



SURVEY FOR ASBESTOS AND LEAD IN PAINT, PCB LIGHT BALLAST AND MERCURY LIGHT TUBES

Science and Technology Buildings
Santa Monica High School
601 Pico Boulevard
Santa Monica, California 90405

Prepared for:

Santa Monica-Malibu Unified School District
1651 Sixteenth Street
Santa Monica, California 90404

Project No.: SMSD-17-7175

Date: October 30, 2017

Alta Environmental

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EXECUTIVE SUMMARY

Alta Environmental (Alta) conducted a hazardous materials survey for the presence of asbestos, lead in paint, polychlorinated biphenyls (PCBs) in light ballasts and mercury containing fluorescence light tubes in the Science and Technology Buildings at Santa Monica High School located at 601 Pico Boulevard, Santa Monica, California 90405. Our Cal/OSHA and California Department of Public Health (CDPH) Certified Professionals conducted the following activities:

- Review of existing records completed by ATC Associated, CTL Environmental and Cape Environmental,
- Initial investigation to locate suspect asbestos-containing materials (ACM), lead in paint;
- Physical assessment of suspect ACM, painted surfaces;
- Collection of bulk samples from suspect ACM, painted surfaces;
- Visual survey for suspect PCB light ballast, and mercury containing fluorescence light tubes; and
- Laboratory analysis of samples collected.

Asbestos-containing materials (ACMs) were detected in in areas inspected by the scope of work. Removal may be subject to regulation under USEPA *40 CFR 61, locally enforced by South Coast Air Quality Management District (SCAQMD) and Cal/OSHA regulation (Title 8 CCR Section 1529).*

Lead-based paints (LBPs) were detected on surfaces within building areas affected by the project. Impacts to LBP when disturbed for construction purposes are subject to Cal/OSHA worker protection requirements such as but not limited to initial employee exposure monitoring, worker protection etc. Impacts to LBP may also be subject to California Department of Public Health requirements if results of worker exposure monitoring exceed the Cal/OSHA permissible exposure limit. Refer to Section 5 in this report for a summary of LBP.

Lead-containing paints (LCP) were detected on surfaces within building areas affected by the project. When disturbed for construction purposes, impacts may be subject to Cal/OSHA worker protection requirements such as but not limited to initial employee exposure monitoring, worker protection etc. Refer to Appendix I for a summary of LCP.

Light fixtures suspected to contain PCB light ballast and mercury containing light tubes were observed in the affected buildings

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REPORTED: October 30, 2017

PROJECT NO.: SMSD-17-7175

CLIENT: Santa Monica-Malibu Unified School District
1651 Sixteenth Street
Santa Monica, California 90404

ATTENTION: Mr. Kevin Klaus

REF: Survey for Asbestos, Lead, PCBs Light Ballast
and Mercury Light Tubes
Santa Monica High School
601 Pico Boulevard
Santa Monica, California 90405

1 INTRODUCTION

Alta Environmental (Alta) conducted a hazardous materials survey for the presence of asbestos, lead in paint, polychlorinated biphenyls (PCBs) in light ballasts and mercury containing fluorescence light tubes in the Science and Technology Buildings at Santa Monica High School located at 601 Pico Boulevard, Santa Monica, California 90405 (the Site).

2 PROJECT BACKGROUND

Santa Monica-Malibu Unified School District retained Alta Environmental for the survey. The survey was completed by Fabian Ruvalcaba, a Cal/OSHA Certified Asbestos Consultant and California Department of Public Health (CDPH) Certified Inspector Assessor, and Jorge Robles, an EPA Accredited Asbestos Building Inspector.

3 SCOPE OF SERVICES

The survey included the following:

- Review of existing records completed by ATC Associated, CTL Environmental and Cape Environmental,
- Initial investigation to locate suspect asbestos-containing materials (ACM), lead in paint;
- Physical assessment of suspect ACM, painted surfaces;
- Collection of bulk samples from suspect ACM, painted surfaces;
- Visual survey for suspect PCB light ballast, and mercury containing fluorescence light tubes; and
- Laboratory analysis of samples collected.

4 METHODOLOGY

4.1 Asbestos

Bulk samples of representative observed construction materials were collected. The sampling was conducted using guidelines set forth in *Federal Register 40 CFR Part 763*. Alta Environmental conducted an initial walkthrough of the Site to develop a listing and sampling scheme of suspect materials. Samples were placed in sealable sample containers and assigned a unique sample identification number.

During the course of our investigation Alta used prior data and information from a previous investigation conducted by Cape Environmental, CTL Environmental and ATC Associates, Inc. As appropriate and applicable, Alta used and relied on this previous report to complete our investigation. Additional samples were collected as needed of materials not previously or insufficiently sampled.

