TERRA Environmental

September 12, 2024

Prepared for:

California State University Los Angeles
5151 State University Dr.
Los Angeles, CA 90032

Attn: Mrs. Barbara Queen

Re: Asbestos Indoor Air Quality Assessment
California State University Los Angeles
King Hall
5151 State University Dr.
Los Angeles, CA 90032

INTRODUCTION

At the request of CSULA, Terra Environmental Services conducted an Asbestos Indoor Air Quality Assessment at CSULA King Hall and Administration Buildings. Terra Environmental Services performed the Asbestos Assessment on August 8, September 4 and 6, 2024.

The purpose of Asbestos Assessment was to address employee concerns about the potential presence of asbestos fibers present in the settled dust and Airborne fibers in King Hall Rooms A4025, A4026, A4027, A4028 and C4030 and Administration Building Rooms 606, 606B and 609.

SCOPE OF WORK

The Asbestos Assessment consisted of a visual inspection, collection of settled dust surface samples (dust wipe) and PCM air samples at KH Rooms A4025, A4026, A4027, A4028 and C4030 and Administration Building Rooms 606, 606B and 609. The wipe samples were collected at random selected areas at each room. The PCM ambient air sampling was conducted in general accordance with NIOSH 7400 METHOD air samples from the KH and Administration Buildings. The air samples were collected at each room. There are known asbestos floor tiles in KH Rooms A4025 and C4030 and Administration Building Rooms 606, 606B and 609 the asbestos floor tiles are in Intact condition.

BACKGROUND AND FIELD WORK

BACKGROUND.

- There was a water intrusion incident at King Hall – Wing A roof, rainwater leaked into room A4027 and a few of the known ACM floor tiles along the N wall were impacted by the water intrusion, the tiles remained in intact condition.
- As result of this water intrusion event, the ACM floor tiles and mastic were removed from Rooms A4026, A4027 and A4028 per SCAQMD Rule 1403 and DOSH Title 8 Section 1529 Asbestos regulations, by a CA DOSH Certified Asbestos abatement contractor.
- Prior to ACM Floor tile abatement, the contents of rooms A4026, A4027 and A4028 were stored in Administration Building Room 606B. The Administration building has been un-occupied for three years and is securely locked to the public.
- At the conclusion of abatement activities at Rooms A4026, A4027 and A4028, Terra collected TEM samples inside work areas, TEM laboratory results met the Clearance criteria of <70 structures per cm^2.
- Environmental Air testing was conducted at KH on August 14, 2024, by Terra Environmental, Laboratory analysis of the ambient air samples by NIOSH 7400 Method revealed fiber concentrations below EPA 0.01 f/cc limits.

FIELD WORK

- August 30, 2024: Settled dust Wipe sample collection at King Hall room A4027 contents. ASTM D6480 Method. Asbestos (Chrysotile) structures detected on all wipe samples.

- September 4, 2024: Reference Settled dust Wipe samples collected at KH rooms A4026 and A4028. Chrysotile (Asbestos) structures were detected in Room A4026. No asbestos was detected in KH room A4028. Ambient air samples collected at KH Rooms A4026, A4027 and A4028. Airborne fibers below EPA Limits of 0.01 fibers per cubic centimeter (f/cc) by PCM analysis per NIOSH 7400 Method.

  Settled dust samples collected at Administration Building room 606B and contents path of travel. Contents of rooms A4026, A4027 and A4028 were stored in this room during abatement activities. Asbestos (Chrysotile) were structures detected on all wipe samples. September 4, 2024: Ambient air samples collected Administration Building Rm 606B. Airborne fibers below EPA Limits of 0.01 fibers per cubic centimeter (f/cc) by PCM analysis per NIOSH 7400 Method

- September 6, 2024: Control Settled dust Wipe samples collected at KH rooms A4025 and C4030. Asbestos (Chrysotile) structures detected at both Rooms. Ambient air samples collected at KH Rooms A4025 and C4030. Airborne fibers below EPA Limits of 0.01 fibers per cubic centimeter (f/cc) by PCM analysis per NIOSH 7400 Method.

- September 6, 2024: Control Settled dust Wipe samples collected at Administration Building rooms 606B and 609. (Chrysotile) structures detected at both Rooms. Ambient air samples were collected in Rooms 606B and 609. Airborne fibers below EPA Limits of 0.01 fibers per cubic centimeter (f/cc) by PCM analysis per NIOSH 7400 Method.

- Additional Settled dust Wipe samples were collected at KH Room A4027; Asbestos (Chrysotile) structures detected.

Sampling methodology, sampling procedures and Laboratory

TERRA performed both visual and analytical inspections to ensure that airborne asbestos levels are within the EPA asbestos fiber criteria for general occupancy. The asbestos Inspection and Assessment was performed by Mr. Israel Monsalvo, a California Division of Occupational Safety and Health (DOSH), Certified Asbestos Consultant (#04-3551) and Sebastian Monsalvo, AHERA Certified Asbestos Building Inspector.

Air Samples

Airborne Asbestos: Phase Contrast Microscopy (PCM) is widely used to measure fiber concentrations of air samples. This is routinely performed at asbestos abatement sites and is applied for environmental monitoring, personnel monitoring, and clearance testing for abatement projects. The EPA Clearance for asbestos is 0.01 fibers per cubic centimeter (0.01 f/cc).

Procedures: Monitoring the environment for airborne asbestos requires the use of sensitive sampling and analysis procedures. The PCM samples are collected on a 25-mm three-piece cassette with ca. 50 mm electrically conductive extension cowl, cellulose ester membrane filter, 0.8 µm pore size with a portable sampling pump calibrated between 0.5 to 16 liters per minute. Terra Environmental representative calibrated the sampling pump to 15.8 LPM at the beginning and end of the sampling procedure.

Laboratory: The PCM samples were transferred following proper chain of custody protocol to LA Testing located at 520 Mission Street, South Pasadena, CA 91030, for analysis. The samples were analyzed by Phase Contrast Microscopy (PCM) NIOSH 7400 Method.

AIR SAMPLE RESULTS

Table #1 – Administration Building Room 606
September 4, 2024

Sample No	Location	Results	EPA Limits <0.01 f/cc
AB606-1	Room 606 West	<0.0021 F/cc	PASS
AB606-2	Room 606 East	<0.0021 F/cc	PASS
AB-H3	Hallway	<0.0021 F/cc	PASS
AB-B-4	Field blank	LOD	
AB-B-5	Sealed blank	LOD	

Table #2 – King Hall Rooms 4026, 4027 and 4028
September 4, 2024

Sample No	Location	Results	EPA Limits <0.01 f/cc
4026-1	Room KH A4026	<0.0021 F/cc	PASS
4026-2	Room KH A4026	<0.0021 F/cc	PASS
4027-3	Room KH A4027	0.0027 F/cc	PASS
4027-4	Room KH A4028	<0.0021 F/cc	PASS
4028-5	Room KH A4028	<0.0021 F/cc	PASS
KHA-06	Field blank	LOD	
KHA-07	Sealed blank	LOD	

Table #3 – Administration Building Rm 606A
September 6, 2024

Sample No	Location	Results	EPA Limits <0.01 f/cc
606A-01	Rm. 606A -	<0.0021 F/cc	PASS
606A-02	Rm. 606A -	<0.0021 F/cc	PASS
609-01	Rm. 609 -	<0.0021 F/cc	PASS
609-02	Rm. 609 -	<0.0021 F/cc	PASS
606H-01	Rm. 606 - Hallway	<0.0021 F/cc	PASS
606-06	Field blank	LOD	
606-07	Sealed blank	LOD	

Table #4 – KH Rooms A4025 and C4030
September 6, 2024

Sample No	Location	Results	EPA Limits <0.01 f/cc
4025-1	Room A4025 – N	<0.0021 F/cc	PASS
4025-2	Room A4025 – W	<0.0022 F/cc	PASS
4025-3	Room A4030 – N	<0.0022 F/cc	PASS
4025-4	Room A4030 - S	<0.0022 F/cc	PASS
KH-5	Field blank	LOD	
KH-6	Sealed blank	LOD	

The PCM sample analysis by NIOSH 7400 METHOD, revealed fiber concentrations below 0.01 F/CC. (40 CFR Part 763, Subpart E, of the *Asbestos in Schools Rule*, issued by the U.S. Environmental Protection Agency (EPA)).

Asbestos Settled Dust Samples

Asbestos Settled Dust: Studies have shown that normal activity in buildings with known ACM led to the release of the fibrous mineral from its building material matrix. Ambient or existing conditions settled dust sampling in buildings is performed to the presence of asbestos on the surface dust.

Procedures: Two commonly used ASTM methods are available for sampling settled dust for asbestos analysis: ASTM D5755 (Micro-vacuum Method) and ASTM D6480[1] (Wipe Method). These methods are used to sample and analyze settled dust from a given area. Results are provided in structures per square centimeter (Str/cm^2) regardless of the unit of measure used to sample. The surface dust wipe is taken on a 10x10 cm surface area as recommended; Terra collected the wipe samples in general accordance with ASTM D6480[3] on a 929 cm^2 (1'x1') surface.

Laboratory: The Qualitative Asbestos Wipe Samples were transferred following proper chain of custody protocol to LA Testing, located at 520 Mission Street in South Pasadena, California, for analysis. LA Testing is an accredited laboratory for asbestos analysis under the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program (NVLAP Certification Number 200232-0) Telephone # (323) 254-9960.

Terra Environmental collected six (6) Surface Settle Dust Wipe samples at each selected room in KH and Administration Buildings. The sample analysis results revealed the following.

Table #5 – KH Rm A4027
August 30, 2024

Sample No	Location	Asbestos type	Concentration (str/cm^2)
AW-01	**Rm. A4027 – Bookshelf – C2**	**Chrysotile**	**<404**
AW-02	**Rm. A4027 – Box #2 #5**	**Chrysotile**	**<404**
AW-03	**Rm. A4027 – Box #2 #08**	**Chrysotile**	**<404**
AW-04	Rm. A4027 – KT Cabinet Top draw	None Detected	<404
AW-05	**Rm. A4027 – Typewriter**	**Chrysotile**	**<771**
AW-06	**Rm. A4027 – Box #2 #6-7**	**Chrysotile**	**<771**

Table #6 – KH Rm A4026
September 4, 2024

Sample No	Location	Asbestos type	Concentration (str/cm²)
4026–W-01	Rm. A4026 – Book Shelf (S)	None Detected	<407
4026-W-02	**Rm. A4026 – Book Shelf (N)**	**Chrysotile**	**408**
4026-W-03	Rm. A4026 - Desk	None Detected	<777
4026-W-04	**Rm. A4026 – Book Shelf NE**	**Chrysotile**	**<407**
4026-W-05	Rm. A4026 – File Cabinet	None Detected	<407
4026-W-06	Rm. A4026 - Printer	None Detected	<407

Table #7 – KH Rm A4028
September 4, 2024

Sample No	Location	Asbestos type	Concentration (str/cm²)
4028–W-01	Rm. A4028 – Book Shelf (N)	None Detected	<777
4028-W-02	Rm. A4028 – Book Box (S)	None Detected	<777
4028-W-03	Rm. A4028 – File Cabinet	None Detected	<407
4028-W-04	Rm. A4028 – Book Box (N4)	None Detected	<407
4028-W-05	Rm. A4028 - Couch	None Detected	<777
4028-W-06	Rm. A4028 - Printer	None Detected	<777

Table #8 -Administration Bldg. Room 606B
September 4, 2024

Sample No	Location	Asbestos type	Concentration (str/cm²)
AB-606-1	**Room 606B - Chair Rail**	**Chrysotile**	**1140**
AB-606-2	**Room 606B – Floor by Door**	**Chrysotile**	**1090**
AB-606-3	**Room 606B – Floor by Floor**	**Chrysotile**	**1460**
AB-606-4	**Room 606B – Hallway Floor**	**Chrysotile**	**1090**
AB-606-5	**Room 606B – Cabinet at 606B**	**Chrysotile**	**1460**
AB-606-6	**Room 606B – Elevator Floor**	**Chrysotile**	**18200**

CONTROL SAMPLE RESULTS

Table #9 – KH Rm A4025
September 6, 2024

Sample No	Location	Asbestos type	Concentration (str/cm²)
4025-01	**Rm. KH A4025 – SW Shelf**	**Chrysotile**	**780**
4025-02	Rm. KH A4025 – SE Desk	None Detected	<777
4025-03	Rm. KH A4025 – NW Desk	None Detected	<777
4025-04	Rm. KH A4025 – NE Shelf	None Detected	<777
4025-05	**Rm. KH A4025 – Chair**	**Chrysotile**	**<777**
4025-06	Rm. KH A4025 – SW Printer	None Detected	<407

Table #10 – KH Rm A4030
September 6, 2024

Sample No	Location	Asbestos type	Concentration (str/cm²)
4030-01	**Rm. KH A4030 – NE Desk**	**Chrysotile**	**<407**
4030-02	Rm. KH A4030 – NW Desk	None Detected	<407
4030-03	Rm. KH A4030 – S Shelf	None Detected	<407
4030-04	Rm. KH A4030 – File Cabinet	None Detected	<407
4030-05	Rm. KH A4030 – Printer	None Detected	<407
4030-06	Rm. KH A4030 – SW Desk	None Detected	<407

Table #11 – KH Rm A4027
September 6, 2024

Sample No	Location	Asbestos type	Concentration (str/cm²)
4027-07	Rm. A4027 – East Shelf	Chrysotile	1820
4027-08	**Rm. A4027 – File Cabinet**	**None Detected**	**<777**
4027-09	**Rm. A4027 – South Self**	**Chrysotile**	**780**
4027-10	Rm. A4027 – Box Shelf 2 (N)	None Detected	<407
4027-11	**Rm. A4027 – Box #2 Shelf 4**	**Chrysotile**	**<407**
4027-12	**Rm. A4027 – Box Shelf #3 (1,2,3)**	**Chrysotile**	**<777**

Table #12 -Administration Bldg. Room 606C
September 6, 2024

Sample No	Location	Asbestos type	Concentration (str/cm^2)
606B-01	**Room 606C - Desk**	**Chrysotile**	**<777**
606B-02	Room 606C – Windowsill	None detected	<777
606B-03	**Room 606C – Floor**	**Chrysotile**	**<5440**
606B-04	**Room 606C – Cabinet**	**Chrysotile**	**<777**
606B-05	**Room 606C – Floor**	**Chrysotile**	**<1090**
606B-06	Room 606C – Magazine Shelf	None Detected	<777

Table #13 – Administration Bldg. Room 609
September 6, 2024

Sample No	Location	Asbestos type	Concentration (str/cm^2)
609-01	**Rm. 609 - Desk**	**Chrysotile**	**<777**
609-02	Rm. 609 – Shelf	None Detected	<407
609-03	**Rm. 609 – Windowsill**	**Chrysotile**	**1300**
609-04	**Rm. 609 – Floor**	**Chrysotile**	**63700**
609-05	**Rm. 609 – Desk**	**Chrysotile**	**<777**
609-06	**Rm. 609 - Floor**	**Chrysotile**	**1560**

*Detection Limit (DL) for Asbestos Analysis of Dust Samples Using Method ASTM 6480 is <2.99 structures per centimeter square (str/cm^2).

[3]This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety, health, and environmental practices and determine the applicability of regulatory limitations prior to use. https://www.astm.org/d6480-19.html

CONCLUSION

Levels of asbestos in settled dust as determined by the Microvac technique are generally considered low (levels expected outdoors) if less than 1,000 s/cm^2 (structures per square centimeter) are detected, above background (Moderate Contamination) if levels are greater than 10,000 s/cm^2, and high (significant contamination) if levels are above 100,000 s/cm2. Levels above 100,000 s/cm^2 are usually associated with a significant accidental release such as from an asbestos abatement site[2].

[2]Reference: Millette, J.R. and S.M. Hays, Settled Asbestos Dust Sampling and Analysis, Lewis Publishers, London, 1994.

ASTM D5755-09 Method for Microvacuum Sampling and Indirect Analysis of Dust by Transmission Electron Microscopy for Asbestos Structure Number Surface Loading counting Method is similar to ASTM D6480 Standard Test Method for Wipe Sampling of Surfaces, Indirect Preparation, and Analysis for Asbestos Structure Number Concentration by Transmission Electron Microscopy.

