

July 31, 2019

## EXHIBIT B

Ms. Heather A. McMillan  
Planning Project Manager  
Planning and Construction  
Sweetwater Union High School District  
1130 Fifth Avenue  
Chula Vista, California 91911  
Phone: (619) 407-4942  
Email: [heather.mcmillan@sweetwaterschools.org](mailto:heather.mcmillan@sweetwaterschools.org)

**RE: Limited Hazardous Materials Survey Report  
Chula Vista High School  
Administration Building (Elevator Addition Project)  
820 Fourth Avenue  
Chula Vista, California 91911  
Vista Project No. 190537002**

Dear Ms. McMillan:

At the request of the Sweetwater Union High School District (SUHSD), Vista Environmental Consulting, Inc. (VISTA) performed a Hazardous Materials Survey (asbestos and lead-based paint) at the Administration Building (limited areas for the Elevator Addition project) within the Chula Vista High School campus located at 820 Fourth Avenue in the City of Chula Vista, San Diego County, California (the Project Site). The building is planned for limited renovation activities as part of an Elevator Addition project by the SUHSD.

### **OBJECTIVE**

The Hazardous Materials Survey was performed to identify and sample accessible, suspect asbestos-containing materials (ACMs), asbestos-containing construction materials (ACCMs) and representative building components for the presence of lead-based paints (LBPs)/lead-bearing substances (LBSs) that may be present at the facility.

*The survey performed was limited to representative rooms/areas, was not intrusive in nature, and did not include access of areas and sampling of materials which would have required minor demolition or destructive testing.*

The results of the hazardous materials survey update indicate that hazardous or regulated materials **are present** at the limited areas of the Project Site. The following table lists the identified materials, the location of the materials and the estimated quantity of materials which may be impacted during the planned renovations:

MATERIAL	DESCRIPTION	LOCATION	CONTAMINANT	ESTIMATED QUANTITY <sup>1</sup>
Vinyl Floor Tile/Mastic (2 Layers)	Beige with Specks and Brown Tile/Black Mastic	2 <sup>nd</sup> Floor Hallway	Asbestos (ACM)	Limited Areas to be Impacted by Elevator Project (Per Plans)
Canopy Post	Black/Metal	Exterior	Lead-Based Paint (LBP)	Limited Areas to be Impacted by Elevator Project (Per Plans)
Canopy Post	Black/Metal	Exterior	Lead-Based Paint (LBP)	Limited Areas to be Impacted by Elevator Project (Per Plans)
Window Frame	Beige/Metal	2 <sup>nd</sup> Floor Hallway	Lead-Based Paint (LBP)	Limited Areas to be Impacted by Elevator Project (Per Plans)
Wall Tile	Yellow/Ceramic	2 <sup>nd</sup> Floor Hallway	Lead-Bearing Substance (LBS)	Limited Areas to be Impacted by Elevator Project (Per Plans)
LCSCs Detected (See XRF Lead Data Table)				

Notes:

SF = square feet

LF = linear feet

EA = each

NA = not applicable

AC = air-conditioning

UW = universal waste

PCB = polychlorinated biphenyls

ACM = Asbestos-Containing Material, greater than 1% of asbestos by Polarized Light Microscopy (PLM), as defined by USEPA

ACCM (<1%) = Asbestos-Containing Construction Material, found to contain trace asbestos (>0.1% and <1.0%) are subject to regulation by CAL/OSHA as ACCMs. Select samples were further analyzed by 1,000 Point Count analysis.

Lead-Based Paint (LBP) = 1.00 milligrams per square centimeter (mg/cm<sup>2</sup>) of lead or greater is present, as defined by 17 California Code of Regulations (CCR) 35001-36100

Lead-Containing Surface Coatings (LCSCs) = 0.10 to 0.99 mg/cm<sup>2</sup> of lead present (8 California Code of Regulations [CCR] 1532.1). Contractor is responsible for employee exposure monitoring during abatement/demolition of LCSCs.

Lead-Bearing Substances (LBSs) = 1.00 mg/cm<sup>2</sup> of lead or greater is present

<sup>1</sup> Order of Magnitude ***ESTIMATED*** Quantities and Locations. It is the responsibility of the contractor to verify quantities and locations of hazardous materials in the path of construction through site visits and contractual bid set documents, including, but not limited to all specifications, drawings, and addenda. Any discrepancies between the contractual bid set documents and site visits must be submitted in writing to the Owner or the Owner's representative, ***PRIOR*** to bidding.

## **METHODOLOGY**

The limited hazardous materials update survey was performed on June 21, 2019 by Mr. Michael Tangonan under the direction of Mr. Stephen Reese. Report preparation was performed by Mr. Reese. Project management was performed by Mr. Reese. Mr. Reese is a State of California Division of Occupational Safety and Health (Cal/DOSH) Certified Asbestos Consultant (CAC). Mr. Tangonan is a Cal/DOSH Certified Site Surveillance Technician (CSST). VISTA personnel are either Lead-Related Construction Inspector-Assessors, Sampling Technicians and/or Project Monitors as issued by the State of California Department of Public Health (CDPH). Consultant certificates are included in Attachment 4.

### **Asbestos**

The limited asbestos survey was performed generally in accordance with the AHERA protocol (40 CFR Part 763, Subpart E), but modified for the exterior areas. Visual identification was performed by assessing visible and accessible structural, architectural, and mechanical components that may be impacted as part of this specific project, for the presence of suspect ACM at the Project Site. Each identified suspect asbestos-containing material (ACM) was sampled in accordance with procedures established by the United States Environmental Protection Agency (USEPA).

***The limited asbestos survey was not intrusive and did not include access and sampling of areas which required reasonable demolition to access.***

This survey was performed in the following manner:

- Suspect ACM was categorized into homogeneous materials. A homogeneous material is defined as being a surfacing material, thermal system insulation, or miscellaneous material which is uniform in color and texture. It may also be additionally subcategorized using the date of installation, when available.
- A sampling scheme was developed based upon the location and quantity of the suspect homogeneous ACM. A rough order of magnitude estimate of each suspect homogenous ACM was calculated and recorded for future reference. A sampling scheme, including a specific number of samples per suspect homogeneous ACM, was calculated prior to sampling.
- Sampling guidelines established by the USEPA were utilized for sampling each suspected homogeneous ACM.
- Trained California asbestos certified personnel, using appropriate sampling tools and sterile leak-tight containers, collected building materials that were suspected to contain ACM.
- Each suspect ACM sample was collected and sealed in its container and appropriately labeled with a unique sample identification number and recorded on an asbestos bulk sampling log. Each log contains a chain-of-custody to assure the proper transition of the samples from VISTA to the analytical laboratory.
- Sampling tools were decontaminated, by using a clean wet cloth, between the collection of each suspect sample to prevent the possibility of cross contamination to subsequent suspect ACM samples.

Quantities and locations are based upon areas that were accessed. Materials similar those in this report may be present in areas which were not accessed. Subsurface areas were not part of this survey.