Bulk samples collected from the Site were subsequently analyzed by polarized light microscopy (PLM) for asbestos content in accordance with the United States Environmental Protection Agency's (USEPA) *Determination of Asbestos in Bulk Building Materials: EPA/600/R-93/116, July 1993*, at AQ Environmental Laboratories located in Signal Hill, California. a laboratory accredited by the National Voluntary Laboratory Accreditation Program.

Based on the requirements of the USEPA as set forth in *40 CFR 763*, a homogeneous material is defined as "an area of surfacing material, thermal system insulation material or miscellaneous material that is uniform in color and texture." Furthermore, the regulation requires that a minimum number of samples be collected from each identified homogeneous material. If one sample in a homogeneous material is found to contain asbestos, the entire homogeneous material is considered to be asbestos-containing.

Caution is advised in interpreting results provided herein.

4.2 Lead

During our investigation Alta utilized prior data and information from a previous investigations conducted by Cape Environmental, CTL Environmental and ATC Associates, Inc. As appropriate and applicable, Alta used and relied on this previous report to complete our current investigation.

No Additional samples were collected to complete this investigation.

4.3 PCB Light Ballast

We performed a visual inspection to locate light fixtures equipped with fluorescent light tubes which may contain suspect PCBs in light ballast.

4.4 Mercury Containing Light Tubes

We performed a visual inspection to locate light fixtures which are known to contain mercury light tubes.

5 RESULTS

5.1 Asbestos

Asbestos-containing materials (ACM) are those materials found to contain greater than one percent asbestos by weight as determined by the PLM method of analysis. These materials are subject to regulation under USEPA 40 CFR 61, local South Coast Air Quality Management District (SCAQMD). These materials are also subject to Cal/OSHA regulation (Title 8 CCR Section 1529) when disturbed for construction purposes.

Summary of ACMs:

Material	Sample No.	Material Location	Asbestos Content	Est. Qty.
Science Building				
Window putty	SCI301, SCI302, SCI303	All exterior windows	2% - 3% chrysotile	3,800 ln. ft.
Technology Building				
Exterior stucco	TB2502, TB2503, TB2504, TB2505	Exterior east and west ends and stairways	2% - 3% chrysotile	4,500 sq. ft.

The laboratory reported all other materials sampled as “none detected,” based on the limitations of the analytical method. Please refer to Appendix A for a complete listing of materials sampled, locations, and material conditions.

5.2 Lead

Lead-based paint, according to, the State of California, HUD and the USEPA is defined as paint or other surface coating with lead content equal to or greater 5,000 parts per million (ppm) by paint chip analysis.

Summary of LBP:

Sample #	Sampling method	Structure	Material Location	Paint Color & Condition	Substrate	Lead (mg/cm ² /PPM)
Science Building						
Various, CTL and ATC	XRF	Window Casings	All exterior and interior window casings in the building	Blue & white/ intact	Metal	Various but more than 1.0 mg/cm ²
CTL 14	XRF	Wood window transoms	All exteriors	Grey/intact	Wood	0.8 mg/cm ²
ATC 066	XRF	Electrical conduit	All in the building	Blue/intact	Metal	1.1 mg/cm ²
ATC 072	XRF	Door frame	All door frames in the hallways	Blue/intact	Metal	1.0 mg/cm ²
Technology Building						
ATC 163	XRF	Porcelain sinks	Custodian room	White/intact	Porcelain	9.4 mg/cm ²
ATC 162	XRF	Water pipe	Custodian room	White/intact	Metal	1.1 mg/cm ²
ATC 155	XRF	Door frame	Room T105C	Blue/intact	Metal	1.0 mg/cm ²
CTL 10	XRF	Downspout	All exterior	White/intact	Metal	2.0 mg/cm ²

Summary of LCP

In general, all other painted surfaces were reported with detectable levels of lead above the laboratory analytical detection limit. For construction purposes, disturbances to these surfaces are subject to Cal-OSHA worker exposure requirements (*Title 8 CCR, Section 1532.1 (d)*). These requirements include but are not be limited to: worker training, worker protection, and worker exposure monitoring. It is recommended that engineering controls, respiratory protection and personal protective equipment be used during any project that disturbs paints reported with detectable levels of lead.

Information on lead containing paint can be found in Appendix D in this report.

5.3 PCB Light Ballast

We observed light fixtures known to contain light ballasts which may contain PCBs.

5.4 Mercury containing light tubes

We observed light fixtures known to contain fluorescence light tubes which may contain mercury.

6 CONCLUSIONS AND RECOMMENDATIONS

The survey and testing was conducted to identify asbestos, lead in paint, light ballast which may contain PCBs, florescence light tubes which may contain mercury. The survey did not include destructive testing and was limited to accessible areas. Additionally, a separate report addressing potentially PCB containing building materials was issued by Alta. Refer to the PCB Removal/Remediation Plan for additional information regarding PCBs in construction building materials.

