

**PRE-CONSTRUCTION HAZARDOUS MATERIAL SURVEY
for ASBESTOS CONTAINING MATERIAL and LEAD BASED PAINT**

**CHABOT COLLEGE
BUILDING 3500
25555 HESPERIAN BOULEVARD
HAYWARD, CALIFORNIA**



PREPARED BY:
North Tower Environmental
1485 Bayshore Boulevard, #185
San Francisco, California

July 3, 2025

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for ASBESTOS CONTAINING MATERIAL and LEAD BASED PAINT**

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A. EXECUTIVE SUMMARY

This summary is not to be read as a stand-alone document. The report shall be read in its entirety. The reader must review the detailed information provided in the accompanying text. Any interpretation, use and conclusion resulting from the data contained in this report is the responsibility of the reader.

North Tower Environmental (NTE) conducted a Pre-Construction Hazardous Materials Survey for the upcoming construction project at Building 3500 located on the campus of Chabot College in Hayward, California. Sampling was limited to inspecting the building for visible and accessible suspect Asbestos Containing Material (ACM) and Lead Based Paint (LBP).

B. INTRODUCTION

NTE was requested by the Chabot-Chabot Community College District (CLPCCD) to conduct a Pre-Renovation Hazardous Materials Survey in Building 3500 for visible and accessible interior ACM and LBP. The areas impacted by the project encompass most of the building interior, exterior, and roof.

The approach used to meet the stated objective did not include the use of destructive surveying methods, such as breaking into wall voids, and penetrating inaccessible wall or ceiling cavities to locate suspect materials. The survey was conducted by Pedro Rico, Cal/OSHA Certified Asbestos Consultants. Consultant certifications are contained in Appendix A.

C. WORK DESCRIPTION: SURVEY METHODOLOGY AND FINDINGS

Bulk Asbestos Sample Collection and Testing Procedures: Bulk samples were collected from various suspect ACM and LBP. The sampling was limited to the scope of the planned renovation project. The samples were collected by cutting the materials with a razor knife and/or scraping with a handheld chisel.

Laboratory results are presented in Tables 1 and 2, and laboratory reports are contained in Appendix B. All samples, along with a completed chain of custody, were sent to Micro Analytical of Emeryville, California. Micro Analytical is accredited by the National Institute of Standards and Technology and by the National Voluntary Laboratory Accreditation Program. Bulk asbestos samples were analyzed by polarized light microscopy (PLM).

During the inspection 64 bulk samples of suspect asbestos containing material were collected. The Sample Location Diagram contained in Appendix C identifies the area where the bulk asbestos samples were collected.

Analytical Results

Laboratory reports indicate asbestos is present in two of the 64 samples submitted for PLM analysis. The table below summarizes the materials that contain asbestos as well as the locations they were found.

Table 1 contains a detailed summary of all materials sampled. If any material other than those listed in Table 1 are found, it is recommended that the material be assumed to contain asbestos until sampled.

BUILDING 3500 – CHABOT COLLEGE		
SUMMARY OF ASBESTOS		
Material	Location	Asbestos Content
Concrete	Throughout Exterior Building Perimeter – Walkways / Slab	<1% Chrysotile
Fire Core Doors	Throughout	Presumed ACM

D. LEAD PAINT SURVEY AND FINDINGS

Background

The U.S. Department of Housing and Urban Development (HUD) is the federal agency responsible for assessing public housing for Lead-Based Paint (LBP) hazards, and HUD has developed and published procedures for use in measuring LBP in residential settings. HUD’s Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing (HUD, June 1995, with 1997 Chapter 7 Revision) are recognized as the industry standard for assessing LBP in residential properties. Although the HUD Guidelines do not directly apply to non-residential facilities, they do provide an industry benchmark for the testing and assessment of lead in soil, dust, and paint. For reference purposes, HUD and the U. S. EPA define “lead-based paint” as paint having a concentration of lead equal to or greater than 1.0 milligram per square centimeter (1.0 mg/cm²) by X-ray fluorescence (XRF) analyzer, or greater than 0.5% by weight (5,000 parts per million [ppm]) by laboratory analysis.

The Cal/OSHA Construction Industry Safety Orders for Lead (8 CCR §1532.1, et. seq.) apply to all construction work where an employee may be occupationally exposed to lead, and the standard regulates construction work practices involving any detectable concentrations of lead. Therefore, all construction-related work performed on surface coatings or building components containing detectable concentrations of lead must be done in compliance with the requirements of this standard.

The California Department of Public Health (CDPH) also regulates lead-related construction (as well as the generation and control of lead hazards) in residential and public buildings. CDPH uses the same definition of “lead-based paint” as do HUD and EPA. CDPH enforces the requirements of Title 17 of the California Code of Regulations, Division 1, Chapter 8 governing the Accreditation, Certification, and Work Practices for Lead-Based Paint and Lead Hazards (17 CCR §335001, et. seq.).

OSHA Specific Requirements

The presence of lead, lead-contaminated dust and/or lead-containing paint requires that specialized work practices be used during construction or renovation work to ensure that individuals involved in the work are adequately protected against elevated exposure to lead. Cal/OSHA regulates lead exposures for the construction industry in its Construction Safety Orders for Lead (8 CCR §1532.1, et. seq.).

Lead Waste Disposal Requirements

The California Department of Toxic Substances Control (DTSC) regulates the disposal of lead-containing wastes within California. The hazardous waste determination is dependent, in part, upon the physical state of the waste. If, for example, lead-containing paint is separated from its respective substrate building material during the renovation or dismantling of the building (e.g., chemically or physically removed), the paint debris should be evaluated independently from the substrate material to which paint is still adhered to determine its proper management and disposal.

Lead Testing Results

A total of four (12) painted surfaces were sampled and submitted to the lab for Flame Atomic Absorption (Flame AA) analysis. Five (5) bulk samples of ceramic tiles were sampled and submitted to the lab for Total Threshold Limit Concentration (TTLC) lead analysis. Laboratory reports indicate that lead was present in multiple paints and materials. The table below summarizes the paint and materials found to contain lead as well as their location.

Table 2 contains a detailed listing of all the paint and materials sampled. Appendix C contains the lead laboratory reports and chain of custody documentation. Any paints applied to the subject building that were not sampled, should be assumed to contain lead unless bulk paint chip sampling and laboratory analysis determines otherwise.

LEAD PAINT INSPECTION SUMMARY		
Material	Location	
Lead-Based Paint	Throughout Building Exterior Gutter System	<ul style="list-style-type: none">• Dark Brown Paint on Gutters
Lead-Containing Materials	Room 128, 134, and 137 Sink Countertops	<ul style="list-style-type: none">• Large White Ceramic Tile
Lead-Containing Paint	Remainder of painted/coated/varnished/glazed building finishes and components throughout interior and exterior of buildings. This includes, but is not limited to, walls, ceilings, floors, trim, facia, soffits, casework/cabinets; equipment; pipes; conduit; fences; bumpers; asphalt and concrete striping; and all other painted finishes and components.	

E. LIMITATIONS

The reported results in this report are intended for discussion and informational purposes only. These results should not be solely used in the preparation or design of specific asbestos abatement response options without the supplement of additional field-specific and material-specific information.

The judgments, conclusions, and recommendations described in this report pertain to the conditions judged to be present or applicable at the time the work was performed. Future conditions may differ from those described herein and this report is not intended for use in future evaluations of the facility unless an update is conducted by a Certified Asbestos Consultant familiar with currently used asbestos survey practices and this subject facility.

North Tower Environmental performed its services using that degree of care and skill ordinarily exercised under similar conditions by reputable members of our profession practicing in the same or similar locality. No other warranty, expressed or implied, is made or intended by our performance of consulting services or by furnishing our written report. This report has been prepared on behalf of and exclusively for the use of CLPCCD. This report shall not, in whole or in part, be disseminated or conveyed to any other party, or be used or relied upon by any other party, in whole or in part, without the prior written consent of North Tower Environmental.

Use of this report is provided to CLPCCD solely for its exclusive use and shall be subject to the terms and conditions in the applicable agreement between CLPCCD and North Tower Environmental. Any third-party use of this report shall also be subject to the terms and conditions governing the work in the agreement between CLPCCD and North Tower Environmental. Any unauthorized release or misuse of this report shall be without risk to North Tower Environmental.

Certain information contained in this report may have been rightfully provided to North Tower by third parties or other outside sources. North Tower Environmental does not make any warranties or representations, whether expressed or implied, regarding the accuracy of such information, and shall not be held accountable or responsible in the event that any such inaccuracies are present.

F. CONCLUSIONS and RECOMMENDATIONS

- The intent of sampling was to identify whether the predominant materials to be impacted by planned renovation project were asbestos containing material (ACM). All materials not identified in this report that are present or discovered at the site must be assumed to contain asbestos until sampled and proven otherwise.
- Asbestos was identified in the exterior concrete walkways / slab. Construction work involving the disturbance or removal of ACM (materials containing greater than 0.1% asbestos) should be conducted in accordance with Cal/OSHA 8 CCR, 1529 by a licensed, certified, and registered asbestos abatement contractor. Any disturbance of ACM requires asbestos training, use of proper work practices and use containment techniques that prevent asbestos exposure to surrounding areas.
- Lead-based paint and lead-containing paint / materials were detected during analysis of the samples submitted for analysis. Paints not sampled as part of this survey (and other suspect lead containing materials) should be assumed to contain lead until sampled by a CDPH-certified Inspector/Assessor and analyzed by an accredited laboratory.
- For all work to be performed on surfaces coated with any detectable level of lead, the contractor must comply with Cal/OSHA Construction Safety Orders, Lead, Section 1532.1, Title 8, CCR and CDPH Title 17. The work shall be performed in compliance with applicable regulations in order to protect employee, the environment and the surrounding community from the potential hazards associated with lead.

TABLE 1
(SUMMARY OF ASBESTOS SAMPLING RESULTS)

TABLE 1

**Asbestos Sampling Results - Polarized Light Microscopy (PLM) Analysis
Chabot College - Building 3500 Pre-Construction Survey
25555 Hesperian Boulevard, Hayward, California**

Sample Number	Building Material	Location	Asbestos Content
NT-5041-052125-GB-1A	Red/Purple Vinyl Wall Cover / Gypsum Board / Taping Mud	Room 126 North Wall	No Asbestos Detected
NT-5041-052125-GB-2A	Red/Purple Vinyl Wall Cover / Gypsum Board / Taping Mud	Room 126 Northwest Wall	No Asbestos Detected
NT-5041-052125-GB-3A	Red/Purple Vinyl Wall Cover / Gypsum Board / Taping Mud	Room 121 North Wall	No Asbestos Detected
NT-5041-052125-GB-4A	Red/Purple Vinyl Wall Cover / Gypsum Board / Taping Mud	Southwest Corridor Wall	No Asbestos Detected
NT-5041-052125-GB-5A	Red/Purple Vinyl Wall Cover / Gypsum Board / Taping Mud	Northwest Corridor Wall	No Asbestos Detected
NT-5041-052125-GB-1B	Gypsum Board / Taping Mud	Room 127 North Wall	No Asbestos Detected
NT-5041-052125-GB-2B	Gypsum Board / Taping Mud	Room 129 Northwest Wall	No Asbestos Detected
NT-5041-052125-GB-3B	Gypsum Board / Taping Mud	Room 117 West Wall	No Asbestos Detected
NT-5041-052125-GB-4B	Gypsum Board / Taping Mud	Room 142 Southeast Wall	No Asbestos Detected
NT-5041-052125-GB-5B	Gypsum Board / Taping Mud	Room 114 East Wall	No Asbestos Detected
NT-5041-052125-GB-1C	Gray Vinyl Wall Cover / Gypsum Board / Taping Mud	Room 112 Northwest Wall	No Asbestos Detected
NT-5041-052125-GB-2C	Gray Vinyl Wall Cover / Gypsum Board / Taping Mud	Room 112 Northeast Wall	No Asbestos Detected
NT-5041-052425-SV-1A	Beige Pebble Pattern Sheet Vinyl	Room 127	No Asbestos Detected
NT-5041-052425-SV-2A	Beige Pebble Pattern Sheet Vinyl	Room 123	No Asbestos Detected
NT-5041-052425-SV-1B	Gray Stone Pattern Sheet Vinyl	Room 117	No Asbestos Detected
NT-5041-052425-SV-2B	Gray Stone Pattern Sheet Vinyl	Room 120	No Asbestos Detected
NT-5041-052425-SV-1C	Beige Stone Pattern Sheet Vinyl	Room 121	No Asbestos Detected
NT-5041-052425-SV-2C	Beige Stone Pattern Sheet Vinyl	Room 121	No Asbestos Detected

