/ Yellow	9.70% Fibrous (other)	90.30% Other	**None Detected**
Sample ID DW2-1 *532101424-0020*		**Description** 2nd Floor - White Drywall **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	08/17/2021	White	2.00% Cellulose	85.00% Gypsum 13.00% 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 DW2-2 *532101424-0021*		**Description** 2nd Floor - White Drywall **Homogeneity** Heterogeneous			
PLM NYS 198.1 Friable	08/17/2021	Brown/ White	5.00% Cellulose	85.00% 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 DW2-3 *532101424-0022*		**Description** 2nd Floor - White Drywall **Homogeneity** Heterogeneous			
PLM NYS 198.1 Friable	08/17/2021	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 CP1-1-Plaster 1 *532101424-0023*		**Description** 1st Floor - Gray Ceiling Plaster **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	08/17/2021	Beige		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**

Initial report from: 08/17/2021 13:57:21

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:	532101424
Customer ID:	LIRO50
Customer PO:	19-241-2291
Project ID:	

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos
Sample ID CP1-1-Plaster 2 *532101424-0023A*		**Description** 1st Floor - Gray Ceiling Plaster **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	08/17/2021	Gray	<1.00% Hair	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 CP1-2-Plaster 1 *532101424-0024*		**Description** 1st Floor - Gray Ceiling Plaster **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	08/17/2021	Beige		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 CP1-2-Plaster 2 *532101424-0024A*		**Description** 1st Floor - Gray Ceiling Plaster **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	08/17/2021	Gray	<1.00% Hair	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 CP1-3-Plaster 1 *532101424-0025*		**Description** 1st Floor - Gray Ceiling Plaster **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	08/17/2021	White		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 CP1-3-Plaster 2 *532101424-0025A*		**Description** 1st Floor - Gray Ceiling Plaster **Homogeneity** Homogeneous			
PLM NYS 198.1 Friable	08/17/2021	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 CA1-1 *532101424-0026*		**Description** Exterior- Front Entry Way - White Window Caulk **Homogeneity** Heterogeneous			
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	08/17/2021	White/ Red		100.00% Other	**Inconclusive: None Detected**
Result includes a small amount of inseparable attached material					
TEM NYS 198.4 NOB	08/17/2021	White/ Red		100.00% Other	**None Detected**

Initial report from: 08/17/2021 13:57:21

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:	532101424
Customer ID:	LIRO50
Customer PO:	19-241-2291
Project ID:	

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos
Sample ID CA1-2 *532101424-0027*		**Description**	Exterior- Front Entry Way - White Window Caulk		
		Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable					**Not Analyzed**
PLM NYS 198.6 VCM					**Not Analyzed**
PLM NYS 198.6 NOB	08/17/2021	White/ Red		100.00% Other	**Inconclusive: None Detected**
Result includes a small amount of inseparable attached material					
TEM NYS 198.4 NOB	08/17/2021	White/ Red		100.00% Other	**None Detected**

Initial report from: 08/17/2021 13:57:21

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:	532101424
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:	8/13/2021	Sample Receipt Time:	2:30 PM
Analysis Completed Date:	8/17/2021	Analysis Completed Time:	8:48 AM

Analyst(s):

Jessica Schwartz PLM NYS 198.1 Friable (6)

Melissa Hartwig PLM NYS 198.1 Friable (12)

Jessica Schwartz PLM NYS 198.6 NOB (11)

Melissa Hartwig TEM NYS 198.4 NOB (11)

Samples reviewed and approved by:

Peter Donato, Laboratory Manager
or Other Approved Signatory

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

Initial report from: 08/17/2021 13:57:21

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:	202106295
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:	08/16/21 10:00 AM
Collected:	8/13/2021