Areas above hard-lid ceiling systems such as plaster, drywall or stucco ceilings with no available access hatch were not inspected. These areas should be evaluated prior to demolition. Any material which has not been documented in this report should be assumed to contain asbestos and lead-based paint. Should additional suspect ACM and LBP not identified in this report be discovered during renovation, demolition activities, or destructive testing, work should be stopped, and the material(s) should be sampled prior to disturbance.

Alta recommends that during removal, or demolition, if suspect ACMs or lead materials are discovered, that the materials be assumed to contain asbestos and lead. The suspect ACM and lead materials should be properly characterized by a Cal-OSHA certified professional prior to disturbance or removal.

Material quantities included in this report are of observed material and provided as a best estimate for information only and shall not be used as a reliable quantity by any contractor for preparing removal bids. The contractor shall be solely responsible for assessing the type, extent, and quantity of material to be removed in each area of the project in preparing each project bid.

6.1 Asbestos

Asbestos-containing materials have been identified at the Site. Refer to Section 5 in this report for a summary of ACMs.

Removal of ACMs should be conducted by a licensed asbestos abatement contractor utilizing isolation control methods and dispose of properly. Workers handling ACM shall be asbestos trained and shall wear the appropriate personal protective equipment. Removal shall be conducted in accordance with South Coast Air Quality Management District (SCAQMD) Procedures 1 and or 3 as necessary.

Damaged asbestos materials should be removed, repaired, encapsulated or enclosed. The USEPA (locally enforced by South Coast Air Quality Management District (SCAQMD) requires that all asbestos materials be removed prior to any renovation or demolition activities that may impact the material. The USEPA recommends that a proactive, in-place management program be put in place whenever asbestos is discovered in a building. Asbestos materials that are not damaged may be managed in place with a good operations and maintenance (O&M) program. The school's AHERA Management Plan should be updated to reflect the findings of this survey.

6.2 Lead

Lead-based paints

Lead-based paints have been identified in the Site. Refer to Section 5 in this report for a summary of LBP.

Impacts to LBP when disturbed for construction purposes are subject to Cal/OSHA worker protection requirements such as but not limited to initial employee exposure monitoring, worker protection etc. Impacts to LBP may also be subject to California Department of Public Health requirements if results of worker exposure monitoring exceed the Cal/OSHA permissible exposure limit.

An O&M program is also recommended for the identified LBP in good condition. An O&M program or interim control is a set of measures designed to temporarily reduce human exposure or possible exposure to LBP hazards. Such measures may include specialized cleaning, repairs, maintenance, painting, temporary containment and management and resident education programs. Visual monitoring conducted by owners and/or reevaluations by risk assessors are integral elements of an interim control. An initial evaluation of potential LBP hazard by a certified risk assessor is recommended for a successful implementation of the interim controls.

Abatement (e.g., stabilization) is recommended for damaged LBP, or if the condition of the materials noted as being in good condition should change. According to Federal regulations and guidelines, LBP abatement is the permanent (defined as designed to last at least 20 years or, in case of encapsulation, a 20-year product warranty) elimination of LBP hazards through replacement, enclosure, encapsulation, paint removal and cleaning to remove lead-contaminated dust.

Work activities impacting LBP pose a potential exposure risk for workers and/or building occupants. Workers trained in proper safety and respiratory techniques should perform renovation activities that may impact the LBP described in this report.

Lead-containing Paints

Lead-containing paints have been identified at the Site. Refer to Section 5 in this report for a summary of LCP.

Workers who disturb surfaces with lead-containing paint are subject to regulation under *Title 8 CCR, Section 1532.1 (d)*. These requirements include awareness training, monitoring to determine worker exposure. This regulation requires initial and on-going (if necessary) employee exposure monitoring to evaluate lead work exposure that disturbs paint with any detectable level of lead. Alta Environmental suggests that engineering controls, respiratory protection and personal protective equipment be employed at the start of any project that disturbs painted surfaces.

Lead-waste Disposal

Waste generated during removal or demolition of LBP and LCP components must be properly segregated into separate waste streams. Each waste stream should be randomly sampled and analyzed for lead by the California Waste Extraction Test for comparison to the Total Threshold Limit Concentration (TTLC), and Soluble Threshold Limit Concentration (STLC) and by Toxicity Characteristic Leaching Procedure (TCLP) as required, to determine the final disposition of the waste.

6.3 PCB Light Ballast

During demolition activities, the light fixture should be dismantled to expose the light ballast, the label on each ballast shall be inspected, if a label is missing or is not clearly labeled "No PCB" by the manufacturer, the ballast shall be assumed to contain PCBs. Ballast containing PCBs shall be segregated and packaged for proper disposal in accordance with all federal, state, and local regulations and guidelines.

6.4 Mercury Containing Light Tubes

All fluorescent light tubes should be removed, packaged and disposed in accordance with all federal, state, and local regulations and guidelines including CA Title 22 division 4.5 Chapter 11 Section 66261.50.

