

ASBESTOS SURVEY REPORT

PTB 196-032

Asbestos Survey for Building Demolition (I-80)

611 S. Des Plaines Street, Joliet, Illinois

Region One/District One

Prepared for:



**Illinois Department of Transportation
District 1**

Submitted to:

**WSP USA
30 N. LaSalle Street
Chicago, IL, 60602**

Prepared by:



December 11, 2024



December 11, 2024

David Skaleski, P.E.
Project Manager
WSP USA
30 N. LaSalle Street, Suite 4200
Chicago, Illinois 60602

Asbestos Survey Report
PTB 198-003
FAI-80 (I-80) over Des Plaines River Bridge
Job N. D-91-204-19
611 S. Des Plaines Street, Joliet, IL
Parcel No. 1P10153

Dear Mr. Skaleski:

GSG Consultants Inc has conducted an Asbestos Survey for the above referenced property in accordance with our contractual agreement. The report provides a description of the site, survey methodology, analytical results, abatement cost estimates, and recommendations.

Should you have any questions or require additional information, please call us at 630-994-2600.

Prepared by:  December 11, 2024
Erin Pahomi
Asbestos Building Inspector
Inspector License No: 100-20674
Date

Reviewed By:  December 11, 2024
Thaddeus Cagney, LPG
Senior Project Manager
Date

QA Manager:  December 11, 2024
Ala E Sassila, Ph.D., PE
Date



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ACRONYMS AND ABBREVIATIONS



ACM	Asbestos-Containing Materials
ACBM	Asbestos-Containing Building Materials
AHERA	Asbestos Hazard Emergency Response Act
CFR	Code of Federal Regulations
COC	Chain of Custody
GSG	GSG Consultants, Inc.
IDOT	Illinois Department of Transportation
IDPH	Illinois Department of Public Health
NESHAP	National Emissions Standards for Hazardous Air Pollutant
NVLAP	National Voluntary Laboratory Accreditation Program
OSHA	Occupational Safety and Health Administration
PLM	Polarized Light Microscopy
RACM	Regulated Asbestos-Containing Material
TSI	Thermal System Insulation
USEPA	United States Environmental Protection Agency

SURVEY SUMMARY

SITE INFORMATION			
FAP Route:	FAI-80 (I-80)	Address:	611 S. Des Plaines Street
County:	Will	City, State, Zip	Joliet, IL 60433
Section:	N/A	Property Type:	Single-Family Residential
IDOT Job No.	D-91-204-19	Construction Date:	N/A
Parcel No.	1P10153	Building Size:	2,400 SF

ASBESTOS CONTAINING MATERIALS	
Survey Date:	November 26, 2024
Weather Conditions:	35°F, Sunny
By Whom:	
Firm:	GSG Consultants, Inc
Inspector:	Tim Walsh
IDPH License No.	100-08900
Results:	
	Number of Material Types Sampled <u>15</u>
	Number of Samples Collected: <u>45</u>
	Number of Materials Tested Positive: <u>0</u>
	Was Friable ACM Found? <u>No</u>
	Were Roofing Materials Sampled? <u>Yes</u>
	Are There Unique State or Local Requirements? <u>No</u>
Laboratory Used:	Name: Sterling Labs Address: 2242 W. Harrison Street, Chicago, Illinois NVLAP: 101202-0
Building Access Limitations:	None



Asbestos Survey Report

Survey Summary

611 S. Des Plaines Street, Joliet, IL

ASBESTOS-CONTAINING MATERIALS (ACM) SURVEY RESULTS:

Parcel No. 1P10153
Residential Property
611 S. Des Plaines Street, Joliet, Illinois

Table 1 provides a list of the homogeneous building material types that were sampled as part of the asbestos survey and the laboratory testing results.

HA No.	Material Description	Location	Type ⁽¹⁾	Condition	Friable	% Asbestos*	# of Samples	Estimated Quantity ⁽²⁾
1	12"x12" White / Tan Floor Tile	Pantry/Closet	Misc.	Good	No	ND	3	N/A
2	12"x12" White / Tan Floor Tile Mastic	Pantry/Closet	Misc.	Good	No	ND	3	N/A
3	Tub & Sink Caulk	1 st Floor Bathroom	Misc.	Good	No	ND	3	N/A
4	Textured Ceiling	Living Room & Front Room	Misc.	Good	No	ND	3	N/A
5	Drywall System	Throughout	Misc.	Good	No	ND	3	N/A
6	Padding under Wood Floor	Front Room	Misc.	Good	No	ND	3	N/A
7	Window Caulk	Throughout	Misc.	Good	No	ND	3	N/A
8	12"x12" White w/ Blue Floor Tile	2 nd Floor Hallway	Misc.	Good	No	ND	3	N/A
9	12"x12" White w/ Blue Floor Tile Mastic	2 nd Floor Hallway	Misc.	Good	No	ND	3	N/A
10	Attic Insulation	Attic	TSI	Good	No	ND	3	N/A
11	Exterior Window Caulk	Exterior	Misc.	Good	No	ND	3	N/A
12	Roofing Material	Addition & Garage	Misc.	Good	No	ND	3	N/A
13	Roofing Material - Original	Roof	Misc.	Good	No	ND	3	N/A
14	Chimney Flashing	Chimney	Misc.	Good	No	ND	3	N/A
15	Chimney Brick	Chimney	Misc.	Good	No	ND	3	N/A
Total Estimated Quantity of ACM								0 SF

(1) TSI= Thermal System Insulation, Surf. = Surfacing Material, and Misc. = Miscellaneous.

(2) Quantities are estimates only, all quantities must be field verified.

1.0 INTRODUCTION

GSG Consultants Inc. (GSG) conducted an Asbestos Survey at Parcel No. 1P10153 located at 611 S. Des Plaines Street in Joliet, Illinois. The site is improved with a two-story, single-family house with an attic, basement and garage. The house is approximately 2,400 square feet in size with an asphalt shingled and rolled roof. The interior walls and ceilings are drywall, and the floors are wood, floor tile, and carpet. The building exterior is masonry and aluminum over wood siding.

GSG conducted the asbestos survey to satisfy requirements of the United States Environmental Protection Agency (USEPA) regulations under 40 CFR Part 61, Subpart M of the National Emission Standards for Hazardous Air Pollutants (NESHAP) and applicable state and local regulations. This was accomplished by conducting a visual inspection of the structures to be impacted by the planned demolition and collecting samples of suspect ACM based on these observations.

The results, findings, conclusions, and recommendations expressed in this report are based on conditions observed during GSG's survey of the project area. The information contained in this report represents conditions at the time of the survey and may not accurately represent conditions at a later date. The conclusions in this report are based on conditions observed in accessible areas of the project area. The possibility exists that suspect hazardous building materials or conditions may exist within wall cavities, voids, or other areas hidden from view which were not observed and cannot be ruled out. Any additional potential hazardous building materials encountered that will be disturbed during the demolition activities and that differ from the materials assessed during this survey, were hidden from view, or were located in an area not accessible will require further sampling and analysis prior to disturbance. The estimated quantities provided herein should be considered approximate and are accurate to the extent allowable under the terms and conditions of our contract. This report has been prepared with generally accepted industry practices and procedures. No other warranty, either expressed or implied, is made.