TABLE 1

**Asbestos Sampling Results - Polarized Light Microscopy (PLM) Analysis
Chabot College - Building 3500 Pre-Construction Survey
25555 Hesperian Boulevard, Hayward, California**

Sample Number	Building Material	Location	Asbestos Content
NT-5041-052425-SV-1D	Blue Pebble Pattern Sheet Vinyl	Room 136	No Asbestos Detected
NT-5041-052425-SV-1E	Gray Pebble Pattern Sheet Vinyl	Room 133	No Asbestos Detected
NT-5041-052125-SU-1A	Sink Undercoat	Room 136 Stainless Steel Sink	No Asbestos Detected
NT-5041-052125-SU-2A	Sink Undercoat	Room 117 Stainless Steel Sink	No Asbestos Detected
NT-5041-052125-CF-1A	Blue / Multi Colored Carpet	Room 117	No Asbestos Detected
NT-5041-052125-CF-1B	Blue Carpet	Room 107	No Asbestos Detected
NT-5041-052125-FT-1A	12" x 12" White Pebble Pattern Vinyl Floor Tile	Room 142	No Asbestos Detected
NT-5041-052125-FT-2A	12" x 12" White Pebble Pattern Vinyl Floor Tile	Central Hallway Area Near 120	No Asbestos Detected
NT-5041-052425-ACT-1A	12" x 12" Ceiling Tile / Mastic	Room 117 Ceiling on Unfinished Gypsum Board	No Asbestos Detected
NT-5041-052425-ACT-2A	12" x 12" Ceiling Tile / Mastic	Room 133 Ceiling on Unfinished Gypsum Board	No Asbestos Detected
NT-5041-052125-ACT-1B	2' x 4' Pin Hole Lay-In Ceiling Tile	Entry Area Suspended Ceiling System	No Asbestos Detected
NT-5041-052125-ACT-2B	2' x 4' Pin Hole Lay-In Ceiling Tile	Southwest Hallway Suspended Ceiling System	No Asbestos Detected
NT-5041-052125-HS-1A	HVAC Sealant	Square HVAC Duct Above Drop Ceiling - Entry Area	No Asbestos Detected
NT-5041-052125-HS-2A	HVAC Sealant	Square HVAC Duct Above Drop Ceiling - Room 107	No Asbestos Detected
NT-5041-052125-DS-1A	Door Sealant	Entry Area Interior Side of Sliding Door to Wall Seam	No Asbestos Detected
NT-5041-052125-DS-2A	Door Sealant	Entry Area Exterior Side of Sliding Door to Wall Seam	No Asbestos Detected
NT-5041-052125-WS-1A	Window Sealant	Room 107 Interior Window to Wall Seam	No Asbestos Detected
NT-5041-052125-WS-2A	Window Sealant	Room 126 Exterior Window to Wall Seam	No Asbestos Detected
NT-5041-052125-CT-1A	2" x 2" Pink Ceramic Tile / Grout	Room 110 Wall	No Asbestos Detected

TABLE 1

**Asbestos Sampling Results - Polarized Light Microscopy (PLM) Analysis
Chabot College - Building 3500 Pre-Construction Survey
25555 Hesperian Boulevard, Hayward, California**

Sample Number	Building Material	Location	Asbestos Content
NT-5041-052125-CT-2A	2" x 2" Pink Ceramic Tile / Grout	Room 134 Wall	No Asbestos Detected
NT-5041-052125-CT-1B	2" x 2" Dark Gray Ceramic Tile / Grout	Room 119 Floor	No Asbestos Detected
NT-5041-052125-CT-2A	1" x 1" Pink Ceramic Tile / Grout	Room 110 Floor	No Asbestos Detected
NT-5041-052125-CT-2A	1" x 1" Dark Pink Ceramic Tile / Grout	Room 134 Floor	No Asbestos Detected
NT-5041-052125-CT-2A	2" x 2" Glossy Pink Ceramic Tile / Grout	Room 134 Floor Cove	No Asbestos Detected
NT-5041-052125-CT-2A	Large White Ceramic Tile / Grout	Room 134 Sink Area Countertop	No Asbestos Detected
NT-5041-052125-BC-1A	6" Black Basecoat / Mastic	Room 126	No Asbestos Detected
NT-5041-052125-BC-2A	6" Black Basecoat / Mastic	Room 121	No Asbestos Detected
NT-5041-052125-BC-1B	6" Gray Basecoat / Mastic	Southwest Hallway	No Asbestos Detected
NT-5041-052125-BC-2B	6" Gray Basecoat / Mastic	Northwest Hallway	No Asbestos Detected
NT-5041-052125-BC-1C	4" Gray Basecoat / Mastic	117 West Wall	No Asbestos Detected
NT-5041-052125-BC-2C	4" Gray Basecoat / Mastic	117B North Wall	No Asbestos Detected
NT-5041-052125-C-1A	Concrete	Room 107 Floor Slab	No Asbestos Detected
NT-5041-052125-C-2A	Concrete	Room 136 Floor Slab	No Asbestos Detected
NT-5041-052125-CS-1A	Concrete Sealant	Room 127 Slab Seam	No Asbestos Detected
NT-5041-052125-CS-2A	Concrete Sealant	Room 127 Slab Seam	No Asbestos Detected
NT-5041-052125-SV-1D	Gray Epoxy Style Sheet Vinyl	Room 140 Floor	No Asbestos Detected
NT-5041-052125-SV-2D	Gray Epoxy Style Sheet Vinyl	Room 140 Floor	No Asbestos Detected
NT-5041-052125-RS-1A	Sealant	Metal Roof Overhang to Permanent Roof Fascia Seam at 117	No Asbestos Detected

TABLE 1

**Asbestos Sampling Results - Polarized Light Microscopy (PLM) Analysis
Chabot College - Building 3500 Pre-Construction Survey
25555 Hesperian Boulevard, Hayward, California**

Sample Number	Building Material	Location	Asbestos Content
NT-5041-052125-RS-2A	Sealant	Metal Roof Overhang to Permanent Roof Fascia Seam at 122	No Asbestos Detected
NT-5041-052125-RS-3A	Sealant	Metal Roof Overhang to Permanent Roof Fascia Seam at 136	No Asbestos Detected
NT-5041-052125-ST-1A	Stucco	Northeast Exterior Wall at 117	No Asbestos Detected
NT-5041-052125-ST-2A	Stucco	East Exterior Wall at 122	No Asbestos Detected
<i>NT-5041-052125-C-1B</i>	<i>Concrete</i>	<i>Northeast Exterior Slab Near 117</i>	<i><1% Chrysotile</i>
<i>NT-5041-052125-C-2B</i>	<i>Concrete</i>	<i>West Exterior Slab Near 111</i>	<i><1% Chrysotile</i>
NT-5041-052125-RC-1A	Red Rubber Coating	Northeast Exterior on Concrete Pad Near 117	No Asbestos Detected
NT-5041-052125-RC-2A	Red Rubber Coating	Northeast Exterior on Concrete Pad Near 118	No Asbestos Detected

TABLE 2
(SUMMARY OF LEAD PAINT SAMPLING RESULTS)

TABLE 2

**Lead Paint Chip Sampling Data - Flame AA Analysis
Chabot College - Building 3500 Pre-Construction Survey
25555 Hesperian Boulevard, Hayward, California**

Sample Number	Sample Date	Sample Information	Sample Location/Substrate	Coating Condition	Sample Results (parts per million, ppm)
NT-5041-052125-L-01	5/21/2025	White Paint	Room 127 West Gypsum Board Wall	Intact	< 78
NT-5041-052125-L-02	5/21/2025	White Paint	Room 114 Southeast Gypsum Board Wall	Intact	< 79
NT-5041-052125-L-03	5/21/2025	Blue and Red Paint	Hallway Interior Metal Window Frame at Room 120 Window	Intact	< 88
NT-5041-052125-L-04	5/21/2025	Purple and Red Paint	Room 120 Metal Door	Intact	< 78
NT-5041-052125-L-05	5/21/2025	Pink Paint	Northeast Exterior Stucco Wall	Intact	< 78
NT-5041-052125-L-06	5/21/2025	White Paint	Northeast/117 Overhang Metal Post	Intact	1,500
NT-5041-052125-L-07	5/21/2025	White Paint	Interior Steel Post at Hallway Near Room 120	Intact	< 78
NT-5041-052125-L-08	5/21/2025	White and Red Paint	Room 122 Interior Metal Window Frame	Intact	< 78
NT-5041-052125-L-09	5/21/2025	Dark Pink Paint	Room 127 Exterior Roll-Up Door	Intact	180
NT-5041-052125-L-10	5/21/2025	White Paint	Northeast Roof Metal Fascia	Intact	< 78
NT-5041-052125-L-11	5/21/2025	Dark Brown Paint	117 Overhang Gutter	Intact	13,000
NT-5041-052125-L-12	5/21/2025	White Paint	Northeast Roof Wood Fascia	Intact	< 79

TABLE 3
(SUMMARY OF LEAD TTLC SAMPLING RESULTS)

TABLE 3

**Lead Bulk Material Sampling Data - Total Threshold Limit Concentration (TTL) Analysis
Chabot College - Building 3500 Pre-Construction Survey
25555 Hesperian Boulevard, Hayward, California**

Sample Number	Sample Date	Sample Information	Sample Location/Substrate	Sample Results (parts per million, ppm)
NT-5041-052125-LB-01	5/21/2025	2" x 2" Pink Ceramic Tile	Room 110 Wall	< 10
NT-5041-052125-LB-02	5/21/2025	1" x 1" Dark Pink Ceramic Tile	Room 134 Floor	< 10
NT-5041-052125-LB-03	5/21/2025	2" x 2" Pink/Purple Ceramic Tile	Room 134 Wall	< 10
NT-5041-052125-LB-04	5/21/2025	2" x 2" Glossy Pink Ceramic Tile	Room 134 Floor Cove	< 10
NT-5041-052125-LB-05	5/21/2025	Large White Ceramic Tile	Room 134 Sink Countertop	18

APPENDIX A
(CONSULTANT CERTIFICATIONS)

State of California
Division of Occupational Safety and Health
Certified Asbestos Consultant
Carolyn M Henry



Name

Certification No. **92-0837**

Expires on **01/08/2026**

This certification was issued by the Division of Occupational Safety and Health as authorized by Sections 7180 et seq of the Business and Professions Code.



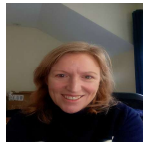


STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH



LEAD-RELATED CONSTRUCTION CERTIFICATE

INDIVIDUAL:



Carolyn HENRY

CERTIFICATE TYPE:

Lead Inspector/Assessor

Lead Project Monitor

NUMBER:

LRC-00003888

LRC-00003887

EXPIRATION DATE:

12/20/2025

12/20/2025

Disclaimer: This document alone should not be relied upon to confirm certification status. Compare the individual's photo and name to another valid form of government issued photo identification. Verify the individual's certification status by searching for Lead-Related Construction Professionals at www.cdph.ca.gov/programs/clppb or calling (800) 597-LEAD

State of California
Division of Occupational Safety and Health
Certified Asbestos Consultant
Pedro Arturo Rico

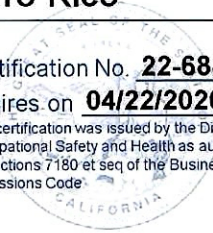


Name

Certification No. **22-6886**

Expires on **04/22/2026**

This certification was issued by the Division of Occupational Safety and Health as authorized by Sections 7180 et seq of the Business and Professions Code.





STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH



LEAD-RELATED CONSTRUCTION CERTIFICATE

INDIVIDUAL:



Pedro Rico

CERTIFICATE TYPE:

Lead Sampling Technician

NUMBER:

LRC-00004060

EXPIRATION DATE:

3/5/2026

Disclaimer: This document alone should not be relied upon to confirm certification status. Compare the individual's photo and name to another valid form of government issued photo identification. Verify the individual's certification status by searching for Lead-Related Construction Professionals at www.cdph.ca.gov/programs/clppb or calling (800) 597-LEAD



STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH



LEAD-RELATED CONSTRUCTION CERTIFICATE

INDIVIDUAL:



Miguel Hermida

CERTIFICATE TYPE:

Lead Project Monitor

NUMBER:

LRC-00006410

EXPIRATION DATE:

2/6/2026

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State of California
Division of Occupational Safety and Health
Certified Asbestos Consultant

Miguel Hermida

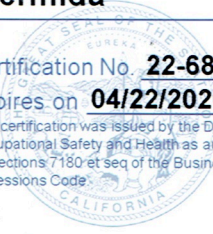


Name

Certification No. **22-6887**

Expires on **04/22/2026**

This certification was issued by the Division of Occupational Safety and Health as authorized by Sections 7180 et seq of the Business and Professions Code.



APPENDIX B
(LABORATORY REPORTS / CHAIN OF CUSTODY
DOCUMENTATION - ASBESTOS)

MICRO ANALYTICAL LABORATORIES, INC.
BULK ASBESTOS ANALYSIS - POLARIZED LIGHT MICROSCOPY (PLM)



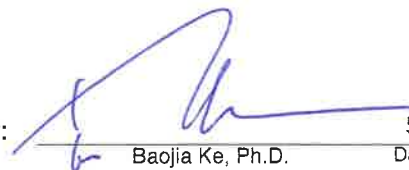
1160
 Carolyn Henry
 North Tower Environmental
 1485 Bayshore Boulevard, #185
 San Francisco, CA 94124

PROJECT:
PROJECT NO. NT - 5041
CHABOT COLLEGE
BUILDING 3500
PRE-CONSTRUCTION SURVEY

Micro Log In **330730**
 Total Samples 64
 Date Sampled 05/21/2025
 Date Received 05/24/2025
 Date Analyzed 05/28/2025

SAMPLE IDENTIFICATION		ASBESTOS QUANTITY (AREA %) / TYPES / LAYERS Note: "ND" = No Asbestos Detected	DOMINANT OTHER MATERIALS
Client #:	NT-5041-052125-GB-1A	GYPSUM BOARD: ND TAPING MUD: ND TAPE: ND WALL COVERING / GLUE: ND	10 % CELLULOSE <1 % FIBROUS GLASS 2 % SYNTHETIC FIBERS NFM: 'GYPSUM' (CALCIUM SULFATE), CARBONATE.
Micro #: 330730-01	Analyst: MO RED / PURPLE VWC / GB / TM ROOM 126 NORTH WALL		
Client #:	NT-5041-052125-GB-2A	GYPSUM BOARD: ND TAPING MUD: ND TAPE: ND WALL COVERING / GLUE: ND	10 % CELLULOSE <1 % FIBROUS GLASS 2 % SYNTHETIC FIBERS NFM: 'GYPSUM' (CALCIUM SULFATE), CARBONATE.
Micro #: 330730-02	Analyst: MO RED / PURPLE VWC / GB / TM ROOM 126 NW WALL		
Client #:	NT-5041-052125-GB-3A	GYPSUM BOARD: ND TAPING MUD: ND TAPE: ND WALL COVERING / GLUE: ND	10 % CELLULOSE <1 % FIBROUS GLASS 2 % SYNTHETIC FIBERS NFM: 'GYPSUM' (CALCIUM SULFATE), CARBONATE.
Micro #: 330730-03	Analyst: MO MO RED / PURPLE VWC / GB / TM ROOM 121 NORTH WALL		
Client #:	NT-5041-052125-GB-4A	GYPSUM BOARD: ND TAPING MUD: ND TAPE: ND WALL COVERING / GLUE: ND	10 % CELLULOSE <1 % FIBROUS GLASS 2 % SYNTHETIC FIBERS NFM: 'GYPSUM' (CALCIUM SULFATE), CARBONATE.
Micro #: 330730-04	Analyst: MO RED / PURPLE VWC / GB / TM SW CORRIDOR WALL		
Client #:	NT-5041-052125-GB-5A	GYPSUM BOARD: ND TAPING MUD: ND TAPE: ND WALL COVERING / GLUE: ND	10 % CELLULOSE <1 % FIBROUS GLASS 2 % SYNTHETIC FIBERS NFM: 'GYPSUM' (CALCIUM SULFATE), CARBONATE.
Micro #: 330730-05	Analyst: MO RED / PURPLE VWC / GB / TM NW HALLWAY WALL		

Technical Supervisor:


 Baojia Ke, Ph.D.

5/29/2025

Date Reported

NVLAP Lab Code 101872-0 (TESTING). Analyses use Polarized Light Microscopy (PLM), Micro Analytical SOP PLM-101. Basic techniques follow EPA – Appendix E to Subpart E of 40 CFR Part 763; Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (originally published 1982), and EPA-600/R93-116 (1993). The 1993 method covers all types of bulk materials and is based on the 1982 Method, with improved analytical techniques for layered samples as required for NESHAP compliance. Asbestos is quantified by calibrated visual estimation. Detection limit is material dependent. Detection of asbestos traces (much less than 1%) may not be reliable or reproducible by PLM. Weight % cannot be determined by PLM. Asbestos with diameter below ~1 µm may not be detected by PLM. Absence of asbestos in dust, debris, and some compact materials, including floor tiles, cannot be conclusively established by PLM, and should be confirmed by Transmission Electron Microscopy (TEM). Interferences may prevent detection of small amphiboles (e.g. the "Libby Amphiboles" richterite and winchite), and should be confirmed by TEM. The lower quantitation limit (reporting limit) of PLM estimation is 1%. The Cal-OSHA definition of asbestos-containing construction material is 0.1% asbestos; however, reliable determination of asbestos percent at this level cannot be done by PLM estimation; PLM Point Counting or TEM weight percent analysis are recommended. Only dominant non-asbestos materials (fibrous and non-fibrous) are listed. This analysis shall not be construed as conclusive for the presence of any reported materials other than asbestos, or for the absence of any non-asbestos material. Common interferences include, but are not limited to: cellulose, fibrous glass, other man-made vitreous fibers, synthetic fibers, elongate fragments of calcium sulfate, talc, wollastonite, animal hair, and other miscellaneous elongate particles. Sample heterogeneity is indicated by listing more than one distinct layer or material on the report. If more than one distinct sample is received in the same container, samples shall be marked with letters and analyzed separately. Layers within a sample are analyzed separately when feasible; if asbestos is detected, percentages are reported for individual layers. Interlayer contamination is possible among any layers in a sample. The notation ND (or "NONE DETECTED") indicates a result of "NO ASBESTOS DETECTED" in a homogeneous sample, or in a layer of a heterogeneous sample. Composite asbestos percentages from multiple layers are applicable only to wallboard / joint compound systems; compositing is based on customers' descriptions of material as "joint compound". Customers are solely responsible for identification and description of bulk materials listed on field forms. Laboratory descriptions may differ from those given by customers. Quality Control (QC): all results have been determined to be within acceptance limits prior to reporting. Reanalyzed samples are denoted by two sets of analyst initials. Unless otherwise stated herein, all samples were received in acceptable condition for analysis. This report must not be used to claim product endorsement by NIST or any U.S. Government agency. This report shall not be reproduced except in full, without the approval of Micro Analytical Laboratories, Inc., and pertains only to the samples analyzed as received. NFM = Non-fibrous materials.

MICRO ANALYTICAL LABORATORIES, INC.
BULK ASBESTOS ANALYSIS - POLARIZED LIGHT MICROSCOPY (PLM)



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 Carolyn Henry
 North Tower Environmental
 1485 Bayshore Boulevard, #185
 San Francisco, CA 94124

PROJECT:
PROJECT NO. NT - 5041
CHABOT COLLEGE
BUILDING 3500
PRE-CONSTRUCTION SURVEY

Micro Log In **330730**
 Total Samples 64
 Date Sampled 05/21/2025
 Date Received 05/24/2025
 Date Analyzed 05/28/2025

SAMPLE IDENTIFICATION	ASBESTOS QUANTITY (AREA %) / TYPES / LAYERS Note: "ND" = No Asbestos Detected	DOMINANT OTHER MATERIALS
Client #: NT-5041-052125-GB-1B Micro #: 330730-06 Analyst: MO GB / TM ROOM 127 NORTH WALL	GYPSUM BOARD: ND TAPING MUD: ND TAPE: ND PAINT: ND	10 % CELLULOSE <1 % FIBROUS GLASS NFM: GYPSUM (CALCIUM SULFATE), CARBONATE.
Client #: NT-5041-052125-GB-2B Micro #: 330730-07 Analyst: MO GB / TM ROOM 129 NW WALL	GYPSUM BOARD: ND TAPING MUD: ND TAPE: ND PAINT: ND	10 % CELLULOSE <1 % FIBROUS GLASS NFM: GYPSUM (CALCIUM SULFATE), CARBONATE.
Client #: NT-5041-052125-GB-3B Micro #: 330730-08 Analyst: MO GB / TM ROOM 117 WEST WALL	GYPSUM BOARD: ND TAPING MUD: ND TAPE: ND PAINT: ND	10 % CELLULOSE <1 % FIBROUS GLASS NFM: GYPSUM (CALCIUM SULFATE), CARBONATE.
Client #: NT-5041-052125-GB-4B Micro #: 330730-09 Analyst: MO GB / TM ROOM 142 SE WALL	GYPSUM BOARD: ND TAPING MUD: ND TAPE: ND PAINT: ND	10 % CELLULOSE <1 % FIBROUS GLASS NFM: GYPSUM (CALCIUM SULFATE), CARBONATE.
Client #: NT-5041-052125-SV-5B Micro #: 330730-10 Analyst: MO GB / TM ROOM 114 EAST WALL	GYPSUM BOARD: ND TAPING MUD: ND TAPE: ND PAINT: ND	10 % CELLULOSE <1 % FIBROUS GLASS NFM: GYPSUM (CALCIUM SULFATE), CARBONATE.

Technical Supervisor:

Baojia Ke, Ph.D.

5/29/2025

Date Reported

NVLAP Lab Code 101872-0 (TESTING). Analyses use Polarized Light Microscopy (PLM), Micro Analytical SOP PLM-101. Basic techniques follow EPA – Appendix E to Subpart E of 40 CFR Part 763; Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (originally published 1982), and EPA-800/R93-116 (1993). The 1993 method covers all types of bulk materials and is based on the 1982 Method, with improved analytical techniques for layered samples as required for NESHAP compliance. Asbestos is quantified by calibrated visual estimation. Detection limit is material dependent. Detection of asbestos traces (much less than 1%) may not be reliable or reproducible by PLM. Weight % cannot be determined by PLM. Asbestos with diameter below ~1 µm may not be detected by PLM. Absence of asbestos in dust, debris, and some compact materials, including floor tiles, cannot be conclusively established by PLM, and should be confirmed by Transmission Electron Microscopy (TEM). Interferences may prevent detection of small asbestos fibers, and hinder determination of some optical properties. Tremolite-asbestos or actinolite-asbestos may be indistinguishable by PLM from some similar, non-regulated amphiboles (e.g. the "Libby Amphiboles" richterite and winchite), and should be confirmed by TEM. The lower quantitation limit (reporting limit) of PLM estimation is 1%. The Cal-OSHA definition of asbestos-containing construction material is 0.1% asbestos; however, reliable determination of asbestos percent at this level cannot be done by PLM estimation; PLM Point Counting or TEM weight percent analysis are recommended. Only dominant non-asbestos materials (fibrous and non-fibrous) are listed. This analysis shall not be construed as conclusive for the presence of any reported materials other than asbestos, or for the absence of any non-asbestos material. Common interferences include, but are not limited to: cellulose, fibrous glass, other man-made vitreous fibers, synthetic fibers, elongate fragments of calcium sulfate, talc, wollastonite, animal hair, and other miscellaneous elongate particles. Sample heterogeneity is indicated by listing more than one distinct layer or material on the report. If more than one distinct sample is received in the same container, samples shall be marked with letters and analyzed separately. Layers within a sample are analyzed separately when feasible; if asbestos is detected, percentages are reported for individual layers. Interlayer contamination is possible among any layers in a sample. The notation ND (or "NONE DETECTED") indicates a result of "NO ASBESTOS DETECTED" in a homogeneous sample, or in a layer of a heterogeneous sample. Composite asbestos percentages from multiple layers are applicable only to wallboard / joint compound systems; compositing is based on customers' descriptions of material as "joint compound". Customers are solely responsible for identification and description of bulk materials listed on field forms. Laboratory descriptions may differ from those given by customers. Quality Control (QC): all results have been determined to be within acceptance limits prior to reporting. Reanalyzed samples are denoted by two sets of analyst initials. Unless otherwise stated herein, all samples were received in acceptable condition for analysis. This report must not be used to claim product endorsement by NIST or any U.S. Government agency. This report shall not be reproduced except in full, without the approval of Micro Analytical Laboratories, Inc., and pertains only to the samples analyzed as received. NFM = Non-fibrous materials.