7 ASSUMPTIONS AND LIMITATIONS

This report was prepared exclusively for use by Santa Monica-Malibu Unified School District and may not be relied upon by any other person or entity without Alta Environmental's express written permission. The information, conclusions and recommendations described in this report apply to conditions existing at certain locations when services were performed and are intended only for the specific purposes, locations, time frames and project parameters indicated. Alta Environmental cannot be responsible for the impact of any changes in environmental standards, practices or regulations after performance of services.

In performing our professional services, we have applied present engineering and scientific judgment and used a level of effort consistent with the current standard of practice for similar types of studies.

As applicable, Alta Environmental has relied in good faith upon representations and information furnished by individuals with respect to operations and existing property conditions, to the extent that they have not

been contradicted by data obtained from other sources. Accordingly, Alta Environmental accepts no responsibility for any deficiencies, omissions, misrepresentations, or fraudulent acts of persons interviewed.

Alta Environmental will not accept any liability for loss, injury claim, or damage arising directly or indirectly from any use or reliance on this report. Alta Environmental makes no warranty, expressed or implied.

This report is issued with the understanding that the client, the property owner, or its representative is responsible for ensuring that the information, conclusions, and recommendations contained herein are brought to the attention of the appropriate regulatory agencies, as required.

Material quantities are in some cases listed within this document. These quantities are not intended to be used for removal bidding purposes. Nor is this document intended as a contract manual. Work methods and sequence, coordination of participants, applicable codes, engineering controls, required submittals and notifications should in all cases be addressed in a separate and independent bidding and contract document.

If you have any questions, please do not hesitate to contact the undersigned at (562) 495-5777. We appreciate the opportunity to be of service to Santa Monica-Malibu Unified School District.

8 SIGNATORY

Respectfully submitted by:

Alta Environmental



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Cal/OSHA Cert. #95-1799
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Appendix A

Asbestos Field Bulk Sample List

MATERIAL INVENTORY ASBESTOS SAMPLES

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-17-7175
PROJECT NAME: Santa Monica High School, Technology Building

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Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.		Friable	Damage
4" Black coverbase with glue	3478	None detected	Previously sampled, CTL Environmental	T11, T101-T313, T200-T219, Offices and storage room	3,500	ln. ft.	No	No
4" Black coverbase with glue	1	None detected	T106 Southeast					
4" Black coverbase with glue	2	None detected	T200, south center					
Gypsum board wall joint compound	TB02B01, TB02B02, TB02B03, 3480, 3481, 3482, 3483	None detected	Previously sampled, Cape Environmental	T11, T10, southwest side wall, T01 thru T113, offices, and storages, T200 thru T219	29,000	sq. ft.	No	No
Gypsum board wall	TB02A01 TB02A02	None detected	Previously sampled, Cape Environmental					
Gypsum board wall	3	None detected	T106 Northwest					
Heater unit mastic	3479	None detected	Previously sampled, CTL Environmental	T12, mechanical room	2	each	No	No
2'x2' Smooth pinhole ceiling panel	3484	None detected	Previously sampled, CTL Environmental	T100-DT113, T214, 1st floor, Offices and storage	9,500	sq. ft.	Yes	No
2'x2' Smooth pinhole ceiling panel	4	None detected	T106 Center					
2'x2' Smooth pinhole ceiling panel	5	None detected	T205 Center					

MATERIAL INVENTORY ASBESTOS SAMPLES

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CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-17-7175
PROJECT NAME: Santa Monica High School, Technology Building

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.		Friable	Damage
2'x4' Fissured square patterned ceiling panel	3485	None detected	Previously sampled, CTL Environmental	2nd floor hallway, T200-T219	28,000	sq. ft.	Yes	No
2'x4' Fissured square patterned ceiling panel	6	None detected	T200 Center					
2'x4' Fissured square patterned ceiling panel	7	None detected	T205 Center					
Light blue floor sheeting	3486	None detected	Previously sampled, CTL Environmental	2nd floor hallway room T214A	2,800	sq. ft.	No	No
Light blue floor sheeting	8	None detected	2nd floor hallway west center					
Light blue floor sheeting	9	None detected	2nd floor hallway east center					
12" White speckled floor tile with glue	3488	None detected	Previously sampled, CTL Environmental	T100 thru T113, office, storages, T200-DT219	15,000	sq. ft.	No	No
12" White speckled floor tile with glue	10	None detected	T106 Center					
12" White speckled floor tile with glue	11	None detected	T207 Center					
12" Grey speckled floor tile with glue	3487	None detected	Previously sampled, CTL Environmental	T100 thru T113, office, storages, T200-DT219	17,000	sq. ft.	No	No
12" Grey speckled floor tile with glue	12	None detected	T106 Center					
12" Grey speckled floor tile with glue	13	None detected	T207 Center					
Fireproofing	3489, 3490, 3491, 3492, 3493	None detected	Previously sampled, CTL Environmental	T105	2,400	sq. ft.	Yes	No
Chalkboards	N/A	Non-suspect asbestos units are metal	No sampling required	T100-T113, T200-T219	N/A	N/A	No	No