The investigation did not include access or inspection of confined spaces, underground piping, conduits, and building footings, if any. Materials associated with electrical components and energized equipment were not safely accessible and were not sampled.

2.0 SURVEY METHODOLOGY

The asbestos survey was conducted in compliance with the United States Environmental Protection Agency (USEPA) National Emissions Standards for Hazardous Air Pollutants (NESHAPs), applicable State of Illinois and local asbestos regulations. NESHAP regulations defined regulated asbestos-containing material (RACM) as a friable asbestos material, a Category I non-friable ACM that has become friable, a Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting or abrading, or Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces acting on it during demolition or renovation. The materials were then classified with regard to whether they are friable or non-friable and classified as Class I or Class II non-friable materials, using the following definitions.

- **Friable:** NESHAP defines a friable ACM as any material containing more than one percent (1%) asbestos, which, when dry, may be crumbled, pulverized, or reduced to powder by hand pressure, and includes previously non-friable material where previously non-friable material becomes damaged to the extent that it may be crumbled, pulverized, or reduced to powder by hand pressure.
- **Category I Non-friable ACM:** NESHAP defines a Category I non-friable ACM as packing, gaskets, resilient floor covering (except vinyl sheet flooring products that are considered friable), and asphalt roofing products that contain more than one (1) percent asbestos as determined using the method specified in **Appendix A**, Subpart F, 40 CFR Part 763, Section 1, Polarized Light Microscopy
- **Category II Non-friable ACM:** means any material, excluding Category I non-friable ACM, containing more than 1 percent asbestos as determined using the methods specified in **Appendix A**, Subpart F, 40 CFR Part 763, Section 1, Polarized Light Microscopy that, when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure.

The survey consisted of three major activities: visual inspection, sampling, and quantification of building materials. A brief description of each of the above elements is provided in the following sections.

2.1 Visual Inspection

The inspector conducted an initial building walkthrough to determine the presence and condition of suspect asbestos-containing materials (ACMs) that were accessible and/or exposed. The survey consisted of accessing accessible areas of the buildings to identify and quantify regulated RACM. The inspector identified homogeneous areas (HA) comprised of building materials that appear similar throughout in terms of color and texture and assumed date of installation. Materials that were similar in general appearance were grouped into homogeneous sampling areas. Following the EPA inspection protocol, each identified suspect homogeneous material was placed in one of the following EPA classifications:

1. Surfacing Materials (spray or trowel applied to building members)
2. Thermal System Insulation (materials generally applied to various mechanical systems)
3. Miscellaneous Materials (any materials which do not fit either of the above categories)

2.2 Sampling procedures

The asbestos inspector collected a representative number of samples from each HA. Building materials identified as concrete (not including cement panels or pipe and soft concrete), glass (including fiberglass), wood, masonry, metal, and plastic are not considered suspect ACM and were not sampled. The survey included destructive, intrusive, and/or exploratory testing unless specifically prohibited by IDOT. Destructive sampling is performed to identify materials that are concealed or obstructed. Concealed or obstructed areas include but are not limited to wall cavities, pipe chases, spaces above fixed ceilings, materials located under carpeting or subfloors, and ceramic tile grout/adhesive. Bulk samples of suspect ACM were collected in general accordance with Asbestos Hazard Emergency Response Act (AHERA) sampling protocols, based on the results of the visual observation. Random samples of suspect materials were collected of each HA.

A total of 45 bulk samples of suspect ACM, three (3) samples for each of the 15 homogeneous areas, were collected from various homogeneous areas of the buildings. Bulk samples were collected from the following materials/homogeneous area(s):

- 12"x12" White with Tan Floor Tile & Mastic
- Tub & Sink Caulk
- Textured Ceiling
- Drywall System
- Padding Under Wood Floor
- Window Caulk
- 12"x12" White with Blue Floor Tile and Mastic
- Attic Insulation
- Exterior Window Caulk
- Roofing Material – Addition/Garage
- Roofing Material – Original
- Chimney Flashing
- Chimney Brick

Exhibit 1, Suspect ACM Sample Locations, shows the approximate locations of the suspect ACM collected during the field survey. Samples were placed in new sealable containers and labeled with unique sample numbers using an indelible marker. All non-disposable sampling equipment was wet-wiped and cleaned before and after each use. Bulk material samples were collected in 4-milliliter plastic bags, and tightly sealed for transport to the laboratory. Bulk samples were submitted under a chain-of-custody (COC) protocol to Sterling Labs in Chicago, Illinois.

2.3 Quantification

The inspector estimated the quantities of accessible and/or exposed materials that were suspected of containing asbestos using a measuring wheel and/or visual estimation. Actual quantities may differ between visually estimated values and physical measurements. The asbestos abatement contractor is responsible for verifying



reported quantities of ACM.

3.0 ANALYTICAL RESULTS

3.1 Testing Procedures

Sterling Lab analyzed the bulk samples using polarized light microscopy (PLM) method with dispersion staining techniques per USEPA methodology “Method for the Determination of Asbestos in Bulk Building Materials, EPA/600/R-93/116, July 1993”. This is a standard method of analysis in optical mineralogy and the currently accepted method for the determination of asbestos in bulk samples. A suspect material is immersed in a solution of known refractive index and subjected to illumination by polarized light. The characteristic color displays which enable mineral identification. It should be noted that some ACM may not be accurately identified and/or quantified by PLM. The percentage of asbestos applicable was determined by microscopic visual estimation. Sterling analyzed each layer of each sample, which means if multiple layers are detected in the same sample (i.e., roof field), each layer was analyzed, and a separate result was provided for each layer. If any of the sample results from a homogeneous group had a positive result, that homogeneous group was considered to be ACM. Sterling Labs is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP Accreditation Number 101202-0). Refer to **Appendix D** for laboratory accreditations.

It should be noted that some ACMs might not be accurately identified and/or quantified by PLM. As an example, the original fabrication of vinyl floor tiles routinely involved milling of asbestos fibers to extremely small sizes. As a result, these fibers may go undetected under the standard PLM methods. Transmission Electron Microscopy (TEM) is required for a more definitive analysis of these materials. This survey revealed the presence of floor tiles with less than 1% asbestos via PLM analysis. GSG recommends additional analysis by TEM as described above and recommended by the Illinois Department of Public Health.

3.2 Findings

GSG identified a total of 15 HAs from which 45 samples were collected and analyzed. Results are summarized in **Table 1** and include a description of each material, location, material type, test results, and estimated quantity. Materials indicated to have a “negative” result were confirmed by PLM analysis to be non-asbestos-containing. The laboratory results are provided in **Appendix A** and reference photographs are included in **Appendix B**. The USEPA defines ACM as a material containing greater than 1% asbestos. Materials containing less than 1% asbestos are not regulated by the USEPA or the State of Illinois, but their disturbance is regulated by OSHA.

The laboratory reported that asbestos was Not Detected (ND) in all of the bulk samples collected by GSG.