The wipe samples collected at King Hall rooms A4025, A4026, A4028 and C4030 indicate structures concentration below 1,000 s/cm^2 (low levels) and Room A4027 shows levels greater than 1,000 s/cm^2(moderate). Administration Building rooms 606B, 606C and 609 show levels greater than 1,000 s/cm^2. Cross-contamination of contents of KH Rooms A4026, A4027 and A4028 due to storage at Administration building Room 606 cannot be established since asbestos structures on settled dust samples were also found at KH Control Rooms A4025 and C4030.

Note: EPA nor OSHA have established threshold limits for asbestos in settled dust. Therefore, there is no published or consensus standard available.

California Department of Industrial Relations (DIR) establishes in CCR, Title 8 Section 5208 Asbestos. General Industry Safety orders. (c) Permissible Exposure limit (PELS) (1) Time-weighted average limit (TWA): The employer shall ensure that no employee is exposed to an airborne concentration of asbestos in excess of 0.1 fiber per cubic centimeter (0.1 f/cc) of air as an eight (8)-hour time-weighted average (TWA) as determined by the method prescribed in Appendix A to this section, or by an equivalent method.

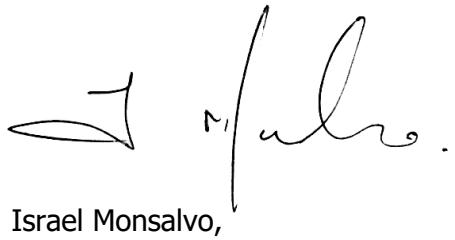
Although the PCM Sample results meet the EPA Air Clearance levels of 0.01 fibers per cubic centimeter and are stricter than the OSHA Permissible Exposure Limit (PEL) of 0.1 fibers per cubic centimeter TWA, and asbestos structures per centimeter square on the settled dust were below moderate levels, asbestos results by the ASTM 6480 Method, do not meet the OSHA requirements for asbestos exposure monitoring.

RECOMMENDATIONS

Based on the air sample and asbestos wipe analysis and visual inspection, Terra offers the following recommendations:

- King Hall Rooms A4026, A4027, A4025 and C4030: Environmental cleanup of all interior surfaces and room contents by Cal OSHA Registered asbestos Contractor. Clearance monitoring after environmental cleanup, Wipe samples results should be None-detected and air samples below EPA clearance levels.
- King Hall Room A4028: No further testing is required.
- Administration Building: Maintain building security to prevent unnecessary access to the building.
- Settled dust sampling at CSULA should be discontinued and replaced with OSHA approved Method for Personal exposure monitoring. Employee participation is required to determine occupational exposure. Title 8 Section 5208 Asbestos.
- Provide employees represented by this study with access to this report and the results contained herein, in accordance with 8 CCR 3204(e).

Written by:



Israel Monsalvo,
DOSH CAC #04-3551

Reviewed by:



Ivan Dean Myers
CIH 9641 CP
DOSH CAC 02-3128

LIMITATIONS

The field observations, measurements, and research reported in this document are sufficient in detail and scope to form a reasonable basis for a site specific Settled Dust Sampling and PCM air ambient sampling. The assessment, conclusions, and recommendations presented herein are based upon the subjective evaluation of limited data. They may not represent all conditions at the subject site as they reflect the information gathered from specific locations. Terra Environmental warrants the findings and conclusions contained herein have been promulgated in accordance with generally accepted industrial hygiene methodology and only for the site described in this report.

Appendix

Regulatory Notification Requirements & Compliance Criteria

SCAQMD Rule 1403. Not applicable

Counting Methods on ASTM 6480 Settled Dust Wipe sample analysis are reported in structures per square centimeter while SCAQMD establishes that Sampling of materials suspected to contain asbestos, to comply with Rule 1403, shall be conducted following the provisions of 40 CFR Part 763.86 Polarized Light Microscopy and reported in percentage (%) of weight.

RULE 1403. ASBESTOS EMISSIONS FROM DEMOLITION/RENOVATION ACTIVITIES

(a) Purpose

The purpose of this rule is to specify work practice requirements to limit asbestos emissions from building demolition and renovation activities, including the removal and associated disturbance of asbestos-containing materials (ACM). The requirements for demolition and renovation activities include asbestos surveying, notification, ACM removal procedures and time schedules, ACM handling and clean-up procedures, and storage, disposal, and landfilling requirements for asbestos-containing waste materials (ACWM). All operators are required to maintain records, including waste shipment records, and are required to use appropriate warning labels, signs, and markings.

(b) Applicability

This rule, in whole or in part, is applicable to owners and operators of any demolition or renovation activity, and the associated disturbance of asbestos containing material, any asbestos storage facility, or any active waste disposal site.

(c) Definitions

For the purpose of this rule, the following definitions shall apply:

> (5) ASBESTOS-CONTAINING MATERIAL (ACM) is both friable asbestos containing material or Class I nonfriable asbestos-containing material.
>
> (9) CLASS I NONFRIABLE ASBESTOS-CONTAINING MATERIAL is material containing more than one percent (1%) asbestos as determined by paragraph (h)(2), and that, when dry, can be broken, crumbled, pulverized, or reduced to powder in the course of demolition or renovation activities. Actions which may cause material to be broken, crumbled, pulverized, or reduced to powder include physical wear and disturbance by mechanical force, such as, but not limited to, sanding, sandblasting, cutting or abrading, improper handling or removal or leaching of matrix binders. Class I nonfriable asbestos-containing material includes, but is not limited to, fractured or crushed asbestos cement products, transite materials, mastic, roofing felts, roofing tiles, cement water pipes and resilient floor covering.

(10) CLASS II NONFRIABLE ASBESTOS-CONTAINING MATERIAL is all other material containing more than one percent (1%) asbestos as determined by paragraph (h)(2), that is neither friable nor Class I nonfriable.

(20) FRIABLE ASBESTOS-CONTAINING MATERIAL is material containing more than one percent (1%) asbestos as determined by paragraph (h)(2), that, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure.

Title 8 Section 5208 Asbestos. General Industry Safety orders

(a) Scope and application -

(1) This section applies to all occupational exposures to asbestos in all industries covered by the California Occupational Safety and Health Act, except as provided in subsection (a)(2) and (3) of this section.

(d) Exposure monitoring

(1) General.

(A) Determinations of employee exposure shall be made from breathing zone air samples that are representative of the 8-hour TWA and 30-minute short-term exposures of each employee.

(B) Representative 8-hour TWA employee exposures shall be determined on the basis of one or more samples representing full- shift exposures for each shift for each employee in each job classification in each work area. Representative 30-minute short- term employee exposures shall be determined on the basis of one or more samples representing 30 minute exposures associated with operations that are most likely to produce exposures above the excursion limit for each shift for each job classification in each work area.

Title 8 Section 5208 Asbestos, Appendix A

OSHA Reference Method
Mandatory

This mandatory appendix specifies the procedure for analyzing air samples for asbestos, tremolite, anthophyllite, and actinolite and specifies quality control procedures that must be implemented by laboratories performing the analysis. The sampling and analytical methods described below represent the elements of the available monitoring methods (such as appendix B to this section, the most current version of the OSHA method ID-60, or the most current version of the NIOSH 7400 method) which OSHA considers to be essential to achieve adequate employee exposure monitoring while allowing employers to use methods that are already established within their organizations. All employers who are required to conduct air monitoring under subsection (d) of this section are required to utilize analytical laboratories that use this procedure, or an equivalent method, for collecting and analyzing samples.

Sampling and Analytical Procedure

1. The sampling medium for air samples shall be mixed cellulose ester filter membranes. These shall be designated by the manufacturer as suitable for asbestos, tremolite, anthophyllite, and actinolite counting. See below for rejection of blanks.

2. The preferred collection device shall be the 25-mm diameter cassette with an open-faced 50-mm extension cowl. The 37-mm cassette may be used if necessary but only if written justification for the need to use the 37-mm filter cassette accompanies the sample results in the employee's exposure monitoring record. Do not reuse or reload cassettes for asbestos sample collection.

3. An air flow rate between 0.5 liter/min and 2.5 liters/min shall be selected for the 25-mm cassette. If the 37-mm cassette is used, an air flow rate between 1 liter/min and 2.5 liters/min shall be selected.

4. Where possible, a sufficient air volume for each air sample shall be collected to yield between 100 and 1,300 fibers per square millimeter on the membrane filter. If a filter darkens in appearance or if loose dust is seen on the filter, a second sample shall be started.

5. Ship the samples in a rigid container with sufficient packing material to prevent dislodging the collected fibers. Packing material that has a high electrostatic charge on its surface (e.g., expanded polystyrene) cannot be used because such material can cause loss of fibers to the sides of the cassette.

6. Calibrate each personal sampling pump before and after use with a representative filter cassette installed between the pump and the calibration devices.

7. Personal samples shall be taken in the "breathing zone" of the employee (i.e., attached to or near the collar or lapel near the worker's face).

8. Fiber counts shall be made by positive phase contrast using a microscope with an 8 to 10 X eyepiece and a 40 to 45 X objective for a total magnification of approximately 400 X and a numerical aperture of 0.65 to 0.75. The microscope shall also be fitted with a green or blue filter.

9. The microscope shall be fitted with a Walton-Beckett eyepiece graticule calibrated for a field diameter of 100 micrometers (+/- 2 micrometers).

10. The phase-shift detection limit of the microscope shall be about 3 degrees measured using the HSE phase shift test slide as outlined below.

    a. Place the test slide on the microscope stage and center it under the phase objective.

    b. Bring the blocks of grooved lines into focus.

    Note: The slide consists of seven sets of grooved lines (ca. 20 grooves to each block) in descending order of visibility from sets 1 to 7, seven being the least visible. The requirements for asbestos, tremolite, anthophyllite, and actinolite counting are that the microscope optics must resolve the grooved lines in set 3 completely, although they may appear somewhat faint, and that the grooved lines in sets 6 and 7 must be invisible. Sets 4 and 5 must be at least partially visible but may vary slightly in visibility between microscopes. A microscope that fails to meet these requirements has either too low or too high a resolution to be used for asbestos, tremolite, anthophyllite, and actinolite.

    c. If the image deteriorates, clean and adjust the microscope optics. If the problem persists, consult the microscope manufacturer.

11. Each set of samples taken will include 10 percent field blanks or a minimum of 2 field blanks. These blanks must come from the same lot as the filters used for sample collection. The field blank results shall be averaged and subtracted from the analytical results before reporting. A set consists of any sample or group of samples for which an evaluation for this standard must be made. Any samples represented by a field blank having a fiber count in excess of the detection limit of the method being used shall be rejected.

12. The samples shall be mounted by the acetone/triacetin method or a method with an equivalent index of refraction and similar clarity.

13. Observe the following counting rules.

    a. Count only fibers equal to or longer than 5 micrometers. Measure the length of curved fibers along the curve.

    b. Count all particles as asbestos, tremolite, anthophyllite, and actinolite that have a length-to-width ratio (aspect ratio) of 3:1 or greater.

    c. Fibers lying entirely within the boundary of the Walton-Beckett graticule field shall receive a count of 1. Fibers crossing the boundary once, having one end within the circle, shall receive the count of one half (1/2). Do not count any fiber that crosses the graticule

boundary more than once. Reject and do not count any other fibers even though they may be visible outside the graticule area.

d. Count bundles of fibers as one fiber unless individual fibers can be identified by observing both ends of an individual fiber.

e. Count enough graticule fields to yield 100 fibers. Count a minimum of 20 fields; stop counting at 100 fields regardless of fiber count.

14. Blind recounts shall be conducted at the rate of 10 percent.

Quality Control Procedures

1. Intra-laboratory program. Each laboratory and/or each company with more than one microscopist counting slides shall establish a statistically designed quality assurance program involving blind recounts and comparisons between microscopists to monitor the variability of counting by each microscopist and between microscopists. In a company with more than one laboratory, the program shall include all laboratories and shall also evaluate the laboratory-to-laboratory variability.

2. a. Interlaboratory program. Each laboratory analyzing asbestos, tremolite, anthophyllite, and actinolite samples for compliance determination shall implement an interlaboratory quality assurance program that as a minimum includes participation of at least two other independent laboratories. Each laboratory shall participate in round robin testing at least once every 6 months with at least all the other laboratories in its interlaboratory quality assurance group. Each laboratory shall submit slides typical of its own work load for use in this program. The round robin shall be designed and results analyzed using appropriate statistical methodology.

b. All laboratories should participate in a national sample testing scheme such as the Proficiency Analytical Testing Program (PAT), the Asbestos Registry sponsored by the American Industrial Hygiene Association (AIHA).

3. All individuals performing asbestos, tremolite, anthophyllite, and actinolite analysis must have taken the NIOSH course for sampling and evaluating airborne asbestos, tremolite, anthophyllite, and actinolite dust or an equivalent course.

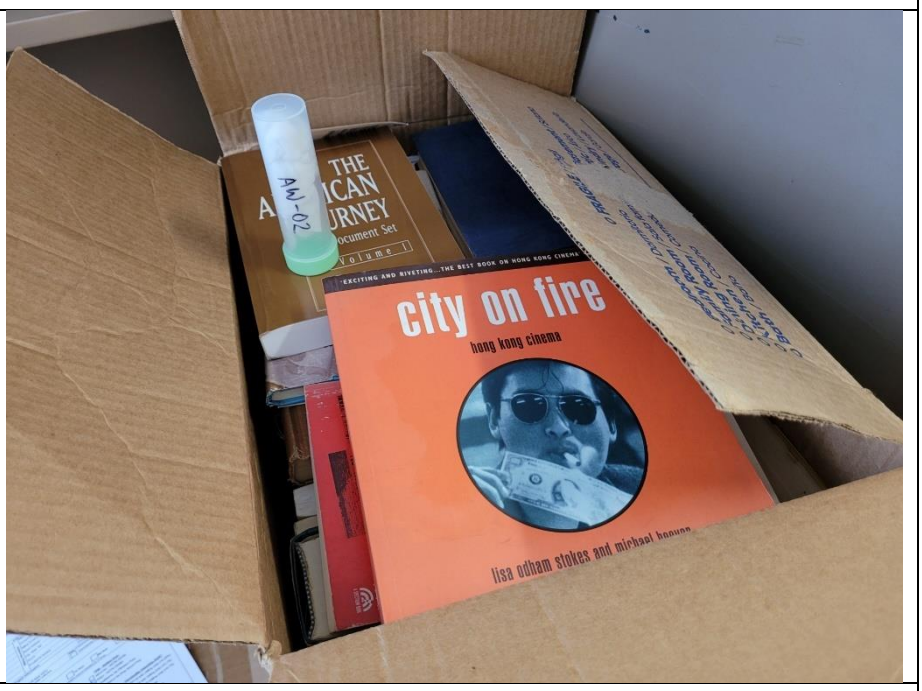
4. When the use of different microscopes contributes to differences between counters and laboratories, the effect of the different microscope shall be evaluated and the microscope shall be replaced, as necessary.

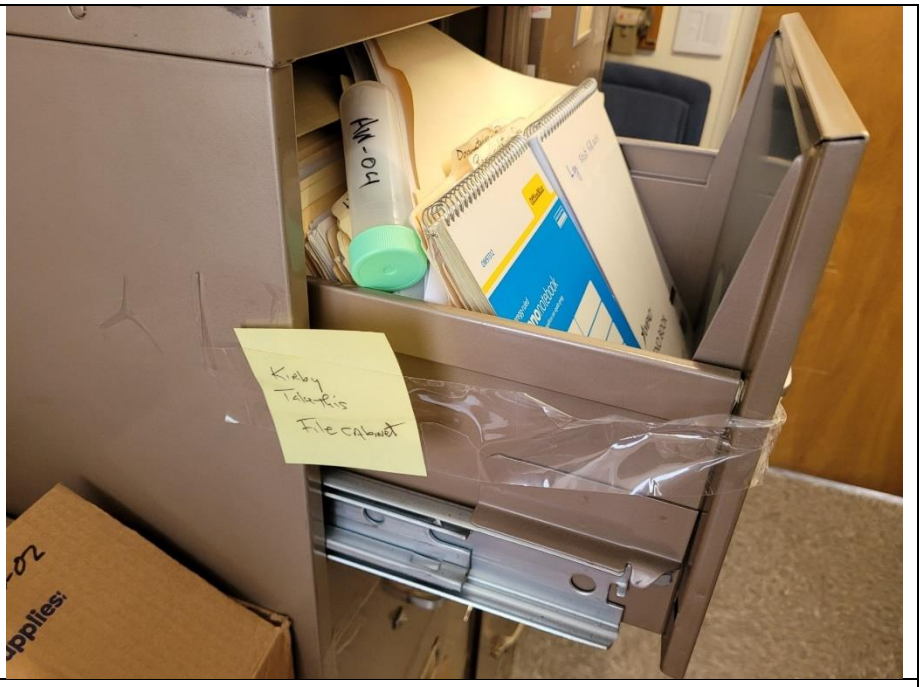
5. Current results of these quality assurance programs shall be posted in each laboratory to keep the microscopists informed.