MICRO ANALYTICAL LABORATORIES, INC.

BULK ASBESTOS ANALYSIS - POLARIZED LIGHT MICROSCOPY (PLM)



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San Francisco, CA 94124

PROJECT:
PROJECT NO. NT - 5041
CHABOT COLLEGE
BUILDING 3500
PRE-CONSTRUCTION SURVEY


Micro Log In **330730**
Total Samples 64
Date Sampled 05/21/2025
Date Received 05/24/2025
Date Analyzed 05/28/2025

SAMPLE IDENTIFICATION**ASBESTOS QUANTITY (AREA %) / TYPES / LAYERS****DOMINANT OTHER MATERIALS**

Note: "ND" = No Asbestos Detected

Client #: NT-5041-052125-SV-1C Micro #: 330730-11 Analyst: MO GRAY VWC / GB / TM ROOM 112 NW WALL	GYPHUM BOARD: ND TAPING MUD: ND TAPE: ND WALL COVERING / GLUE: ND	10 % CELLULOSE <1 % FIBROUS GLASS 2 % SYNTHETIC FIBERS NFM: GYPHUM (CALCIUM SULFATE), CARBONATE.
Client #: NT-5041-052125-SV-2C Micro #: 330730-12 Analyst: MO GRAY VWC / GB / TM ROOM 112 NE WALL	GYPHUM BOARD: ND TAPING MUD: ND TAPE: ND WALL COVERING / GLUE: ND	10 % CELLULOSE <1 % FIBROUS GLASS 2 % SYNTHETIC FIBERS NFM: GYPHUM (CALCIUM SULFATE), CARBONATE.
Client #: NT-5041-052125-SV-1A Micro #: 330730-13 Analyst: MO MO BEIGE PEBBLE PATTERN SHEET VINYL ROOM 127	SHEET FLOORING: ND BACKING: ND MASTIC (YELLOW): ND	3 % CELLULOSE 5 % FIBROUS GLASS 2 % SYNTHETIC FIBERS NFM: SYNTHETIC MATERIAL, CARBONATE, ADHESIVE.
Client #: NT-5041-052125-SV-1A Micro #: 330730-14 Analyst: MO BEIGE PEBBLE PATTERN SHEET VINYL ROOM 123	SHEET FLOORING: ND BACKING: ND MASTIC (YELLOW): ND	3 % CELLULOSE 5 % FIBROUS GLASS 2 % SYNTHETIC FIBERS NFM: SYNTHETIC MATERIAL, CARBONATE, ADHESIVE.
Client #: NT-5041-052125-SV-1B Micro #: 330730-15 Analyst: MO GRAY STONE PATTERN SHEET VINYL ROOM 117	LINOLEUM: ND BACKING: ND MASTIC (TAN): ND	40 % CELLULOSE NFM: SYNTHETIC MATERIAL, CARBONATE, ADHESIVE.

Technical Supervisor:


Baojia Ke, Ph.D. 5/29/2025
Date Reported

NVLAP Lab Code 101872-0 (TESTING). Analyses use Polarized Light Microscopy (PLM), Micro Analytical SOP PLM-101, Basic techniques follow EPA - Appendix E to Subpart E of 40 CFR Part 763; Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (originally published 1982), and EPA-600/R03-116 (1993). The 1993 method covers all types of bulk materials and is based on the 1982 Method, with improved analytical techniques for layered samples as required for NESHAP compliance. Asbestos is quantified by calibrated visual estimation. Detection limit is material dependent. Detection of asbestos traces (much less than 1%) may not be reliable or reproducible by PLM. Weight % cannot be determined by PLM. Asbestos with diameter below -1 µm may not be detected by PLM. Absence of asbestos in dust, debris, and some compact materials, including floor tiles, cannot be conclusively established by PLM, and should be confirmed by Transmission Electron Microscopy (TEM). Interferences may prevent detection of small asbestos fibers, and hinder determination of some optical properties. Tremolite-asbestos or actinolite-asbestos may be indistinguishable by PLM from some similar, non-regulated amphiboles (e.g. the "Libby Amphiboles" richterite and winchite), and should be confirmed by TEM. The lower quantitation limit (reporting limit) of PLM estimation is 1%. The Cal-OSHA definition of asbestos-containing construction material is 0.1% asbestos; however, reliable determination of asbestos percent at this level cannot be done by PLM estimation; PLM Point Counting or TEM weight percent analysis are recommended. Only dominant non-asbestos materials (fibrous and non-fibrous) are listed. This analysis shall not be construed as conclusive for the presence of any reported materials other than asbestos, or for the absence of any non-asbestos material. Common interferences include, but are not limited to: cellulose, fibrous glass, other man-made vitreous fibers, synthetic fibers, elongate fragments of calcium sulfate, talc, wollastonite, animal hair, and other miscellaneous elongate particles. Sample heterogeneity is indicated by listing more than one distinct layer or material on the report. If more than one distinct sample is received in the same container, samples shall be marked with letters and analyzed separately. Layers within a sample are analyzed separately when feasible; if asbestos is detected, percentages are reported for individual layers. Interlayer contamination is possible among any layers in a sample. The notation ND (or "NONE DETECTED") indicates a result of "NO ASBESTOS DETECTED" in a homogeneous sample, or in a layer of a heterogeneous sample. Composite asbestos percentages from multiple layers are applicable only to wallboard / joint compound systems; compositing is based on customers' descriptions of material as "joint compound". Customers are solely responsible for identification and description of bulk materials listed on field forms. Laboratory descriptions may differ from those given by customers. Quality Control (QC): all results have been determined to be within acceptance limits prior to reporting. Reanalyzed samples are denoted by two sets of analyst initials. Unless otherwise stated herein, all samples were received in acceptable condition for analysis. This report must not be used to claim product endorsement by NIST or any U.S. Government agency. This report shall not be reproduced except in full, without the approval of Micro Analytical Laboratories, Inc., and pertains only to the samples analyzed as received. NFM = Non-fibrous materials.

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BULK ASBESTOS ANALYSIS - POLARIZED LIGHT MICROSCOPY (PLM)



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PROJECT:
PROJECT NO. NT - 5041
CHABOT COLLEGE
BUILDING 3500
PRE-CONSTRUCTION SURVEY

Micro Log In **330730**
 Total Samples 64
 Date Sampled 05/21/2025
 Date Received 05/24/2025
 Date Analyzed 05/28/2025

SAMPLE IDENTIFICATION**ASBESTOS QUANTITY (AREA %) / TYPES / LAYERS****DOMINANT OTHER MATERIALS**

Note: "ND" = No Asbestos Detected

Client #:	NT-5041-052125-SV-2B		40 % CELLULOSE
Micro #:	330730-16	Analyst: MO	
	GRAY STONE PATTERN SHEET VINYL ROOM 120		NFM: SYNTHETIC MATERIAL, CARBONATE, ADHESIVE.
Client #:	NT-5041-052125-SV-1C		40 % CELLULOSE
Micro #:	330730-17	Analyst: MO	
	BEIGE STONE PATTERN SHEET VINYL ROOM 121		NFM: SYNTHETIC MATERIAL, CARBONATE, ADHESIVE.
Client #:	NT-5041-052125-SV-2C		40 % CELLULOSE
Micro #:	330730-18	Analyst: MO	
	BEIGE STONE PATTERN SHEET VINYL ROOM 121		NFM: SYNTHETIC MATERIAL, CARBONATE, ADHESIVE.
Client #:	NT-5041-052125-SV-1D		5 % FIBROUS GLASS
Micro #:	330730-19	Analyst: MO	
	BLUE PEBBLE PATTERN SHEET VINYL ROOM 136		NFM: SYNTHETIC MATERIAL, CARBONATE, ADHESIVE.
Client #:	NT-5041-052125-SV-1E		
Micro #:	330730-20	Analyst: MO	
	GRAY PEBBLE PATTERN SHEET VINYL ROOM 133		NFM: SYNTHETIC MATERIAL, CARBONATE, ADHESIVE.

Technical Supervisor:

Baojia Ke, Ph.D.

5/29/2025

Date Reported

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BULK ASBESTOS ANALYSIS - POLARIZED LIGHT MICROSCOPY (PLM)



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 San Francisco, CA 94124

PROJECT:
PROJECT NO. NT - 5041
CHABOT COLLEGE
BUILDING 3500
PRE-CONSTRUCTION SURVEY

Micro Log In **330730**
 Total Samples 64
 Date Sampled 05/21/2025
 Date Received 05/24/2025
 Date Analyzed 05/28/2025

SAMPLE IDENTIFICATION	ASBESTOS QUANTITY (AREA %) / TYPES / LAYERS Note: "ND" = No Asbestos Detected	DOMINANT OTHER MATERIALS
Client #: NT-5041-052125-SU-1A Micro #: 330730-21 Analyst: MO SINK UNDERCOAT ROOM 136 STAINLESS STEEL SINK	UNDERCOATING: ND	3 % CELLULOSE NFM: SYNTHETIC MATERIAL, CARBONATE.
Client #: NT-5041-052125-SU-2A Micro #: 330730-22 Analyst: MO SINK UNDERCOAT ROOM 117 STAINLESS STEEL SINK	UNDERCOATING: ND	3 % CELLULOSE NFM: SYNTHETIC MATERIAL, CARBONATE.
Client #: NT-5041-052125-CF-1A Micro #: 330730-23 Analyst: MO MO BLUE / MULTI COLORED CARPET ROOM 117	CARPET: ND GLUE: ND	40 % SYNTHETIC FIBERS NFM: SYNTHETIC MATERIAL, CARBONATE, ADHESIVE.
Client #: NT-5041-052125-CF-1B Micro #: 330730-24 Analyst: MO BLUE CARPET ROOM 107	CARPET: ND GLUE: ND	40 % SYNTHETIC FIBERS NFM: SYNTHETIC MATERIAL, CARBONATE, ADHESIVE.
Client #: NT-5041-052125-FT-1A Micro #: 330730-25 Analyst: MO 12" X 12" WHITE PEBBLE PATTERN VFT ROOM 142	FLOOR TILE: ND MASTIC (YELLOW): ND	NFM: SYNTHETIC MATERIAL, CARBONATE, ADHESIVE.

Technical Supervisor:  5/29/2025
 Baojia Ke, Ph.D. Date Reported

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BULK ASBESTOS ANALYSIS - POLARIZED LIGHT MICROSCOPY (PLM)



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PROJECT:
PROJECT NO. NT - 5041
CHABOT COLLEGE
BUILDING 3500
PRE-CONSTRUCTION SURVEY

Micro Log In **330730**
Total Samples 64
Date Sampled 05/21/2025
Date Received 05/24/2025
Date Analyzed 05/28/2025

SAMPLE IDENTIFICATION**ASBESTOS QUANTITY (AREA %) / TYPES / LAYERS**
Note: "ND" = No Asbestos Detected**DOMINANT
OTHER MATERIALS**

Client #:	NT-5041-052125-FT-2A		
Micro #:	330730-26	Analyst: MO	
	12" X 12" WHITE PEBBLE PATTERN VFT CENTRAL HALLWAY AREA NEAR 120		FLOOR TILE: ND MASTIC (YELLOW): ND LEVELING COMPOUND: ND
			NFM: SYNTHETIC MATERIAL, CARBONATE, ADHESIVE.
Client #:	NT-5041-052125-ACT-1A		
Micro #:	330730-27	Analyst: MO	
	12" X 12" CEILING TILE / MASTIC ROOM 117 CEILING ON UNFINISHED GB		CEILING TILE: ND COATING (WHITE): ND MASTIC (BROWN): ND
			15 % CELLULOSE 3 % FIBROUS GLASS
			NFM: PERLITE, BINDER.
Client #:	NT-5041-052125-ACT-2A		
Micro #:	330730-28	Analyst: MO	
	12" X 12" CEILING TILE / MASTIC ROOM 133 CEILING ON UNFINISHED GB		CEILING TILE: ND COATING (WHITE): ND MASTIC (BROWN): ND
			15 % CELLULOSE 3 % FIBROUS GLASS
			NFM: PERLITE, BINDER.
Client #:	NT-5041-052125-ACT-1B		
Micro #:	330730-29	Analyst: MO	
	2' X 4' PIN HOLE LAY-IN CEILING TILE ENTRY AREA SUSPENDED CEILING SYSTEM		CEILING TILE: ND COATING (WHITE): ND
			20 % CELLULOSE 2 % FIBROUS GLASS
			NFM: PERLITE, BINDER.
Client #:	NT-5041-052125-ACT-2B		
Micro #:	330730-30	Analyst: MO	
	2' X 4' PIN HOLE LAY-IN CEILING TILE SW HALLWAY SUSPENDED CEILING SYSTEM		CEILING TILE: ND COATING (WHITE): ND
			20 % CELLULOSE 2 % FIBROUS GLASS
			NFM: PERLITE, BINDER.