Suspect asbestos samples were delivered, under chain-of-custody, to EMSL Analytical, Inc. (EMSL) located at 7916 Convoy Court in San Diego, California (Phone: 858.499.1303). EMSL Analytical, Inc. is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP) and the California Environmental Laboratory Accreditation Program (Cal-ELAP).

Samples were analyzed by Polarized Light Microscopy (PLM) utilizing dispersion staining techniques in accordance with the EPA's "Method for the Determination of Asbestos in Bulk

Building Materials” U.S. EPA/600/R-93/116, Visual Area Estimate, dated July 1993 and adopted by the NVLAP as Test Method Code 18/A01.

Select samples that were considered trace asbestos (<1%) by PLM, were additionally analyzed by the PLM 1,000 Point Count method in accordance with EPA/600/R-93/116 with a detection limit of 0.1% for asbestos.

### Lead

Suspect lead-based paints (LBPs) and lead-bearing substances (LBS) were identified via visual inspection. Representative surface coatings and materials were tested utilizing an X-Ray Fluorescence (XRF) direct read spectrum analyzer device in accordance with the requirements of the manufacturer’s performance characteristics sheet (PCS) to evaluate lead levels. The device used was a NITON Corporation XRF Spectrum Analyzer, Model XLp- 300 A. This device is a solid-state detector optimized for lead L-shell and K-shell X-ray detection and uses a 40 mCi 109Cd (1,480 Mbq) isotope for an excitation source.

This testing was a limited screening of paint for the purpose of characterizing the lead content in paint and coatings likely to be disturbed during work activities. For this purpose, XRF analysis was used to screen for lead levels and provides results that are generally representative of typical conditions but are not inclusive of all painted/coated surfaces present at the Project Site. This survey was ***not*** a surface by surface inspection as outlined in the U.S. Department of Housing and Urban Development (HUD) Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing pursuant to Title X of the Housing and Community Development Act of 1992. This analytical data can be helpful in evaluation of lead-related environmental risks in general, but cannot be used to calculate worker exposures and is not a substitute for employee exposure monitoring or waste stream sampling.

HUD specifies that lead-based paint (LBP) is present when paint contains lead equal or greater than 1.0 milligram per square centimeter (by XRF) by area or 0.5 percent by weight or 5,000 parts per million (or milligrams per kilogram).

## **RESULTS**

### Asbestos Bulk

A total of 33 suspect asbestos bulk samples was collected on June 21, 2019 from the limited areas of the Project Site and analyzed for the determination of the presence of asbestos (including an additional 6 samples analyzed by 1,000 Point Count).

The results of the previous reports and bulk samples collected for asbestos and analyzed by PLM (and/or by 1,000 Point Count) indicate that detectable concentrations of asbestos **are present** in the following materials considered to be **ACMs**:

ID	MATERIAL	DESCRIPTION	LOCATION	CAL/OSHA CLASS	SDAPCD CATEGORY <sup>1</sup>
G	Vinyl Floor Tile/Mastic (2 Layers)	Beige with Specks and Brown Tile/Black Mastic	2 <sup>nd</sup> Floor Hallway	Class II	Category I – Non-Friable

<sup>1</sup> SDAPCD Category based upon the material's condition at the time of the survey or as rendered as a result of standard manual removal/demolition techniques. The use of "mechanical means", non-standard or other aggressive removal/demolition techniques may result in a different classification.

**RACM** = Regulated Asbestos-Containing Material by SDAPCD

**ACM** = Asbestos-Containing Material, greater than 1% of asbestos by Polarized Light Microscopy (PLM), as defined by USEPA

**ACCM (<1%)** = Asbestos-Containing Construction Material, found to contain trace asbestos (>0.1% and <1.0%) are subject to regulation by CAL/OSHA as ACCMs

The results of the previous survey reports and bulk samples collected for asbestos, and analyzed by PLM indicate that the following materials **were not** considered ACMs or ACCMs:

ID	MATERIAL	DESCRIPTION	NUMBER OF SAMPLES
A*	Exterior Stucco Wall*	Rough Finish	3
B*	Exterior Stucco Overhang Ceiling*	Rough Finish	3
C	Window Putty	White/Gray	3
D	Acoustic Ceiling Tile with mastic and plaster	12" Tile/Brown Mastic/Beige Plaster	3
E	Plaster Wall	Sand Finish	3
F	Ceramic Wall Tile Grout	White (2 <sup>nd</sup> Floor Hallway)	3
H	Rock and Gravel Roof Core	Black/Gray (Walkway Canopy Roof)	3
I	Roof Parapet	Black/Gray (Walkway Canopy Roof)	3
J	Brick/Mortar	Gray (exterior)	3
K	Brick Wall	Brown (exterior)	3

\* = This material had concentrations of <1% asbestos when analyzed by PLM analysis, however, after further analysis by 1,000 Point Count, it was determined to have none detected or <0.1% asbestos and not considered ACMs or ACCMs.

Analytical laboratory data, chain of custody documents, a site map and a sample location map are included in the Attachments of this report.

**Lead**

VISTA collected 28 XRF readings (including calibration readings) of paint and coatings on June 21, 2019 from the project site building for the presence of lead. The results for this inspection indicate that some building components and respective surface coatings **did have** lead defining them as Lead-Based Paint (LBP) levels, in accordance with Title 17 of the California Code of Regulations, Section 35001 et. Seq including Lead-Bearing Substances (LBSs); and **did have** some lead concentrations in excess of the level for compliance with Cal/OSHA trigger activities, as defined in 8 CCR 1532.1.

MATERIAL	DESCRIPTION	LOCATION	CONTAMINANT	ESTIMATED QUANTITY <sup>1</sup>
Canopy Post	Black/Metal	Exterior	Lead-Based Paint (LBP)	Limited Areas to be Impacted by Elevator Project (Per Plans)
Canopy Post	Black/Metal	Exterior	Lead-Based Paint (LBP)	Limited Areas to be Impacted by Elevator Project (Per Plans)
Window Frame	Beige/Metal	2 <sup>nd</sup> Floor Hallway	Lead-Based Paint (LBP)	Limited Areas to be Impacted by Elevator Project (Per Plans)
Wall Tile	Yellow/Ceramic	2 <sup>nd</sup> Floor Hallway	Lead-Bearing Substance (LBS)	Limited Areas to be Impacted by Elevator Project (Per Plans)
LCSCs Detected (See XRF Lead Data Table)				

For purposes of this survey, and in accordance with Title 8 CCR, Section 1532.1 (8 CCR 1532.1) and Title 17 of the California Code of Regulations, (17 CCR) Section 35001 et. seq. the XRF results were interpreted as follows:

1. Lead-based paints/lead-bearing substances present were determined when XRF results revealed a lead concentration of  $\geq 1.0$  milligrams per square centimeter ( $\text{mg}/\text{cm}^2$ ).