MATERIAL INVENTORY ASBESTOS SAMPLES

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CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-17-7175
PROJECT NAME: Santa Monica High School, Technology Building

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.		Friable	Damage
Rectangular counter tops	3495	None detected	Previously sampled, CTL Environmental	T200, T204	500	sq. ft.	No	No
Rectangular counter tops	14	None detected	204 Northwest					
Rectangular counter tops	15	None detected	200 South center					
Octagon shape counter tops	3494	None detected	Previously sampled, CTL Environmental	T200	200	sq. ft.	No	No
Octagon shape counter tops	16	None detected	200 Center					
Octagon shape counter tops	17	None detected	200 South center					
Rough plaster wall	TB1701, TB1702, TB1703	None detected	Previously sampled, Cape Environmental	2nd floor staff restrooms ceilings only	900	sq. ft.	No	No
Canvas wrap pipe insulation	TB1801, TB1802, TB1883	None detected	Previously sampled, Cape Environmental	T105	60	ln. ft.	No	No
Exterior stucco	TB2502, TB2403, TB2504, TB2505	2%-3% chrysotile	Previously sampled, Cape Environmental	Exterior east and west ends and stairways	4,500	sq. ft.	No	No
Exterior stucco	28	None detected	Exterior north east	Exterior walls, stairways	4,500	sq. ft.	No	No
Exterior stucco	29	None detected	Exterior east center					
Exterior stucco	30	None detected	Exterior south east					
Exterior stucco	31	None detected	Exterior 2nd floor south east					
Exterior stucco	32	None detected	Exterior south west					

MATERIAL INVENTORY ASBESTOS SAMPLES

CLIENT: Santa Monica Malibu USD
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Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.		Friable	Damage
Dash coat on concrete	18	None detected	Exterior south center at 106	Exterior walls	18,000	sq. ft.	No	No
Dash coat on concrete	19	None detected	Exterior south west					
Dash coat on concrete	20	None detected	Exterior southwest at entry to hallway					
Dash coat on concrete	21	None detected	Exterior southwest southeast					
Dash coat on concrete	22	None detected	Exterior north center of 105					
Dash coat on concrete	23	None detected	Exterior north west					
Dash coat on concrete	24	None detected	Exterior north east					
Barrier paper	25	None detected	Exterior north east	Exterior walls under wall stucco	4,500	sq. ft.	No	No
Barrier paper	26	None detected	Exterior east center					
Barrier paper	27	None detected	Exterior south east					
White painted roof core	33	None detected	Roof center	Roof	40,000	sq. ft.	No	No
White painted roof core	34	None detected	Roof south center					
White painted roof core	35	None detected	Roof north east					
Brown insulation	36	None detected	Roof center	Roof, under roofing	40,000	sq. ft.	No	No
Brown insulation	37	None detected	Roof south center					
Brown insulation	38	None detected	Roof north east					
White painted roof mastic	39	None detected	Roof south center	Roof on penetrations, pads, patches	250	sq. ft.	No	No
White painted roof mastic	40	None detected	Roof north east					
White painted roof mastic	41	None detected	Roof south west					

MATERIAL INVENTORY ASBESTOS SAMPLES

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CLIENT: Santa Monica Malibu USD
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Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.		Friable	Damage
Grey duct sealant	42	None detected	Roof center	Roof (Duct work)	120	sq. ft.	No	No
Grey duct sealant	43	None detected	Roof south center	Roof (Duct work)				
Grey duct sealant	44	None detected	Roof north east	Roof (Duct work)				
White painted parapet roofing	45	None detected	Roof south center	Roof (Duct work) Parapet wall and HVAC base	250	sq. ft.	No	No
White painted parapet roofing	46	None detected	Roof center on HVAC pad					
White painted parapet roofing	47	None detected	Roof north west					
Green non-skid floors	48	None detected	Women's restroom north east	2nd floor Men's restroom, Women's restroom	400	sq. ft.	No	No
Green non-skid floors	49	None detected	Women's restroom south west					
Green non-skid floors	50	None detected	Men's restroom east center					
Texture coating	51	None detected	T106 south center	1st-2nd floors throughout, all perimeter walls on concrete, also at interior walls on drywall with mud	45,000	sq. ft.	No	No
Texture coating	52	None detected	T105 north center					
Texture coating	53	None detected	2nd floor stairway east center					
Texture coating	54	None detected	2nd floor stairway west center					
Texture coating	55	None detected	1st floor hallway east center					
Texture coating	56	None detected	T113 north east					
Texture coating	57	None detected	T219 north east					