Project: **Wayne County Regional Land Bank, Lyons, NY / 46 Canal St.**

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

Client Sample Description	*Lab ID*	*Collected*	*Analyzed*	*Weight*	*Lead* ***Concentration***
PAINT-1	*202106295-0001*	8/13/2021	8/18/2021	0.2505 g	0.65 % wt
	Site: 1ST FLOOR - TAN PAINT				
PAINT-2	*202106295-0002*	8/13/2021	8/18/2021	0.2543 g	0.049 % wt
	Site: 1ST FLOOR - LIGHT GREEN PAINT				
PAINT-3	*202106295-0003*	8/13/2021	8/18/2021	0.2522 g	0.82 % wt
	Site: 2ND FLOOR - DARK GREEN PAINT				

Phillip Worby, Lead Laboratory Manager
or other approved signatory

Initial report from 08/23/2021 09:43:06

EMSL Analytical, Inc.
200 Route 130 North, Cinnaminson, NJ 08077
Phone: (856) 303-2500 Fax: (856) 858-4571 Email: EnvChemistry2@emsl.com

Attn: **J. Seward**
The LiRo Group
690 Delaware Avenue
Buffalo, NY 14209
Phone: (716) 882-5476
Fax: (716) 882-9640

8/23/2021

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 8/16/2021. The results are tabulated on the attached data pages for the following client designated project:

Wayne County Regional Land Bank

The reference number for these samples is EMSL Order #012109236. 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

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:	012109236
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: 8/16/2021 08:45 AM

Project: **Wayne County Regional Land Bank**

Analytical Results

Client Sample Description CA - 1,2,3
Exterior - Entry way window

Collected: 8/13/2021
11:45:00 AM

Lab ID: *012109236-0001*

Method	*Parameter*	*Result*	*RL*	*Units*	*Prep Date & Analyst*		*Analysis Date & Analyst*	
GC-SVOA								
3540C/8082	Aroclor-1016	ND D	0.91	mg/Kg	8/17/2021	ER	8/18/2021 00:00	EH
3540C/8082	Aroclor-1221	ND D	0.91	mg/Kg	8/17/2021	ER	8/18/2021 00:00	EH
3540C/8082	Aroclor-1232	ND D	0.91	mg/Kg	8/17/2021	ER	8/18/2021 00:00	EH
3540C/8082	Aroclor-1242	ND D	0.91	mg/Kg	8/17/2021	ER	8/18/2021 00:00	EH
3540C/8082	Aroclor-1248	ND D	0.91	mg/Kg	8/17/2021	ER	8/18/2021 00:00	EH
3540C/8082	Aroclor-1254	ND D	0.91	mg/Kg	8/17/2021	ER	8/18/2021 00:00	EH
3540C/8082	Aroclor-1260	ND D	0.91	mg/Kg	8/17/2021	ER	8/18/2021 00:00	EH
3540C/8082	Aroclor-1262	ND D	0.91	mg/Kg	8/17/2021	ER	8/18/2021 00:00	EH
3540C/8082	Aroclor-1268	ND D	0.91	mg/Kg	8/17/2021	ER	8/18/2021 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

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

For the National Voluntary Laboratory Accreditation Program

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	*Description*
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

Code	*Description*
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

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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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 SO4)	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

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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

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

Biochemical Oxygen Demand	SM 5210B-2011
Carbonaceous BOD	SM 5210B-2011
Chemical Oxygen Demand	EPA 410.4, Rev. 2.0 (1993)
	SM 5220D-2011

Fuel Oxygenates

Ethanol	EPA 8015D
Methyl tert-butyl ether	EPA 8260D
tert-butyl alcohol	EPA 8260D

Haloethers

2,2'-Oxybis(1-chloropropane)	EPA 625.1
	EPA 8270E
4-Bromophenylphenyl ether	EPA 625.1
	EPA 8270E
4-Chlorophenylphenyl ether	EPA 625.1
	EPA 8270E
Bis(2-chloroethoxy)methane	EPA 625.1
	EPA 8270E
Bis(2-chloroethyl)ether	EPA 625.1
	EPA 8270E