2. Non lead-based paint/lead-containing surface coatings were determined when XRF results revealed a lead concentration of  $<1.0 \text{ mg/cm}^2$ . Due to the limitations of the XRF, materials with results  $0.1 \text{ mg/cm}^2$  (detection limit) or greater must be treated as lead-containing.

XRF data is included in the Attachments of this report. A copy of the CDPH Lead Hazard Evaluation Report (Form 8552) that was sent to CDPH is included as an attachment.

## **CONCLUSIONS AND RECOMMENDATIONS**

### **Asbestos**

The results of the limited asbestos survey indicate that **ACMs are present** at the project site.

Work performed during any activities that disturb the ACMs or ACCMs identified in this report must be performed in compliance with the most recent edition of all applicable federal, state, and local regulations, standards, and codes governing abatement, transport, and disposal of ACMs and ACCMs. Materials encountered in the building that are not part of this report must be properly sampled for the content of asbestos or assumed to be asbestos containing prior to any disturbance.

All disturbance and/or removal operations of ACMs/ACCMs must be performed by a Cal/OSHA registered and State licensed asbestos removal contractor in accordance with Title 8 of the California Code of Regulations, Section 1529 (8 CCR 1529). Notification must be provided to Cal/OSHA 24 hours prior to commencing such activities in accordance with 8 CCR 5203. All disturbance and/or abatement operations should be under the direction of a California Certified Asbestos Consultant.

Should the removal of identified friable ACMs, non-friable ACMs that may become friable during disturbance, use by mechanical means, or regulated asbestos-containing materials (RACMs) involve at least 100 square feet, then a written notification to the San Diego Air Pollution Control District (SDAPCD) must be provided 10 working days prior to any activity, including site preparation, that would break up, dislodge or similarly disturb the ACMs in accordance with Rule 361.140 thru 361.156.

Notification to employees and contractors working within the building should be made in accordance with the California Health and Safety Code, Section 25915 et.seq., and Proposition 65.



### Lead

The results of the limited lead testing indicate that **lead-based paints, lead-bearing substances and lead-containing surface** coatings **are present** at the project site.

Written notification to Cal/OSHA must be accomplished should LBP activities involve equal to or more than 100 square feet or 100 linear feet of removal in accordance with the requirements of 8 CCR 1532.1. Written notification to CDPH may be required.

At present there is no state or federal regulation requiring mandatory lead removal or abatement prior to disturbance of building materials with identified lead paint or coatings. However, there are applicable Cal/OSHA worker protection and training requirements, Cal/EPA waste disposal requirements, CDPH requirements for public and residential buildings, Federal EPA requirements for residential buildings and child occupied facilities, and SB 460 lead hazard regulations that apply to lead-related construction activities, abatement activities and their associated wastes. The following is a brief discussion and summary of applicable regulatory requirements:

♦ **Cal/OSHA:** Title 8, California Code of Regulation (CCR), Section 1532.1 (8 CCR 1532.1) governs occupational exposure to lead. This regulation requires that prior to initiation of certain activities, referred to as “trigger tasks”, workers must be trained, medically evaluated, and properly fitted with respiratory protection, and protective clothing until statistically reliable personal eight-hour time weighted average (TWA) results indicate lead exposure levels below the Personal Exposure Limit (PEL) for each unique task which disturbs lead-based and lead-containing coatings. This process is known as a Negative Exposure Assessment or NEA.

If the result of the exposure assessment is above the Action Level (AL) additional monitoring is required and if the result is above the PEL additional exposure monitoring, worker protection (including respirator protection and PPE), training and medical requirements apply. However even where the NEA criteria is met, certain hazard communication training and work practice controls still apply where lead is disturbed. “Trigger tasks” are tasks that are assumed to exceed the PEL pending an exposure assessment and they encompass the majority of construction activities that disturb surface coatings.

Examples of “trigger” tasks range from manual paint scraping as a lower expected exposure up to hot work and abrasive blasting as the highest expected exposures, and include any non-listed task that the employer determines may potentially expose employees to lead levels above the AL.

*“OSHA does not consider any method that relies solely on the analysis of bulk materials or surface content of lead (or other toxic material) to be acceptable for safely predicting employee exposure to airborne contaminants. Without air monitoring results or without the benefit of historical or objective data (including air sampling which clearly demonstrates that the employee cannot be exposed above the action level during any process, operation, or activity) the analysis of bulk or surface samples cannot be used to determine employee exposure.”- OSHA Standard Interpretation May 8, 2000.*

OSHA states that these rules apply to “any detectable concentration of lead” without a specified detection level. Due to the Consumer Product Safety Commission currently allowing paint to contain up to 600 parts per million (ppm) or 0.06% weight of lead, the variation of lead content due to aging and weathering, and the variation of detection limits associated with analysis of bulk materials, such as paint chips and surface content analysis via XRF, it is recommended that all painted or coated surfaces be treated as potentially containing lead. Positive analytical results by either method can be used to indicate that detectable lead is present but negative results cannot be interpreted as conclusively demonstrating the absence of lead. Analytical data from analysis of bulk materials or surface content of lead can be helpful in evaluation of lead-related environmental risks in general but cannot be used to calculate worker exposures and are not a substitute for employee exposure monitoring.

As a result of the above, any employee that works around potential lead-based or lead-containing coatings must have HAZCOM training and personal exposure air monitoring is additionally required for employees that disturb such coatings. Significant additional certification, notification, and work practices are required for materials found to be lead-based.

Any welding, cutting or heating of metal surfaces containing surface coatings should be conducted in accordance with 29 CFR 1926.354 and 8 CCR 1537. These regulations require surfaces covered with toxic preservatives, and in enclosed areas, be stripped of all toxic coatings for a distance of at least 4 inches, in all directions, from the area of heat application prior to the initiation of such heat application.

♦ **Federal EPA Renovation, Repair and Painting Rule 40 CFR 745:** Effective April 22, 2010 this rule covers all non-abatement renovation, repair or painting work in pre-1978 child occupied facilities and housing. Work which disturbs more than 6 square feet per room, or 20 square feet per exterior, of paint or other surface coatings that contain lead in concentrations equal to or in excess of 1.0 mg/cm<sup>2</sup> or 0.5% by weight are covered by this rule. Paint or surface

coatings, in pre-1978 child occupied facilities and housing, that have not been tested, or were tested using non-approved methods are also covered under this rule.

Renovation, remodeling, painting, window replacement, plumbing, electrical work, heating & air-conditioning, demolition, plus work performed by trades like carpenters, electricians and handymen are all covered under this rule. The rule applies to persons working for rental property owners, schools, day care providers, non-profits and governmental agencies. These regulations require notifications to owners & tenants, special training, certifications (for both companies & individuals), work practices, and clearance verification for such activities.