4.0 RECOMMENDATIONS

GSG understands that the residential property will be demolished as part of the I-80 improvement project. ACMs identified at the site must be removed/managed in accordance with all federal, state, and local regulations governing asbestos. ACMs abatement and management are subject to the US Environmental Protection Agency (USEPA), the Occupational and Health Administration (OSHA), Illinois Department of Public Health (IDPH), the Illinois Environmental Protection Agency (Illinois EPA), and other applicable Federal, State, and Local Government regulations. The following regulations governing asbestos removal and disposal:

1. U.S. Environmental Protection Agency Regional National Emissions Standards for Hazardous Air Pollutants (NESHAP) (40 CFR Part 61 Subpart A and M).
2. U.S. Department of Transportation "Hazardous Substances Final Rule" 49 CFR 171 and 172, November 21, 1986, February 17, 1987.
3. U.S. Department of Labor Occupational Safety and Health Administration (OSHA) Asbestos Regulations (Code of Federal Regulations Title 29, Part 1910, Section 1910.1001 and Part 1926, Section 1926.1101).
4. State of Illinois, Commercial and Public Building Asbestos Abatement Act. Illinois Department of Public Health, Rules for Asbestos Abatement for Public and Private Schools and Commercial and Public Buildings in Illinois (77 IL Admin. Code 855).

All friable asbestos-containing building materials (ACBMs) identified shall be removed from any building(s) or other structures before demolition. Non-friable ACMs may be left in place, unless during demolition, the ACMs may become friable.

Any suspect material that is discovered during the project activities and is not listed in **Table 1**, were not tested during this survey. Such materials shall be assumed and treated as ACM until tested and proven otherwise. If ACM is identified, GSG recommends the preparation of an asbestos abatement project design before any demolition. An asbestos abatement design plan and specifications should include information regarding the location of containments and barriers, type of sealant, and air sampling requirements and clearance during the asbestos abatement activities. The asbestos design plan and specifications shall be prepared and signed by an IDPH licensed asbestos project designer following Illinois regulations. Before starting any abatement activities, an Asbestos Abatement notification is required for all asbestos projects and must be applied for at least ten (10) working days before the start of the project. A building demolition notification is required for all demolition projects and must be applied for at least ten (10) working days before the start of the project.

Abatement and Emergency Response shall be conducted only by IDPH licensed asbestos abatement contractor(s) under the supervision of a licensed asbestos project manager in accordance with all applicable federal, state, and local regulations. Workers who abate or manage asbestos must receive the proper training and licensing. OSHA prescribes required personnel monitoring including air monitoring and medical monitoring (ref 29 CFR 1926.1101). Personnel protective equipment and procedures are also required.

All asbestos waste generated from the required pre-demolition removal activities during the project must be wetted before it is double bagged in 6-millimeter plastic bags and enclosed in a plastic, leak-tight container with

a lid and proper labeling. Discharge no visible emissions to the outside air during the collection, processing, packaging, or transporting of any asbestos-containing waste material. Asbestos waste is a “special waste” in Illinois. Asbestos-containing waste can only be disposed of in Subtitle D landfills that are designated to receive asbestos waste.

5.0 LIMITATIONS

This report has been prepared for the exclusive use of the Illinois Department of Transportation (IDOT) and its Design Section Engineer consultant. GSG warrants that the investigations and methodology reflect our best efforts based upon the prevailing standard of care in the environmental field. This assessment was limited to those materials which were readily visible and with limited demolition and removal of building components. Additional suspect materials may be located behind walls and ceilings. The survey is subject to the following limitations.

- The investigation did not include sampling on any system which may present a hazard to the inspection team such as energized electrical systems or within confined spaces
- Materials associated with electrical components and energized equipment were not safely accessible and were not sampled.
- Estimated quantities of the ACMs are based on observations during the field survey and additional materials may be concealed or were not accessible. Therefore, all estimated quantities shall be field verified by the abatement contractor.

6.0 CERTIFICATION

The undersigned hereby affirm that the conditions described herein are accurate to the best of our knowledge and belief and are subject to the limitations inherent in the investigative techniques used and any expressed limitations of this survey. Applicable licensing to perform the described survey activities was valid at the time of performance of services in accordance with applicable federal, state and local laws, rules, and regulations.

Inspection Performed By:

Tim Walsh

Asbestos Inspector's Name

100-08900

IDPH License Number



Asbestos Inspector's Signature

12.11.2024

Date

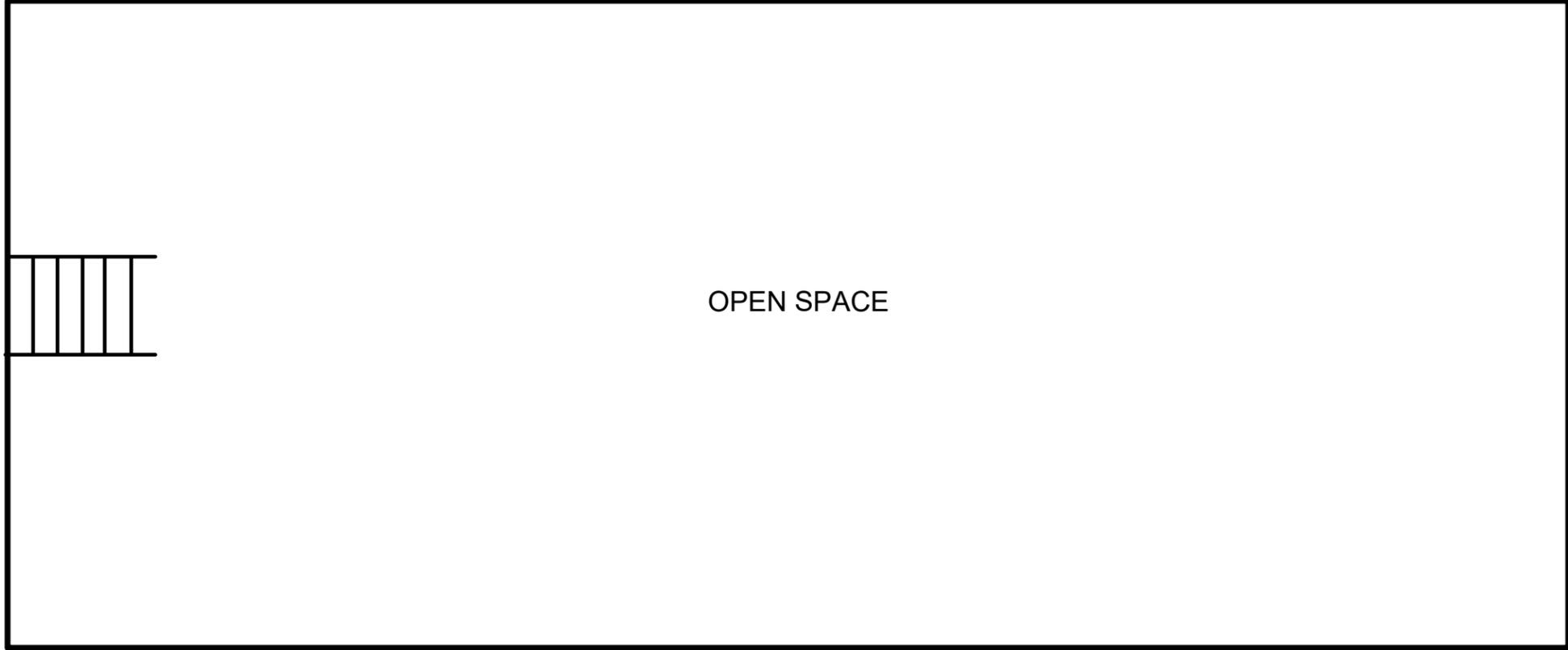
EXHIBITS

Exhibit 1

Suspect ACM Sample Location Plans

EXHIBIT 1

SL-1, SL-2, SL-3, and SL-4 Suspect ACM Sample Location Plans



BASEMENT
SCALE = N.T.S.