Low Level Halocarbons

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

Low Level Polynuclear Aromatics

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 200.7, Rev. 4.4 (1994)
	EPA 6010D
	EPA 6020B
	EPA 200.8, Rev. 5.4 (1994)
Cadmium, Total	EPA 200.7, Rev. 4.4 (1994)
	EPA 6010D
	EPA 6020B
	EPA 200.8, Rev. 5.4 (1994)
Calcium, Total	EPA 200.7, Rev. 4.4 (1994)

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

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Metals II	
Antimony, Total	EPA 6010D
	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)
Beryllium, 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
Mercury, Total	EPA 245.1, Rev. 3.0 (1994)
	EPA 7470A
	SM 3112B-2011
Selenium, Total	EPA 200.7, Rev. 4.4 (1994)
	EPA 6010D
	EPA 6020B
	EPA 200.8, Rev. 5.4 (1994)
Vanadium, Total	EPA 200.7, Rev. 4.4 (1994)
	EPA 6010D
	EPA 6020B
	EPA 200.8, Rev. 5.4 (1994)
Zinc, Total	EPA 200.7, Rev. 4.4 (1994)
	EPA 6010D
Metals II	
Zinc, Total	EPA 6020B
	EPA 200.8, Rev. 5.4 (1994)
Metals III	
Cobalt, Total	EPA 200.7, Rev. 4.4 (1994)
	EPA 6010D
	EPA 6020B
	EPA 200.8, Rev. 5.4 (1994)
Gold, Total	SM 3111B-2011
Molybdenum, Total	EPA 200.7, Rev. 4.4 (1994)
	EPA 6010D
	EPA 6020B
	EPA 200.8, Rev. 5.4 (1994)
Palladium, Total	SM 3111B-2011
Platinum, Total	SM 3111B-2011
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	
Titanium, Total	EPA 200.8, Rev. 5.4 (1994)
Uranium (Mass)	EPA 200.8, Rev. 5.4 (1994)
Mineral	
Acidity	SM 2310B-2011
Alkalinity	SM 2320B-2011
Chloride	EPA 300.0, Rev. 2.1 (1993)
	EPA 9056A
Fluoride, Total	EPA 300.0, Rev. 2.1 (1993)
	EPA 9056A
Hardness, Total	EPA 200.7, Rev. 4.4 (1994)
Sulfate (as SO4)	EPA 300.0, Rev. 2.1 (1993)
	EPA 9056A
Miscellaneous	
Boron, Total	EPA 200.7, Rev. 4.4 (1994)
	EPA 6010D
	EPA 6020B
Bromide	EPA 300.0, Rev. 2.1 (1993)
	EPA 9056A
Color	SM 2120B-2011
Cyanide, Total	EPA 9014
	SM 4500-CN E-2011
non-Polar Extractable Material (TPH)	EPA 1664A
Oil and Grease Total Recoverable (HEM)	EPA 1664A
Organic Carbon, Total	SM 5310C-2011
Phenols	EPA 420.1 (Rev. 1978)

Miscellaneous	
Phenols	EPA 9065
Silica, Dissolved	EPA 200.7, Rev. 4.4 (1994)
Specific Conductance	EPA 120.1 (Rev. 1982)
	SM 2510B-2011
	EPA 9050A
Sulfide (as S)	EPA 9034
	SM 4500-S2- D-2011
Surfactant (MBAS)	SM 5540C-2011
Turbidity	SM 2130 B-2011
Nitroaromatics and Isophorone	
1,3,5-Trinitrobenzene	EPA 8270E
1,3-Dinitrobenzene	EPA 8270E
1,4-Naphthoquinone	EPA 8270E
2,4-Dinitrotoluene	EPA 625.1
	EPA 8270E
2,6-Dinitrotoluene	EPA 625.1
	EPA 8270E
Isophorone	EPA 625.1
	EPA 8270E
Nitrobenzene	EPA 625.1
	EPA 8270E
Nitrosoamines	
N-Nitrosodiethylamine	EPA 8270E
N-Nitrosodimethylamine	EPA 625.1
	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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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