Technical Supervisor:


Baojia Ke, Ph.D.

5/29/2025

Date Reported

NVLAP Lab Code 101872-0 (TESTING). Analyses use Polarized Light Microscopy (PLM), Micro Analytical SOP PLM-101. Basic techniques follow EPA - Appendix E to Subpart E of 40 CFR Part 763; Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (originally published 1982), and EPA-600/R93-116 (1993). The 1993 method covers all types of bulk materials and is based on the 1982 Method, with improved analytical techniques for layered samples as required for NESHAP compliance. Asbestos is quantified by calibrated visual estimation. Detection limit is material dependent. Detection of asbestos traces (much less than 1%) may not be reliable or reproducible by PLM. Weight % cannot be determined by PLM. Asbestos with diameter below ~1 µm may not be detected by PLM. Absence of asbestos in dust, debris, and some compact materials, including floor tiles, cannot be conclusively established by PLM, and should be confirmed by Transmission Electron Microscopy (TEM). Interferences may prevent detection of small asbestos fibers, and hinder determination of some optical properties. Tremolite-asbestos or actinolite-asbestos may be indistinguishable by PLM from some similar, non-regulated amphiboles (e.g. the "Libby Amphiboles" richterite and winchite), and should be confirmed by TEM. The lower quantitation limit (reporting limit) of PLM estimation is 1%. The Cal-OSHA definition of asbestos-containing construction material is 0.1% asbestos; however, reliable determination of asbestos percent at this level cannot be done by PLM estimation; PLM Point Counting or TEM weight percent analysis are recommended. Only dominant non-asbestos materials (fibrous and non-fibrous) are listed. This analysis shall not be construed as conclusive for the presence of any reported materials other than asbestos, or for the absence of any non-asbestos material. Common interferences include, but are not limited to: cellulose, fibrous glass, other man-made vitreous fibers, synthetic fibers, elongate fragments of calcium sulfate, talc, wollastonite, animal hair, and other miscellaneous elongate particles. Sample heterogeneity is indicated by listing more than one distinct layer or material on the report. If more than one distinct sample is received in the same container, samples shall be marked with letters and analyzed separately. Layers within a sample are analyzed separately when feasible; if asbestos is detected, percentages are reported for individual layers. Interlayer contamination is possible among any layers in a sample. The notation ND (or "NONE DETECTED") indicates a result of "NO ASBESTOS DETECTED" in a homogeneous sample, or in a layer of a heterogeneous sample. Composite asbestos percentages from multiple layers are applicable only to wallboard / joint compound systems; compositing is based on customers' descriptions of material as "joint compound". Customers are solely responsible for identification and description of bulk materials listed on field forms. Laboratory descriptions may differ from those given by customers. Quality Control (QC): all results have been determined to be within acceptance limits prior to reporting. Reanalyzed samples are denoted by two sets of analyst initials. Unless otherwise stated herein, all samples were received in acceptable condition for analysis. This report must not be used to claim product endorsement by NIST or any U.S. Government agency. This report shall not be reproduced except in full, without the approval of Micro Analytical Laboratories, Inc., and pertains only to the samples analyzed as received. NFM = Non-fibrous materials.

MICRO ANALYTICAL LABORATORIES, INC.
BULK ASBESTOS ANALYSIS - POLARIZED LIGHT MICROSCOPY (PLM)



1160
 Carolyn Henry
 North Tower Environmental
 1485 Bayshore Boulevard, #185
 San Francisco, CA 94124

PROJECT:
PROJECT NO. NT - 5041
CHABOT COLLEGE
BUILDING 3500
PRE-CONSTRUCTION SURVEY

Micro Log In **330730**
 Total Samples 64
 Date Sampled 05/21/2025
 Date Received 05/24/2025
 Date Analyzed 05/28/2025

SAMPLE IDENTIFICATION	ASBESTOS QUANTITY (AREA %) / TYPES / LAYERS Note: "ND" = No Asbestos Detected	DOMINANT OTHER MATERIALS
Client #: NT-5041-052125-HS-1A Micro #: 330730-31 Analyst: MO HVAC SEALANT SQUARE HVAC DUCT ABOVE DROP CEILING - ENTRY	SEALANT: ND	NFM: SYNTHETIC MATERIAL, CARBONATE.
Client #: NT-5041-052125-HS-2A Micro #: 330730-32 Analyst: MO HVAC SEALANT SQUARE HVAC DUCT ABOVE DROP CEILING - ROOM 107	SEALANT: ND	NFM: SYNTHETIC MATERIAL, CARBONATE.
Client #: NT-5041-052125-DS-1A Micro #: 330730-33 Analyst: MO MO DOOR SEALANT ENTRY AREA INTERIOR SIDE OF SLIDING DOOR TO WALL SEAM	SEALANT: ND	NFM: SYNTHETIC MATERIAL, CARBONATE.
Client #: NT-5041-052125-DS-2A Micro #: 330730-34 Analyst: MO DOOR SEALANT ENTRY AREA EXTERIOR SIDE OF SLIDING DOOR TO WALL SEAM	SEALANT: ND	NFM: SYNTHETIC MATERIAL, CARBONATE.
Client #: NT-5041-052125-WS-1A Micro #: 330730-35 Analyst: MO WINDOW SEALANT ROOM 107 INTERIOR WINDOW TO WALL SEAM	SEALANT: ND	NFM: SYNTHETIC MATERIAL, CARBONATE.

Technical Supervisor:


 Baojia Ke, Ph.D.

5/29/2025
 Date Reported

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BULK ASBESTOS ANALYSIS - POLARIZED LIGHT MICROSCOPY (PLM)



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North Tower Environmental
1485 Bayshore Boulevard, #185
San Francisco, CA 94124

PROJECT:
PROJECT NO. NT - 5041
CHABOT COLLEGE
BUILDING 3500
PRE-CONSTRUCTION SURVEY

Micro Log In **330730**
Total Samples 64
Date Sampled 05/21/2025
Date Received 05/24/2025
Date Analyzed 05/28/2025

SAMPLE IDENTIFICATION	ASBESTOS QUANTITY (AREA %) / TYPES / LAYERS Note: "ND" = No Asbestos Detected	DOMINANT OTHER MATERIALS
Client #: NT-5041-052125-WS-2A Micro #: 330730-36 Analyst: MO WINDOW SEALANT ROOM 126 EXTERIOR WINDOW TO WALL SEAM	SEALANT: ND	NFM: SYNTHETIC MATERIAL, CARBONATE.
Client #: NT-5041-052125-CT-1A Micro #: 330730-37 Analyst: MO 2" X 2" PINK CERAMIC TILE / GROUT ROOM 110 WALL	CERAMIC TILE: ND GROUT: ND ADHESIVE: ND	NFM: ROCK FRAGMENTS, CARBONATE, BINDER
Client #: NT-5041-052125-CT-2A Micro #: 330730-38 Analyst: MO 2" X 2" PINK CERAMIC TILE / GROUT ROOM 134 WALL	CERAMIC TILE: ND ADHESIVE: ND (NO GROUT IN THE SAMPLE)	NFM: ROCK FRAGMENTS, CARBONATE, BINDER
Client #: NT-5041-052125-CT-1B Micro #: 330730-39 Analyst: MO 2" X 2" DARK GRAY CERAMIC TILE / GROUT ROOM 119 FLOOR	CERAMIC TILE: ND ADHESIVE: ND GROUT: ND	NFM: ROCK FRAGMENTS, CARBONATE, BINDER
Client #: NT-5041-052125-CT-2A Micro #: 330730-40 Analyst: MO 1" X 1" PINK CERAMIC TILE / GROUT ROOM 110 FLOOR	CERAMIC TILE: ND ADHESIVE: ND GROUT: ND	NFM: ROCK FRAGMENTS, CARBONATE, BINDER

Technical Supervisor:

Baojia Ke, Ph.D. 5/29/2025
Date Reported

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BUILDING 3500
PRE-CONSTRUCTION SURVEY


Micro Log In **330730**
Total Samples 64
Date Sampled 05/21/2025
Date Received 05/24/2025
Date Analyzed 05/28/2025

SAMPLE IDENTIFICATION**ASBESTOS QUANTITY (AREA %) / TYPES / LAYERS****DOMINANT OTHER MATERIALS**

Note: "ND" = No Asbestos Detected

Client #:	NT-5041-052125-CT-2A		
Micro #:	330730-41	Analyst: MO	
	1" X 1" DARK PINK CERAMIC TILE / GROUT ROOM 134 FLOOR		CERAMIC TILE: ND ADHESIVE: ND GROUT: ND
			NFM: ROCK FRAGMENTS, CARBONATE, BINDER
Client #:	NT-5041-052125-CT-2A		
Micro #:	330730-42	Analyst: MO	
	2" X 2" GLOSSY PINK CERAMIC TILE / GROUT ROOM 134 FLOOR COVE		CERAMIC TILE: ND ADHESIVE: ND
			(NO GROUT IN THE SAMPLE)
			NFM: ROCK FRAGMENTS, CARBONATE, BINDER
Client #:	NT-5041-052125-CT-2A		
Micro #:	330730-43	Analyst: MO MO	
	LARGE WHITE CERAMIC TILE / GROUT ROOM 137 SINK AREA COUNTERTOP		CERAMIC TILE: ND GROUT: ND MORTAR: ND
			NFM: ROCK FRAGMENTS, CARBONATE, BINDER
Client #:	NT-5041-052125-BC-1A		
Micro #:	330730-44	Analyst: MO	
	6" BLACK BASE COVE / MASTIC ROOM 126		BASE COVE: ND MASTIC (BEIGE): ND WALL COVERING / GLUE: ND COMPOUND: ND
			3 % CELLULOSE 5 % SYNTHETIC FIBERS NFM: SYNTHETIC MATERIAL, CARBONATE, ADHESIVE.
Client #:	NT-5041-052125-BC-2A		
Micro #:	330730-45	Analyst: MO	
	6" BLACK BASE COVE / MASTIC ROOM 121		BASE COVE: ND MASTIC (BEIGE): ND WALL COVERING / GLUE: ND COMPOUND: ND
			3 % CELLULOSE 5 % SYNTHETIC FIBERS NFM: SYNTHETIC MATERIAL, CARBONATE, ADHESIVE.