*NO SUSPECT ACM WAS SAMPLED IN THE BASEMENT

SUSPECT ASBESTOS-CONTAINING MATERIALS SAMPLE LOCATION PLAN

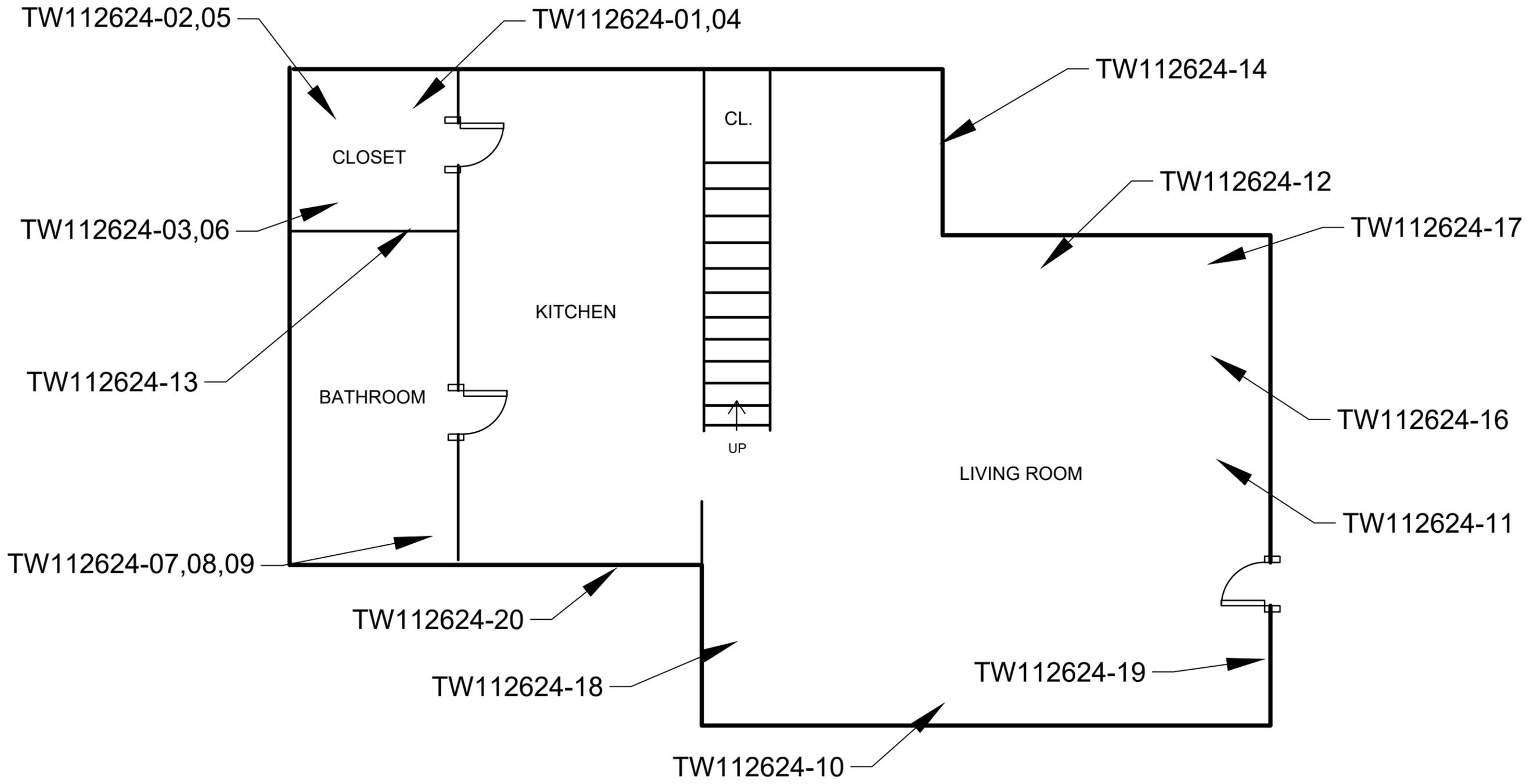
ASBESTOS SURVEY FOR BUILDING DEMOLITION (I-80)
611 DES PLAINES STREET
JOLIET, IL, 60433



DRAWN BY:	PROJECT:
EP	21-2007
CHECKED BY:	SCALE:
TC	NTS
DATE:	SHEET #:
12/5/2024	1 OF 4

SHEET NAME:

SL-1



FIRST FLOOR
 SCALE = N.T.S.



LEGEND

SUSPECT ACM SAMPLE LOCATIONS: TW112624-XX
 BATCH NUMBER: 373104

SUSPECT ASBESTOS-CONTAINING MATERIALS SAMPLE LOCATION PLAN

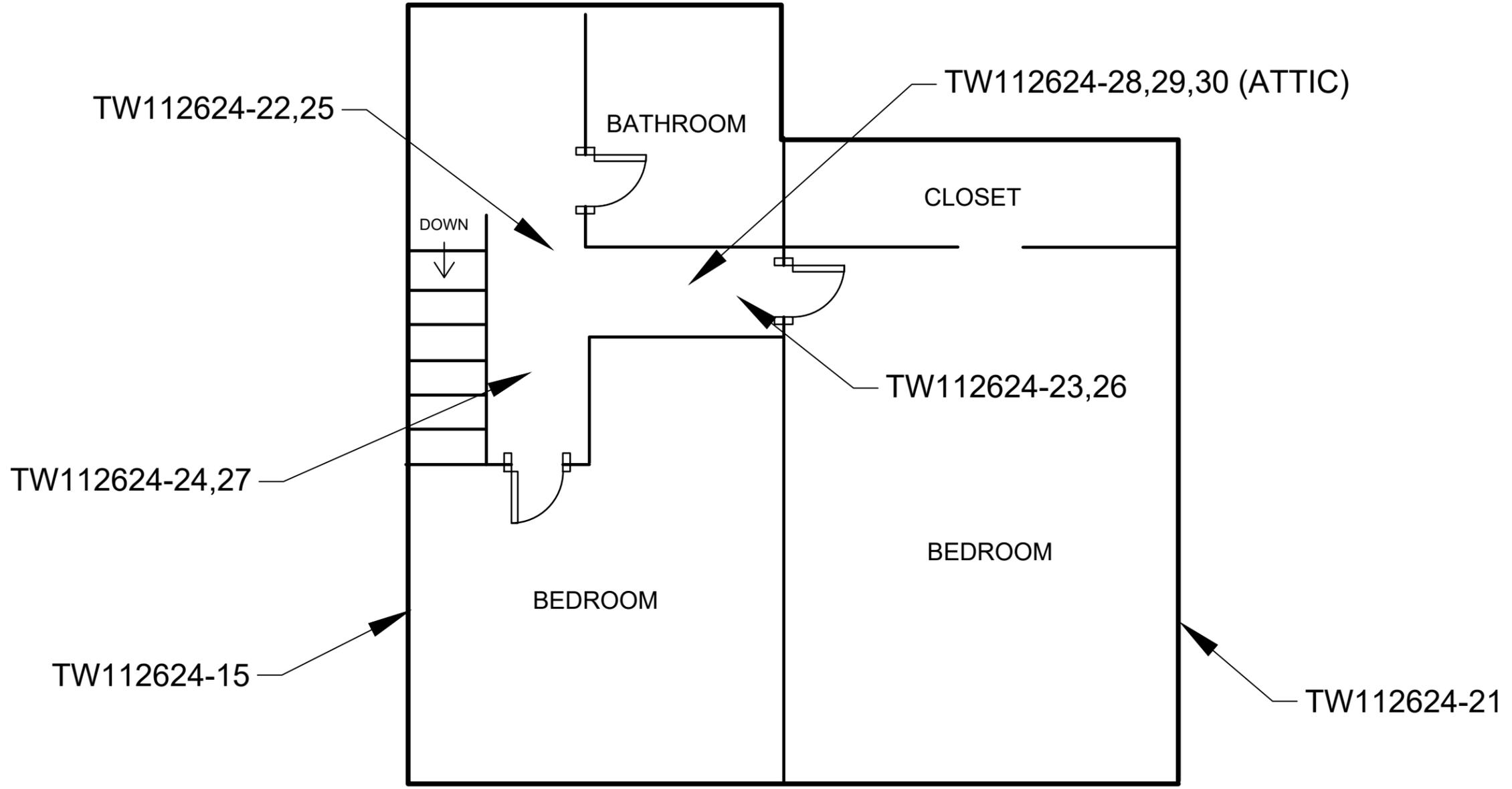
ASBESTOS SURVEY FOR BUILDING DEMOLITION (I-80)
 611 DES PLAINES STREET
 JOLIET, IL, 60433