♦ **Cal/EPA** through the Division of Toxic Substance Control (DTSC) regulates disposal of lead hazardous waste (22 CCR Division 4.5, Minimum Standards for Management of Hazardous and Extremely Hazardous Wastes). DTSC has issued guidance indicating that architectural debris with intact lead paint is normally expected to be handled as general construction waste. However, waste stream segregation and analysis is still required for all lead painted or coated debris regardless of if the paint or coating is intact on a building component or not. The resulting wastes may be hazardous under California and federal RCRA standards for lead and therefore require proper handling, packaging, labeling, and transportation under a proper manifest to a permitted hazardous waste storage, treatment and disposal facility.

♦ **CDPH:** The Department of Public Health (CDPH) has specific requirements (Title 17 Sections 35001 thru 36100 et. al.) for hazard assessment and work in public or residential structures in regards to lead-based paint. These regulations require special certifications, work practices, and notification for such activities.

♦ **Senate Bill 460 (SB 460):** An act to amend Section 1941.1 of the Civil Code, and to amend Sections 17961, 17980, and 124130 of, and to add Sections 17920.10, 105251, 105252, 105253, 105254, 105255, 105256, and 105257 to, the Health and Safety Code, relating to lead abatement.

This bill allows for fines and criminal penalties to be levied on any person who is found to have performed lead abatement without containment or created a measurable “lead hazard” based upon current CDPH standards. A “lead hazard” means deteriorated lead-based paint, lead contaminated dust, lead contaminated soil, disturbing lead-based paint or presumed lead-based paint without containment, or any other nuisance which may result in persistent and quantifiable lead exposure. VISTA recommends that all parties who come into contact with paint or soil that have detectable lead concentrations follow all applicable federal, state

and local regulations relating to employee health and safety and proper disposal of generated wastes.

### **LIMITATIONS AND EXCLUSIONS**


The survey performed was limited to accessible, hazardous materials and the testing of representative areas. Subsurface investigations were not included as part of this investigation, nor were areas outside of the specific areas identified in this scope of work. Findings, conclusions, recommendations and analytical data offered in this report have been derived from visual survey of the accessible building materials and systems, and the outcome of sampling and analysis of suspected hazardous materials.

If materials having characteristics in common with those identified in this report or if other forms of suspect hazardous materials are discovered during work activities, maintenance personnel and/or contractors should be instructed to immediately cease work activities which may initiate an exposure episode, and notify the appropriate management personnel.

If you have any questions concerning the information contained in this report, please contact Stephen Reese at the office (858.412.4715), mobile phone (858.761.8188) or email ([steve.reese@vista-env.com](mailto:steve.reese@vista-env.com)).

Respectfully Submitted,

**Vista Environmental Consulting, Inc.**



Stephen S. Reese

Senior Project Manager

Certified Asbestos Consultant #05-3853 (expires 9/22/2019)

CDPH Lead Inspector-Assessor/Project Monitor #13938 (expires 11/25/2020)

- Attachments:
- 1) Asbestos Laboratory Analytical Results
  - 2) XRF Lead Data Table
  - 3) Sample Location Map
  - 4) Consultant Certificates

**ATTACHMENT 1**

**ASBESTOS LABORATORY ANALYTICAL RESULTS**



# EMSL Analytical, Inc.

7916 Convoy Court, Building 4, Suite A San Diego, CA 92111

Tel/Fax: (858) 499-1303 / (858) 499-1304

<http://www.EMSL.com> / [sandiegolab@emsl.com](mailto:sandiegolab@emsl.com)

EMSL Order: 431905693

Customer ID: VSTE25

Customer PO:

Project ID:

Attention: Steve Reese

Vista Environmental Consulting, Inc.

1531 Grand Avenue, Suite C

San Marcos, CA 92078

Phone: (858) 761-8188

Fax: (858) 412-4818

Received Date: 06/21/2019 10:15 AM

Analysis Date: 06/24/2019

Collected Date:

Project: SUHSD/CVHS BLDG 100/190537002

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
A01-Finish Coat 431905693-0001	EXT STUCCO WALL BEIGE ROUGH 1F EXT SE	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile
A01-Base Coat 431905693-0001A	EXT STUCCO WALL BEIGE ROUGH 1F EXT SE	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
A02-Finish Coat 431905693-0002	EXT STUCCO WALL BEIGE ROUGH 1F EXT SW	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile
A02-Base Coat 431905693-0002A	EXT STUCCO WALL BEIGE ROUGH 1F EXT SW	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
A03-Finish Coat 431905693-0003	EXT STUCCO WALL BEIGE ROUGH 1F EXT N	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile
A03-Base Coat 431905693-0003A	EXT STUCCO WALL BEIGE ROUGH 1F EXT N	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
B01-Finish Coat 431905693-0004	EXT STUCCO OVERHANG WHT ROUGH CANOPY WALKWAY S	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile
B01-Base Coat 431905693-0004A	EXT STUCCO OVERHANG WHT ROUGH CANOPY WALKWAY S	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
B02 431905693-0005	EXT STUCCO OVERHANG WHT ROUGH CANOPY WALKWAY S	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile
B03 431905693-0006	EXT STUCCO OVERHANG WHT ROUGH CANOPY WALKWAY S	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile
C01 431905693-0007	WINDOW PUTTY WHT/GRAY 1F EXT SE	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
C02 431905693-0008	WINDOW PUTTY WHT/GRAY 1F EXT N	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
C03 431905693-0009	WINDOW PUTTY WHT/GRAY 1F EXT SE	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
D01-Ceiling Tile 431905693-0010	12" ACT W/MASTIC & PLASTER WHT/REGULAR HOLE PATTERN 2F HALLWAY S	Tan Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (Other)	None Detected

Initial report from: 06/24/2019 18:05:04



# EMSL Analytical, Inc.

7916 Convoy Court, Building 4, Suite A San Diego, CA 92111

Tel/Fax: (858) 499-1303 / (858) 499-1304

<http://www.EMSL.com> / [sandiegolab@emsl.com](mailto:sandiegolab@emsl.com)

EMSL Order: 431905693

Customer ID: VSTE25

Customer PO:

Project ID:

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
D01-Mastic 431905693-0010A	12" ACT W/MASTIC & PLASTER WHT/REGULAR HOLE PATTERN 2F HALLWAY S	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
D01-Plaster 431905693-0010B	12" ACT W/MASTIC & PLASTER WHT/REGULAR HOLE PATTERN 2F HALLWAY S	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
D02-Ceiling Tile 431905693-0011	12" ACT W/MASTIC & PLASTER WHT/REGULAR HOLE PATTERN 2F HALLWAY S	Tan Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (Other)	None Detected
D02-Mastic 431905693-0011A	12" ACT W/MASTIC & PLASTER WHT/REGULAR HOLE PATTERN 2F HALLWAY S	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
D02-Plaster 431905693-0011B	12" ACT W/MASTIC & PLASTER WHT/REGULAR HOLE PATTERN 2F HALLWAY S	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
D03-Ceiling Tile 431905693-0012	12" ACT W/MASTIC & PLASTER WHT/REGULAR HOLE PATTERN 2F HALLWAY S	Tan Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (Other)	None Detected
D03-Mastic 431905693-0012A	12" ACT W/MASTIC & PLASTER WHT/REGULAR HOLE PATTERN 2F HALLWAY S	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
D03-Plaster 431905693-0012B	12" ACT W/MASTIC & PLASTER WHT/REGULAR HOLE PATTERN 2F HALLWAY S	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E01-Finish Coat 431905693-0013	PLASTER WALL SAND FINISH 2F HALLWAY S	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E01-Base Coat 431905693-0013A	PLASTER WALL SAND FINISH 2F HALLWAY S	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E02-Finish Coat 431905693-0014	PLASTER WALL SAND FINISH 2F HALLWAY S	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E02-Base Coat 431905693-0014A	PLASTER WALL SAND FINISH 2F HALLWAY S	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E03-Finish Coat 431905693-0015	PLASTER WALL SAND FINISH 2F HALLWAY S	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
E03-Base Coat 431905693-0015A	PLASTER WALL SAND FINISH 2F HALLWAY S	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 06/24/2019 18:05:04