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MR. PHILLIP M. WORBY
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200 ROUTE 130 NORTH
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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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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
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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All approved analytes are listed below:

Sample Preparation Methods

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

EPA 9010C

NEW YORK STATE OF OPPORTUNITY. Department of Health

Serial No.: 62815

NELAP RECOGNIZED TNI ACCREDITATION BODY

NEW YORK STATE DEPARTMENT OF HEALTH
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All approved analytes are listed below:

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

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All approved analytes are listed below:

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

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	
Chloride	EPA 9056A
Fluoride, Total	EPA 9056A
Sulfate (as SO4)	EPA 9056A
Miscellaneous	
Boron, Total	EPA 6010D
	EPA 6020B
Cyanide, Total	EPA 9014
Phenols	EPA 9065
Sulfide (as S)	EPA 9034
Nitroaromatics and Isophorone	
1,3,5-Trinitrobenzene	EPA 8270E
1,3-Dinitrobenzene	EPA 8270E
1,4-Naphthoquinone	EPA 8270E
2,4-Dinitrotoluene	EPA 8270E
2,6-Dinitrotoluene	EPA 8270E
4-Nitroquinoline-1-oxide	EPA 8270E
Isophorone	EPA 8270E
Nitrobenzene	EPA 8260D
	EPA 8270E
Nitrosoamines	
N-Nitrosodiethylamine	EPA 8270E
N-Nitrosodimethylamine	EPA 8270E
N-Nitrosodi-n-butylamine	EPA 8270E
N-Nitrosodi-n-propylamine	EPA 8270E
Nitrosoamines	
N-Nitrosodiphenylamine	EPA 8270E
N-nitrosomethylethylamine	EPA 8270E
N-nitrosomorpholine	EPA 8270E
N-Nitrosopyrrolidine	EPA 8270E
Nutrients	
Nitrate (as N)	EPA 9056A
Nitrite (as N)	EPA 9056A
Orthophosphate (as P)	EPA 9056A
Petroleum Hydrocarbons	
Diesel Range Organics	EPA 8015D
Gasoline Range Organics	EPA 8015D
Oil and Grease Total Recoverable (HEM)	EPA 9071B (Solvent:Hexane)
Phthalate Esters	
Benzyl butyl phthalate	EPA 8270E
Bis(2-ethylhexyl) phthalate	EPA 8270E
Diethyl phthalate	EPA 8270E
Dimethyl phthalate	EPA 8270E
Di-n-butyl phthalate	EPA 8270E
Di-n-octyl phthalate	EPA 8270E
Polychlorinated Biphenyls	
Aroclor 1016 (PCB-1016)	EPA 8082A
Aroclor 1221 (PCB-1221)	EPA 8082A
Aroclor 1232 (PCB-1232)	EPA 8082A
Aroclor 1242 (PCB-1242)	EPA 8082A

Serial No.: 62817

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

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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

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NY Lab Id No: 10872

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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

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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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
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

NEW YORK STATE OF OPPORTUNITY. Department of Health

Serial No.: 62818

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

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CINNAMINSON, NJ 08077

NY Lab Id No: 10872

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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
Priority Pollutant Phenols	
Phenol	EPA TO-15
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

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

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200 ROUTE 130 NORTH
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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 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

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

Serial No.: 62819

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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
	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

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

SH 432 (8/12)

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE

N.Y.S

JOHN F SEWARD III
CLASS(EXPIRES)
C ATEC(02/22) D INSP(02/22)
H PM (02/22)