DRAWN BY:	PROJECT:
EP	21-2007
CHECKED BY:	SCALE:
TC	NTS
DATE:	SHEET #:
12/5/2024	2 OF 4

SHEET NAME:

SL-2



SECOND FLOOR
SCALE = N.T.S.



LEGEND

SUSPECT ACM SAMPLE LOCATIONS: TW112624-XX
BATCH NUMBER: 373104

SUSPECT ASBESTOS-CONTAINING MATERIALS SAMPLE LOCATION PLAN

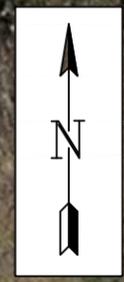
ASBESTOS SURVEY FOR BUILDING DEMOLITION (I-80)
611 DES PLAINES STREET
JOLIET, IL, 60433



DRAWN BY:	PROJECT:
EP	21-2007
CHECKED BY:	SCALE:
TC	NTS
DATE:	SHEET #:
12/5/2024	3 OF 4

SHEET NAME:

SL-3



SUSPECT ASBESTOS-CONTAINING MATERIALS SAMPLE LOCATION PLAN

ASBESTOS SURVEY FOR BUILDING DEMOLITION (I-80)
611 DES PLAINES STREET
JOLIET, IL, 60433



DRAWN BY:	PROJECT:
EP	21-2007
CHECKED BY:	SCALE:
TC	NTS
DATE:	SHEET #:
12/5/2024	4 OF 4

SHEET NAME:

SL-4

LEGEND
 SUSPECT ACM SAMPLE LOCATIONS: TW112624-XX
 BATCH NUMBER: 373104

APPENDIX A

Analytical Testing Results



ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY

Method: EPA/600/R-93/116

GSG Consultants, Inc.
735 Remington Road
Schaumburg, IL 60173
Phone: (630) 994-2600
Fax: (312) 733-5612

Reference:

Location: 611 DesPlaines

Batch No.: 373104

Customer No.: 4651

Date Received: 11/27/2024

Date Analyzed: 12/03/2024

Date Reported: 12/03/2024

Turn Around Time: 3 Days

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
373104001	TW112624-1	ND	Binder 99-100%
373104002	TW112624-2	ND	Binder 99-100%
373104003	TW112624-3	ND	Binder 99-100%
373104004	TW112624-4	ND	Cellulose 1-5% Binder 95-99%
373104005	TW112624-5	ND	Cellulose 1-5% Binder 95-99%
373104006	TW112624-6	ND	Cellulose 1-5% Binder 95-99%
373104007	TW112624-7	ND	Binder 99-100%
373104008	TW112624-8	ND	Binder 99-100%
373104009	TW112624-9	ND	Binder 99-100%
373104010	TW112624-10	ND	Cellulose 1-5% Binder 95-99%
373104011	TW112624-11	ND	Cellulose 1-5% Binder 95-99%
373104012	TW112624-12	ND	Cellulose 1-5% Binder 95-99%
373104013	TW112624-13	ND	Cellulose 5-10% Binder 90-95%

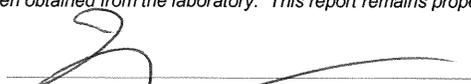
ND = Asbestos Not Detected (Not Present) NA = Not Analyzed NS = Not Submitted

Components of inhomogeneous samples are analyzed per our Standard Operating Procedure, or per customer request.

The use of the NVLAP logo does not imply endorsement by NVLAP or any agency of the US Government.

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Analyzed by Name :


Zineb Nasri - Microscopist

ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY

Method: EPA/600/R-93/116

GSG Consultants, Inc.
 735 Remington Road
 Schaumburg, IL 60173
 Phone: (630) 994-2600
 Fax: (312) 733-5612

Reference:

Location: 611 DesPlaines

Batch No.: 373104

Customer No.: 4651

Date Received: 11/27/2024

Date Analyzed: 12/03/2024

Date Reported: 12/03/2024

Turn Around Time: 3 Days

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
373104014	TW112624-14	ND	Cellulose 5-10% Binder 90-95%
373104015	TW112624-15	ND	Cellulose 5-10% Binder 90-95%
373104016	TW112624-16	ND	Cellulose 80-85% Other 15-20%
373104017	TW112624-17	ND	Cellulose 80-85% Other 15-20%
373104018	TW112624-18	ND	Cellulose 80-85% Other 15-20%
373104019	TW112624-19	ND	Cellulose 1-5% Binder 95-99%
373104020	TW112624-20	ND	Cellulose 1-5% Binder 95-99%
373104021	TW112624-21	ND	Cellulose 1-5% Binder 95-99%
373104022	TW112624-22	ND	Binder 99-100%
373104023	TW112624-23	ND	Binder 99-100%
373104024	TW112624-24	ND	Binder 99-100%

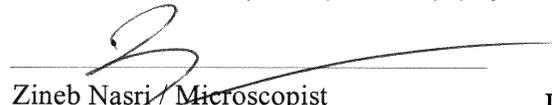
ND = Asbestos Not Detected (Not Present) NA = Not Analyzed NS = Not Submitted

Components of inhomogeneous samples are analyzed per our Standard Operating Procedure, or per customer request.