Technical Supervisor:


 Baojia Ke, Ph.D. 5/29/2025
 Date Reported

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PROJECT:
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Micro Log In **330730**
 Total Samples 64
 Date Sampled 05/21/2025
 Date Received 05/24/2025
 Date Analyzed 05/28/2025

SAMPLE IDENTIFICATION**ASBESTOS QUANTITY (AREA %) / TYPES / LAYERS****DOMINANT OTHER MATERIALS**

Note: "ND" = No Asbestos Detected

Client #:	NT-5041-052125-BC-1B		
Micro #: 330730-46	Analyst: MO	BASE COVE: ND MASTIC (BEIGE): ND	NFM: SYNTHETIC MATERIAL, CARBONATE, ADHESIVE.
6" GRAY BASE COVE / MASTIC SW HALLWAY			
Client #:	NT-5041-052125-BC-2B		
Micro #: 330730-47	Analyst: MO	BASE COVE: ND MASTIC (BEIGE): ND WALL COVERING / GLUE: ND	2 % CELLULOSE 5 % SYNTHETIC FIBERS NFM: SYNTHETIC MATERIAL, CARBONATE, ADHESIVE.
6" GRAY BASE COVE / MASTIC NW HALLWAY			
Client #:	NT-5041-052125-BC-1C		
Micro #: 330730-48	Analyst: MO	BASE COVE: ND MASTIC (BEIGE): ND COMPOUND / PAINT: ND	NFM: SYNTHETIC MATERIAL, CARBONATE, ADHESIVE.
4" GRAY BASE COVE / MASTIC 117 WEST WALL			
Client #:	NT-5041-052125-BC-2C		
Micro #: 330730-49	Analyst: MO	BASE COVE: ND MASTIC (BEIGE): ND COMPOUND / PAINT: ND	NFM: SYNTHETIC MATERIAL, CARBONATE, ADHESIVE.
4" GRAY BASE COVE / MASTIC 117B NORTH WALL			
Client #:	NT-5041-052125-C-1A		
Micro #: 330730-50	Analyst: MO	CONCRETE: ND	NFM: ROCK FRAGMENTS, CARBONATE, BINDER
CONCRETE ROOM 107 FLOOR SLAB			

Technical Supervisor:


 Baojia Ke, Ph.D.

5/29/2025

Date Reported

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Micro Log In **330730**
 Total Samples 64
 Date Sampled 05/21/2025
 Date Received 05/24/2025
 Date Analyzed 05/28/2025

SAMPLE IDENTIFICATION**ASBESTOS QUANTITY (AREA %) / TYPES / LAYERS**
Note: "ND" = No Asbestos Detected**DOMINANT OTHER MATERIALS**

Client #: NT-5041-052125-C-2A Micro #: 330730-51 Analyst: MO CONCRETE ROOM 136 FLOOR SLAB	CONCRETE: ND	NFM: ROCK FRAGMENTS, CARBONATE, BINDER
Client #: NT-5041-052125-CS-1A Micro #: 330730-52 Analyst: MO CONCRETE SEALANT ROOM 127 SLAB SEAM	SEALANT: ND	NFM: SYNTHETIC MATERIAL ROCK FRAGMENTS
Client #: NT-5041-052125-CS-2A Micro #: 330730-53 Analyst: MO MO CONCRETE SEALANT ROOM 127 SLAB SEAM	SEALANT: ND	NFM: SYNTHETIC MATERIAL ROCK FRAGMENTS
Client #: NT-5041-052125-SV-1D Micro #: 330730-54 Analyst: MO GRAY EPOXY STYLE SHEET VINYL ROOM 140 FLOOR	SHEET FLOORING: ND ADHESIVE: ND	2 % CELLULOSE 5 % FIBROUS GLASS 3 % SYNTHETIC FIBERS NFM: SYNTHETIC MATERIAL, CARBONATE, ADHESIVE.
Client #: NT-5041-052125-SV-2D Micro #: 330730-55 Analyst: MO GRAY EPOXY STYLE SHEET VINYL ROOM 140 FLOOR	SHEET FLOORING: ND ADHESIVE: ND	2 % CELLULOSE 5 % FIBROUS GLASS 3 % SYNTHETIC FIBERS NFM: SYNTHETIC MATERIAL, CARBONATE, ADHESIVE.

Technical Supervisor:


 Baojia Ke, Ph.D.
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 Date Received 05/24/2025
 Date Analyzed 05/28/2025

SAMPLE IDENTIFICATION

ASBESTOS QUANTITY (AREA %) / TYPES / LAYERS
 Note: "ND" = No Asbestos Detected

**DOMINANT
 OTHER MATERIALS**

Client #: NT-5041-052125-RS-1A	Micro #: 330730-56 Analyst: MO SEALANT METAL ROOF OVERHANG TO PERMANENT ROOF FASICA SEAM AT 11	SEALANT: ND	NFM: SYNTHETIC MATERIAL
Client #: NT-5041-052125-RS-2A	Micro #: 330730-57 Analyst: MO SEALANT METAL ROOF OVERHANG TO PERMANENT ROOF FASICA SEAM AT 122	SEALANT: ND	NFM: SYNTHETIC MATERIAL, CARBONATE.
Client #: NT-5041-052125-RS-3A	Micro #: 330730-58 Analyst: MO SEALANT METAL ROOF OVERHANG TO PERMANENT ROOF FASICA SEAM AT 136	SEALANT: ND	NFM: SYNTHETIC MATERIAL, CARBONATE.
Client #: NT-5041-052125-ST-1A	Micro #: 330730-59 Analyst: MO STUCCO NE EXTERIOR WALL AT 117	STUCCO: ND SKIM COAT: ND PAINT: ND	NFM: ROCK FRAGMENTS, CARBONATE, BINDER
Client #: NT-5041-052125-ST-2A	Micro #: 330730-60 Analyst: MO STUCCO EAST EXTERIOR WALL AT 112	STUCCO: ND SKIM COAT: ND PAINT: ND	NFM: ROCK FRAGMENTS, CARBONATE, BINDER

Technical Supervisor:

5/29/2025

Baojia Ke, Ph.D.

Date Reported

NVLP Lab Code 101872-0 (TESTING). Analyses use Polarized Light Microscopy (PLM), Micro Analytical SOP PLM-101. Basic techniques follow EPA – Appendix E to Subpart E of 40 CFR Part 763; Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (originally published 1982), and EPA-600/R93-116 (1993). The 1993 method covers all types of bulk materials and is based on the 1982 Method, with improved analytical techniques for layered samples as required for NESHAP compliance. Asbestos is quantified by calibrated visual estimation. Detection limit is material dependent. Detection of asbestos traces (much less than 1%) may not be reliable or reproducible by PLM. Weight % cannot be determined by PLM. Asbestos with diameter below ~1 µm may not be detected by PLM. Absence of asbestos in dust, debris, and some compact materials, including floor tiles, cannot be conclusively established by PLM, and should be confirmed by Transmission Electron Microscopy (TEM). Interferences may prevent detection of small asbestos fibers, and hinder determination of some optical properties. Tremolite-asbestos or actinolite-asbestos may be indistinguishable by PLM from some similar, non-regulated amphiboles (e.g. the "Libby Amphiboles" richterite and winchite), and should be confirmed by TEM. The lower quantitation limit (reporting limit) of PLM estimation is 1%. The Cal-OSHA definition of asbestos-containing construction material is 0.1% asbestos; however, reliable determination of asbestos percent at this level cannot be done by PLM estimation; PLM Point Counting or TEM weight percent analysis are recommended. Only dominant non-asbestos materials (fibrous and non-fibrous) are listed. This analysis shall not be construed as conclusive for the presence of any reported materials other than asbestos, or for the absence of any non-asbestos material. Common interferences include, but are not limited to: cellulose, fibrous glass, other man-made vitreous fibers, synthetic fibers, elongate fragments of calcium sulfate, talc, wollastonite, animal hair, and other miscellaneous elongate particles. Sample heterogeneity is indicated by listing more than one distinct layer or material on the report. If more than one distinct sample is received in the same container, samples shall be marked with letters and analyzed separately. Layers within a sample are analyzed separately when feasible; if asbestos is detected, percentages are reported for individual layers. Interlayer contamination is possible among any layers in a sample. The notation ND (or "NONE DETECTED") indicates a result of "NO ASBESTOS DETECTED" in a homogeneous sample, or in a layer of a heterogeneous sample. Composite asbestos percentages from multiple layers are applicable only to wallboard / joint compound systems; compositing is based on customers' descriptions of material as "joint compound". Customers are solely responsible for identification and description of bulk materials listed on field forms. Laboratory descriptions may differ from those given by customers. Quality Control (QC): all results have been determined to be within acceptance limits prior to reporting. Reanalyzed samples are denoted by two sets of analyst initials. Unless otherwise stated herein, all samples were received in acceptable condition for analysis. This report must not be used to claim product endorsement by NIST or any U.S. Government agency. This report shall not be reproduced except in full, without the approval of Micro Analytical Laboratories, Inc., and pertains only to the samples analyzed as received. NFM = Non-fibrous materials.

MICRO ANALYTICAL LABORATORIES, INC.

BULK ASBESTOS ANALYSIS - POLARIZED LIGHT MICROSCOPY (PLM)



1160
 Carolyn Henry
 North Tower Environmental
 1485 Bayshore Boulevard, #185
 San Francisco, CA 94124

PROJECT:
PROJECT NO. NT - 5041
CHABOT COLLEGE
BUILDING 3500
PRE-CONSTRUCTION SURVEY

Micro Log In **330730**
 Total Samples 64
 Date Sampled 05/21/2025
 Date Received 05/24/2025
 Date Analyzed 05/28/2025

SAMPLE IDENTIFICATION	ASBESTOS QUANTITY (AREA %) / TYPES / LAYERS Note: "ND" = No Asbestos Detected	DOMINANT OTHER MATERIALS
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Client #: NT-5041-052125-C-1B Micro #: 330730-61 Analyst: MO CONCRETE NE EXTERIOR SLAB NEAR 117	CONCRETE: < 1% CHRYSOTILE ASBESTOS	NFM: ROCK FRAGMENTS, CARBONATE, BINDER
Client #: NT-5041-052125-C-2B Micro #: 330730-62 Analyst: MO CONCRETE WEST EXTERIOR SLAB NEAR 111	CONCRETE: < 1% CHRYSOTILE ASBESTOS	NFM: ROCK FRAGMENTS, CARBONATE, BINDER
Client #: NT-5041-052125-RC-1A Micro #: 330730-63 Analyst: MO MO RED RUBBER COATING NE EXTERIOR ON CONCRETE PAD NEAR 117	COATING (RED): ND	NFM: SYNTHETIC MATERIAL, CARBONATE.
Client #: NT-5041-052125-RC-2A Micro #: 330730-64 Analyst: MO RED RUBBER COATING NE EXTERIOR ON CONCRETE PAD NEAR 118	COATING (RED): ND	NFM: SYNTHETIC MATERIAL, CARBONATE.

Technical Supervisor:

Baojia Ke, Ph.D. 5/29/2025
 Date Reported

NVLAP Lab Code 101872-0 (TESTING). Analyses use Polarized Light Microscopy (PLM), Micro Analytical SOP PLM-101. Basic techniques follow EPA – Appendix E to Subpart E of 40 CFR Part 763; Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (originally published 1982), and EPA-600/R93-116 (1993). The 1993 method covers all types of bulk materials and is based on the 1982 Method, with improved analytical techniques for layered samples as required for NESHAP compliance. Asbestos is quantified by calibrated visual estimation. Detection limit is material dependent. Detection of asbestos traces (much less than 1%) may not be reliable or reproducible by PLM. Weight % cannot be determined by PLM. Asbestos with diameter below ~1 µm may not be detected by PLM. Absence of asbestos in dust, debris, and some compact materials, including floor tiles, cannot be conclusively established by PLM, and should be confirmed by Transmission Electron Microscopy (TEM). Interferences may prevent detection of small asbestos fibers, and hinder determination of some optical properties. Tremolite-asbestos or actinolite-asbestos may be indistinguishable by PLM from some similar, non-regulated amphiboles (e.g. the "Lobby Amphiboles" richterite and winchite), and should be confirmed by TEM. The lower quantitation limit (reporting limit) of PLM estimation is 1%. The Cal-OSHA definition of asbestos-containing construction material is 0.1% asbestos; however, reliable determination of asbestos percent at this level cannot be done by PLM estimation. PLM Point Counting or TEM weight percent analysis are recommended. Only dominant non-asbestos materials (fibrous and non-fibrous) are listed. This analysis shall not be construed as conclusive for the presence of any reported materials other than asbestos, or for the absence of any non-asbestos material. Common interferences include, but are not limited to: cellulose, fibrous glass, other man-made vitreous fibers, synthetic fibers, elongate fragments of calcium sulfate, talc, wollastonite, animal hair, and other miscellaneous elongate particles. Sample heterogeneity is indicated by listing more than one distinct layer or material on the report. If more than one distinct sample is received in the same container, samples shall be marked with letters and analyzed separately. Layers within a sample are analyzed separately when feasible; if asbestos is detected, percentages are reported for individual layers. Interlayer contamination is possible among any layers in a sample. The notation ND (or "NONE DETECTED") indicates a result of "NO ASBESTOS DETECTED" in a homogeneous sample, or in a layer of a heterogeneous sample. Composite asbestos percentages from multiple layers are applicable only to wallboard / joint compound systems; compositing is based on customers' descriptions of material as "joint compound". Customers are solely responsible for identification and description of bulk materials listed on field forms. Laboratory descriptions may differ from those given by customers. Quality Control (QC): all results have been determined to be within acceptance limits prior to reporting. Reanalyzed samples are denoted by two sets of analyst initials. Unless otherwise stated herein, all samples were received in acceptable condition for analysis. This report must not be used to claim product endorsement by NIST or any U.S. Government agency. This report shall not be reproduced except in full, without the approval of Micro Analytical Laboratories, Inc., and pertains only to the samples analyzed as received. NFM = Non-fibrous materials.