# EMSL Analytical, Inc.

7916 Convoy Court, Building 4, Suite A San Diego, CA 92111

Tel/Fax: (858) 499-1303 / (858) 499-1304

<http://www.EMSL.com> / [sandiegolab@emsl.com](mailto:sandiegolab@emsl.com)

EMSL Order: 431905693

Customer ID: VSTE25

Customer PO:

Project ID:

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
F01 431905693-0016	CERAMIC WALL TILE GROUT WHT 2F HALLWAY S	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
F02 431905693-0017	CERAMIC WALL TILE GROUT WHT 2F HALLWAY S	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
F03 431905693-0018	CERAMIC WALL TILE GROUT WHT 2F HALLWAY S	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
G01-Vinyl Floor Tile 1 431905693-0019	12" VFT W/MASTIC (2 LAYERS) BEIGE W/SPEAKS & BROWN 2F HALLWAY S	Beige Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
G01-Mastic 1 431905693-0019A	12" VFT W/MASTIC (2 LAYERS) BEIGE W/SPEAKS & BROWN 2F HALLWAY S	Black Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
G01-Vinyl Floor Tile 2 431905693-0019B	12" VFT W/MASTIC (2 LAYERS) BEIGE W/SPEAKS & BROWN 2F HALLWAY S	Brown Non-Fibrous Homogeneous		92% Non-fibrous (Other)	8% Chrysotile
G01-Mastic 2 431905693-0019C	12" VFT W/MASTIC (2 LAYERS) BEIGE W/SPEAKS & BROWN 2F HALLWAY S	Black Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
G02-Vinyl Floor Tile 1 431905693-0020	12" VFT W/MASTIC (2 LAYERS) BEIGE W/SPEAKS & BROWN 2F HALLWAY S	Beige Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
G02-Mastic 1 431905693-0020A	12" VFT W/MASTIC (2 LAYERS) BEIGE W/SPEAKS & BROWN 2F HALLWAY S	Black Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
G02-Vinyl Floor Tile 2 431905693-0020B	12" VFT W/MASTIC (2 LAYERS) BEIGE W/SPEAKS & BROWN 2F HALLWAY S	Brown Non-Fibrous Homogeneous		92% Non-fibrous (Other)	8% Chrysotile
G02-Mastic 2 431905693-0020C	12" VFT W/MASTIC (2 LAYERS) BEIGE W/SPEAKS & BROWN 2F HALLWAY S	Black Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
G03-Vinyl Floor Tile 1 431905693-0021	12" VFT W/MASTIC (2 LAYERS) BEIGE W/SPEAKS & BROWN 2F HALLWAY S	Beige Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
G03-Mastic 1 431905693-0021A	12" VFT W/MASTIC (2 LAYERS) BEIGE W/SPEAKS & BROWN 2F HALLWAY S	Black Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile

Initial report from: 06/24/2019 18:05:04





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EMSL Order: 431905693

Customer ID: VSTE25

Customer PO:

Project ID:

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
G03-Vinyl Floor Tile 2 431905693-0021B	12" VFT W/MASTIC (2 LAYERS) BEIGE W/SPEAKS & BROWN 2F HALLWAY S	Brown Non-Fibrous Homogeneous		92% Non-fibrous (Other)	8% Chrysotile
G03-Mastic 2 431905693-0021C	12" VFT W/MASTIC (2 LAYERS) BEIGE W/SPEAKS & BROWN 2F HALLWAY S	Black Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
H01 431905693-0022	ROCK N' GRAVEL ROOF BLK/GRAY WALKWAY CANOPY S	Black Non-Fibrous Homogeneous	10% Cellulose 5% Glass	85% Non-fibrous (Other)	None Detected
H02 431905693-0023	ROCK N' GRAVEL ROOF BLK/GRAY WALKWAY CANOPY S	Black Non-Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
H03 431905693-0024	ROCK N' GRAVEL ROOF BLK/GRAY WALKWAY CANOPY S	Black Non-Fibrous Homogeneous	4% Cellulose 10% Glass	86% Non-fibrous (Other)	None Detected
I01 431905693-0025	ROOF PARAPET BLK/GRAY WALKWAY CANOPY S	Black Non-Fibrous Homogeneous	5% Glass	95% Non-fibrous (Other)	None Detected
I02 431905693-0026	ROOF PARAPET BLK/GRAY WALKWAY CANOPY S	Black Non-Fibrous Homogeneous	8% Synthetic 5% Glass	87% Non-fibrous (Other)	None Detected
I03 431905693-0027	ROOF PARAPET BLK/GRAY WALKWAY CANOPY S	Black Non-Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
J01 431905693-0028	BRICK MORTAR GRAY EXT S	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
J02 431905693-0029	BRICK MORTAR GRAY EXT S	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
J03 431905693-0030	BRICK MORTAR GRAY EXT S	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
K01 431905693-0031	BRICK WALL BROWN EXT S	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
K02 431905693-0032	BRICK WALL BROWN EXT S	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
K03 431905693-0033	BRICK WALL BROWN EXT S	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 06/24/2019 18:05:04



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EMSL Order: 431905693

Customer ID: VSTE25

Customer PO:

Project ID:

Analyst(s)

*Mariah Curran (27)*

*Terra Nevin (28)*

Mariah Curran, Laboratory Manager  
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method"), but augmented with procedures outlined in the 1993 ("final") version of the method. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. All samples received in acceptable condition unless otherwise noted. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. EMSL recommends gravimetric reduction for all non-friable organically bound materials prior to analysis. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. San Diego, CA NVLAP Lab Code 200855-0, CA ELAP 2713, HI L-09-03

Initial report from: 06/24/2019 18:05:04



# EMSL Analytical, Inc.

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<http://www.EMSL.com> / [sandiegolab@emsl.com](mailto:sandiegolab@emsl.com)

EMSL Order: 431905693

Customer ID: VSTE25

Customer PO:

Project ID:

**Attention:** Steve Reese  
Vista Environmental Consulting, Inc.  
1531 Grand Avenue, Suite C  
San Marcos, CA 92078

**Phone:** (858) 761-8188  
**Fax:** (858) 412-4818  
**Received:** 06/21/2019 10:15 AM  
**Analysis Date:** 07/30/2019  
**Collected:**

**Project:** SUHSD/CVHS BLDG 100/190537002

## Test Report: Asbestos Analysis of Bulk Material via EPA 600/R-93/116. Quantitation using the 1,000 Point Count Procedure

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
A01-Finish Coat 431905693-0001	EXT STUCCO WALL BEIGE ROUGH 1F EXT SE	Yellow Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	<0.1% Chrysotile
A02-Finish Coat 431905693-0002	EXT STUCCO WALL BEIGE ROUGH 1F EXT SW	Yellow Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	<0.1% Chrysotile
A03-Finish Coat 431905693-0003	EXT STUCCO WALL BEIGE ROUGH 1F EXT N	Yellow Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	<0.1% Chrysotile
B01-Finish Coat 431905693-0004	EXT STUCCO OVERHANG WHT ROUGH CANOPY WALKWAY S	Yellow Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	<0.1% Chrysotile
B02 431905693-0005	EXT STUCCO OVERHANG WHT ROUGH CANOPY WALKWAY S	Yellow Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	<0.1% Chrysotile
B03 431905693-0006	EXT STUCCO OVERHANG WHT ROUGH CANOPY WALKWAY S	Yellow Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	<0.1% Chrysotile

Analyst(s)

Alexandra Gates (6)

Mariah Curran, Laboratory Manager  
or other approved signatory

Some samples may contain asbestos fibers present in dimensions below PLM resolution limits. The limit of detection as stated in the method is 0.1%. EMSL Analytical Inc suggests that samples reported as <0.1% or none detected undergo additional analysis via TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval EMSL Analytical Inc. This test report must not be used by the client to claim product endorsement by NVLAP or any agency of the United States Government. EMSL Analytical Inc. bears no responsibility for sample collection activities, analytical method limitations, or the accuracy of results when requested to separate layered samples. EMSL Analytical Inc liability is limited to the cost of sample analysis. The test results contained within this report meet the requirements of NELAC unless otherwise noted. Samples received in good condition unless otherwise noted. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample.

Samples analyzed by EMSL Analytical, Inc. San Diego, CA

Initial report from: 07/30/2019 11:43:16

#431905693

VISTA ENVIRONMENTAL  
CONSULTING

## ASBESTOS BULK SAMPLE LOG

4901 MORENA BLVD.  
SAN DIEGO, CA 92117  
TEL 858.412.4715  
FAX 858.412.48181054 NORTH TUSTIN AVENUE  
ANAHEIM, CA 92807  
TEL 714.289.2600  
FAX 714.289.2603CLIENT: SUHSDDATE: 6-21-19LOCATION: CVHS Bldg. 100PROJECT NUMBER: 190537002SAMPLED BY: Michael TangonanCAC OR (SST) No: 04-3592

BUILDING	HOMO AREA ID	NUMBER	MATERIAL	DESCRIPTION	LOCATION	QUANTITY (SF/LF/EA)
100	A	01	Exterior Stucco Wall	Beige/Rough	1F Exterior S/E	
	↓	02	↓	↓	1F Exterior S/W	
	↓	03	↓	↓	1F Exterior North	
	B	01	Exterior stucco Overhang	White/Rough	Canopy Walkway - South	
	↓	02	↓	↓	↓	
	↓	03	↓	↓	↓	
	C	01	Window Putty	White/Gray	1F - Exterior S/E	
	↓	02	↓	↓	↓ North	
	↓	03	↓	↓	↓ S/E	
↓	D	01	12" ACT w/Mastic & Plaster	White/Regular Hole Pattern	2F - Hallway South	

ANALYTICAL METHOD: (PLM) TURNAROUND TIME: SAME DAY RUSH 24-HR 48-HR (3 DAY) 5 DAYEMAIL RESULTS TO: STEVE.REESE@VISTA-ENV.COM & MIKECARDONE@VISTA-ENV.COMEMAIL INVOICE TO: ACCOUNTING@VISTA-ENV.COM QUESTIONS CALL: 858.761.8188 (S. REESE)

SPECIAL INSTRUCTIONS:

CHAIN OF CUSTODY:

1. Michael Tangonan/ Michael Tangonan  
PRINT/SIGNATUREField Tech.  
TITLE6-21-19  
INCLUSIVE DATES2. [Signature] Riva Alger  
PRINT/SIGNATUREAdmin  
TITLE6/21/19 10:15am  
INCLUSIVE DATES3. \_\_\_\_\_  
PRINT/SIGNATURE

TITLE

INCLUSIVE DATES

PAGE 1 OF 4

#431905693

VISTA ENVIRONMENTAL  
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## ASBESTOS BULK SAMPLE LOG

4901 MORENA BLVD.  
SAN DIEGO, CA 92117  
TEL 858.412.4715  
FAX 858.412.48181054 NORTH TUSTIN AVENUE  
ANAHEIM, CA 92807  
TEL 714.289.2600  
FAX 714.289.2603CLIENT: SUHSDATE: 6-21-19LOCATION: CVHS - Bldg. 100PROJECT NUMBER: 190537002SAMPLED BY: Michael TangonanCAC OR (SST) No: 04-3592

BUILDING	HOMO AREA ID	NUMBER	MATERIAL	DESCRIPTION	LOCATION	QUANTITY (SF/LF/EA)
100	D	02	12" AC w/Mastic & Plaster	White/Regular Hole Pattern	2F-Hallway South	
	↓	03	↓	↓	↓	
	E	01	Plaster Wall	Sand Finish	2F-Hallway South	
	↓	02	↓	↓	↓	
	↓	03	↓	↓	↓	
	F	01	Ceramic Wall Tile	White	2F-Hallway South	
	↓	02	Grout	↓	↓	
	↓	03	↓	↓	↓	
	G	01	12" VPT w/Mastic	Beige w/ Specks + Brown	2F-Hallway South	
	↓	02	(2 Layers)	↓	↓	

ANALYTICAL METHOD: (PLM) TURNAROUND TIME: SAME DAY RUSH 24-HR 48-HR (3 DAY) 5 DAYEMAIL RESULTS TO: STEVE.REESE@VISTA-ENV.COM & MIKECARDONE@VISTA-ENV.COMEMAIL INVOICE TO: ACCOUNTING@VISTA-ENV.COM QUESTIONS CALL: 858.761.8188 (S. REESE)

SPECIAL INSTRUCTIONS: \_\_\_\_\_

## CHAIN OF CUSTODY:

1. Michael Tangonan/ Michael Tangonan  
PRINT/SIGNATUREField Tech.  
TITLE6-21-19  
INCLUSIVE DATES2. \_\_\_\_\_  
PRINT/SIGNATURE