**MATERIAL INVENTORY
ASBESTOS SAMPLES**

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-17-7175
PROJECT NAME: Santa Monica High School, Science Building

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Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.		Friable	Damage
Drywall with joint compound	3496, 3497, 3498, 3499	None Detected	Previously sampled, CTL Environmental	107, prep room, 104C, restrooms, 105, 105A, 104, 102P, 102A, 200, 200P, 202, 204P, 201, 203, 205P, 205, 207, 100, all interiors	19,000	sq.ft.	No	No
Drywall with joint compound	1	None Detected	100, NE					
Drywall with joint compound	2	None Detected	102, NW					
Drywall with joint compound	3	None Detected	104, NE					
Drywall with joint compound	4	None Detected	203, SE					
Drywall with joint compound	5	None Detected	200, NW					
Drywall	5A	None Detected	100, NE	107, prep room, 104C, restrooms, 105, 105A, 104, 102P, 102A, 200, 200P, 202, 204P, 201, 203, 205P, 205, 207, 100, all interiors	19,000	sq.ft.	No	No
Composite of drywall with joint compound	5B	None Detected	104, NE					
Smooth plaster walls and ceilings	SCI-10-01, SCI-10-02, SCI-10-03, SCI-10-04, SCI-10-05, SCI-10-06, SCI-10-07, SCI-10-08, SCI-10-09, SCI-10-10	None Detected	Previously sampled, Cape Environmental	Interior of building (predominant walls)	12,000	sq.ft.	No	No

**MATERIAL INVENTORY
ASBESTOS SAMPLES**

CLIENT: Santa Monica Malibu USD
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Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.		Friable	Damage
2'x2' smooth pinhole ceiling panel	3484	None Detected	Previously sampled, CTL Environmental	Prep rooms, 107, 105, 105A, 104, 102P, 102, 100P, hallways, 1st and 2nd floor, 200, 200P, 202, 204P, 201, 201P, 203, 205P, 205, 207, 8100	13,000	sq.ft.	No	No
2'x2' smooth pinhole ceiling panel	6	None Detected	100, center					
2'x2' smooth pinhole ceiling panel	7	None Detected	1st floor hallway, center					
12" lt. grey floor tile with glue	3499	None Detected	Previously sampled, CTL Environmental	Prep room 5, corridors	600	sq.ft.	No	No
12" lt. grey floor tile with glue	8	None Detected	1st floor hallway, east center					
12" lt. grey floor tile with glue	9	None Detected	1st floor hallway, west center					
12" grey speckled floor tile and glue	3498	None Detected	Previously sampled, CTL Environmental	Prep rooms, 107, 105, 105A, 104, 102P, 102, 100P, hallways, 1st and 2nd floor, 200, 200P, 202, 204P, 201, 201P, 203, 205P, 205, 207	13,000	sq.ft.	No	No
12" grey speckled floor tile and glue	10	None Detected	100, NE					
12" grey speckled floor tile and glue	11	None Detected	201, center					
Lt blue floor sheeting	3486	None Detected	Previously sampled, CTL Environmental	1st and 2nd floor hallway	52,000	sq.ft.	No	No
Lt blue floor sheeting	12	None Detected	1st floor hallway, east center					
Lt blue floor sheeting	13	None Detected	2nd floor hallway, north center					

**MATERIAL INVENTORY
ASBESTOS SAMPLES**

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Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.		Friable	Damage
12" white floor tile with glue	3500	None Detected	Previously sampled, CTL Environmental	107, 104, 102, 100, 200, 202, 204, 201, 203, 205	2,000	sq.ft.	No	No
12" white floor tile with glue	14	None Detected	100, east center					
12" white floor tile with glue	15	None Detected	201, west center					
HVAC joint compound	3504	None Detected	Previously sampled, CTL Environmental	Mechanical room	100	sq.ft.	No	No
HVAC joint compound	16	None Detected	Mechanical room, center					
HVAC joint compound	17	None Detected	Mechanical room, NW					
Rectangular counter (black)	3495	None Detected	Previously sampled, CTL Environmental	Prep rooms, 107, 104, 102B, 100, 200, 200P, 202, 204, 207	3,500	sq.ft.	No	No
Rectangular counter (black)	18	None Detected	100, east center					
Rectangular counter (black)	19	None Detected	200, SE					
Octagon shaped counters	3194	None Detected	Previously sampled, CTL Environmental	205	50	sq.ft.	No	No
Octagon shaped counters	20	None Detected	205, center					
Octagon shaped counters	21	None Detected	205, SW					
4" black covebase with glue	3478	None Detected	Previously sampled, CTL Environmental	Prep rooms, 107, 105, 105A, 104, 102P, 102A,	2,000	ln.ft.	No	No
4" black covebase with glue	SCI-11-1, SCI-11-2, SCI-11-3	None Detected	Previously sampled, Cape Environmental					
Blue rectangular counters	3502	None Detected	Previously sampled, CTL Environmental	103, 101P, 101A, 101	350	sq.ft.	No	No
Blue rectangular counters	22	None Detected	103, east center					
Blue rectangular counters	23	None Detected	101, SE					