1160

NORTH TOWER ENVIRONMENTAL



1485 Bayshore Blvd., Suite 185, San Francisco, CA 94124 (415) 347-7089

330730 PLM

Turn Around Time: RUSH 6 Hours 24 Hours 48 Hours 72 Hours

Chain of Custody Record

Analysis: AA Lead PLM OTHER TTLC
Wipe Rotameter

Project Number: NT-5041		Project Name: Chabot College - Building 3500 Pre-Construction Survey		
Project Manager: Carolyn Henry		Comments: Please e-mail results to pedro@northtowerenv.com and carolyn@northtowerenv.com		
Sample Number	Date	Sample Information	Sample Location	Remarks or Area
1 NT-5041-052125-GB-1A	5/21/25	Red/Purple VWC / GB / TM	Room 126 North Wall	
2 NT-5041-052125-GB-2A	5/21/25	Red/Purple VWC / GB / TM	Room 126 NW Wall	
3 NT-5041-052125-GB-3A	5/21/25	Red/Purple VWC / GB / TM	Room 121 North Wall	
4 NT-5041-052125-GB-4A	5/21/25	Red/Purple VWC / GB / TM	SW Corridor Wall	
5 NT-5041-052125-GB-5A	5/21/25	Red/Purple VWC / GB / TM	NW Hallway Wall	
6 NT-5041-052125-GB-1B	5/21/25	GB / TM	Room 127 North Wall	
7 NT-5041-052125-GB-2B	5/21/25	GB / TM	Room 129 NW Wall	
8 NT-5041-052125-GB-3B	5/21/25	GB / TM	Room 117 West Wall	
9 NT-5041-052125-GB-4B	5/21/25	GB / TM	Room 142 SE Wall	
10 NT-5041-052125-GB-5B	5/21/25	GB / TM	Room 114 East Wall	
11 NT-5041-052125-GB-1C	5/21/25	Gray VWC / GB / TM	Room 112 NW Wall	
12 NT-5041-052125-GB-2C	5/21/25	Gray VWC / GB / TM	Room 112 NE Wall	
13 NT-5041-052425-SV-1A	5/21/25	Beige Pebble Pattern Sheet Vinyl	Room 127	
Relinquished By: Pedro Rico	Signature: 	Date: 5-22-25	Received By: 	Date: 5/24/25

NORTH TOWER ENVIRONMENTAL


230730

1485 Bayshore Blvd., Suite 185, San Francisco, CA 94124 (415) 347-7089

Turn Around Time: RUSH 6 Hours 24 Hours 48 Hours 72 Hours

Chain of Custody Record

Analysis: AA Lead PLM OTHER TTLC
Wipe Rotameter

Project Number: NT-5041		Project Name: Chabot College - Building 3500 Pre-Construction Survey		
Project Manager: Carolyn Henry		Comments: Please e-mail results to pedro@northtowerenv.com and carolyn@northtowerenv.com		
Sample Number	Date	Sample Information	Sample Location	Remarks or Area
21 NT-5041-052425-ACT-1A	5/21/25	12" x 12" Ceiling Tile / Mastic	Room 117 Ceiling on Unfinished GB	
28 NT-5041-052425-ACT-2A	5/21/25	12" x 12" Ceiling Tile / Mastic	Room 133 Ceiling on Unfinished GB	
24 NT-5041-052125-ACT-1B	5/21/25	2' x 4' Pin Hole Lay-In Ceiling Tile	Entry Area Suspended Ceiling System	
30 NT-5041-052125-ACT-2B	5/21/25	2' x 4' Pin Hole Lay-In Ceiling Tile	SW Hallway Suspended Ceiling System	
31 NT-5041-052125-HS-1A	5/21/25	HVAC Sealant	Square HVAC Duct Above Drop Ceiling - Entry Area	
32 NT-5041-052125-HS-2A	5/21/25	HVAC Sealant	Square HVAC Duct Above Drop Ceiling - Room 107	
33 NT-5041-052125-DS-1A	5/21/25	Door Sealant	Entry Area Interior Side of Sliding Door to Wall Seam	
29 NT-5041-052125-DS-2A	5/21/25	Door Sealant	Entry Area Exterior Side of Sliding Door to Wall Seam	
35 NT-5041-052125-WS-1A	5/21/25	Window Sealant	Room 107 Interior Window to Wall Seam	
34 NT-5041-052125-WS-2A	5/21/25	Window Sealant	Room 126 Exterior Window to Wall Seam	
31 NT-5041-052125-CT-1A	5/21/25	2" x 2" Pink Ceramic Tile / Grout	Room 110 Wall	
36 NT-5041-052125-CT-2A	5/21/25	2" x 2" Pink Ceramic Tile / Grout	Room 134 Wall	
39 NT-5041-052125-CT-1B	5/21/25	2" x 2" Dark Gray Ceramic Tile / Grout	Room 119 Floor	
Relinquished By: Pedro Rico		Signature: 	Date: 5-22-25	Received By: TV
			Signature: TV	Date: 5/21/25

330730



NORTH TOWER ENVIRONMENTAL

1485 Bayshore Blvd., Suite 185, San Francisco, CA 94124 (415) 347-7089

Turn Around Time: RUSH 6 Hours 24 Hours 48 Hours 72 Hours

Analysis: AA Lead PLM OTHER TTLC
Wipe Rotameter

Chain of Custody Record

Project Number: NT-5041		Project Name: Chabot College - Building 3500 Pre-Construction Survey		
Project Manager: Carolyn Henry		Comments: <i>Please e-mail results to pedro@northtowerenv.com and carolyn@northtowerenv.com</i>		
Sample Number	Date	Sample Information	Sample Location	Remarks or Area
40 NT-5041-052125-CT-2A	5/21/25	1" x 1" Pink Ceramic Tile / Grout	Room 110 Floor	
41 NT-5041-052125-CT-2A	5/21/25	1" x 1" Dark Pink Ceramic Tile / Grout	Room 134 Floor	
42 NT-5041-052125-CT-2A	5/21/25	2" x 2" Glossy Pink Ceramic Tile / Grout	Room 134 Floor Cove	
43 NT-5041-052125-CT-2A	5/21/25	Large White Ceramic Tile / Grout	Room 134 Sink Area Countertop	
44 NT-5041-052125-BC-1A	5/21/25	6" Black Basecove / Mastic	Room 126	
45 NT-5041-052125-BC-2A	5/21/25	6" Black Basecove / Mastic	Room 121	
46 NT-5041-052125-BC-1B	5/21/25	6" Gray Basecove / Mastic	SW Hallway	
47 NT-5041-052125-BC-2B	5/21/25	6" Gray Basecove / Mastic	NW Hallway	
48 NT-5041-052125-BC-1C	5/21/25	4" Gray Basecove / Mastic	117 West Wall	
49 NT-5041-052125-BC-2C	5/21/25	4" Gray Basecove / Mastic	117B North Wall	
50 NT-5041-052125-C-1A	5/21/25	Concrete	Room 107 Floor Slab	
51 NT-5041-052125-C-2A	5/21/25	Concrete	Room 136 Floor Slab	
52 NT-5041-052125-CS-1A	5/21/25	Concrete Sealant	Room 127 Slab Seam	
Relinquished By: Pedro Rico	Signature: 	Date: 5-22-25	Received By: 	Date: 5/24/25


330730

NORTH TOWER ENVIRONMENTAL

1485 Bayshore Blvd., Suite 185, San Francisco, CA 94124 (415) 347-7089

Turn Around Time: RUSH 6 Hours 24 Hours 48 Hours 72 Hours
 Analysis: AA Lead PLM OTHER TTLC
 Wipe Rotameter

Chain of Custody Record

Project Number: NT-5041		Project Name: Chabot College - Building 3500 Pre-Construction Survey		
Project Manager: Carolyn Henry		Comments: Please e-mail results to pedro@northtowerenv.com and carolyn@northtowerenv.com		
Sample Number	Date	Sample Information	Sample Location	Remarks or Area
53 NT-5041-052125-CS-2A	5/21/25	Concrete Sealant	Room 127 Slab Seam	
54 NT-5041-052125-SV-1D	5/21/25	Gray Epoxy Style Sheet Vinyl	Room 140 Floor	
55 NT-5041-052125-SV-2D	5/21/25	Gray Epoxy Style Sheet Vinyl	Room 140 Floor	
56 NT-5041-052125-RS-1A	5/21/25	Sealant	Metal Roof Overhang to Permanent Roof Fascia Seam at 117	
57 NT-5041-052125-RS-2A	5/21/25	Sealant	Metal Roof Overhang to Permanent Roof Fascia Seam at 122	
58 NT-5041-052125-RS-3A	5/21/25	Sealant	Metal Roof Overhang to Permanent Roof Fascia Seam at 136	
59 NT-5041-052125-ST-1A	5/21/25	Stucco	NE Exterior Wall at 117	
60 NT-5041-052125-ST-2A	5/21/25	Stucco	East Exterior Wall at 122	
61 NT-5041-052125-C-1B	5/21/25	Concrete	NE Exterior Slab Near 117	
62 NT-5041-052125-C-2B	5/21/25	Concrete	West Exterior Slab Near 111	
63 NT-5041-052125-RC-1A	5/21/25	Red Rubber Coating	NE Exterior on Concrete Pad Near 117	
64 NT-5041-052125-RC-2A	5/21/25	Red Rubber Coating	NE Exterior on Concrete Pad Near 118	
Relinquished By: Pedro Rico		Signature: 	Date: 5-22-25	Received By: N
				Signature: N
				Date: 5/21/25

APPENDIX C
(LABORATORY REPORTS / CHAIN OF CUSTODY
DOCUMENTATION - LEAD)

MICRO ANALYTICAL LABORATORIES, INC.

LEAD IN PAINT - FLAME AAS (SW846)



1160

Carolyn Henry

North Tower Environmental

1485 Bayshore Boulevard, #185

San Francisco, CA 94124

PROJECT:

PROJECT NO. NT-5041

CHABOT COLLEGE

BUILDING 3500

PRE-CONSTRUCTION SURVEY

Micro Log In 330727

Total Samples 12

Date Sampled 05/21/2025

Date Received 05/24/2025

Date Analyzed 05/28/2025

Sample ID	Lead Concentration Weight Percent	mg/kg (ppm)	RDL
Client: NT-5041-052125-L-01 Lab: 330727-01 WHITE PAINT ROOM 127 WEST GYPSUM BOARD WALL	< 0.0078 %	< 78	0.0078 % 78 mg/kg
Client: NT-5041-052125-L-02 Lab: 330727-02 WHITE PAINT ROOM 114 SE GYPSUM BOARD WALL	< 0.0079 %	< 79	0.0079 % 79 mg/kg
Client: NT-5041-052125-L-03 Lab: 330727-03 BLUE AND RED PAINT HALLWAY INTERIOR METAL WINDOW FRAME AT ROOM 120 WINDOW	< 0.0088 % Amount of sample is less than advisable for this method; accuracy of results may be adversely affected.	< 88	0.0088 % 88 mg/kg
Client: NT-5041-052125-L-04 Lab: 330727-04 PURPLE AND RED PAINT ROOM 120 METAL DOOR	< 0.0078 %	< 78	0.0078 % 78 mg/kg
Client: NT-5041-052125-L-05 Lab: 330727-05 PINK PAINT NE EXTERIOR STUCCO WALL	< 0.0078 %	< 78	0.0078 % 78 mg/kg

Technical Supervisor:


 Long T. Nguyen, Chemistry Supervisor

5/28/2025

Date Reported

Analyst:

TLN

AIHA-LAP, LLC Accredited Laboratory, ID #101768. Samples are analyzed by Flame Atomic Absorption Spectrometry (FLAAS) using SOP 23-Paint. This SOP is based on U.S. EPA SW-846 Method 7420 for instrumental analysis, and on ASTM E-1645-21 for nitric acid and hydrogen peroxide digestion. Unless otherwise indicated on this report, all required Quality Control samples have been determined to be in control prior to releasing these analytical results. Unless otherwise stated in this report, all samples were received in acceptable condition for analysis. Note: due to software limitations, the number of reported significant figures does not necessarily reflect the uncertainty of the analysis. If the amount of sample available for analysis is lower than advisable for this method, detection limits and uncertainty will be higher. This report must not be reproduced except in full, without the approval of Micro Analytical Laboratories, Inc., and pertains only to the samples analyzed as received. Unit explanations: mg = milligrams; kg = kilograms; ppm = parts per million. N/A = Not Applicable. RDL = Report Detection Limit.