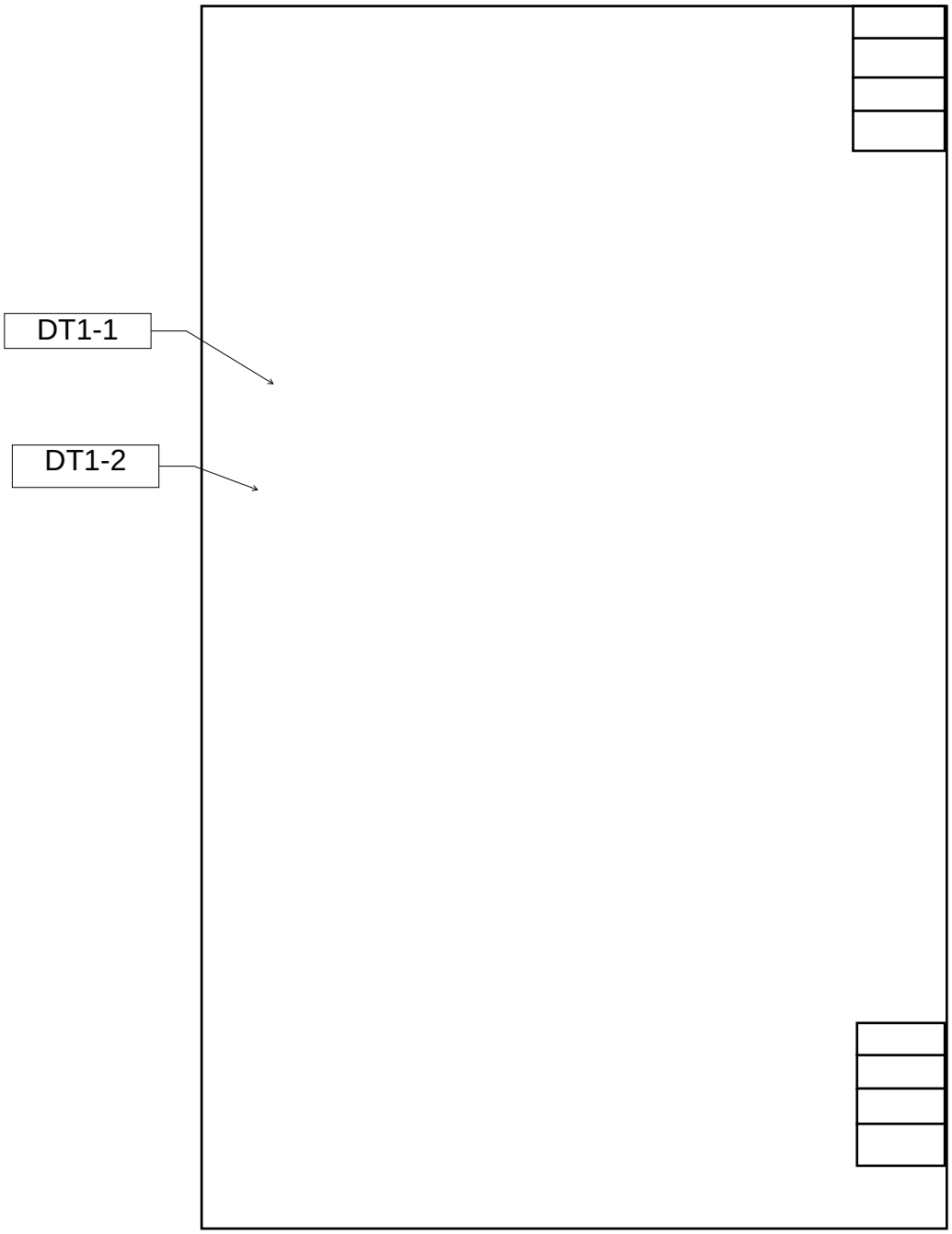
CERT# 15-20772
DMV# 323384175

MUST BE CARRIED ON ASBESTOS PROJECTS

APPENDIX D:

BULK SAMPLE LOCATION DRAWINGS

SAMPLE LOCATION DRAWING- 46 CANAL STREET- BASEMENT

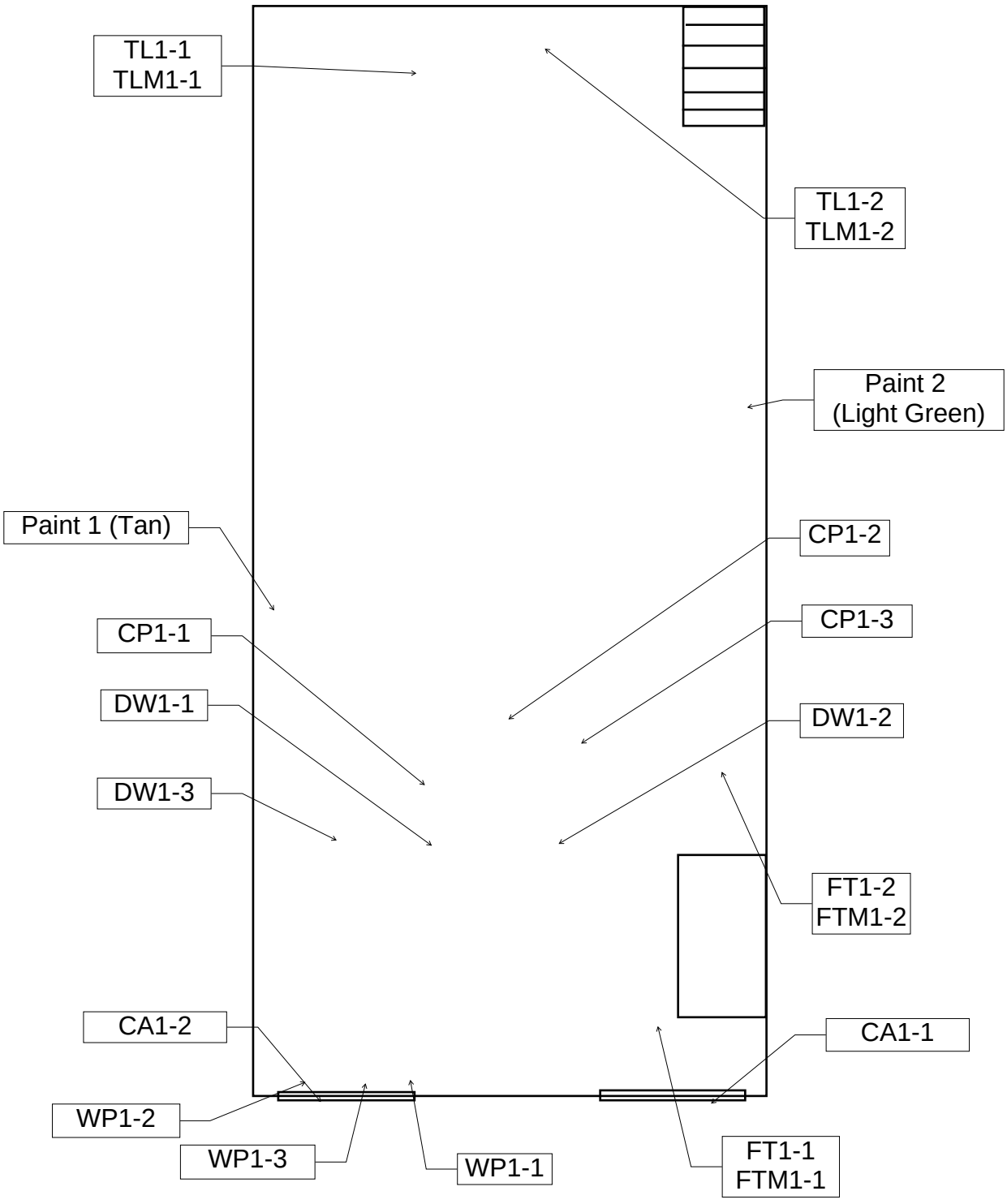


LEGEND

RED- Indicates Positive Sample

BLACK- Indicates Negative Sample

SAMPLE LOCATION DRAWING- 46 CANAL STREET, 1st FLOOR