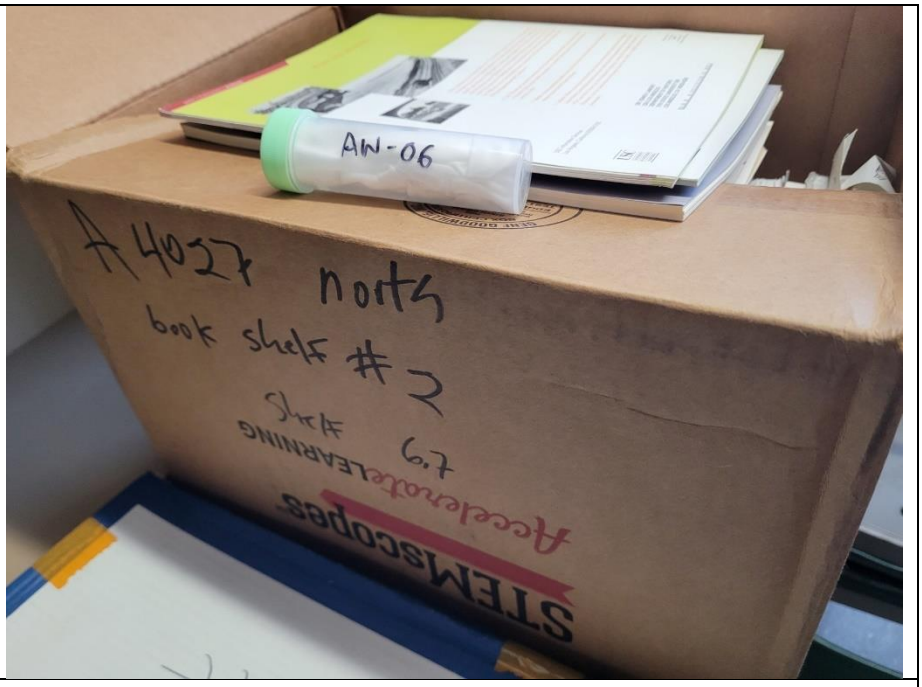
NOTE: Authority cited: Section 142.3, Labor Code. Reference: Section 142.3, Labor Code.

PHOTOGRAPHS

KH Rm A4027
August 30, 2024

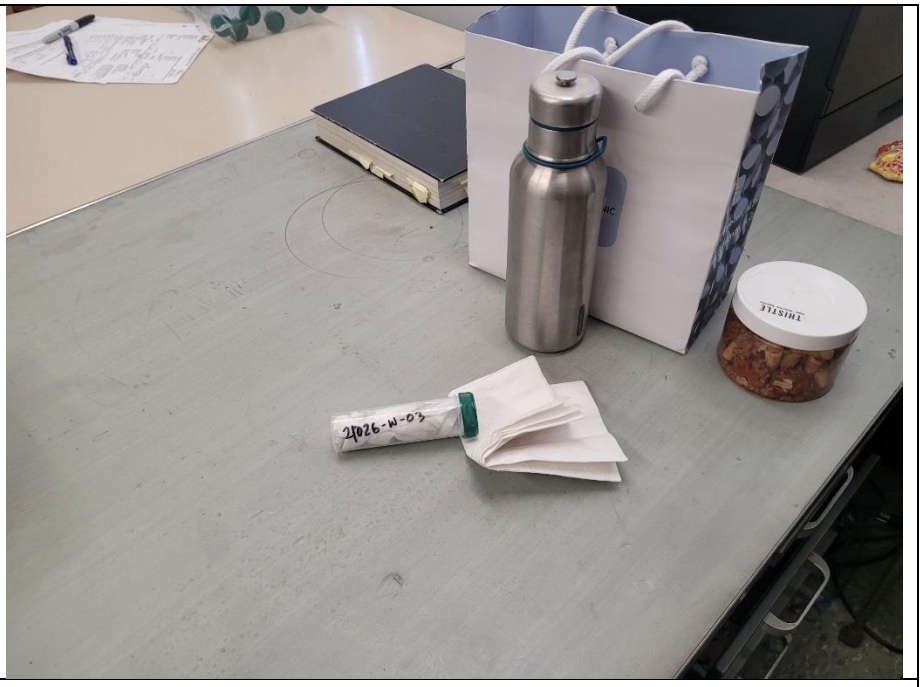
Picture #1 **AW-02 / Box #02 #05** **Concentration (str/cm²) <404**	
Picture #2 **AW-03 / Box #02 #08** **Asbestos Structures** **Concentration (str/cm²) <404**	

Picture #3 AW-04 / KT Cabinet – Top Drawer None- Detected	
Picture #4 **AW-05 / Typewriter Concentration (str/cm^2) <771**	

Picture #5 **AW-06 / Box #2 #6.7** **Concentration (str/cm^2)** **<771**	

KH Rm A4026
September 4, 2024

Picture #1 4026-W-01/ Book Shelf (S) Asbestos Structures = None detected	
Picture #2 **4026-W-02/Book Shelf (N)** **Concentration (str/cm^2)** **408**	

Picture #3 4026-W-03/ Desk Asbestos Structures = None Detected	
Picture #4 **4026-W-04/ Book Shelf NE** **Concentration (str/cm^2)** **<407**	

Picture #5 4026-W-05/ File Cabinet Asbestos Structures None Detected	
Picture #6 4026-W-06/ Printer Asbestos Structure = None Detected	

KH Rm A4028
September 4, 2024

Picture #1 4028-W-01 /Book Shelf (N) Asbestos Structures = None Detected	
Picture #2 4028-W-02/ Book Box (S) Asbestos Structures = None Detected	

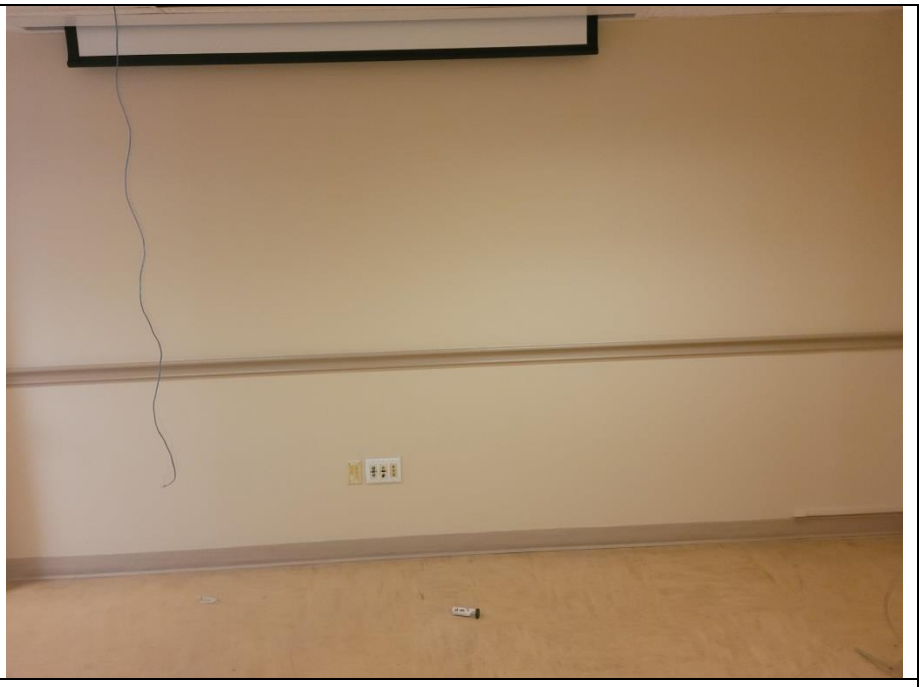
Picture #3 4028-W-03/ File Cabinet Asbestos Structures = None Detected	
Picture #4 4028-W-04 /Book Box (N4) Asbestos Structures = None Detected	

Picture #5 4028-W-05/ Couch Asbestos Structures = None Detected	
Picture #6 4028-W-06 / Printer Asbestos Structures = None Detected	

Administration Building Room 606B
September 4, 2024

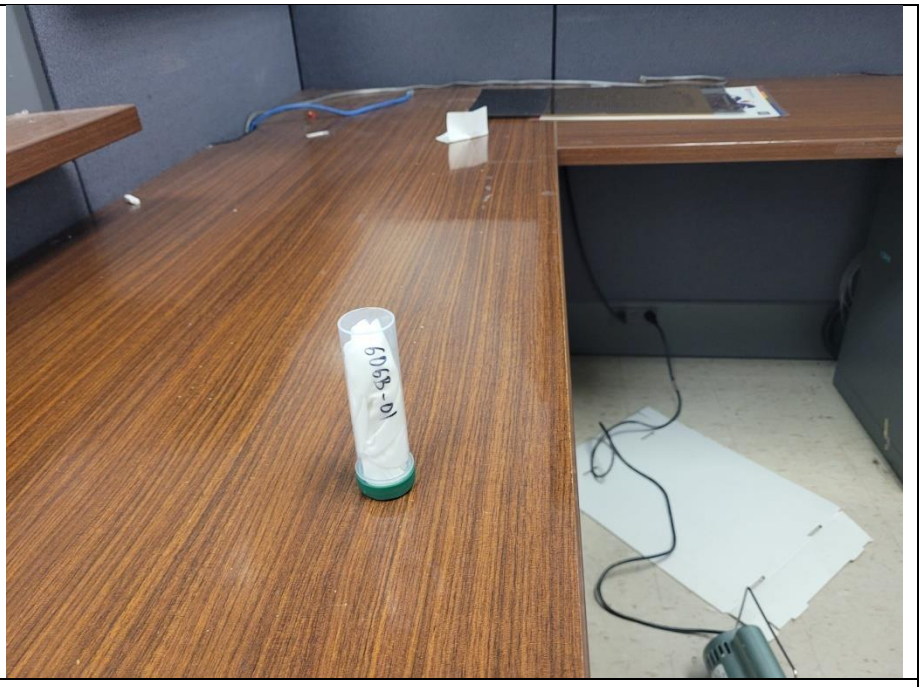
Picture #1 Room 606B Ambient Air Sample Below EPA Limits	
Picture #2 Hallway Ambient Air Sample Below EPA Limits	

Picture #3 **AB-606-1/ Chair Rail Concentration (str/cm^2) 1140**	
Picture #4 **AB-606-2 / Floor by Door Concentration (str/cm^2) 1090**	

Picture #5 **AB-606-3 / Floor by Floor Concentration (str/cm^2) 1460**	
Picture #6 **AB-606-4 / Hallway Floor Concentration (str/cm^2) 1090**	

Picture #7 **AB-606-5 /Cabinet at 606B** **Concentration (str/cm^2)** **1460**	
Picture #8 **AB-606-6/ Elevator Floor** **Concentration (str/cm^2)** **18200**	

Administration Building Room 606C
September 6, 2024

Picture #1 **606C-01 / Desk Concentration (str/cm^2) <777**	
Picture #2 606C-02 / Window Sill Asbestos Structures = None Detected	

Picture #3 **606C-03 / Floor (Main Door) Concentration (str/cm^2) <5440**	
Picture #4 **606C-04 / Cabinet Concentration (str/cm^2) <777**	

Picture #5 **606C-05 /Floor (Back Door) Concentration (str/cm^2) <1090**	
Picture #6 606C-06 / Magazine Shelf Asbestos Structures = <2.99	

Administration Building Room 609
September 6, 2024

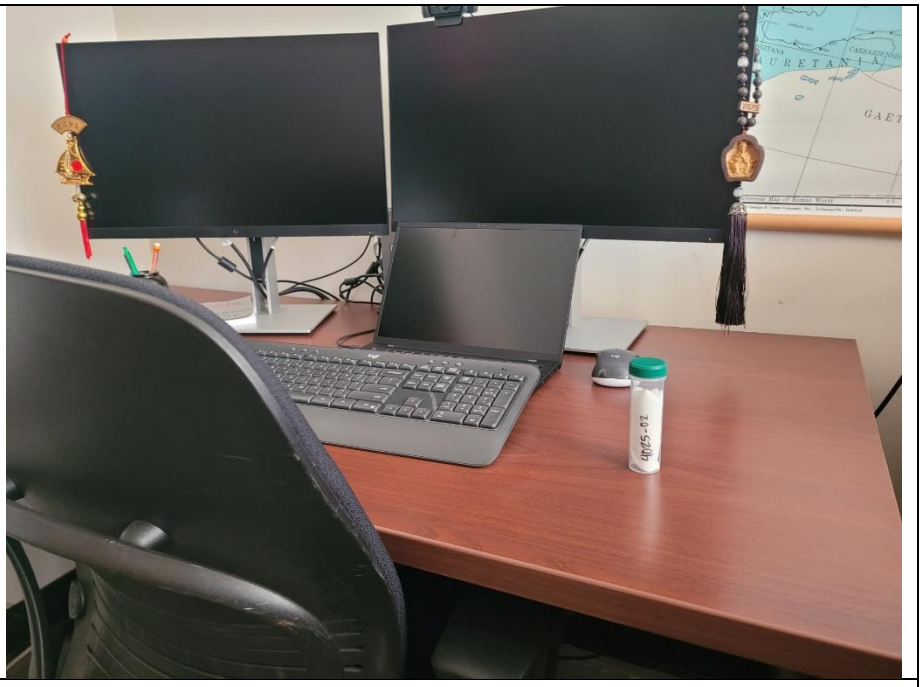
Picture #1 **609-01 / Desk Concentration (str/cm^2) <777**	
Picture #2 609-02/ Shelf Asbestos Structures = None Detected	

Picture #3 **609-03 / Window Sill Concentration (str/cm^2) 1300**	
Picture #4 **609-04 / Floor Concentration (str/cm^2) 63700**	

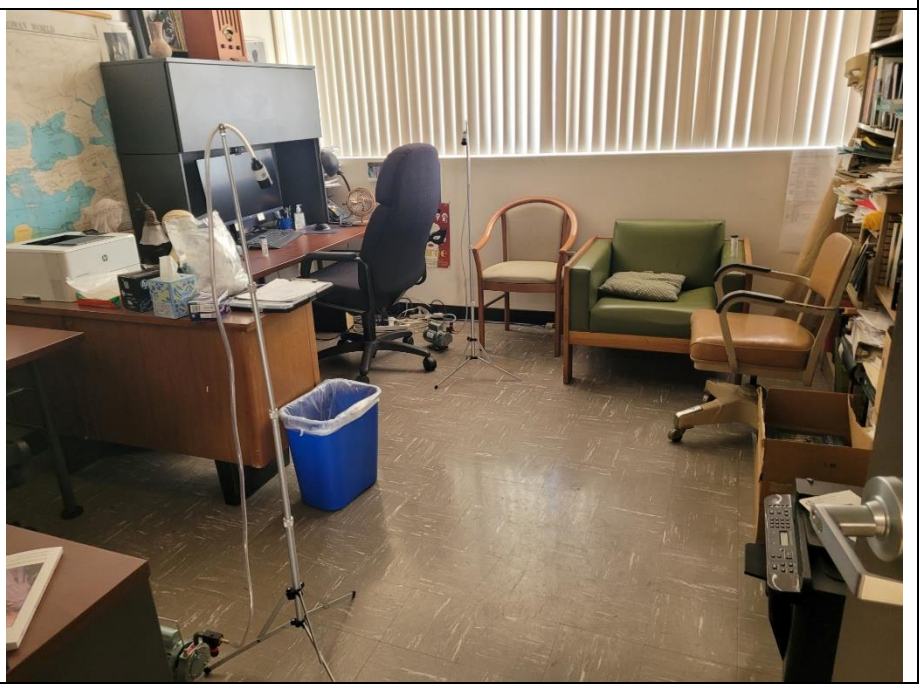
Picture #5 **609-05 / Desk** **Concentration** **(str/cm^2)** **<777**	
Picture #6 **609-06 / Floor** **Concentration** **(str/cm^2)** **1560**	

King Hall Building Room A4025
September 6, 2024

Picture #1 Ambient Air Sample Below EPA Limits	
Picture #2 **4025-01 / SE Shelf** **Concentration** **(str/cm^2)** **780**	