MICRO ANALYTICAL LABORATORIES, INC.

LEAD IN PAINT - FLAME AAS (SW846)



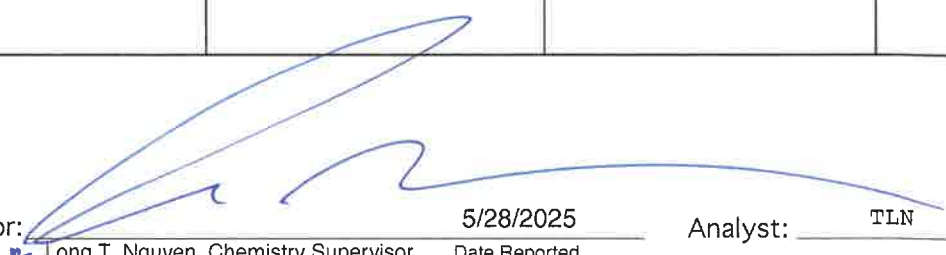
1160
Carolyn Henry
North Tower Environmental
1485 Bayshore Boulevard, #185
San Francisco, CA 94124

PROJECT:
PROJECT NO. NT-5041
CHABOT COLLEGE
BUILDING 3500
PRE-CONSTRUCTION SURVEY

Micro Log In **330727**
Total Samples 12
Date Sampled 05/21/2025
Date Received 05/24/2025
Date Analyzed 05/28/2025

Sample ID	Lead Concentration Weight Percent	mg/kg (ppm)	RDL
Client: NT-5041-052125-L-06 Lab: 330727-06 WHITE PAINT NE / 117 OVERHAND METAL POST	0.15 %	1500	0.0200 % 200 mg/kg
Client: NT-5041-052125-L-07 Lab: 330727-07 WHITE PAINT INTERIOR STEEL POST AT HALLWAY NEAR ROOM 120	< 0.0078 %	< 78	0.0078 % 78 mg/kg
Client: NT-5041-052125-L-08 Lab: 330727-08 WHITE AND RED PAINT ROOM 122 INTERIOR METAL WINDOW FRAME	< 0.0078 %	< 78	0.0078 % 78 mg/kg
Client: NT-5041-052125-L-09 Lab: 330727-09 DARK PINK PAINT ROOM 127 EXTERIOR ROLL-UP DOOR	0.018 %	180	0.0078 % 78 mg/kg
Client: NT-5041-052125-L-10 Lab: 330727-10 WHITE PAINT NE ROOF METAL FASCIA	< 0.0078 %	< 78	0.0078 % 78 mg/kg

Technical Supervisor:


Long T. Nguyen, Chemistry Supervisor

5/28/2025

Date Reported

Analyst:

TLN

AIHA-LAP, LLC Accredited Laboratory, ID #101768. Samples are analyzed by Flame Atomic Absorption Spectrometry (FLAAS) using SOP 23-Paint. This SOP is based on U.S. EPA SW-846 Method 7420 for instrumental analysis, and on ASTM E-1645-21 for nitric acid and hydrogen peroxide digestion. Unless otherwise indicated on this report, all required Quality Control samples have been determined to be in control prior to releasing these analytical results. Unless otherwise stated in this report, all samples were received in acceptable condition for analysis. Note: due to software limitations, the number of reported significant figures does not necessarily reflect the uncertainty of the analysis. If the amount of sample available for analysis is lower than advisable for this method, detection limits and uncertainty will be higher. This report must not be reproduced except in full, without the approval of Micro Analytical Laboratories, Inc., and pertains only to the samples analyzed as received. Unit explanations: mg = milligrams; kg = kilograms; ppm = parts per million. N/A = Not Applicable. RDL = Report Detection Limit.

MICRO ANALYTICAL LABORATORIES, INC.

LEAD IN PAINT - FLAME AAS (SW846)



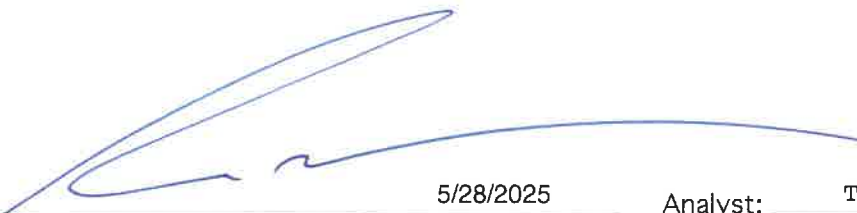
1160
 Carolyn Henry
 North Tower Environmental
 1485 Bayshore Boulevard, #185
 San Francisco, CA 94124

PROJECT:
 PROJECT NO. NT-5041
 CHABOT COLLEGE
 BUILDING 3500
 PRE-CONSTRUCTION SURVEY

Micro Log In 330727
 Total Samples 12
 Date Sampled 05/21/2025
 Date Received 05/24/2025
 Date Analyzed 05/28/2025

Lead Concentration

Sample ID	Weight Percent	mg/kg (ppm)	RDL
Client: NT-5041-052125-L-11 Lab: 330727-11 DARK BROWN PAINT 117 OVERHANG GUTTER	1.3 %	13000	0.2000 % 2,000 mg/kg
Client: NT-5041-052125-L-12 Lab: 330727-12 WHITE PAINT NE ROOF WOOD FASCIA	< 0.0079 %	< 79	0.0079 % 79 mg/kg

Technical Supervisor: 

Long T. Nguyen, Chemistry Supervisor

5/28/2025

Date Reported

Analyst:

TLN

AIHA-LAP, LLC Accredited Laboratory, ID #101768. Samples are analyzed by Flame Atomic Absorption Spectrometry (FLAAS) using SOP 23-Paint. This SOP is based on U.S. EPA SW-846 Method 7420 for instrumental analysis, and on ASTM E-1645-21 for nitric acid and hydrogen peroxide digestion. Unless otherwise indicated on this report, all required Quality Control samples have been determined to be in control prior to releasing these analytical results. Unless otherwise stated in this report, all samples were received in acceptable condition for analysis. Note: due to software limitations, the number of reported significant figures does not necessarily reflect the uncertainty of the analysis. If the amount of sample available for analysis is lower than advisable for this method, detection limits and uncertainty will be higher. This report must not be reproduced except in full, without the approval of Micro Analytical Laboratories, Inc., and pertains only to the samples analyzed as received. Unit explanations: mg = milligrams; kg = kilograms; ppm = parts per million. N/A = Not Applicable. RDL = Report Detection Limit.

11/10

330127

AA PAINT

NORTH TOWER ENVIRONMENTAL

1485 Bayshore Blvd., Suite 185, San Francisco, CA 94124 (415) 347-7089

Turn Around Time: RUSH 6 Hours 24 Hours 48 Hours 72 Hours

Analysis: AA Lead PLM OTHER Rotameter

Chain of Custody Record

Project Number: NT-5041		Project Name: Chabot College - Building 3500 Pre-Construction Survey		Remarks or Area
Project Manager: Carolyn Henry		Comments: Please e-mail results to pedro@northtowerenv.com and carolyn@northtowerenv.com		
Sample Number	Date	Sample Information	Sample Location	Remarks or Area
NT-5041-052125-L-01	5/21/25	White Paint	Room 127 West Gypsum Board Wall	
NT-5041-052125-L-02	5/21/25	White Paint	Room 114 SE Gypsum Board Wall	
NT-5041-052125-L-03	5/21/25	Blue and Red Paint	Hallway Interior Metal Window Frame at Room 120 Window	
NT-5041-052125-L-04	5/21/25	Purple and Red Paint	Room 120 Metal Door	
NT-5041-052125-L-05	5/21/25	Pink Paint	NE Exterior Stucco Wall	
NT-5041-052125-L-06	5/21/25	White Paint	NE/117 Overhang Metal Post	
NT-5041-052125-L-07	5/21/25	White Paint	Interior Steel Post at Hallway Near Room 120	
NT-5041-052125-L-08	5/21/25	White and Red Paint	Room 122 Interior Metal Window Frame	
NT-5041-052125-L-09	5/21/25	Dark Pink Paint	Room 127 Exterior Roll-Up Door	
NT-5041-052125-L-10	5/21/25	White Paint	NE Roof Metal Fascia	
NT-5041-052125-L-11	5/21/25	Dark Brown Paint	117 Overhang Gutter	
NT-5041-052125-L-12	5/21/25	White Paint	NE Roof Wood Fascia	
Relinquished By: Pedro Rico		Date: 5-22-25	Signature: TV	Date: 5/24/25

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MICRO ANALYTICAL LABORATORIES, INC.

EPA SW-846 LEAD-TTLC



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 Carolyn Henry
 North Tower Environmental
 1485 Bayshore Boulevard, #185
 San Francisco, CA 94124

PROJECT:

 PROJECT NO. NT-5041
 CHABOT COLLEGE
 BUILDING 3500
 PRE-CONSTRUCTION SURVEY

Micro Log In **330723**
 Total Samples 5
 Date Sampled 05/21/2025
 Date Received 05/24/2025
 Date Analyzed 05/28/2025

Sample ID	Lead Concentration, ppm	RDL, ppm	Comments
Client NT-5041-052125-LB-01 Micro 330723-01 2" X 2" PINK CERAMIC TILE ROOM 110 WALL	< 10	10	
Client NT-5041-052125-LB-02 Micro 330723-02 1" X 1" DARK PINK CERAMIC TILE ROOM 134 FLOOR	< 10	10	
Client NT-5041-052125-LB-03 Micro 330723-03 2" X 2" PINK / PURPLE CERAMIC TILE ROOM 134 WALL	< 10	10	
Client NT-5041-052125-LB-04 Micro 330723-04 2" X 2" GLOSSY PINK CERAMIC TILE ROOM 134 FLOOR COVE	< 10	10	
Client NT-5041-052125-LB-05 Micro 330723-05 LARGE WHITE CERAMIC TILE ROOM 134 SINK COUNTERTOP	18	10	

Technical Supervisor: _____

Long T. Nguyen, Chemistry Supervisor

5/28/2025

Date Reported

Analyst: _____

RN

Samples are analyzed by Flame Atomic Absorption Spectrometry (FLAAS) using SOP 23-Soil (in accordance with EPA Methods 3050B for Acid Digestion (SW 846, 3rd edition, 2007) and 7420 for Analysis (SW-846, 3rd edition, 2007)). NOTE: Water samples are analyzed by FLAA in accordance with Method 3111B (Standard Methods for the Examination of Water and Wastewater, 18th edition). Unless otherwise indicated on this report, all required Quality Control samples have been determined to be in control prior to releasing these analytical results. Unless otherwise stated in this report, all samples were received in acceptable condition for analysis. Note: due to software limitations, the number of reported significant figures does not necessarily reflect the uncertainty of the analysis. This report must not be reproduced except in full without the approval of Micro Analytical Laboratories, Inc., and pertains only to the samples analyzed as received. Unit explanations: mg = milligrams; kg = kilograms; ppm = parts per million. TTLC = TOTAL THRESHOLD LIMIT CONCENTRATION. L = liters. RDL = Report Detection Limit. Note: mg / Kg is the same as ppm for solids, and mg/L is the same as ppm for water.

APPENDIX D
(SAMPLE LOCATION MAP)