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Analyzed by Name :



Zineb Nasri / Microscopist

Date: 12/03/2024

ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY

Method: EPA/600/R-93/116

GSG Consultants, Inc.
 735 Remington Road
 Schaumburg, IL 60173
 Phone: (630) 994-2600
 Fax: (312) 733-5612

Reference:

Location: 611 DesPlaines

Batch No.: 373104

Customer No.: 4651

Date Received: 11/27/2024

Date Analyzed: 12/03/2024

Date Reported: 12/03/2024

Turn Around Time: 3 Days

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
373104025	TW112624-25	ND	Cellulose 1-5% Binder 95-99%
373104026	TW112624-26	ND	Cellulose 1-5% Binder 95-99%
373104027	TW112624-27	ND	Cellulose 1-5% Binder 95-99%
373104028	TW112624-28	ND	Binder 15-20% Glass 80-85%
373104029	TW112624-29	ND	Cellulose 1-5% Binder 95-99%
373104030	TW112624-30	ND	Cellulose 1-5% Binder 95-99%
373104031	TW112624-31	ND	Cellulose 1-5% Binder 95-99%
373104032	TW112624-32	ND	Cellulose 1-5% Binder 95-99%
373104033	TW112624-33	ND	Cellulose 1-5% Binder 95-99%
373104034	TW112624-34	ND	Cellulose 10-15% Binder 85-90%

ND = Asbestos Not Detected (Not Present) NA = Not Analyzed NS = Not Submitted

Components of inhomogeneous samples are analyzed per our Standard Operating Procedure, or per customer request.

The use of the NVLAP logo does not imply endorsement by NVLAP or any agency of the US Government.

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This report remains property of STAT Analysis until payment is received in full (see invoice).

Analyzed by Name :


 Zineb Nasri / Microscopist

Date: 12/03/2024



ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY

Method: EPA/600/R-93/116

GSG Consultants, Inc.
735 Remington Road
Schaumburg, IL 60173
Phone: (630) 994-2600
Fax: (312) 733-5612

Reference:

Location: 611 DesPlaines
Batch No.: 373104
Customer No.: 4651

Date Received: 11/27/2024

Date Analyzed: 12/03/2024

Date Reported: 12/03/2024

Turn Around Time: 3 Days

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
373104035	TW112624-35	ND	Cellulose 10-15% Binder 85-90%
373104036	TW112624-36	ND	Cellulose 10-15% Binder 85-90%
373104037	TW112624-37	ND	Cellulose 10-15% Binder 85-90%
373104038	TW112624-38	ND	Cellulose 10-15% Binder 85-90%
373104039	TW112624-39	ND	Cellulose 10-15% Binder 85-90%
373104040	TW112624-40	ND	Cellulose 10-15% Binder 85-90%
373104041	TW112624-41	ND	Cellulose 10-15% Binder 85-90%
373104042	TW112624-42	ND	Cellulose 10-15% Binder 85-90%
373104043	TW112624-43	ND	Cellulose 1-5% Binder 95-99%
373104044	TW112624-44	ND	Cellulose 1-5% Binder 95-99%

ND = Asbestos Not Detected (Not Present) NA = Not Analyzed NS = Not Submitted

Components of inhomogeneous samples are analyzed per our Standard Operating Procedure, or per customer request.

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Analyzed by Name :


Zineb Nasri / Microscopist



ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY

Method: EPA/600/R-93/116

GSG Consultants, Inc.
735 Remington Road
Schaumburg, IL 60173
Phone: (630) 994-2600
Fax: (312) 733-5612

Reference:

Location: 611 DesPlaines

Batch No.: 373104

Customer No.: 4651

Date Received: 11/27/2024

Date Analyzed: 12/03/2024

Date Reported: 12/03/2024

Turn Around Time: 3 Days

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
373104045	TW112624-45	ND	Cellulose 1-5% Binder 95-99%

ND = Asbestos Not Detected (Not Present) NA = Not Analyzed NS = Not Submitted

Components of inhomogeneous samples are analyzed per our Standard Operating Procedure, or per customer request.

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The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This report remains property of STAT Analysis until payment is received in full (see invoice).

Analyzed by Name :

Zineb Nasri / Microscopist

Date: 12/03/2024



PLM BULK LABORATORY ANALYSIS FORM

Project Name: <i>611 Des Plaines</i>	Project Manager:
Project Number:	Building Inspector:
Project Address:	IDPH Number:
City/ State:	Work Day: S M T W TH F S
Client:	Analyze by Method:
Date: <i>11/26/24</i>	EPA/600/R-93-116

Field Number	HA Number	Type of material, specific sample location (i.e. Room Number, Building Construction Date)
<i>TW112624-1</i>	<i>HA-1</i>	<i>12x12 White w/ Tan F.T. - Entry/Close</i>
<i>-2</i>	<i> </i>	<i> </i>
<i>-3</i>	<i> </i>	<i> </i>
<i>-4</i>	<i>HA-2</i>	<i>Mastic</i>
<i>-5</i>	<i> </i>	<i> </i>
<i>-6</i>	<i> </i>	<i> </i>
<i>-7</i>	<i>HA-3</i>	<i>Tub & Sink Caulk - 1st Fl. Bath</i>
<i>-8</i>	<i> </i>	<i> </i>
<i>-9</i>	<i> </i>	<i> </i>
<i>10</i>	<i>HA-4</i>	<i>Textured Ceiling - Living Rm + Front Rm</i>
<i>11</i>	<i> </i>	<i> </i>
<i>12</i>	<i> </i>	<i> </i>
<i>13</i>	<i>HA-5</i>	<i>Drywall System - Throughout</i>
<i>14</i>	<i> </i>	<i> </i>
<i>15</i>	<i> </i>	<i> </i>

TURN AROUND TIME:	<input type="radio"/> 1 Day <input type="radio"/> 2 Days <input checked="" type="radio"/> 3 Days <input type="radio"/> (5 Day) Other	COMMENTS: E-mail Results to: epahomi@gsg-consultants.com STOP AT FIRST POSITIVE
-------------------	---	--

CHAIN OF CUSTODY RECORD

Collected By (Signature) <i>[Signature]</i>	Date: <i>11/26/24</i>	Time:	Relinquished by (Signature) <i>[Signature]</i>	Date: <i>11/27/24</i>	Time:
Received by: (Signature)	Date:	Time:	Relinquished by: (signature)	Date:	Time:
Dispatched by: (Signature, if mailed)	Date:	Time:	Received for Laboratory by: <i>DB/L</i>	Date: <i>11/27/24</i>	Time: <i>16:50</i>



PLM BULK LABORATORY ANALYSIS FORM

Project Name: <i>611 Des Plaines</i>	Project Manager:
Project Number:	Building Inspector:
Project Address:	IDPH Number:
City/ State:	Work Day: S M T W TH F S
Client:	Analyze by Method:
Date: <i>11/26/24</i>	EPA/600/R-93-116

Field Number	HA Number	Type of material, specific sample location (i.e. Room Number, Building Construction Date)
<i>TR 112624-16</i>	<i>HA-6</i>	<i>Packaging under wheel floor</i>
<i>17</i>	<i> </i>	<i>Front Reception</i>
<i>18</i>	<i> </i>	
<i>19</i>	<i>HA-7</i>	<i>Windows Caulk</i>
<i>20</i>	<i> </i>	
<i>21</i>	<i> </i>	
<i>22</i>	<i>HA-8</i>	<i>1222 white wall/Blue F.T.</i>
<i>23</i>	<i> </i>	<i>2nd Fl. Hallway</i>
<i>24</i>	<i> </i>	
<i>25</i>	<i>HA-9</i>	<i>Mastic</i>
<i>26</i>	<i> </i>	
<i>27</i>	<i> </i>	
<i>28</i>	<i>HA-10</i>	<i>Attic Insulation</i>
<i>29</i>	<i> </i>	
<i>30</i>	<i> </i>	