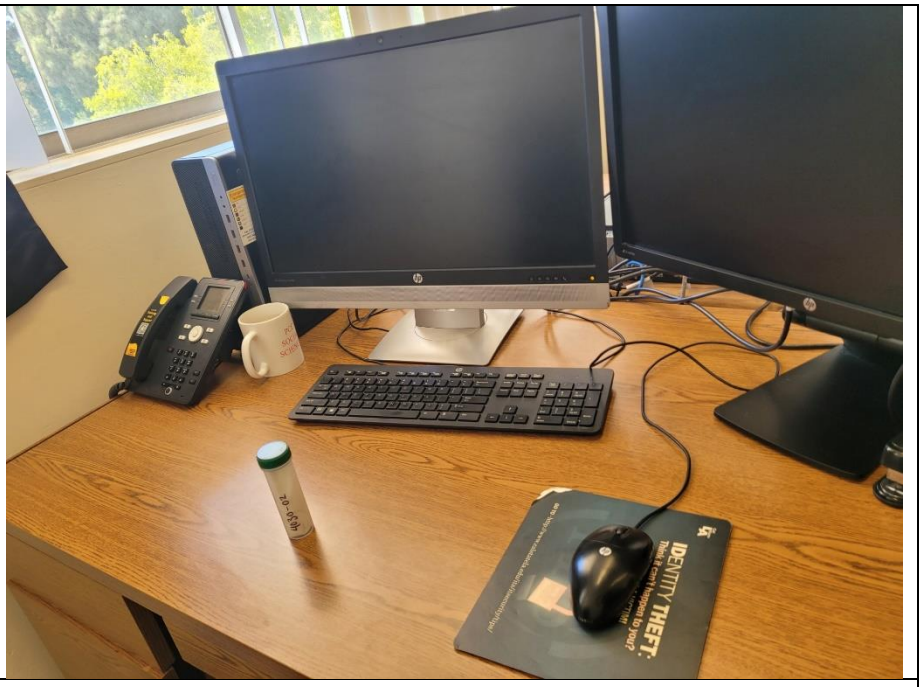
Picture #3 4025 – 02 / SW Desk Asbestos Structures = None Detected	
Picture #4 4025-03 / NW Desk Asbestos Structures = None Detected	

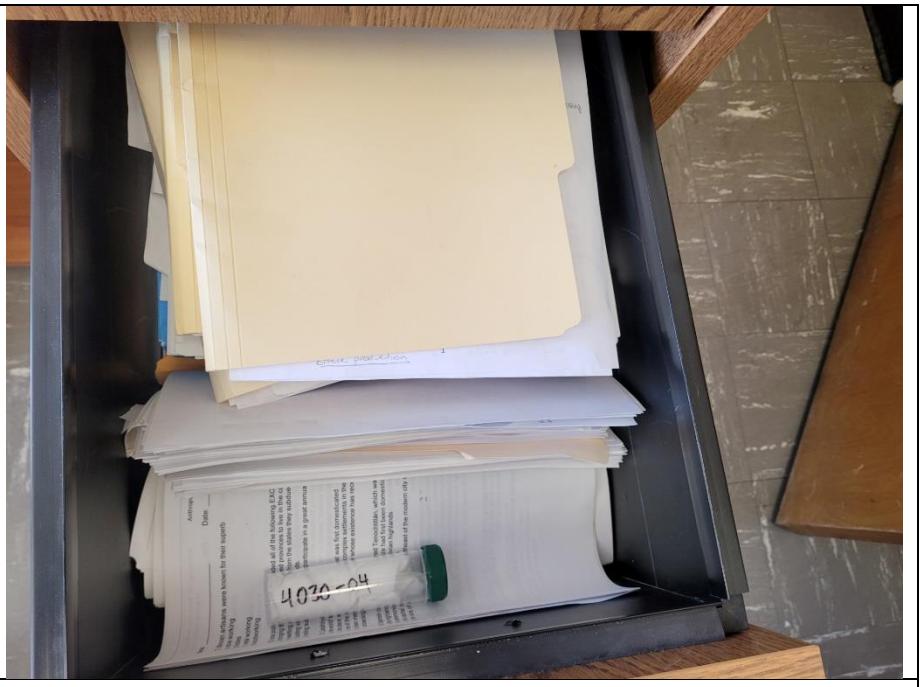
Picture #5 4025-04 / NE Shelf Asbestos Structures = None Detected	
Picture #6 **4025-05 / Chair** **Concentration (str/cm^2)** **<777**	

Picture #7 4025-06 / SW Printer Asbestos Structures = None Detected	
Picture #8 Ambient air Samples Below EPA Levels	

King Hall Building Room C4030
September 6, 2024

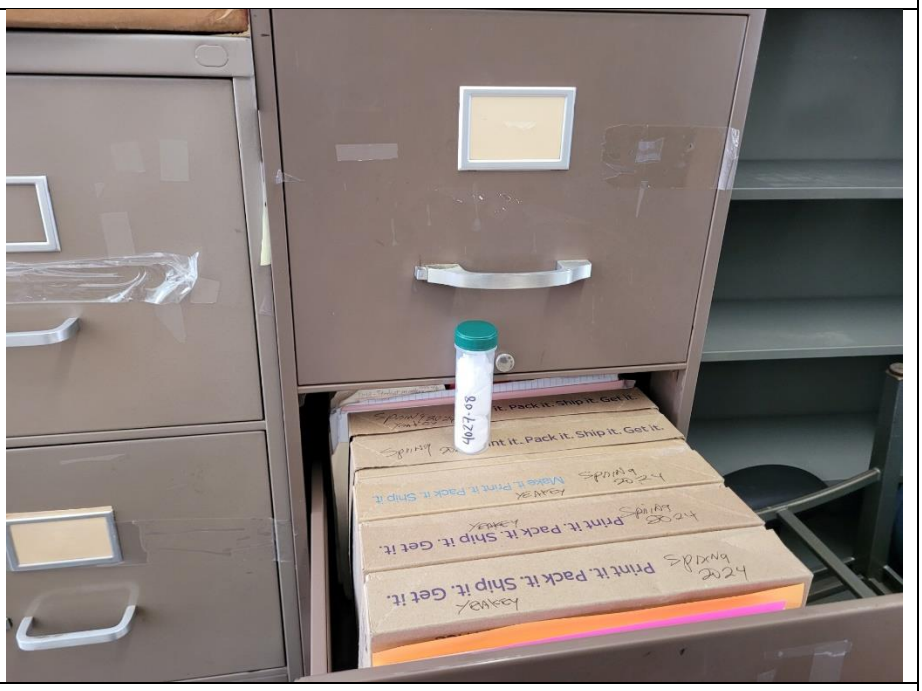
Picture #1 Ambient air Samples Below EPA Levels	
Picture #2 **4030-01/ NE Desk Concentration (str/cm^2) <407**	

Picture #3 4030-02 / NW Desk Asbestos Structures = None Detected	
Picture #4 4030-03 / S Shelf Asbestos Structures = None Detected	

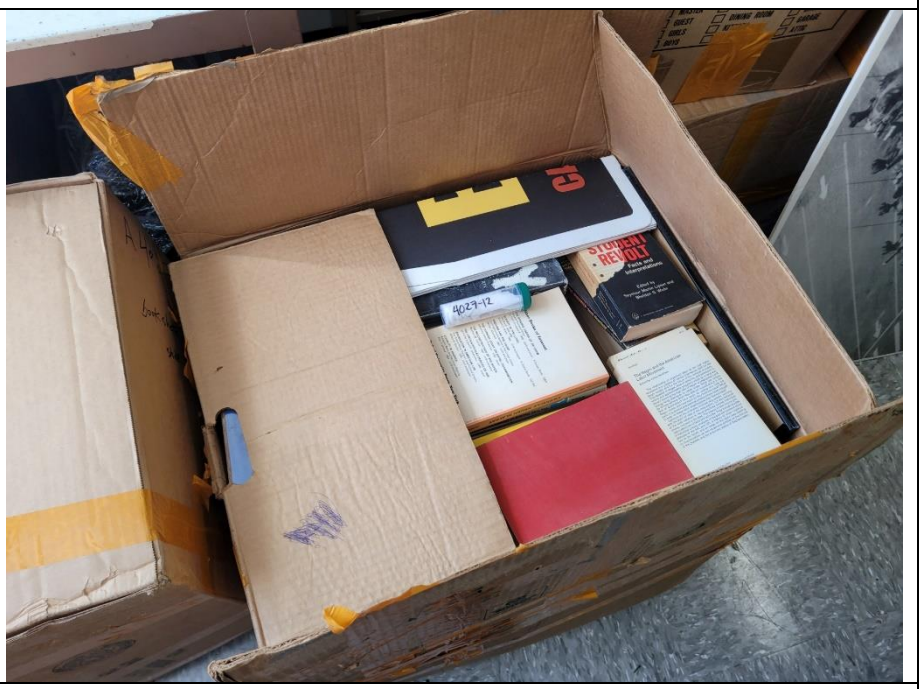
Picture #5 4030-04 / File Cabinet Asbestos Structures = None Detected	
Picture #6 4030-05 / Printer Asbestos Structures = None Detected	

Picture #7 4030-06 / SW Desk Asbestos Structures = None Detected	
Picture #8 Ambient air sample Below EPA Levels	

KH Rm A4027
September 6, 2024

Picture #1 **4027-07 / East Shelf Concentration (str/cm^2) 1820**	
Picture #2 4027-08 / File Cabinet Asbestos Structures = None Detected	

Picture #3 **4027-09 / South Shelf Concentration (str/cm^2) 780**	
Picture #4 4027-10 / Box Shelf 2 (N) Asbestos Structures = None Detected	

Picture # 5 **4027-11 / Box #2 Shelf 4 Concentration (str/cm^2) <407**	
Picture #6 **4027-12/ Box Shelf #3 (1,2,3) Concentration (str/cm^2) <777**	

LABORATORY RESULTS

AIR SAMPLES

LA Testing

520 Mission Street South Pasadena, CA 91030
Tel/Fax: (323) 254-9960 / (323) 254-9982
http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order: 322420149
Customer ID: 32TESV78
Customer PO: 74930
Project ID:

Attention: Israel Monsalvo
Terra Environmental Services
12631 Imperial Hwy
Suite A225
Santa Fe Springs, CA 90670

Phone: (562) 868-3777
Fax:
Received Date: 09/04/2024 04:05 PM
Analysis Date: 09/05/2024
Collected Date: 09/04/2024

Project: #74930 Cal State LA, King Hall - 5151 State University Dr, LA, CA 90032

Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method - A Rules, Revision 3, Issue 3, 6/14/2019

Sample	*Location*	*Sample Date*	*Volume (L)*	*Fibers*	*Fields*	*LOD (fib/cc)*	*Fibers/mm²*	*Fibers/cc*	*Notes*
4026-1	Room KH A4026	09/04/2024	1264	<5.5	100	0.0021	<7.01	<0.0021	
322420149-0001									
4026-2	Room KH A4026	09/04/2024	1264	<5.5	100	0.0021	<7.01	<0.0021	
322420149-0002									
4027-3	Room KH A4027	09/04/2024	1264	7	100	0.0021	8.92	0.0027	
322420149-0003									
4028-4	Room KH A4028	09/04/2024	1264	<5.5	100	0.0021	<7.01	<0.0021	
322420149-0004									
4028-5	Room KH A4028	09/04/2024	1264	<5.5	100	0.0021	<7.01	<0.0021	
322420149-0005									
KHA-06	Field Lab	09/04/2024		<5.5	100		<7.01		Field Blank
322420149-0006									
KHA-07	Blank	09/04/2024		<5.5	100		<7.01		Field Blank
322420149-0007									

The results reported have been blank corrected as applicable.

Analyst(s):
Joel Paruli PCM 7

Jerry Drapala Ph.D, Laboratory Manager
or other Approved Signatory

LA Testing maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by LA Testing. LA Testing bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. Limit of detection is 7 fibers/mm². Fiber counts outside the recommended fiber density range of the method (100-1300 f/mm²) have greater than optimal variability and are probably biased. Field blank results, when available, are used to blank correct results. NIOSH 7400 requires field blanks be submitted at a rate of 10%, with a minimum of 2 per set. Measurement of uncertainty available upon request. The results in this report meet all requirements of the NELAC standards unless otherwise noted. Intra-laboratory Sr values: 5-20 fibers = 0.26, 21-50 fibers = 0.19, 51-100 fibers = 0.12. Inter-laboratory Sr values (Average of EMSL round robin data) = 0.33.
Samples analyzed by LA Testing South Pasadena, CA AIHA LAP, LLC-IHLAP Accredited #102814

Initial report from: 09/05/2024 11:15 AM

#3224201 49

OrderID: 322420149

Client: Cal State LA — Project ~~Monitor~~: Area Background — Date of Analysis: _____

Project #: 74930 — Work Area: King HALL — Analyst: _____

Site Address: 5151 State University Dr LA CA 90032 — Collection Date: 09.04.24 — PCM NIOSH 7400 METHOD ✓ — TEM AHERA 40 CFR ____

ASBESTOS AIR MONITORING

TAT: 24 hrs

PASS _____ FAIL _____

SAMPLE ID NUMBER	SAMPLE TYPE	SAMPLE LOCATION	INITIAL FLOW RATE / FINAL FLOW RATE (LIT/MIN)	TIME ON / TIME OFF	TOTAL MINUTES (MIN)	TOTAL VOLUME (LIT)	FIBERS / FIELDS	LABORATORY RESULTS
4026-1	Area Background	Room KH A 4026	15.8 / 15.8	12:30 / 13:30	80	1.264		
4026-2	↓	↓	15.8 / 15.8	12:31 / 13:51	80	1.264		
4027-3		Room KH A 4027	15.8 / 15.8	12:32 / 13:52	80	1.264		
4028-4		Room KH A 4028	15.8 / 15.8	12:33 / 13:53	80	1.264		
4028-5	↓	↓	15.8 / 15.8	12:34 / 13:54	80	1.264		
KHA-06		FIELD LAB			30 sec			
KHA-07	↓	BLANK						

Sample type: AB) Area Background AR) Asbestos Removal GB) Glova Bag Procedures PA) Personal Air Sampling WL) Waste Load-Out

PB) Pre-Abatement FC) Final Clearance FD) Final Detail P) Perimeter B) Blank NE) Negative Exhoust

Relinquished By: Irene Usubaga — Date: 09.04.24 — Time: _____

Received By: Ray Garcia (RG) — Date: 9/4/24 — Time: 4:05 PM

TERRA ENVIRONMENTAL

12631 Imperial Hwy., Suite A225 Santa Fe Springs, CA 90670
www.terraeng.com

LA Testing

520 Mission Street South Pasadena, CA 91030
Tel/Fax: (323) 254-9960 / (323) 254-9982
http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order: 322420311
Customer ID: 32TESV78
Customer PO: 74930
Project ID:

Attention: Lab results
Terra Environmental Services
12631 Imperial Hwy
Suite A225
Santa Fe Springs, CA 90670
Project: 74930 / CSULA King Hall Room A4025 & C4030

Phone: (562) 868-3777
Fax:
Received Date: 09/06/2024 04:20 PM
Analysis Date: 09/09/2024
Collected Date: 09/06/2024

Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method - A Rules, Revision 3, Issue 3, 6/14/2019

Sample	*Location*	*Sample Date*	*Volume (L)*	*Fibers*	*Fields*	*LOD (fib/cc)*	*Fibers/mm²*	*Fibers/cc*	*Notes*
4025-1	Room A4025 - N	09/06/2024	1256.1	<5.5	100	0.0021	<7.01	<0.0021	
322420311-0001									
4025-2	Room A4025 - W	09/06/2024	1240.2	<5.5	100	0.0022	<7.01	<0.0022	
322420311-0002									
4025-3	Room A4030 - N	09/06/2024	1240.2	<5.5	100	0.0022	<7.01	<0.0022	
322420311-0003									
4025-4	Room A4030 - S	09/06/2024	1240.2	<5.5	100	0.0022	<7.01	<0.0022	
322420311-0004									
KH-5	FIELD	09/06/2024		<5.5	100		<7.01		Field Blank
322420311-0005									
KH-6	SEALED	09/06/2024		<5.5	100		<7.01		Field Blank
322420311-0006									

The results reported have been blank corrected as applicable.