TITLE

INCLUSIVE DATES

3. \_\_\_\_\_  
PRINT/SIGNATURE

TITLE

INCLUSIVE DATES

PAGE 2 OF 4

#431905693

VISTA ENVIRONMENTAL  
CONSULTING

## ASBESTOS BULK SAMPLE LOG

4901 MORENA BLVD.  
SAN DIEGO, CA 92117  
TEL 858.412.4715  
FAX 858.412.48181054 NORTH TUSTIN AVENUE  
ANAHEIM, CA 92807  
TEL 714.289.2600  
FAX 714.289.2603CLIENT: SUHSDATE: 6-21-19LOCATION: CVHS - Bldg. 100PROJECT NUMBER: 190537002SAMPLED BY: Michael TangonanCAC OR (SST) No: 04-3592

BUILDING	HOMO. AREA ID	NUMBER	MATERIAL	DESCRIPTION	LOCATION	QUANTITY (SF/LF/EA)
100	G	03	10' VFT w/ Mastic (2 Layers)	Beige w/ Specks + Brown	2F - Hallway South	
	H	01	Rock n. Gravel	Black/	Walkway Canopy - South	
		02	Roof	Gray		
		03				
	I	01	Roof Parapet	Black/	Walkway Canopy - South	
		02				
		03				
	J	01	Brick Mortar	Gray	Exterior. South	
		02				
		03				

ANALYTICAL METHOD: (PLM)TURNAROUND TIME: SAME DAY RUSH 24-HR 48-HR 3 DAY 5 DAYEMAIL RESULTS TO: STEVE.REESE@VISTA-ENV.COM & MIKECARDONE@VISTA-ENV.COMEMAIL INVOICE TO: ACCOUNTING@VISTA-ENV.COM QUESTIONS CALL: 858.761.8188 (S. REESE)

SPECIAL INSTRUCTIONS:

CHAIN OF CUSTODY:

1. Michael Tangonan/ Michael Tangonan  
PRINT/SIGNATUREField Tech.  
TITLE6-21-19  
INCLUSIVE DATES2. \_\_\_\_\_  
PRINT/SIGNATURE

TITLE

INCLUSIVE DATES

3. \_\_\_\_\_  
PRINT/SIGNATURE

TITLE

INCLUSIVE DATES

PAGE 3 OF 4

#431905693

VISTA ENVIRONMENTAL  
CONSULTING**ASBESTOS BULK SAMPLE LOG**4901 MORENA BLVD.  
SAN DIEGO, CA 92117  
TEL 858.412.4715  
FAX 858.412.48181054 NORTH TUSTIN AVENUE  
ANAHEIM, CA 92807  
TEL 714.289.2600  
FAX 714.289.2603CLIENT: SUHSDDATE: 6-21-19LOCATION: CVHS - Bldg. 100PROJECT NUMBER: 190537002SAMPLED BY: Michael TangonanCAC OR (SST) No: 04-3592

BUILDING	HOMO. AREA ID	NUMBER	MATERIAL	DESCRIPTION	LOCATION	QUANTITY (SF/LF/EA)
100	K	01	Brick Wall	Brown	Exterior - South	
↓	↓	02	↓	↓	↓	
↓	↓	03	↓	↓	↓	

ANALYTICAL METHOD: (PLM) TURNAROUND TIME: SAME DAY RUSH 24-HR 48-HR (3 DAY) 5 DAYEMAIL RESULTS TO: STEVE.REESE@VISTA-ENV.COM & MIKECARDONE@VISTA-ENV.COMEMAIL INVOICE TO: ACCOUNTING@VISTA-ENV.COM QUESTIONS CALL: 858.761.8188 (S. REESE)

SPECIAL INSTRUCTIONS: \_\_\_\_\_

CHAIN OF CUSTODY:

1. Michael Tangonan/ Michael Tangonan  
PRINT/SIGNATUREField Tech.  
TITLE6-21-19  
INCLUSIVE DATES2. \_\_\_\_\_  
PRINT/SIGNATURE

TITLE

INCLUSIVE DATES

3. \_\_\_\_\_  
PRINT/SIGNATURE

TITLE

INCLUSIVE DATES

PAGE 4 OF 4

**ATTACHMENT 2**

**XRF LEAD DATA TABLE**



SUHSD - CHULA VISTA HIGH SCHOOL												
READING NO.	TESTING DATE	COMPONENT	SUBSTRATE	COLOR	CONDITION	SIDE	BUILDING	FLOOR	ROOM	MISC.	RESULTS	LEAD (mg/cm <sup>2</sup> )
1	6/21/2019				SHUTTER CALIBRATION						QA	3.67
2	6/21/2019					CALIBRATE					QA	1
3	6/21/2019					CALIBRATE					QA	1
4	6/21/2019					CALIBRATE					QA	1
5	6/21/2019	WALL	STUCCO	BEIGE	INTACT	B	BLDG. 100	FIRST		EXTERIOR	Negative	0.01
6	6/21/2019	WALL	STUCCO	BEIGE	INTACT	B	BLDG. 100	FIRST		EXTERIOR	Negative	0
7	6/21/2019	CANOPY POST	METAL	BLACK	INTACT	B	BLDG. 100	FIRST		EXTERIOR	LBP	1.4
8	6/21/2019	CANOPY FASCIA	WOOD	BLUE	INTACT	A	BLDG. 100	FIRST		EXTERIOR	LBP	7.4
9	6/21/2019	CANOPY FASCIA TRIM	METAL	BLUE	INTACT	A	BLDG. 100	FIRST		EXTERIOR	Negative	0
10	6/21/2019	CANOPY CEILING	STUCCO	BEIGE	INTACT	A	BLDG. 100	FIRST		EXTERIOR	Negative	0
11	6/21/2019	CANOPY CEILING	STUCCO	BEIGE	INTACT	A	BLDG. 100	FIRST		EXTERIOR	Negative	0
12	6/21/2019	WINDOW FRAME	METAL	BEIGE	INTACT	A	BLDG. 100	FIRST		EXTERIOR	LBP	1
13	6/21/2019	WINDOW CASING	METAL	BEIGE	INTACT	A	BLDG. 100	FIRST		EXTERIOR	LCSC	0.7
14	6/21/2019	WINDOW TRIM	STUCCO	BLUE	INTACT	A	BLDG. 100	FIRST		EXTERIOR	LCSC	0.25
15	6/21/2019	WALL	STUCCO	BEIGE	INTACT	A	BLDG. 100	FIRST		EXTERIOR	Negative	0.01
16	6/21/2019	FENCE	METAL	BLACK	INTACT	B	BLDG. 100	FIRST		EXTERIOR	Negative	0.01
17	6/21/2019	FENCE	METAL	BLACK	INTACT	B	BLDG. 100	FIRST		EXTERIOR	Negative	0
18	6/21/2019	GATE	METAL	BLACK	INTACT	B	BLDG. 100	FIRST		EXTERIOR	Negative	0
19	6/21/2019	WALL	PLASTER	BEIGE	INTACT	B	BLDG. 100	FIRST		INTERIOR	Negative	0.01
20	6/21/2019	WALL	PLASTER	BEIGE	INTACT	B	BLDG. 100	SECOND	HALL	INTERIOR	Negative	0.01
21	6/21/2019	WALL	PLASTER	BEIGE	INTACT	D	BLDG. 100	SECOND	HALL	INTERIOR	Negative	0
22	6/21/2019	WALL	CERAMIC	YELLOW	INTACT	B	BLDG. 100	SECOND	HALL	INTERIOR	LBS	6.4
23	6/21/2019	WINDOW FRAME	METAL	BEIGE	INTACT	B	BLDG. 100	SECOND	HALL	INTERIOR	LCSC	0.3
24	6/21/2019	WINDOW CASING	METAL	BEIGE	POOR	B	BLDG. 100	SECOND	HALL	INTERIOR	Negative	0.02
25	6/21/2019	WINDOW CASING	METAL	BEIGE	POOR	B	BLDG. 100	SECOND	HALL	INTERIOR	Negative	0.08
26	6/21/2019					CALIBRATE					QA	1
27	6/21/2019					CALIBRATE					QA	1
28	6/21/2019					CALIBRATE					QA	1