TURN AROUND TIME:	<input type="radio"/> 1 Day <input type="radio"/> 2 Days <input checked="" type="radio"/> 3 Days <input type="radio"/> (5 Day) Other	COMMENTS: E-mail Results to: epahomi@gsg-consultants.com STOP AT FIRST POSITIVE
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CHAIN OF CUSTODY RECORD

Collected By (Signature) <i>[Signature]</i>	Date: <i>11/26/24</i>	Time:	Relinquished by (Signature) <i>[Signature]</i>	Date: <i>11/27/24</i>	Time:
Received by: (Signature)	Date:	Time:	Relinquished by: (signature)	Date:	Time:
Dispatched by: (Signature, if mailed)	Date:	Time:	Received for Laboratory by:	Date:	Time:

Definitions: BLK-Bulk Sample, PLM-Polarized Light Microscopy, TEM-Transmission Electron Microscope.



PLM BULK LABORATORY ANALYSIS FORM

Project Name: <i>Call ResPlanes</i>	Project Manager:
Project Number:	Building Inspector:
Project Address:	IDPH Number:
City/ State:	Work Day: S M T W TH F S
Client:	Analyze by Method:
Date: <i>11/26/24</i>	EPA/600/R-93-116

Field Number	HA Number	Type of material, specific sample location (i.e. Room Number, Building Construction Date)
<i>20122624 - 31</i>	<i>HA-11</i>	<i>Exterior Window Caulk</i>
<i>32</i>	<i>↓</i>	<i>↓</i>
<i>33</i>	<i>↓</i>	<i>↓</i>
<i>34</i>	<i>HA-12</i>	<i>Roofing Material Addition & Garage</i>
<i>35</i>	<i>↓</i>	<i>↓</i>
<i>36</i>	<i>↓</i>	<i>↓</i>
<i>37</i>	<i>HA-13</i>	<i>Roofing Material - Original</i>
<i>38</i>	<i>↓</i>	<i>↓</i>
<i>39</i>	<i>↓</i>	<i>↓</i>
<i>40</i>	<i>HA-14</i>	<i>Chimney Flashing</i>
<i>41</i>	<i>↓</i>	<i>↓</i>
<i>42</i>	<i>↓</i>	<i>↓</i>
<i>43</i>	<i>HA-15</i>	<i>Chimney Back</i>
<i>44</i>	<i>↓</i>	<i>↓</i>
<i>45</i>	<i>↓</i>	<i>↓</i>

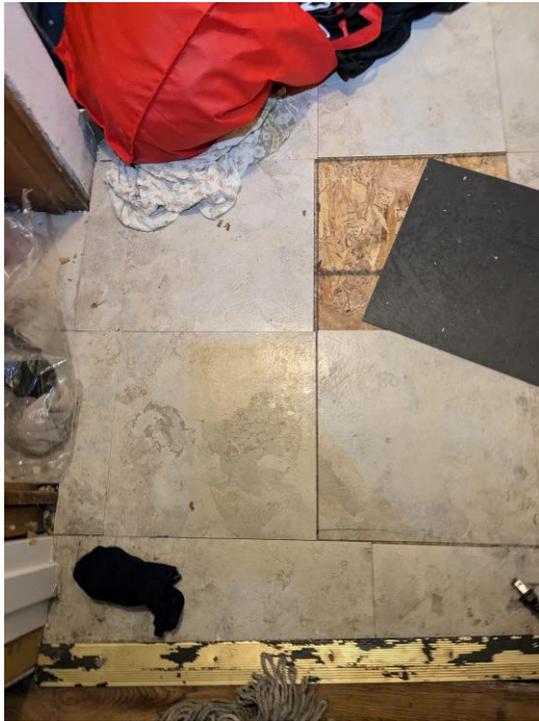
TURN AROUND TIME:	<input type="radio"/> 1 Day <input type="radio"/> 2 Days <input checked="" type="radio"/> 3 Days <input type="radio"/> (5 Day) Other	COMMENTS: E-mail Results to: epahomi@gsg-consultants.com STOP AT FIRST POSITIVE
-------------------	---	--

CHAIN OF CUSTODY RECORD

Collected By (Signature) <i>[Signature]</i>	Date: <i>11/26/24</i>	Time:	Relinquished by (Signature) <i>[Signature]</i>	Date: <i>11/27/24</i>	Time:
Received by: (Signature)	Date:	Time:	Relinquished by: (signature)	Date:	Time:
Dispatched by: (Signature, if mailed)	Date:	Time:	Received for Laboratory by:	Date:	Time:

APPENDIX B

Reference Photographs



Material Description:
Suspect ACM 12"x12" White
with Tan Floor Tile and
Mastic

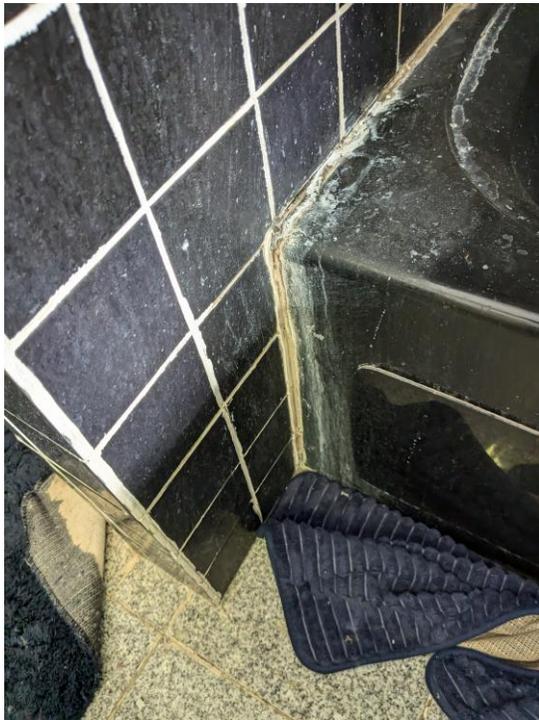
Photo Location:
Pantry

**ILLINOIS DEPARTMENT OF
TRANSPORTATION
I-80 OVER DES PLAINES RIVER BRIDGE
IMPROVEMENTS**



GSG Consultants, Inc.
735 Remington Road
Schaumburg, Illinois 60173

Date: 11/26/24



Material Description:
Suspect ACM Tub and Sink
Caulk

Photo Location:
First Floor Bathroom

**ILLINOIS DEPARTMENT OF
TRANSPORTATION
I-80 OVER DES PLAINES RIVER BRIDGE
IMPROVEMENTS**



GSG Consultants, Inc.
735 Remington Road
Schaumburg, Illinois 60173

Date: 11/26/24



Material Description:
Suspect ACM Textured
Ceiling Tile

Photo Location:
Living Room

**ILLINOIS DEPARTMENT OF
TRANSPORTATION
I-80 OVER DES PLAINES RIVER BRIDGE
IMPROVEMENTS**



GSG Consultants, Inc.
735 Remington Road
Schaumburg, Illinois 60173

Date: 11/26/24



Material Description:
Suspect ACM Drywall
System

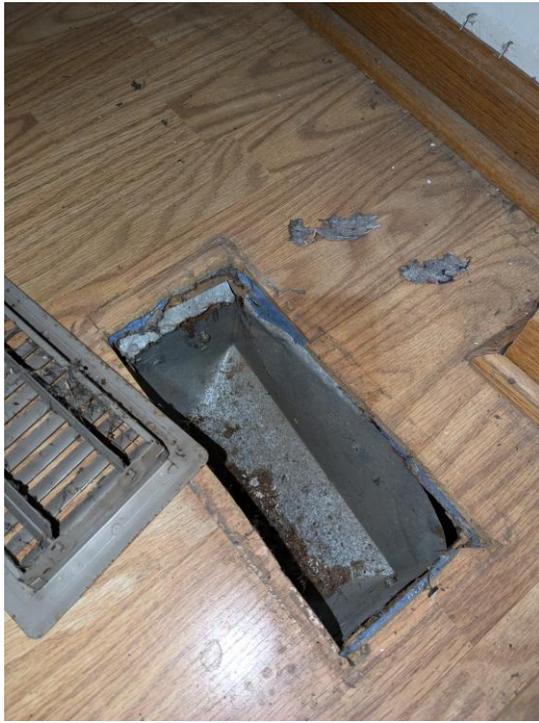
Photo Location:
Living Room

**ILLINOIS DEPARTMENT OF
TRANSPORTATION
I-80 OVER DES PLAINES RIVER BRIDGE
IMPROVEMENTS**



GSG Consultants, Inc.
735 Remington Road
Schaumburg, Illinois 60173

Date: 11/26/24



Material Description:
Suspect ACM Vent Padding

Photo Location:
Front Room

**ILLINOIS DEPARTMENT OF
TRANSPORTATION
I-80 OVER DES PLAINES RIVER BRIDGE
IMPROVEMENTS**



GSG Consultants, Inc.
735 Remington Road
Schaumburg, Illinois 60173

Date: 11/26/24



Material Description:
Suspect ACM Window Caulk

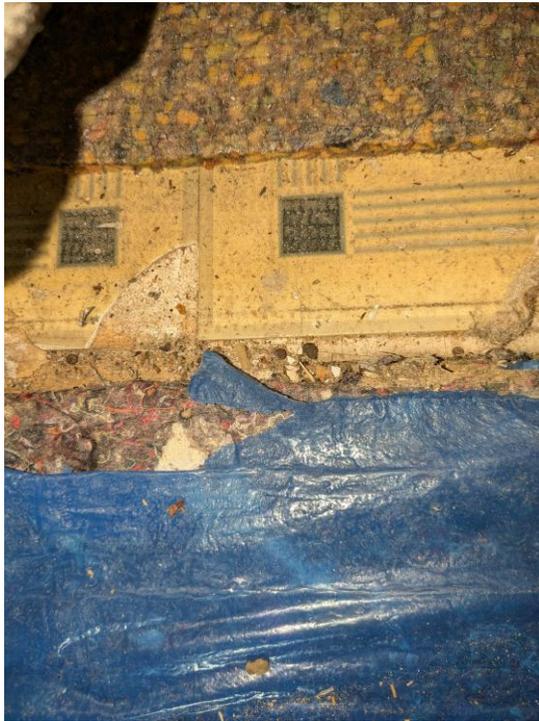
Photo Location:
Living Room

**ILLINOIS DEPARTMENT OF
TRANSPORTATION
I-80 OVER DES PLAINES RIVER BRIDGE
IMPROVEMENTS**



GSG Consultants, Inc.
735 Remington Road
Schaumburg, Illinois 60173

Date: 11/26/24



Material Description:
Suspect ACM 12"x12' White
with Blue Floor Tile and
Mastic

Photo Location:
Second Floor Hallway

**ILLINOIS DEPARTMENT OF
TRANSPORTATION
I-80 OVER DES PLAINES RIVER BRIDGE
IMPROVEMENTS**



GSG Consultants, Inc.
735 Remington Road
Schaumburg, Illinois 60173

Date: 11/26/24



Material Description:
Suspect ACM Attic
Insulation

Photo Location:
Attic

**ILLINOIS DEPARTMENT OF
TRANSPORTATION
I-80 OVER DES PLAINES RIVER BRIDGE
IMPROVEMENTS**



GSG Consultants, Inc.
735 Remington Road
Schaumburg, Illinois 60173

Date: 11/26/24



Material Description:
Suspect ACM Window Caulk

Photo Location:
Exterior

**ILLINOIS DEPARTMENT OF
TRANSPORTATION
I-80 OVER DES PLAINES RIVER BRIDGE
IMPROVEMENTS**



GSG Consultants, Inc.
735 Remington Road
Schaumburg, Illinois 60173

Date: 11/26/24



Material Description:
Suspect ACM Roofing
Material

Photo Location:
Roof

**ILLINOIS DEPARTMENT OF
TRANSPORTATION
I-80 OVER DES PLAINES RIVER BRIDGE
IMPROVEMENTS**



GSG Consultants, Inc.
735 Remington Road
Schaumburg, Illinois 60173

Date: 11/26/24



Material Description:
Suspect ACM Chimney Brick
and Flashing

Photo Location:
Roof

**ILLINOIS DEPARTMENT OF
TRANSPORTATION
I-80 OVER DES PLAINES RIVER BRIDGE
IMPROVEMENTS**



GSG Consultants, Inc.
735 Remington Road
Schaumburg, Illinois 60173

Date: 11/26/24

APPENDIX C

Inspector Licenses and Training Certifications



**ASBESTOS
PROFESSIONAL
LICENSE**

ID NUMBER
100 - 08900

ISSUED
3/1/2024

EXPIRES
05/15/2025

TIMOTHY WALSH
15237 LAPORTE AVE
OAK FOREST, IL 60452



Environmental Health

ENDORSEMENTS

TC EXPIRES

INSPECTOR

1/27/2025

PROJECT MANAGER
AIR SAMPLING PROFESSIONAL

8/30/2024

Alteration of this license shall result in legal action
This license issued under authority of the State of Illinois
Department of Public Health
This license is valid only when accompanied by a valid
training course certificate.

APPENDIX D

Laboratory Accreditations

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 101202-0

STAT Analysis Corporation
Chicago, IL

*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 on ISO/IEC 17025).*

2024-07-01 through 2025-06-30

Effective Dates



A handwritten signature in blue ink, which appears to read "Dana S. Laman".

For the National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

STAT Analysis Corporation

Sterling Labs
2242 W. Harrison St. Suite 200
Chicago, IL 60612
Carolyn Mazzuca
Phone: 312-733-0551
Email: cmazzuca@statanalysis.com

ASBESTOS FIBER ANALYSIS

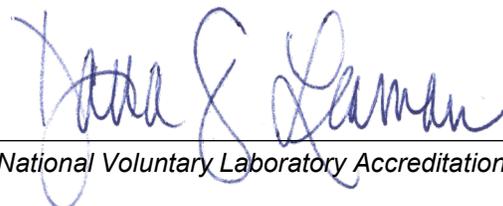
NVLAP LAB CODE 101202-0

Bulk Asbestos Analysis

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

Airborne Asbestos Analysis

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



For the National Voluntary Laboratory Accreditation Program