Analyst(s):
Tania Lopez PCM 6

Jerry Drapala Ph.D, Laboratory Manager
or other Approved Signatory

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Samples analyzed by LA Testing South Pasadena, CA AIHA LAP, LLC-IHLAP Accredited #102814

Initial report from: 09/09/2024 10:03 AM

Client: CSULA Project Monitor: S. MONSALVO Date of Analysis: _____

Project #: 74930 Work Area: ROOM A4025 & C4030 Analyst: _____

Site Address: KING HALL Collection Date: 9.6.24 PCM NIOSH 7400 METHOD ✓ TEM AHERA 40 CFR____

ASBESTOS AIR MONITORING

TAT: 24 HRS #322420311 PASS_____ FAIL_____

SAMPLE ID NUMBER	SAMPLE TYPE	SAMPLE LOCATION	INITIAL FLOW RATE / FINAL FLOW RATE (LIT/MIN)	TIME ON / TIME OFF	TOTAL MINUTES (MIN)	TOTAL VOLUME (LIT)	FIBERS / FIELDS	LABORATORY RESULTS
4025-1	AB	ROOM A4025 - N	15.9 / 15.9	1413 / 1532	79	1256.1		
4025-2	AB	ROOM A4025 W	15.9 / 15.9	1416 / 1534	78	1240.2		
4030-3	AB	ROOM A4030 N	15.9 / 15.9	1420 / 1538	78	1240.2		
4030-4	AB	ROOM A4030 S	15.9 / 15.9	1421 / 1539	78	1240.2		
KH-5	B	FIELD			30 SEC			
KH6	B	SEALED						

Sample type: AB) Area Background AR) Asbestos Removal GB) Glova Bag Procedures PA) Personal Air Sampling WL) Waste Load-Out
PB) Pre-Abatement FC) Final Clearance FD) Final Detail P) Perimeter B) Blank NE) Negative Exhoust

Relinquished By: _____ Received By: Jhennifer Sotelo (AT)

Date: 9.6.24 Time: 1615 Date: 9/6/24 Time: 9:20

TERRA ENVIRONMENTAL

12631 Imperial Hwy., Suite A225 Santa Fe Springs, CA 90670
www.terraeng.com

OrderID: 322420311

LA Testing

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Tel/Fax: (323) 254-9960 / (323) 254-9982
http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order: 322420315
Customer ID: 32TESV78
Customer PO: 74930
Project ID:

Attention: Lab results
Terra Environmental Services
12631 Imperial Hwy
Suite A225
Santa Fe Springs, CA 90670

Phone: (562) 868-3777
Fax:
Received Date: 09/06/2024 04:20 PM
Analysis Date: 09/09/2024
Collected Date: 09/06/2024

Project: 74930 / 5151 State University Dr. Los Angeles, CA 90032

Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method - A Rules, Revision 3, Issue 3, 6/14/2019

Sample	*Location*	*Sample Date*	*Volume (L)*	*Fibers*	*Fields*	*LOD (fib/cc)*	*Fibers/mm²*	*Fibers/cc*	*Notes*
606A-01	Rm 606A -	09/06/2024	1272	<5.5	100	0.0021	<7.01	<0.0021	
322420315-0001									
606A-02	Rm 606A -	09/06/2024	1272	<5.5	100	0.0021	<7.01	<0.0021	
322420315-0002									
609-01	Rm 609 -	09/06/2024	1272	<5.5	100	0.0021	<7.01	<0.0021	
322420315-0003									
609-02	Rm 609 -	09/06/2024	1272	<5.5	100	0.0021	<7.01	<0.0021	
322420315-0004									
606H-01	Rm 606 - Hallway	09/06/2024	1272	<5.5	100	0.0021	<7.01	<0.0021	
322420315-0005									
606-06	Filled blank	09/06/2024		<5.5	100		<7.01		Field Blank
322420315-0006									
606-07	Sealed blank	09/06/2024		<5.5	100		<7.01		Field Blank
322420315-0007									

The results reported have been blank corrected as applicable.

Analyst(s):
Tania Lopez PCM 7

Jerry Drapala Ph.D, Laboratory Manager
or other Approved Signatory

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Samples analyzed by LA Testing South Pasadena, CA AIHA LAP, LLC-IHLAP Accredited #102814

Initial report from: 09/09/2024 02:35 PM

Client: CSULA Project Monitor: Israel Monsalvo Date of Analysis: _____

Project #: 74930 Work Area: _____ Analyst: _____

Site Address: 5151 State University Dr. Collection Date: 09/06/2024 PCM NIOSH 7400 METHOD ✓ TEM AHERA 40 CFR ____

Los Angeles, CA 90032

ASBESTOS AIR MONITORING

TAT: 24 HRS #322420315 PASS_____ FAIL_____

SAMPLE ID NUMBER	SAMPLE TYPE	SAMPLE LOCATION	INITIAL FLOW RATE / FINAL FLOW RATE (LIT/MIN)	TIME ON / TIME OFF	TOTAL MINUTES (MIN)	TOTAL VOLUME (LIT)	FIBERS / FIELDS	LABORATORY RESULTS
606A-01	AB	Rm 606A -	15.9 L/min 15.9 L/min	12:05 13:25	80 min	1,272 L		
606A-02	AB	Rm 606A -	15.9 L/min 15.9 L/min	12:06 13:26	80 min	1,272 L		
609-01	AB	Rm 609 -	15.9 L/min 15.9 L/min	12:08 13:28	80 min	1,272 L		
609-02	AB	Rm 609 -	15.9 L/min 15.9 L/min	12:10 13:30	80 min	1,272 L		
606H-01	AB	Rm 606 - Hallway	15.9 L/min 15.9 L/min	12:13 13:33	80 min	1,272 L		
606-06	Filled blank				30s			
606-07	Sealed blank							

Sample type: AB) Area Background AR) Asbestos Removal GB) Glova Bag Procedures PA) Personal Air Sampling WL) Waste Load-Out

PB) Pre-Abatement FC) Final Clearance FD) Final Detail P) Perimeter B) Blank NE) Negative Exhoust

Relinquished By: _____ Received By: Jhennifer Sotelo (WI)

Date: 9.26.24 Time: 1616 Date: 9/6/24 Time: 4:20

TERRA ENVIRONMENTAL

OrderID: 322420315

LA Testing

520 Mission Street South Pasadena, CA 91030
Tel/Fax: (323) 254-9960 / (323) 254-9982
http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order: 322420150
Customer ID: 32TESV78
Customer PO: 74930
Project ID:

Attention: Israel Monsalvo
Terra Environmental Services
12631 Imperial Hwy
Suite A225
Santa Fe Springs, CA 90670

Phone: (562) 868-3777
Fax:
Received Date: 09/04/2024 04:05 PM
Analysis Date: 09/05/2024
Collected Date: 09/04/2024

Project: #74930 Cal State LA, Administration Bld. - 5151 State University

Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method - A Rules, Revision 3, Issue 3, 6/14/2019

Sample	*Location*	*Sample Date*	*Volume (L)*	*Fibers*	*Fields*	*LOD (fib/cc)*	*Fibers/mm²*	*Fibers/cc*	*Notes*
AB606-1	Room 606 West	09/04/2024	1264	<5.5	100	0.0021	<7.01	<0.0021	
322420150-0001									
AB606-2	Room 606 East	09/04/2024	1264	<5.5	100	0.0021	<7.01	<0.0021	
322420150-0002									
AB-H3	Hallway	09/04/2024	1264	<5.5	100	0.0021	<7.01	<0.0021	
322420150-0003									
AB-B-4	Field Lab	09/04/2024		<5.5	100		<7.01		Field Blank
322420150-0004									
AB-B-5	Blank	09/04/2024		<5.5	100		<7.01		Field Blank
322420150-0005									

The results reported have been blank corrected as applicable.

Analyst(s):
Joel Paruli PCM 5

Jerry Drapala Ph.D, Laboratory Manager
or other Approved Signatory

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Samples analyzed by LA Testing South Pasadena, CA AIHA LAP, LLC-IHLAP Accredited #102814

Initial report from: 09/05/2024 11:35 AM

#322420150

Client: Cal State LA Project Monitor: Area Background Date of Analysis: _____

Project #: 74930 Work Area: Administration Bld Analyst: _____

Site Address: 5151 State University Collection Date: 09.04.24 PCM NIOSH 7400 METHOD ✓ TEM AHERA 40 CFR____

ASBESTOS AIR MONITORING

TAT: 24 hrs

PASS_____ FAIL_____

SAMPLE ID NUMBER	SAMPLE TYPE	SAMPLE LOCATION	INITIAL FLOW RATE / FINAL FLOW RATE (LIT/MIN)	TIME ON / TIME OFF	TOTAL MINUTES (MIN)	TOTAL VOLUME (LIT)	FIBERS / FIELDS	LABORATORY RESULTS
AB606-1	Area Background	Room 606 west	15.8 / 15.8	2:25 / 3:45	80	1.264		
AB606-2		East	15.8 / 15.8	2:26 / 3:46	80	1.264		
AB-H3		HALLWAY	15.8 / 15.8	2:27 / 3:47	80	1.264		
AB-B4		FIELD LAB			30sec			
AB-B5		BLANK						

Sample type: AB) Area Background AR) Asbestos Removal GB) Glova Bag Procedures PA) Personal Air Sampling WL) Waste Load-Out

PB) Pre-Abatement FC) Final Clearance FD) Final Detail P) Perimeter B) Blank NE) Negative Exhoust

Relinquished By: Ozzie Ybarra Received By: Rey Garcia (WI)

Date: 09.04.24 Time:_____ Date: 9/4/24 Time: 4:05PM

TERRA ENVIRONMENTAL

12631 Imperial Hwy., Suite A225 Santa Fe Springs, CA 90670
www.terraeng.com

OrderID: 322420150

LABORATORY RESULTS

SETTLED DUST WIPE SAMPLES

LA Testing

520 Mission Street South Pasadena, CA 91030
Phone/Fax: (323) 254-9960 / (323) 254-9982
http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order:	322419896
Customer ID:	32TESV78
Customer PO:	74918
Project ID:	

Attention:	Israel Monsalvo Terra Environmental Services 12631 Imperial Hwy Suite A225 Santa Fe Springs, CA 90670	**Phone:**	(562) 868-3777
		Fax:	
		Received Date:	08/30/2024 11:10 AM
		Analysis Date:	09/03/2024
		Collected Date:	08/30/2024
Project:	CSULA King Hall Rm A4027		

Test Report: Asbestos Analysis of Dust Samples Using Method ASTM 6480

Sample ID	Area Sampled (cm^2)	Asbestos Type	Asbestos Structures	Sensitivity (str/cm^2)	Concentration (str/cm^2)	Comments
AW-01 322419896-0001	929	Chrysotile	<2.99	135	<404	
AW-02 322419896-0002	929	Chrysotile	<2.99	135	<404	
AW-03 322419896-0003	929	Chrysotile	<2.99	135	<404	
AW-04 322419896-0004	929	None Detected	<2.99	135	<404	
AW-05 322419896-0005	929	Chrysotile	<2.99	258	<771	
AW-06 322419896-0006	929	Chrysotile	<2.99	258	<771	

Analyst(s):

Julie Vong (6)

Jerry Drapala Ph.D, Laboratory Manager
or other approved signatory

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Samples analyzed by LA Testing South Pasadena, CA

Initial report from: 09/03/2024 17:51:24

OrderID: 322419896

Asbestos Chain of Custody (Air, Bulk, Soil)

LA Testing Order Number / Lab Use Only

#322419896

LA Testing
520 Mission Street
South Pasadena, CA 91030

PHONE: 800-303-0047
EMAIL: pasadenalab@latesting.com

If Bill-To is the same as Report-To leave this section blank. Third-party billing requires written authorization.

Customer Information		Billing Information	
Customer ID:		Billing ID:	
Company Name:	TERRA ENV	Company Name:	
Contact Name:	I. MONSALVO	Billing Contact:	
Street Address:	12631 IMPERIAL HWY	Street Address:	
City, State, Zip:	SANTA FE SPRINGS CA	Country:	City, State, Zip: / Country:
Phone:	562 868 3777	Phone:	
Email(s) for Report:	israel@terraeng.com	Email(s) for Invoice:	

Project Information

Project Name/No: CSULA KING HALL RM A2027 — Purchase Order: 74918

LAT LIMS Project ID: (If applicable, LA Testing will provide) — US State where samples collected: — State of Connecticut (CT) must select project location: ☐ Commercial (Taxable) ☐ Residential (Non-Taxable)

Sampled By Name: ISRAEL MONSALVO — Sampled By Signature: — No. of Samples in Shipment:

Turn-Around-Time (TAT)

☐ 3 Hour ☐ 4-4.5 Hour AHERA ONLY ☐ 6 Hour ☐ 24 Hour ☐ 32 Hour ☑ 48 Hour ☐ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week

TEM Air 3-6 Hour, please call ahead to schedule. 32 Hour TAT available for select tests only; samples must be submitted by 11:30 am.

Test Selection

PCM Air
- ☐ NIOSH 7400
- ☐ NIOSH 7400 w/ 8hr. TWA

PLM - Bulk (reporting limit)
- ☐ PLM EPA 600/R-93/116 (<1%)
- ☐ PLM EPA NOB (<1%)
- ☐ POINT COUNT — ☐ 400 (<0.25%) ☐ 1,000 (<0.1%)
- POINT COUNT w/ GRAVIMETRIC — ☐ 400 (<0.25%) ☐ 1,000 (<0.1%)
- ☐ NIOSH 9002 (<1%)
- ☐ NYS 198.1 (Friable - NY)
- ☐ NYS 198.6 NOB (Non-Friable - NY)
- ☐ NYS 198.8 (Vermiculite SM-V)

TEM - Air
- ☐ AHERA 40 CFR, Part 763
- ☐ NIOSH 7402
- ☐ EPA Level II
- ☐ ISO 10312*

TEM - Bulk
- ☐ TEM EPA NOB
- ☐ NYS NOB 198.4 (Non-Friable-NY)
- ☐ TEM EPA 600/R-93/116 w Milling Prep (0.1%)

Other Test (please specify)

TEM - Settled Dust
- ☐ Microvac - ASTM D5755
- ☑ Wipe - ASTM D6480
- ☐ Qualitative via Filtration Prep
- ☐ Qualitative via Drop Mount Prep

Soil - Rock - Vermiculite (reporting limit)*
- ☐ PLM EPA 600/R-93/116 with milling prep (<0.25%)
- ☐ PLM EPA 600/R-93/116 with milling prep (<0.1%)
- ☐ TEM EPA 600/R-93/116 with milling prep (<0.1%)
- ☐ TEM Qualitative via Filtration Prep
- ☐ TEM Qualitative via Drop Mount Prep

*Please call with your project-specific requirements.

☐ Positive Stop - Clearly Identified Homogeneous Areas (HA) — Filter Pore Size (Air Samples) ☐ 0.8um ☐ 0.45um

Sample Number	Sample Location / Description	Volume, Area or Homogeneous Area	Date / Time Sampled (Air Monitoring Only)
AW-01	RM A4027 - BOOK SHELF-C2	1 ea	8-30-24 1024
AW-02	BOX #02 #05	1 ea	1026
AW-03	BOX #2 #03	1 ea	1028
AW-04	KT CABINET - TOP DRAW	1 ea	1031
AW-05	TYPEWRITTER	1 ea	1034
AW-06	BOX #2 #6-7	1 ea	1037

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

Method of Shipment:

Sample Condition Upon Receipt:

Relinquished by:	Date/Time:	Received by:	Date/Time
[signature]	08.30.24 1115	Ochieka Winslow (WI)	8/30/24 11:10am
[signature]	8/30/24		

Controlled Document - COC-05 LAT Asbestos R7 04/23/2021

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LA Testing

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http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order:	322420317
Customer ID:	32TESV78
Customer PO:	74930
Project ID:	

Attention:	Israel Monsalvo Terra Environmental Services 12631 Imperial Hwy Suite A225 Santa Fe Springs, CA 90670	**Phone:**	(562) 868-3777
		Fax:	
		Received Date:	09/06/2024 4:20 PM
		Analysis Date:	09/09/2024
		Collected Date:	09/06/2024
Project:	CSULA KH Room A4025		

Test Report: Asbestos Analysis of Dust Samples Using Method ASTM 6480

Sample ID	Area Sampled (cm^2)	Asbestos Type	Asbestos Structures	Sensitivity (str/cm^2)	Concentration (str/cm^2)	Comments
4025-01 322420317-0001	929	Chrysotile	3	260	780	
4025-02 322420317-0002	929	None Detected	<2.99	260	<777	
4025-03 322420317-0003	929	None Detected	<2.99	260	<777	
4025-04 322420317-0004	929	None Detected	<2.99	260	<777	
4025-05 322420317-0005	929	Chrysotile	<2.99	260	<777	
4025-06 322420317-0006	929	None Detected	<2.99	136	<407	

Analyst(s):

Lishuang Zheng (6)

Jerry Drapala Ph.D, Laboratory Manager
or other approved signatory

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Samples analyzed by LA Testing South Pasadena, CA

Report amended: 09/12/2024 15:36:54 Replaces amended report from: 09/12/2024 15:29:07 Reason Code: Client-Other (see report comment)

OrderID: 322420317

OrderID: 322420317

Asbestos Chain of Custody (Air, Bulk, Soil)

LA Testing Order Number / Lab Use Only

#322420317

LA Testing
520 Mission Street
South Pasadena, CA 91030

PHONE: 800-303-0047
EMAIL: pasadenalab@latesting.com

If Bill-To is the same as Report-To leave this section blank. Third-party billing requires written authorization.