## Notes:

XRF - X-ray fluorescence spectrum analyzer

mg/cm<sup>2</sup> - milligrams per square centimeter

Misc. - Miscellaneous

Null - Incomplete reading

QA - Quality Assurance Calibration Reading

LCSC - Lead-Containing Surface Coating (8 CCR 1532.1), lead present 0.1 or greater at Limit of Detection (LOD) and <1.0 mg/cm<sup>2</sup>.LBP - Lead-Based Paint (17 CCR 35001 et. seq.), lead is present at 1.00 mg/cm<sup>2</sup> or greaterLBS - Lead-Bearing Substance, lead is present at 1.00 mg/cm<sup>2</sup> or greater

**ATTACHMENT 3**  
**SAMPLE LOCATION MAP**

# BUILDING DIAGRAM

Client: SUHS

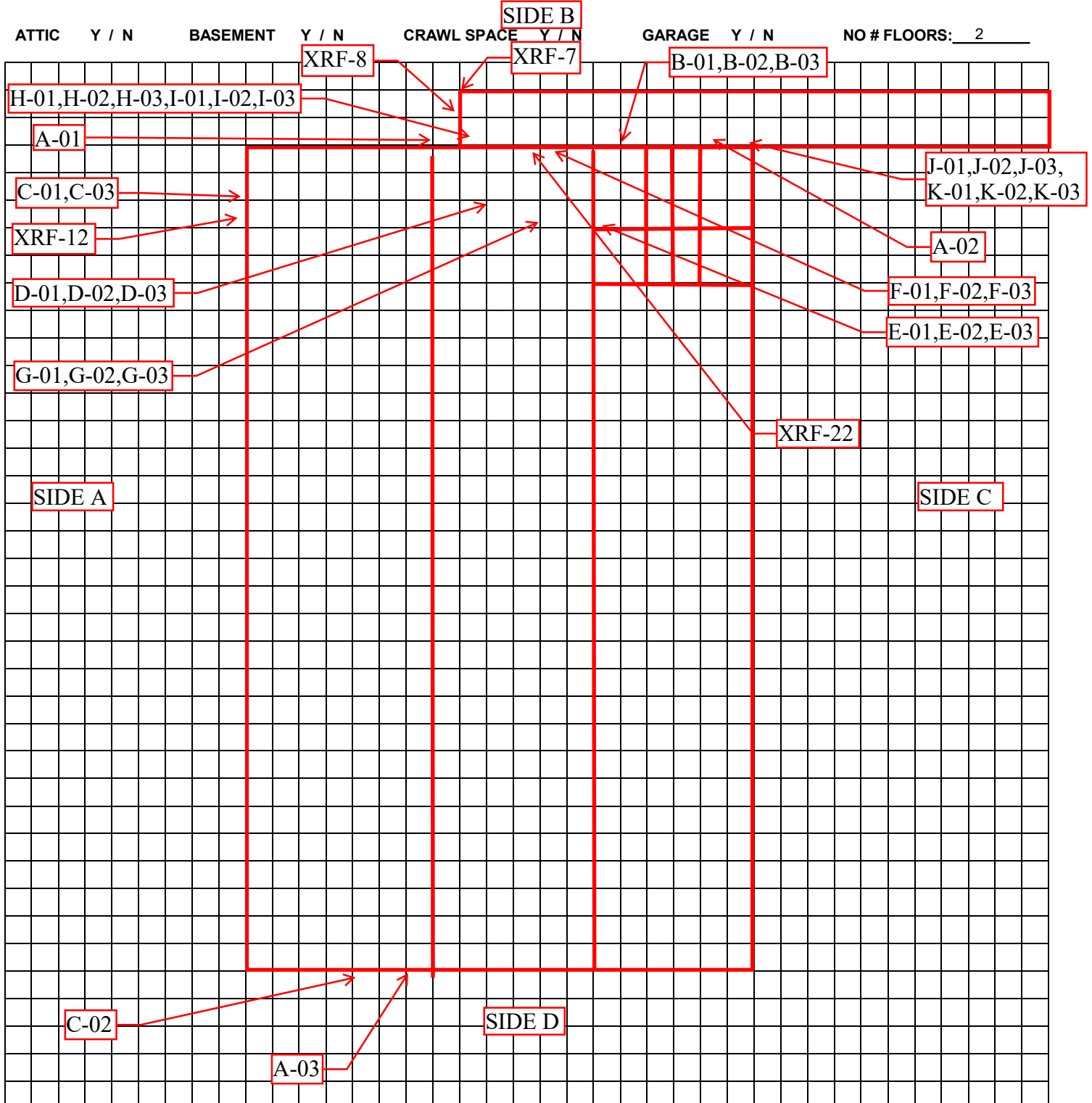
Date: 6/21/19

Address: 4th Avenue, Chula Vista

Project No: 190537002

Building: 100

Vista Inspector: Michael Tangonan



**ATTACHMENT 4**

**CONSULTANT CERTIFICATES**

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

**Stephen S Reese**



Name

Certification No. **05-3853**

Expires on **09/22/19**

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

State of California Department of Public Health

Lead-Related  
Construction  
Certificate

Certificate  
Type

Expiration  
Date



Inspector/Assessor	11/25/2020
Project Monitor	11/25/2020



Stephen S. Reese

ID #: 13938

State of California  
Division of Occupational Safety and Health  
**Certified Site Surveillance Technician**

**Michael Q Tangonan**



Name

Certification No. **04-3592**

Expires on **07/15/20**

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.

Mr. Michael Q. Tangonan  
Vista Environmental Consulting  
4901 Morena Blvd  
San Diego, California 92117





Mr. Michael Q. Tangonan  
Vista Environmental Consulting  
4901 Morena Blvd  
San Diego, California 92117