**MATERIAL INVENTORY
ASBESTOS SAMPLES**

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-17-7175
PROJECT NAME: Santa Monica High School, Science Building

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Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.		Friable	Damage
Carpet glue	3503	None Detected	Previously sampled, CTL Environmental	101A	90	sq.ft.	No	No
Carpet glue	24	None Detected	101A at entry					
Carpet glue	25	None Detected	101A, NE					
Chalkboard glue	26	None Detected	101, NW	200, 201, 202, 203, 204, 205, 207, 101-107	800	sq.ft.	No	No
Chalkboard glue	27	None Detected	107, east center					
Chalkboard glue	28	None Detected	200, west center					
White painted rolled on roofing	29	None Detected	Roof, center	Roof, all	13,000	sq.ft.	No	No
White painted rolled on roofing	30	None Detected	Roof, NE					
White painted rolled on roofing	31	None Detected	Roof, SW					
White painted roof mastic	32	None Detected	Roof, center	Roof on penetrations, and patches	160	sq.ft.	No	No
White painted roof mastic	33	None Detected	Roof, SW					
White painted roof mastic	34	None Detected	Roof, NE					
New fume hood	SCI-13-1	None Detected	Previously sampled, Cape Environmental	103, 105, 101P, 101	100	sq.ft.	No	No
New fume hood	35	None Detected	101P, center					
New fume hood	36	None Detected	101, SW					
12" ceiling tile straight and mastic	SCI-15-1, SCI-15-2, SCI-15-3	None Detected	Previously sampled, Cape Environmental	101 south wall, soffit	300	sq.ft.	No	No
2'x4' lay in ceiling panels	SCI-27-1, SCI-27-2, SCI-27-03	None Detected	Previously sampled, Cape Environmental	All classrooms	9,500	sq.ft.	No	No

**MATERIAL INVENTORY
ASBESTOS SAMPLES**

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Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.		Friable	Damage
12" blue floor tile with yellow glue	37	None Detected	103, center	103, 107, 101	1,000	sq.ft.	No	No
12" blue floor tile with yellow glue	38	None Detected	103, north center					
12" blue floor tile with yellow glue	39	None Detected	101, center					
12" grey floor tile and yellow glue	40	None Detected	101P, north center	103, 101, restrooms, 101P, 103	5,000	sq.ft.	No	No
12" grey floor tile and yellow glue	41	None Detected	101, NE					
12" grey floor tile and yellow glue	42	None Detected	103, NE					
Stucco	43	None Detected	Exterior, west center	Exterior east end and west ends, and stairwells	2,800	sq.ft.	No	No
Stucco	44	None Detected	Exterior, NW					
Stucco	45	None Detected	Exterior, NE					
Stucco	46	None Detected	Exterior, east center					
Stucco	47	None Detected	Exterior, NW	Exterior east end and west ends, and stairwells (under stucco)	2,800	sq.ft.	No	No
Barrier paper	48	None Detected	Exterior, east center					
Barrier paper	49	None Detected	Exterior, SE					
Barrier paper	50	None Detected	Exterior, SW					
Window putty	SCI301, SCI302, SCI303	2% - 3% chrysotile	Exterior windows	All exterior windows	3,800	ln.ft.	No	No
Window putty	51	None Detected	Exterior, SW					
Window putty	52	None Detected	Exterior, east center					
Window putty	53	None Detected	Exterior, north center					

**MATERIAL INVENTORY
ASBESTOS SAMPLES**

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Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.		Friable	Damage
Window caulking	54	None Detected	Exterior, SW	Exterior around window frames	1,000	ln.ft.	No	No
Window caulking	55	None Detected	Exterior, SE					
Window caulking	56	None Detected	Exterior, NW					
Door caulking	57	None Detected	Exterior, east center	Exterior around door frames	50	ln.ft.	No	No
Door caulking	58	None Detected	Exterior east center (2nd floor)					
Door caulking	59	None Detected	Exterior, west center					
Textured coat	60	None Detected	101, SW	Interior walls throughout on plaster and drywall and concrete walls.	30,000	sq.ft.	No	No
Textured coat	61	None Detected	102-P, NE					
Textured coat	62	None Detected	104, SE					
Textured coat	63	None Detected	200, SW					
Textured coat	64	None Detected	1st floor hallway, SW					
Textured coat	65	None Detected	1st floor, NE					
Textured coat	66	None Detected	2nd floor, hallway, east center					
White painted sheeting roof	67	None Detected	Roof, SE	Parapet wall, kick sheeting are base of HVAC ducts	300	sq.ft.	No	No
White painted sheeting roof	68	None Detected	Roof, center					
White painted sheeting roof	69	None Detected	Roof, NE					
Vibration reducer	70	None Detected	Roof, west center	Roof HVAC units	4	units	No	No
Vibration reducer	71	None Detected	Roof, west center					
Vibration reducer	72	None Detected	Roof, west center					