Customer Information

Customer ID:	
Company Name:	TERRA ENVIRONMENTAL
Contact Name:	ISRAEL MONSALVO
Street Address:	12631 IMPERIAL HWY
City, State, Zip:	SANTA FE SPRINGS CA Country:
Phone:	562 868 3777
Email(s) for Report:	israel@terraeng.com

Billing Information

Billing ID:	
Company Name:	
Billing Contact:	
Street Address:	
City, State, Zip:	Country:
Phone:	
Email(s) for Invoice:	

Project Information

Project Name/No: CSULA KH ROOM A4025 — Purchase Order: 74930

LAT LIMS Project ID: (If applicable, LA Testing will provide) — US State where samples collected: — State of Connecticut (CT) must select project location: ☐ Commercial (Taxable) ☐ Residential (Non-Taxable)

Sampled By Name: ISRAEL MONSALVO — Sampled By Signature: — No. of Samples in Shipment:

Turn-Around-Time (TAT)

☐ 3 Hour ☐ 4-4.5 Hour AHERA ONLY ☐ 6 Hour ☒ 24 Hour ☐ 32 Hour ☐ 48 Hour ☐ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week

TEM Air 3-6 Hour, please call ahead to schedule. 32 Hour TAT available for select tests only; samples must be submitted by 11:30 am.

Test Selection

PCM Air
- ☐ NIOSH 7400
- ☐ NIOSH 7400 w/ 8hr. TWA

PLM - Bulk (reporting limit)
- ☐ PLM EPA 600/R-93/116 (<1%)
- ☐ PLM EPA NOB (<1%)
- ☐ POINT COUNT
  - ☐ 400 (<0.25%) ☐ 1,000 (<0.1%)
- POINT COUNT w/ GRAVIMETRIC
  - ☐ 400 (<0.25%) ☐ 1,000 (<0.1%)
- ☐ NIOSH 9002 (<1%)
- ☐ NYS 198.1 (Friable - NY)
- ☐ NYS 198.6 NOB (Non-Friable - NY)
- ☐ NYS 198.8 (Vermiculite SM-V)

TEM - Air
- ☐ AHERA 40 CFR, Part 763
- ☐ NIOSH 7402
- ☐ EPA Level II
- ☐ ISO 10312*

TEM - Bulk
- ☐ TEM EPA NOB
- ☐ NYS NOB 198.4 (Non-Friable-NY)
- ☐ TEM EPA 600/R-93/116 w Milling Prep (0.1%)

Other Test (please specify)

TEM - Settled Dust
- ☐ Microvac - ASTM D5755
- ☑ Wipe - ASTM D6480
- ☐ Qualitative via Filtration Prep
- ☐ Qualitative via Drop Mount Prep

Soil - Rock - Vermiculite (reporting limit)*
- ☐ PLM EPA 600/R-93/116 with milling prep (<0.25%)
- ☐ PLM EPA 600/R-93/116 with milling prep (<0.1%)
- ☐ TEM EPA 600/R-93/116 with milling prep (<0.1%)
- ☐ TEM Qualitative via Filtration Prep
- ☐ TEM Qualitative via Drop Mount Prep

*Please call with your project-specific requirements.

☐ Positive Stop - Clearly Identified Homogeneous Areas (HA) — Filter Pore Size (Air Samples) ☐ 0.8um ☐ 0.45um

Sample Number	Sample Location / Description	Volume, Area or Homogeneous Area	Date / Time Sampled (Air Monitoring Only)
4025-01	RM KH A4025 - SE SHELF	1 ea	9-6-24
4025-02	- SE DESK	1 ea	
4025-03	- NW DESK	1 ea	
4025-04	- NE SHELF	1 ea	
4025-05	- CHAIR	1 ea	
4025-06	- SW PRINTER	1 ea	

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

Method of Shipment:		Sample Condition Upon Receipt:	
Relinquished by:	Date/Time: 9-6-24	Received by: Jennifer Sotelo	Date/Time 9/6/24 4:20
Relinquished by:	Date/Time:	Received by:	Date/Time

Controlled Document - COC-05 LAT Asbestos R7 04/23/2021

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Page 1 Of 1

LA Testing

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http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order:	322420139
Customer ID:	32TESV78
Customer PO:	74930
Project ID:	

Attention:	Israel Monsalvo Terra Environmental Services 12631 Imperial Hwy Suite A225 Santa Fe Springs, CA 90670	**Phone:**	(562) 868-3777
		Fax:	
		Received Date:	09/04/2024 4:05 PM
		Analysis Date:	09/05/2024
		Collected Date:	09/04/2024
Project:	CSULA- Kina Hall Rm A4026		

Test Report: Asbestos Analysis of Dust Samples Using Method ASTM 6480

Sample ID	Area Sampled (cm²)	Asbestos Type	Asbestos Structures	Sensitivity (str/cm²)	Concentration (str/cm²)	Comments
4026-W-01 322420139-0001	929	None Detected	<2.99	136	<407	
4026-W-02 322420139-0002	929	Chrysotile	3	136	408	
4026-W-03 322420139-0003	929	None Detected	<2.99	260	<777	
4026-W-04 322420139-0004	929	Chrysotile	<2.99	136	<407	
4026-W-05 322420139-0005	929	None Detected	<2.99	136	<407	
4026-W-06 322420139-0006	929	None Detected	<2.99	136	<407	

Analyst(s):

Julie Vong (6)

Jerry Drapala Ph.D, Laboratory Manager
or other approved signatory

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Samples analyzed by LA Testing South Pasadena, CA

Initial report from: 09/05/2024 18:00:10

OrderID: 322420139

Asbestos Chain of Custody (Air, Bulk, Soil)

LA Testing Order Number / Lab Use Only

#322420139

LA Testing
520 Mission Street
South Pasadena, CA 91030

PHONE: 800-303-0047
EMAIL: pasadenalab@latesting.com

If Bill-To is the same as Report-To leave this section blank. Third-party billing requires written authorization.

Customer Information

Customer ID:	
Company Name:	TERRA ENVIRONMENTAL
Contact Name:	ISRAEL MONSALVO
Street Address:	12631 IMPERIAL HWY # A225
City, State, Zip:	SANTA FE SPRINGS CA
Country:	
Phone:	(562) 868-3777
Email(s) for Report:	israel@terraenv.com

Billing Information

Billing ID:	
Company Name:	
Billing Contact:	
Street Address:	
City, State, Zip:	
Country:	
Phone:	
Email(s) for Invoice:	

Project Information

Project Name/No:	CSULA - KINA HALL RM A4026
Purchase Order:	74930
LAT LIMS Project ID: (If applicable, LA Testing will provide)	
US State where samples collected:	
State of Connecticut (CT) must select project location:	☐ Commercial (Taxable) ☐ Residential (Non-Taxable)
Sampled By Name:	ISRAEL MONSALVO
Sampled By Signature:	
No. of Samples in Shipment	

Turn-Around-Time (TAT)

☐ 3 Hour ☐ 4-4.5 Hour AHERA ONLY ☐ 6 Hour ☑ 24 Hour ☐ 32 Hour ☐ 48 Hour ☐ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week

TEM Air 3-6 Hour, please call ahead to schedule. 32 Hour TAT available for select tests only; samples must be submitted by 11:30 am.

Test Selection

PCM Air
- ☐ NIOSH 7400
- ☐ NIOSH 7400 w/ 8hr. TWA

PLM - Bulk (reporting limit)
- ☐ PLM EPA 600/R-93/116 (<1%)
- ☐ PLM EPA NOB (<1%)
- ☐ POINT COUNT
  - ☐ 400 (<0.25%) ☐ 1,000 (<0.1%)
- POINT COUNT w/ GRAVIMETRIC
  - ☐ 400 (<0.25%) ☐ 1,000 (<0.1%)
- ☐ NIOSH 9002 (<1%)
- ☐ NYS 198.1 (Friable - NY)
- ☐ NYS 198.6 NOB (Non-Friable - NY)
- ☐ NYS 198.8 (Vermiculite SM-V)

TEM - Air
- ☐ AHERA 40 CFR, Part 763
- ☐ NIOSH 7402
- ☐ EPA Level II
- ☐ ISO 10312*

TEM - Bulk
- ☐ TEM EPA NOB
- ☐ NYS NOB 198.4 (Non-Friable-NY)
- ☐ TEM EPA 600/R-93/116 w Milling Prep (0.1%)

Other Test (please specify)

TEM - Settled Dust
- ☐ Microvac - ASTM D5755
- ☑ Wipe - ASTM D6480
- ☐ Qualitative via Filtration Prep
- ☐ Qualitative via Drop Mount Prep

Soil - Rock - Vermiculite (reporting limit)*
- ☐ PLM EPA 600/R-93/116 with milling prep (<0.25%)
- ☐ PLM EPA 600/R-93/116 with milling prep (<0.1%)
- ☐ TEM EPA 600/R-93/116 with milling prep (<0.1%)
- ☐ TEM Qualitative via Filtration Prep
- ☐ TEM Qualitative via Drop Mount Prep

*Please call with your project-specific requirements.

☐ Positive Stop - Clearly Identified Homogeneous Areas (HA) | Filter Pore Size (Air Samples) ☐ 0.8um ☐ 0.45um

Sample Number	Sample Location / Description	Volume, Area or Homogeneous Area	Date / Time Sampled (Air Monitoring Only)
4026-W-01	RM A4026 - BOOK SHELF (S)	1 ea	9-4-24
4026-W-02	BOOK SHELF (N)	1 ea	
4026-W-03	DESK	1 ea	
4026-W-04	BOOK SHELF NE	1 ea	
4026-W-05	FILE CABINET	1 ea	
4026-W-06	PRINTER	1 ea	

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

Method of Shipment:		Sample Condition Upon Receipt:	
Relinquished by:	Date/Time:	Received by: Ruy Garcia (WI)	Date/Time 9/4/24 4:05pm
Relinquished by:	Date/Time:	Received by:	Date/Time

Controlled Document - COC-05 LAT Asbestos R7 04/23/2021

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LA Testing

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http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order:	322420318
Customer ID:	32TESV78
Customer PO:	74930
Project ID:	

Attention:	Israel Monsalvo Terra Environmental Services 12631 Imperial Hwy Suite A225 Santa Fe Springs, CA 90670	**Phone:**	(562) 868-3777
		Fax:	
		Received Date:	09/06/2024 4:20 PM
		Analysis Date:	09/10/2024
		Collected Date:	09/06/2024
Project:	CSULA KH- Room KH A4027		

Test Report: Asbestos Analysis of Dust Samples Using Method ASTM 6480

Sample ID	Area Sampled (cm²)	Asbestos Type	Asbestos Structures	Sensitivity (str/cm²)	Concentration (str/cm²)	Comments
4027-07 322420318-0001	929	Chrysotile	7	260	1820	
4027-08 322420318-0002	929	None Detected	<2.99	260	<777	
4027-09 322420318-0003	929	Chrysotile	3	260	780	
4027-10 322420318-0004	929	None Detected	<2.99	136	<407	
4027-11 322420318-0005	929	Chrysotile	<2.99	136	<407	
4027-12 322420318-0006	929	Chrysotile	<2.99	260	<777	

Analyst(s):

Lishuang Zheng (6)

Jerry Drapala Ph.D, Laboratory Manager
or other approved signatory

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Samples analyzed by LA Testing South Pasadena, CA

Initial report from: 09/10/2024 13:55:38

OrderID: 322420318

Asbestos Chain of Custody (Air, Bulk, Soil)

LA Testing Order Number / Lab Use Only

#322420318

LA Testing
520 Mission Street
South Pasadena, CA 91030

PHONE: 800-303-0047
EMAIL: pasadenalab@latesting.com

If Bill-To is the same as Report-To leave this section blank. Third-party billing requires written authorization.

Customer Information		Billing Information	
Customer ID:		Billing ID:	
Company Name:	TERRA ENVIRONMENTAL	Company Name:	
Contact Name:	ISRAEL MONSALVO	Billing Contact:	
Street Address:	12631 IMPERIAL HWY	Street Address:	
City, State, Zip:	SANTA FE SPRINGS CA	Country:	City, State, Zip: / Country:
Phone:	562 868 3777		Phone:
Email(s) for Report:	israel@terraeng.com		Email(s) for Invoice:

Project Information

Project Name/No:	CSULA KH - ROOM KH A4027	Purchase Order:	74930
LAT LIMS Project ID: (If applicable, LA Testing will provide)		US State where samples collected:	State of Connecticut (CT) must select project location: ☐ Commercial (Taxable) ☐ Residential (Non-Taxable)
Sampled By Name:	ISRAEL MONSALVO	Sampled By Signature:	No. of Samples in Shipment

Turn-Around-Time (TAT)

☐ 3 Hour ☐ 4-4.5 Hour AHERA ONLY ☐ 6 Hour ☑ 24 Hour ☐ 32 Hour ☐ 48 Hour ☐ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week

TEM Air 3-6 Hour, please call ahead to schedule. 32 Hour TAT available for select tests only; samples must be submitted by 11:30 am.

Test Selection

PCM Air
- ☐ NIOSH 7400
- ☐ NIOSH 7400 w/ 8hr. TWA

PLM - Bulk (reporting limit)
- ☐ PLM EPA 600/R-93/116 (<1%)
- ☐ PLM EPA NOB (<1%)
- ☐ POINT COUNT
  - ☐ 400 (<0.25%) ☐ 1,000 (<0.1%)
- POINT COUNT w/ GRAVIMETRIC
  - ☐ 400 (<0.25%) ☐ 1,000 (<0.1%)
- ☐ NIOSH 9002 (<1%)
- ☐ NYS 198.1 (Friable - NY)
- ☐ NYS 198.6 NOB (Non-Friable - NY)
- ☐ NYS 198.8 (Vermiculite SM-V)

TEM - Air
- ☐ AHERA 40 CFR, Part 763
- ☐ NIOSH 7402
- ☐ EPA Level II
- ☐ ISO 10312*

TEM - Bulk
- ☐ TEM EPA NOB
- ☐ NYS NOB 198.4 (Non-Friable-NY)
- ☐ TEM EPA 600/R-93/116 w Milling Prep (0.1%)

Other Test (please specify)

TEM - Settled Dust
- ☐ Microvac - ASTM D5755
- ☑ Wipe - ASTM D6480
- ☐ Qualitative via Filtration Prep
- ☐ Qualitative via Drop Mount Prep

Soil - Rock - Vermiculite (reporting limit)*
- ☐ PLM EPA 600/R-93/116 with milling prep (<0.25%)
- ☐ PLM EPA 600/R-93/116 with milling prep (<0.1%)
- ☐ TEM EPA 600/R-93/116 with milling prep (<0.1%)
- ☐ TEM Qualitative via Filtration Prep
- ☐ TEM Qualitative via Drop Mount Prep

*Please call with your project-specific requirements.