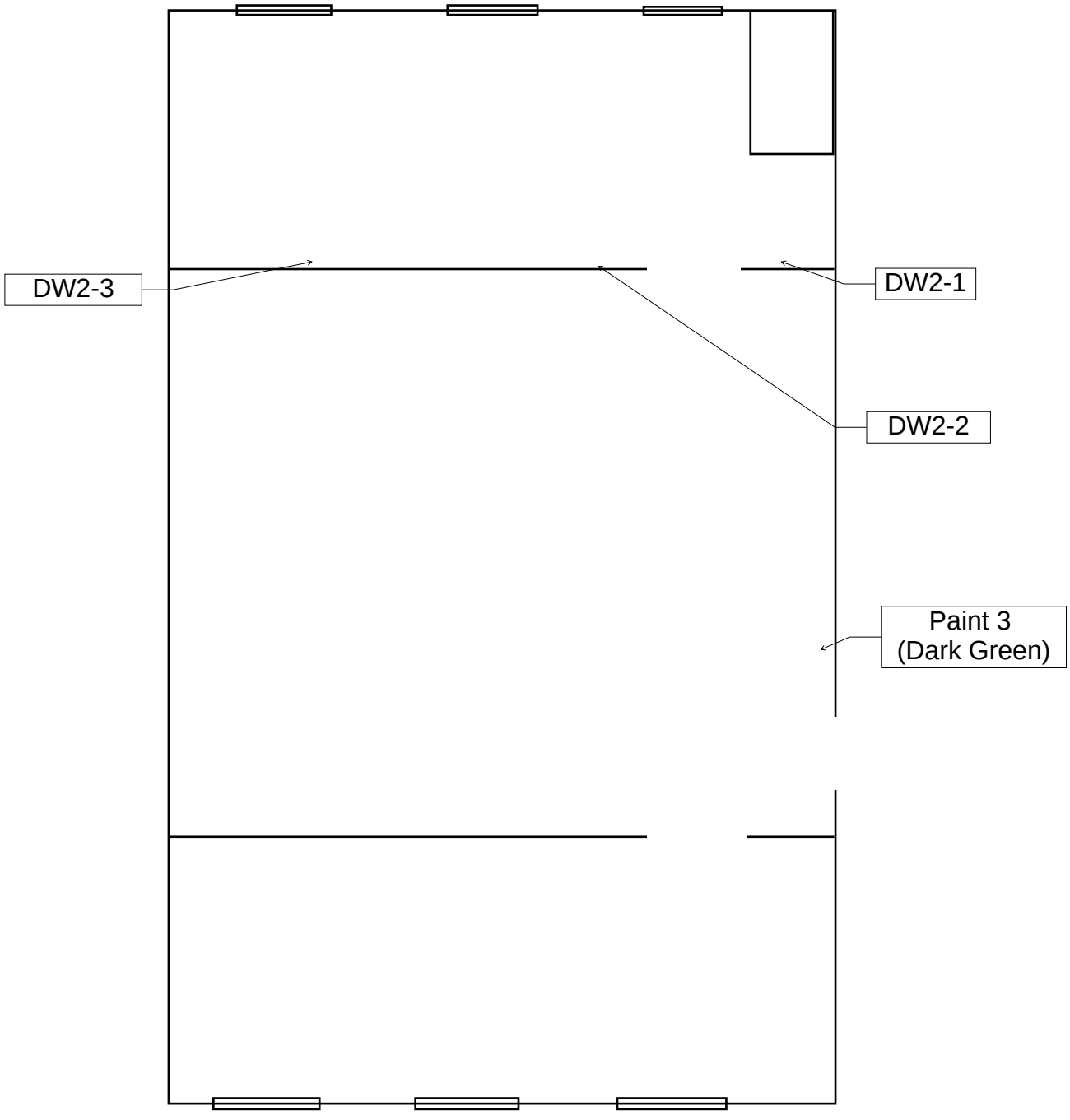


LEGEND

RED- Indicates Positive Sample

BLACK- Indicates Negative Sample

SAMPLE LOCATION DRAWING-46 CANAL STREET- 2nd FLOOR



LEGEND

RED- Indicates Positive Sample

BLACK- Indicates Negative Sample