☐ Positive Stop - Clearly Identified Homogeneous Areas (HA) | Filter Pore Size (Air Samples) ☐ 0.8um ☐ 0.45um

Sample Number	Sample Location / Description	Volume, Area or Homogeneous Area	Date / Time Sampled (Air Monitoring Only)
4027-07	ROOM A4027 - EAST SHELF	1 ea	9-6-24
4027-08	FILE CABINET	1 ea	
4027-09	SOUTH SHELF	1 ea	
4027-10	BOX SHELF 2 (N)	1 ea	
4027-11	BOX #2 SHELF 4	1 ea	
4027-12	BOX SHELF #3 (1,2,3)	1 ea	

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

Method of Shipment:		Sample Condition Upon Receipt:	
Relinquished by:	Date/Time: 9-6-24	Received by: Jennifer Sotelo	Date/Time: 9/6/24 4:20
Relinquished by:	Date/Time:	Received by:	Date/Time

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LA Testing

520 Mission Street South Pasadena, CA 91030
Phone/Fax: (323) 254-9960 / (323) 254-9982
http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order:	322420138
Customer ID:	32TESV78
Customer PO:	74930
Project ID:	

Attention:	Lab results Terra Environmental Services 12631 Imperial Hwy Suite A225 Santa Fe Springs, CA 90670	**Phone:**	(562) 868-3777
		Fax:	
		Received Date:	09/04/2024 4:05 PM
		Analysis Date:	09/05/2024
		Collected Date:	09/04/2024
Project:	74930 / CSULA - King Hall Rm A4028		

Test Report: Asbestos Analysis of Dust Samples Using Method ASTM 6480

Sample ID	Area Sampled (cm^2)	Asbestos Type	Asbestos Structures	Sensitivity (str/cm^2)	Concentration (str/cm^2)	Comments
4028-W-01 322420138-0001	929	None Detected	<2.99	260	<777	
4028-W-02 322420138-0002	929	None Detected	<2.99	260	<777	
4028-W-03 322420138-0003	929	None Detected	<2.99	136	<407	
4028-W-04 322420138-0004	929	None Detected	<2.99	136	<407	
4028-W-05 322420138-0005	929	None Detected	<2.99	260	<777	
4028-W-06 322420138-0006	929	None Detected	<2.99	260	<777	

Analyst(s):

Julie Vong (6)

Jerry Drapala Ph.D, Laboratory Manager
or other approved signatory

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Samples analyzed by LA Testing South Pasadena, CA

Report amended: 09/05/2024 13:24:49 Replaces initial report from: 09/05/2024 13:16:51 Reason Code: Data Entry-Change to Appearance

OrderID: 322420138

Asbestos Chain of Custody (Air, Bulk, Soil)

LA Testing Order Number / Lab Use Only

#322420138

LA Testing
520 Mission Street
South Pasadena, CA 91030

PHONE: 800-303-0047
EMAIL: pasadenalab@latesting.com

If Bill-To is the same as Report-To leave this section blank. Third-party billing requires written authorization.

Customer Information		Billing Information	
Customer ID:		Billing ID:	
Company Name:	TERRA ENVIRONMENTAL	Company Name:	
Contact Name:	I. MONSALVO	Billing Contact:	
Street Address:	12631 IMPERIAL HWY	Street Address:	
City, State, Zip:	SANTA FE SPRINGS CA	Country:	City, State, Zip: / Country:
Phone:	562 868 3777	Phone:	
Email(s) for Report:	israel@terraeng.com	Email(s) for Invoice:	

Project Information

Project Name/No:	CSULA – KINA HALL RM A4028	Purchase Order:	74930
LAT LIMS Project ID: (If applicable, LA Testing will provide)		US State where samples collected:	State of Connecticut (CT) must select project location: ☐ Commercial (Taxable) ☐ Residential (Non-Taxable)
Sampled By Name:	ISRAEL MONSALVO	Sampled By Signature:	No. of Samples in Shipment: 6

Turn-Around-Time (TAT)

☐ 3 Hour ☐ 4-4.5 Hour AHERA ONLY ☐ 6 Hour ☒ 24 Hour ☐ 32 Hour ☐ 48 Hour ☐ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week

TEM Air 3-6 Hour, please call ahead to schedule. 32 Hour TAT available for select tests only; samples must be submitted by 11:30 am.

Test Selection

PCM Air
- ☐ NIOSH 7400
- ☐ NIOSH 7400 w/ 8hr. TWA

PLM - Bulk (reporting limit)
- ☐ PLM EPA 600/R-93/116 (<1%)
- ☐ PLM EPA NOB (<1%)
- ☐ POINT COUNT
  - ☐ 400 (<0.25%) ☐ 1,000 (<0.1%)
- POINT COUNT w/ GRAVIMETRIC
  - ☐ 400 (<0.25%) ☐ 1,000 (<0.1%)
- ☐ NIOSH 9002 (<1%)
- ☐ NYS 198.1 (Friable - NY)
- ☐ NYS 198.6 NOB (Non-Friable - NY)
- ☐ NYS 198.8 (Vermiculite SM-V)

TEM - Air
- ☐ AHERA 40 CFR, Part 763
- ☐ NIOSH 7402
- ☐ EPA Level II
- ☐ ISO 10312*

TEM - Bulk
- ☐ TEM EPA NOB
- ☐ NYS NOB 198.4 (Non-Friable-NY)
- ☐ TEM EPA 600/R-93/116 w Milling Prep (0.1%)

Other Test (please specify)

TEM - Settled Dust
- ☐ Microvac - ASTM D5755
- ☒ Wipe - ASTM D6480
- ☐ Qualitative via Filtration Prep
- ☐ Qualitative via Drop Mount Prep

Soil - Rock - Vermiculite (reporting limit)*
- ☐ PLM EPA 600/R-93/116 with milling prep (<0.25%)
- ☐ PLM EPA 600/R-93/116 with milling prep (<0.1%)
- ☐ TEM EPA 600/R-93/116 with milling prep (<0.1%)
- ☐ TEM Qualitative via Filtration Prep
- ☐ TEM Qualitative via Drop Mount Prep

*Please call with your project-specific requirements.

☐ Positive Stop - Clearly Identified Homogeneous Areas (HA) | Filter Pore Size (Air Samples) ☐ 0.8um ☐ 0.45um

Sample Number	Sample Location / Description	Volume, Area or Homogeneous Area	Date / Time Sampled (Air Monitoring Only)
4028-W-01	ROOM A4028 - BOOK SHELF (N)	1	9-4-24
4028-W-02	- BOOK BOX (S)	1	
4028-W-03	- FILE CABINET	1	
4028-W-04	- BOOK BOX (N4)	1	
4028-W-05	- COUCH	1	
4028-W-06	- PRINTER	1	

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

Method of Shipment:		Sample Condition Upon Receipt:	
Relinquished by:	Date/Time: 09.04.24	Received by: Rey Garcia (WT)	Date/Time: 9/4/24 4:05PM
Relinquished by:	Date/Time:	Received by:	Date/Time

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LA Testing

520 Mission Street South Pasadena, CA 91030
Phone/Fax: (323) 254-9960 / (323) 254-9982
http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order:	322420316
Customer ID:	32TESV78
Customer PO:	74930
Project ID:	

Attention:	Israel Monsalvo Terra Environmental Services 12631 Imperial Hwy Suite A225 Santa Fe Springs, CA 90670	**Phone:**	(562) 868-3777
		Fax:	
		Received Date:	09/06/2024 4:20 PM
		Analysis Date:	09/09/2024
		Collected Date:	09/06/2024
Project:	CSULA KH Room A4030		

Test Report: Asbestos Analysis of Dust Samples Using Method ASTM 6480

Sample ID	Area Sampled (cm²)	Asbestos Type	Asbestos Structures	Sensitivity (str/cm²)	Concentration (str/cm²)	Comments
4030-01 322420316-0001	929	Chrysotile	<2.99	136	<407	
4030-02 322420316-0002	929	None Detected	<2.99	136	<407	
4030-03 322420316-0003	929	None Detected	<2.99	136	<407	
4030-04 322420316-0004	929	None Detected	<2.99	136	<407	
4030-05 322420316-0005	929	None Detected	<2.99	136	<407	
4030-06 322420316-0006	929	None Detected	<2.99	136	<407	

Analyst(s):

Lishuang Zheng (6)

Jerry Drapala Ph.D, Laboratory Manager
or other approved signatory

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Samples analyzed by LA Testing South Pasadena, CA

Initial report from: 09/09/2024 17:44:55

OrderID: 322420316

Asbestos Chain of Custody (Air, Bulk, Soil)

LA Testing Order Number / Lab Use Only

#322420316

LA Testing
520 Mission Street
South Pasadena, CA 91030

PHONE: 800-303-0047
EMAIL: pasadenalab@latesting.com

If Bill-To is the same as Report-To leave this section blank. Third-party billing requires written authorization.

Customer Information		Billing Information	
Customer ID:		Billing ID:	
Company Name:	TERRA ENVIRONMENTAL	Company Name:	
Contact Name:	ISRAEL MONSALVO	Billing Contact:	
Street Address:	12631 IMPERIAL HWY A225	Street Address:	
City, State, Zip:	SANTA FE SPRINGS CA	Country:	City, State, Zip: / Country:
Phone:	562 868 3777		Phone:
Email(s) for Report:	israel@terraeng.com		Email(s) for Invoice:

Project Information

Project Name/No:	CSVLA KH ROOM A4030	Purchase Order:	74930
LAT LIMS Project ID: (If applicable, LA Testing will provide)		US State where samples collected:	State of Connecticut (CT) must select project location: ☐ Commercial (Taxable) ☐ Residential (Non-Taxable)
Sampled By Name:	ISRAEL MONSALVO	Sampled By Signature:	No. of Samples in Shipment

Turn-Around-Time (TAT)

☐ 3 Hour ☐ 4-4.5 Hour AHERA ONLY ☐ 6 Hour ☑ 24 Hour ☐ 32 Hour ☐ 48 Hour ☐ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week

TEM Air 3-6 Hour, please call ahead to schedule. 32 Hour TAT available for select tests only; samples must be submitted by 11:30 am.

Test Selection

PCM Air
- ☐ NIOSH 7400
- ☐ NIOSH 7400 w/ 8hr. TWA

PLM - Bulk (reporting limit)
- ☐ PLM EPA 600/R-93/116 (<1%)
- ☐ PLM EPA NOB (<1%)
- ☐ POINT COUNT
  - ☐ 400 (<0.25%) ☐ 1,000 (<0.1%)
- POINT COUNT w/ GRAVIMETRIC
  - ☐ 400 (<0.25%) ☐ 1,000 (<0.1%)
- ☐ NIOSH 9002 (<1%)
- ☐ NYS 198.1 (Friable - NY)
- ☐ NYS 198.6 NOB (Non-Friable - NY)
- ☐ NYS 198.8 (Vermiculite SM-V)

TEM - Air
- ☐ AHERA 40 CFR, Part 763
- ☐ NIOSH 7402
- ☐ EPA Level II
- ☐ ISO 10312*

TEM - Bulk
- ☐ TEM EPA NOB
- ☐ NYS NOB 198.4 (Non-Friable-NY)
- ☐ TEM EPA 600/R-93/116 w Milling Prep (0.1%)

Other Test (please specify)

TEM - Settled Dust
- ☐ Microvac - ASTM D5755
- ☑ Wipe - ASTM D6480
- ☐ Qualitative via Filtration Prep
- ☐ Qualitative via Drop Mount Prep

Soil - Rock - Vermiculite (reporting limit)*
- ☐ PLM EPA 600/R-93/116 with milling prep (<0.25%)
- ☐ PLM EPA 600/R-93/116 with milling prep (<0.1%)
- ☐ TEM EPA 600/R-93/116 with milling prep (<0.1%)
- ☐ TEM Qualitative via Filtration Prep
- ☐ TEM Qualitative via Drop Mount Prep

*Please call with your project-specific requirements.

☐ Positive Stop - Clearly Identified Homogeneous Areas (HA) | Filter Pore Size (Air Samples) ☐ 0.8um ☐ 0.45um

Sample Number	Sample Location / Description	Volume, Area or Homogeneous Area	Date / Time Sampled (Air Monitoring Only)
4030-01	ROOM KH A4030 - NE DESK	1 ea	9.6.24
4030-02	- NW DESK	1 ea	
4030-03	- S SHELF	1 ea	
4030-04	- FILE CABINET	1 ea	
4030-05	- PRINTER	1 ea	
4030-06	- SW DESK	1 ea	

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

Method of Shipment:		Sample Condition Upon Receipt:	
Relinquished by:	Date/Time: 9.6.24	Received by: Jhennifer Soteldui	Date/Time 9/6/24 4:20
Relinquished by:	Date/Time:	Received by:	Date/Time

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Submission of samples to LA Testing constitutes acceptance and acknowledgment of all terms and conditions by Customer.

LA Testing

520 Mission Street South Pasadena, CA 91030
Phone/Fax: (323) 254-9960 / (323) 254-9982
http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order:	322420135
Customer ID:	32TESV78
Customer PO:	74930
Project ID:	

Attention:	Israel Monsalvo	**Phone:**	(562) 868-3777
	Terra Environmental Services	**Fax:**	
	12631 Imperial Hwy	**Received Date:**	09/04/2024 4:05 PM
	Suite A225	**Analysis Date:**	09/05/2024
	Santa Fe Springs, CA 90670	**Collected Date:**	09/04/2024
Project:	CSULA- Administration Bldg Rm 606B		

Test Report: Asbestos Analysis of Dust Samples Using Method ASTM 6480

Sample ID	Area Sampled (cm²)	Asbestos Type	Asbestos Structures	Sensitivity (str/cm²)	Concentration (str/cm²)	Comments
AB-606-1 322420135-0001	929	Chrysotile	5	227	1140	
AB-606-2 322420135-0002	929	Chrysotile	3	364	1090	Due to excessive particulate the target analytical sensitivity of 260 str/cm² was not reached.
AB-606-3 322420135-0003	929	Chrysotile	4	364	1460	Due to excessive particulate the target analytical sensitivity of 260 str/cm² was not reached.
AB-606-4 322420135-0004	929	Chrysotile	3	364	1090	Due to excessive particulate the target analytical sensitivity of 260 str/cm² was not reached.
AB-606-5 322420135-0005	929	Chrysotile	4	364	1460	Due to excessive particulate the target analytical sensitivity of 260 str/cm² was not reached.
AB-606-6 322420135-0006	929	Chrysotile	10	1820	18200	Due to excessive particulate the target analytical sensitivity of 260 str/cm² was not reached.

Analyst(s):

Lishuang Zheng (6)

Jerry Drapala Ph.D, Laboratory Manager
or other approved signatory

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Samples analyzed by LA Testing South Pasadena, CA

Report amended: 09/12/2024 15:38:18 Replaces initial report from: 09/05/2024 12:41:56 Reason Code: Client-Other (see report comment)

OrderID: 322420135
OrderID: 322420135

Asbestos Chain of Custody (Air, Bulk, Soil)

LA Testing Order Number / Lab Use Only

#322420135

LA Testing
520 Mission Street
South Pasadena, CA 91030

PHONE: 800-303-0047
EMAIL: pasadenalab@lasting.com

If Bill-To is the same as Report-To leave this section blank. Third-party billing requires written authorization.

Customer Information

Customer ID:	
Company Name:	TERRA ENVIRONMENTAL
Contact Name:	ISRAEL MONSALVO
Street Address:	12631 IMPERIAL HWY # A225
City, State, Zip:	SANTA FE SPRINGS CA
Country:	
Phone:	(562) 868-3777
Email(s) for Report:	israel@terraeng.com

Billing Information

Billing ID:	
Company Name:	
Billing Contact:	
Street Address:	
City, State, Zip:	
Country:	
Phone:	
Email(s) for Invoice:	

Project Information

Project Name/No:	CSULA - ADMINISTRATION BLDG RM 606B
Purchase Order:	74930
LAT LIMS Project ID: (If applicable, LA Testing will provide)	
US State where samples collected:	
State of Connecticut (CT) must select project location:	☐ Commercial (Taxable) ☐ Residential (Non-Taxable)
Sampled By Name:	ISRAEL MONSALVO
Sampled By Signature:	
No. of Samples in Shipment	

Turn-Around-Time (TAT)

☐ 3 Hour ☐ 4-4.5 Hour AHERA ONLY ☐ 6 Hour ☒ 24 Hour ☐ 32 Hour ☐ 48 Hour ☐ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week

TEM Air 3-6 Hour, please call ahead to schedule. 32 Hour TAT available for select tests only; samples must be submitted by 11:30 am.

Test Selection

PCM Air
- ☐ NIOSH 7400
- ☐ NIOSH 7400 w/ 8hr. TWA

PLM - Bulk (reporting limit)
- ☐ PLM EPA 600/R-93/116 (<1%)
- ☐ PLM EPA NOB (<1%)
- ☐ POINT COUNT
  - ☐ 400 (<0.25%) ☐ 1,000 (<0.1%)
- POINT COUNT w/ GRAVIMETRIC
  - ☐ 400 (<0.25%) ☐ 1,000 (<0.1%)
- ☐ NIOSH 9002 (<1%)
- ☐ NYS 198.1 (Friable - NY)
- ☐ NYS 198.6 NOB (Non-Friable - NY)
- ☐ NYS 198.8 (Vermiculite SM-V)

TEM - Air
- ☐ AHERA 40 CFR, Part 763
- ☐ NIOSH 7402
- ☐ EPA Level II
- ☐ ISO 10312*

TEM - Bulk
- ☐ TEM EPA NOB
- ☐ NYS NOB 198.4 (Non-Friable-NY)
- ☐ TEM EPA 600/R-93/116 w Milling Prep (0.1%)

Other Test (please specify)

TEM - Settled Dust
- ☐ Microvac - ASTM D5755
- ☒ Wipe - ASTM D6480
- ☐ Qualitative via Filtration Prep
- ☐ Qualitative via Drop Mount Prep

Soil - Rock - Vermiculite (reporting limit)*
- ☐ PLM EPA 600/R-93/116 with milling prep (<0.25%)
- ☐ PLM EPA 600/R-93/116 with milling prep (<0.1%)
- ☐ TEM EPA 600/R-93/116 with milling prep (<0.1%)
- ☐ TEM Qualitative via Filtration Prep
- ☐ TEM Qualitative via Drop Mount Prep

*Please call with your project-specific requirements.

☐ Positive Stop - Clearly Identified Homogeneous Areas (HA) | Filter Pore Size (Air Samples) ☐ 0.8um ☐ 0.45um

Sample Number	Sample Location / Description	Volume, Area or Homogeneous Area	Date / Time Sampled (Air Monitoring Only)
AB-606-1	ROOM 606B - CHAIR RAIL	1 ea	9.4.24
AB-606-2	FLOOR BY DOOR	1 ea	
AB-606-3	FLOOR BY FLOOR	1 ea	
AB-606-4	HALLWAY FLOOR	1 ea	
AB-606-5	CABINET AT 606B	1 ea	
AB-606-6	ELEVATOR FLOOR	1 ea	
~~AB-606-7~~ OH			

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

Method of Shipment:		Sample Condition Upon Receipt:	
Relinquished by:	Date/Time: 9-4-24	Received by: Rey Garcia (LA)	Date/Time 9/4/24 4:05 PM
Relinquished by:	Date/Time:	Received by:	Date/Time

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LA Testing

520 Mission Street South Pasadena, CA 91030
Phone/Fax: (323) 254-9960 / (323) 254-9982
http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order:	322420312
Customer ID:	32TESV78
Customer PO:	74930
Project ID:	

Attention:	Israel Monsalvo	**Phone:**	(562) 868-3777
	Terra Environmental Services	**Fax:**	
	12631 Imperial Hwy	**Received Date:**	09/06/2024 4:20 PM
	Suite A225	**Analysis Date:**	09/09/2024
	Santa Fe Springs, CA 90670	**Collected Date:**	09/06/2024
Project:	CSULA- Administration Bldg 606C		

Test Report: Asbestos Analysis of Dust Samples Using Method ASTM 6480

Sample ID	Area Sampled (cm²)	Asbestos Type	Asbestos Structures	Sensitivity (str/cm²)	Concentration (str/cm²)	Comments
606B-01 322420312-0001	929	Chrysotile	<2.99	260	<777	
606B-02 322420312-0002	929	None Detected	<2.99	260	<777	
606B-03 322420312-0003	929	Chrysotile	<2.99	1820	<5440	Due to excessive particulate the target analytical sensitivity of 260 str/cm² was not reached.
606B-04 322420312-0004	929	Chrysotile	<2.99	260	<777	
606B-05 322420312-0005	929	Chrysotile	<2.99	364	<1090	Due to excessive particulate the target analytical sensitivity of 260 str/cm² was not reached.
606B-06 322420312-0006	929	None Detected	<2.99	260	<777	

Analyst(s):

Julie Vong (6)

Jerry Drapala Ph.D, Laboratory Manager
or other approved signatory

LA Testing maintains liability limited to cost of analysis . Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by LA Testing . LA Testing bears no responsibility for sample collection activities or analytical method limitations . The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted.

Samples analyzed by LA Testing South Pasadena, CA

Report amended: 09/12/2024 15:30:51 Replaces amended report from: 09/12/2024 15:28:31 Reason Code: Client-Other (see report comment)

OrderID: 322420312

OrderID: 322420312

Asbestos Chain of Custody (Air, Bulk, Soil)

LA Testing Order Number / Lab Use Only

#322420312

LA Testing
520 Mission Street
South Pasadena, CA 91030

PHONE: 800-303-0047
EMAIL: [illegible]

If Bill-To is the same as Report-To leave this section blank. Third-party billing requires written authorization.

Customer Information

Customer ID:	
Company Name:	TERRA ENV
Contact Name:	I. MONSALVO
Street Address:	12631 IMPERIAL HWY
City, State, Zip:	SANTA FE SPRINGS CA
Country:	
Phone:	562 868 3777
Email(s) for Report:	isael@terraeng.com

Billing Information

Billing ID:	
Company Name:	
Billing Contact:	
Street Address:	
City, State, Zip:	
Country:	
Phone:	
Email(s) for Invoice:	

Project Information

Project Name/No:	CSULA - ADMINISTRATION BLDG 606
Purchase Order:	74930.
LAT LIMS Project ID: (if applicable, LA Testing will provide)	
US State where samples collected:	
State of Connecticut (CT) must select project location:	☐ Commercial (Taxable) ☐ Residential (Non-Taxable)
Sampled By Name:	ISRAEL MONSALVO
Sampled By Signature:	
No. of Samples in Shipment	

Turn-Around-Time (TAT)

☐ 3 Hour ☐ 4-4.5 Hour AHERA ONLY ☐ 8 Hour ☑ 24 Hour ☐ 32 Hour ☐ 48 Hour ☐ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week

TEM Air 3-4 Hour, please call ahead to schedule. 32 Hour TAT available for select tests only; samples must be submitted by 11:30 am.

Test Selection

PCM Air
- ☐ NIOSH 7400
- ☐ NIOSH 7400 w/ 8hr. TWA

PLM - Bulk (reporting limit)
- ☐ PLM EPA 600/R-93/116 (<1%)
- ☐ PLM EPA NOB (<1%)
- ☐ POINT COUNT
  - ☐ 400 (<0.25%) ☐ 1,000 (<0.1%)
- POINT COUNT w/ GRAVIMETRIC
  - ☐ 400 (<0.25%) ☐ 1,000 (<0.1%)
- ☐ NIOSH 9002 (<1%)
- ☐ NYS 198.1 (Friable - NY)
- ☐ NYS 198.6 NOB (Non-Friable - NY)
- ☐ NYS 198.8 (Vermiculite SM-V)

TEM - Air
- ☐ AHERA 40 CFR, Part 763
- ☐ NIOSH 7402
- ☐ EPA Level II
- ☐ ISO 10312*

TEM - Bulk
- ☐ TEM EPA NOB
- ☐ NYS NOB 198.4 (Non-Friable-NY)
- ☐ TEM EPA 600/R-93/116 w Milling Prep (0.1%)

Other Test (please specify)

TEM - Settled Dust
- ☐ Microvac - ASTM D5755
- ☑ Wipe - ASTM D6480
- ☐ Qualitative via Filtration Prep
- ☐ Qualitative via Drop Mount Prep

Soil - Rock - Vermiculite (reporting limit)*
- ☐ PLM EPA 600/R-93/116 with milling prep (<0.25%)
- ☐ PLM EPA 600/R-93/116 with milling prep (<0.1%)
- ☐ TEM EPA 600/R-93/116 with milling prep (<0.1%)
- ☐ TEM Qualitative via Filtration Prep
- ☐ TEM Qualitative via Drop Mount Prep

*Please call with your project-specific requirements.

☐ Positive Stop - Clearly Identified Homogeneous Areas (HA) | Filter Pore Size (Air Samples) ☐ 0.8um ☐ 0.45um

Sample Number	Sample Location / Description	Volume, Area or Homogeneous Area	Date / Time Sampled (Air Monitoring Only)
606B-01	RM 606C - DESK	1 ea	9.6.24
606B-02	WINDOW SILL	1 ea	
606B-03	FLOOR (MAIN DOOR)	1 ea	
606B-04	CABINET	1 ea	
606B-05	FLOOR (BACK DOOR)	1 ea	
606B-06	MAGAZZINE SHELF	1 ea	

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

Method of Shipment:		Sample Condition Upon Receipt:	
Relinquished by:	Date/Time: 9.6.24	Received by: Jennifer Sotelo	Date/Time 9/6/24 4:20
Relinquished by:	Date/Time:	Received by:	Date/Time

Controlled Document - COC-CS LAT Asbestos R7 04/23/2021

☐ AGREE TO ELECTRONIC SIGNATURE (By checking, I consent to signing this Chain of Custody document by electronic signature.)

EMSL Analytical, Inc. (DBA LA Testing) Laboratory Terms and Conditions are incorporated into this Chain of Custody by reference in their entirety.
Submission of samples to LA Testing constitutes acceptance and acknowledgment of all terms and conditions by Customer.

Page 1 Of 1

LA Testing

520 Mission Street South Pasadena, CA 91030
Phone/Fax: (323) 254-9960 / (323) 254-9982
http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order:	322420314
Customer ID:	32TESV78
Customer PO:	74930
Project ID:	

Attention:	Israel Monsalvo	**Phone:**	(562) 868-3777
	Terra Environmental Services	**Fax:**	
	12631 Imperial Hwy	**Received Date:**	09/06/2024 4:20 PM
	Suite A225	**Analysis Date:**	09/10/2024
	Santa Fe Springs, CA 90670	**Collected Date:**	09/06/2024
Project:	CSULA- Administration Bldg 609		

Test Report: Asbestos Analysis of Dust Samples Using Method ASTM 6480

Sample ID	Area Sampled (cm²)	Asbestos Type	Asbestos Structures	Sensitivity (str/cm²)	Concentration (str/cm²)	Comments
609-01 322420314-0001	929	Chrysotile	<2.99	260	<777	
609-02 322420314-0002	929	None Detected	<2.99	136	<407	
609-03 322420314-0003	929	Chrysotile	5	260	1300	
609-04 322420314-0004	929	Chrysotile	35	1820	63700	Due to excessive particulate the target analytical sensitivity of 260 str/cm² was not reached.
609-05 322420314-0005	929	Chrysotile	<2.99	260	<777	
609-06 322420314-0006	929	Chrysotile	6	260	1560	

Analyst(s):

Julie Vong (6)

Jerry Drapala Ph.D, Laboratory Manager
or other approved signatory

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Samples analyzed by LA Testing South Pasadena, CA

Initial report from: 09/10/2024 17:57:56

OrderID: 322420314

Asbestos Chain of Custody (Air, Bulk, Soil)

LA Testing Order Number / Lab Use Only

#32242031 4

LA Testing
520 Mission Street
South Pasadena, CA 91030

PHONE: 800-303-0047
EMAIL: pasadenalab@latesting.com

If Bill-To is the same as Report-To leave this section blank. Third-party billing requires written authorization.

Customer Information

Customer ID:	
Company Name:	TERRA ENVIRONMENTAL
Contact Name:	ISRAEL MONSALVO
Street Address:	12631 IMPERIAL HWY
City, State, Zip:	SANTA FE SPRINGS CA Country:
Phone:	562 868 3777
Email(s) for Report:	Israel@terraeng.com

Billing Information

Billing ID:	
Company Name:	
Billing Contact:	
Street Address:	
City, State, Zip:	Country:
Phone:	
Email(s) for Invoice:	

Project Information

Project Name/No: CSULA - ADMINISTRATION BLDG RM 609 Purchase Order: 74930

LAT LIMS Project ID: (If applicable, LA Testing will provide)

US State where samples collected:

State of Connecticut (CT) must select project location: ☐ Commercial (Taxable) ☐ Residential (Non-Taxable)

Sampled By Name: ISRAEL MONSALVO Sampled By Signature: No. of Samples in Shipment

Turn-Around-Time (TAT)

☐ 3 Hour ☐ 4-4.5 Hour AHERA ONLY ☐ 6 Hour ☒ 24 Hour ☐ 32 Hour ☐ 48 Hour ☐ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week

TEM Air 3-6 Hour, please call ahead to schedule. 32 Hour TAT available for select tests only; samples must be submitted by 11:30 am.

Test Selection

PCM Air
- ☐ NIOSH 7400
- ☐ NIOSH 7400 w/ 8hr. TWA

PLM - Bulk (reporting limit)
- ☐ PLM EPA 600/R-93/116 (<1%)
- ☐ PLM EPA NOB (<1%)
- ☐ POINT COUNT
  - ☐ 400 (<0.25%) ☐ 1,000 (<0.1%)
- POINT COUNT w/ GRAVIMETRIC
  - ☐ 400 (<0.25%) ☐ 1,000 (<0.1%)
- ☐ NIOSH 9002 (<1%)
- ☐ NYS 198.1 (Friable - NY)
- ☐ NYS 198.6 NOB (Non-Friable - NY)
- ☐ NYS 198.8 (Vermiculite SM-V)

TEM - Air
- ☐ AHERA 40 CFR, Part 763
- ☐ NIOSH 7402
- ☐ EPA Level II
- ☐ ISO 10312*

TEM - Bulk
- ☐ TEM EPA NOB
- ☐ NYS NOB 198.4 (Non-Friable-NY)
- ☐ TEM EPA 600/R-93/116 w Milling Prep (0.1%)

Other Test (please specify)

TEM - Settled Dust
- ☐ Microvac - ASTM D5755
- ☒ Wipe - ASTM D6480
- ☐ Qualitative via Filtration Prep
- ☐ Qualitative via Drop Mount Prep

Soil - Rock - Vermiculite (reporting limit)*
- ☐ PLM EPA 600/R-93/116 with milling prep (<0.25%)
- ☐ PLM EPA 600/R-93/116 with milling prep (<0.1%)
- ☐ TEM EPA 600/R-93/116 with milling prep (<0.1%)
- ☐ TEM Qualitative via Filtration Prep
- ☐ TEM Qualitative via Drop Mount Prep

*Please call with your project-specific requirements.

☐ Positive Stop - Clearly Identified Homogeneous Areas (HA) Filter Pore Size (Air Samples) ☐ 0.8um ☐ 0.45um

Sample Number	Sample Location / Description	Volume, Area or Homogeneous Area	Date / Time Sampled (Air Monitoring Only)
609-01	RM 609 - DESK	1 ea	9.6.24
609-02	SHELF	1 ea	
609-03	WINDOW SILL	1 ea	
609-04	FLOOR	1 ea	
609-05	DESK	1 ea	
609-06	FLOOR	1 ea	

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

Method of Shipment:		Sample Condition Upon Receipt:	
Relinquished by: ISRAEL M	Date/Time: 9.6.24	Received by: Jhennifer Sotelo (LT)	Date/Time 9/6/24 4:20
Relinquished by:	Date/Time:	Received by:	Date/Time

Controlled Document - COC-05 LAT Asbestos R7 04/23/2021

☐ AGREE TO ELECTRONIC SIGNATURE (By checking, I consent to signing this Chain of Custody document by electronic signature.)

EMSL Analytical, Inc. (DBA LA Testing) Laboratory Terms and Conditions are incorporated into this Chain of Custody by reference in their entirety. Submission of samples to LA Testing constitutes acceptance and acknowledgment of all terms and conditions by Customer.

CONSULTANT CERTIFICATIONS

United States Department of Commerce
National Institute of Standards and Technology

Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 200232-0

LA Testing

South Pasadena, CA

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

Asbestos Fiber Analysis

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

2023-07-01 through 2024-06-30

Effective Dates

For the National Voluntary Laboratory Accreditation Program

National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

LA Testing
520 Mission Street
South Pasadena, CA 91030
Mr. Jerry Drapala Ph.D.
Phone: (323) 254-9960 Fax: (323) 254-9982
Email: jdrapala@latesting.com
http://www.latesting.com

ASBESTOS FIBER ANALYSIS **NVLAP LAB CODE 200232-0**

Bulk Asbestos Analysis

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

Airborne Asbestos Analysis

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

For the National Voluntary Laboratory Accreditation Program

TERRA Environmental

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

Israel Monsalvo



Certification No. **04-3551**

Expires on **05/20/25**

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.

California Department of PublicHealth

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH

LEAD-RELATED CONSTRUCTION CERTIFICATE

INDIVIDUAL:	CERTIFICATE TYPE:	NUMBER:	EXPIRATION DATE:
	Lead Inspector/Assessor	LRC-00001220	9/1/2024
	Lead Project Monitor	LRC-00001219	9/1/2024

Israel Monsalvo

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

Israel Monsalvo, CAC, CDPH-I/A & PM
Cal/OSHA-Certified Asbestos Consultant #04-3551
California Department of Public Health-Certified I/A, PM #LRC-00001220

12631 Imperial Hwy Suite A225, Santa Fe Springs, CA 90670
TEL 562.868.3777 – Fax 562.868.3778 www.terraeng.com