Appendix B

Laboratory Analytical Report: Asbestos



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Report Number 1729171

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Date Sampled 10/09/2017
Sampled By Fabian Ruvalcaba
Total Samples 89

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Non-Asbestos Components (%)	Asbestos Type (%)
1729171-001 1	Science Bldg Drywall Joint Compound, White, Homogeneous	LAYER 1 100%	Calcium Carbonate Binder/Filler 85% 15%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729171-002 2	Science Bldg Drywall Joint Compound, White, Homogeneous	LAYER 1 100%	Calcium Carbonate Perlite Mica Binder/Filler 70% 10% 5% 15%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729171-003 3	Science Bldg Drywall Joint Compound, White, Homogeneous	LAYER 1 100%	Calcium Carbonate Perlite Mica Binder/Filler 70% 10% 5% 15%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729171-004 4	Science Bldg Drywall Joint Compound, White, Homogeneous	LAYER 1 100%	Calcium Carbonate Perlite Mica Binder/Filler 70% 10% 5% 15%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729171-005 5	Science Bldg Drywall Joint Compound, White, Homogeneous	LAYER 1 100%	Calcium Carbonate Binder/Filler 85% 15%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected



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Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Non-Asbestos Components (%)	Asbestos Type (%)
1729171-006 5A	Science Bldg Drywall, White/Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber 25% Fibrous Glass <1 Gypsum/Filler 75%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729171-007 5B	Science Bldg Composite Drywall w/ mud, White/Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber 30% Fibrous Glass <1 Calcium Carbonate 25% Perlite 5% Gypsum/Filler 40%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729171-008 6	Science Bldg 2'x2' Smooth Pinhole Ceiling Panel, White/Beige, Non-homogeneous	LAYER 1 100%	Cellulose Fiber 30% Mineral Wool 20% Perlite 45% Binder/Filler 5%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729171-009 7	Science Bldg 2'x2' Smooth Pinhole Ceiling Panel, White/Beige, Non-homogeneous	LAYER 1 100%	Cellulose Fiber 30% Mineral Wool 20% Perlite 45% Binder/Filler 5%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729171-010 8A	Science Bldg 12" Floor Tile, Lt. Gray, Homogeneous	LAYER 1 100%	Calcium Carbonate 60% Vinyl Binder/ Filler 40%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected



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Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Non-Asbestos Components (%)	Asbestos Type (%)
1729171-011 8B	Science Bldg Glue, Yellow, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler 100%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729171-012 9A	Science Bldg 12" Floor Tile, Lt. Gray, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder/ Filler 60% 40%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729171-013 9B	Science Bldg Glue, Yellow, Homogeneous	LAYER 1 100%	Cellulose Fiber Adhesive Binders/Filler 3% 97%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729171-014 10A	Science Bldg 12" Speckled F.T., Gray, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder/ Filler 65% 35%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729171-015 10B	Science Bldg Glue, Yellow, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler 100%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729171-016 11A	Science Bldg 12" Speckled F.T., Gray, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder/ Filler 65% 35%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected



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Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Non-Asbestos Components (%)	Asbestos Type (%)
1729171-017 11B	Science Bldg Glue, Yellow, Non-homogeneous	LAYER 1 100%	Adhesive Binders/Filler 100%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729171-018 12	Science Bldg Floor Sheeting, Lt. Blue, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Jute Fiber Organic Binders/Filler 20% 20% 60%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729171-019 13	Science Bldg Floor Sheeting, Lt. Blue, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Jute Fiber Organic Binders/Filler 20% 20% 60%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729171-020 14A	Science Bldg 12" Floor Tile, White, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder/ Filler 60% 40%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729171-021 14B	Science Bldg Glue, Yellow, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler 100%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729171-022 15A	Science Bldg 12" Floor Tile, White, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder/ Filler 60% 40%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected



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Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Non-Asbestos Components (%)	Asbestos Type (%)
1729171-023 15B	Science Bldg Glue, Yellow, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler 100%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729171-024 16	Science Bldg HVAC Joint Compound, Gray, Homogeneous	LAYER 1 100%	Cellulose Fiber Binder/Filler 5% 95%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729171-025 17	Science Bldg HVAC Joint Compound, Gray, Homogeneous	LAYER 1 100%	Cellulose Fiber Binder/Filler 5% 95%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729171-026 18	Science Bldg Rectangular Counter Top, Black, Homogeneous	LAYER 1 100%	Non-Fibrous Material 100%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729171-027 19	Science Bldg Rectangular Counter Top, Black, Homogeneous	LAYER 1 100%	Non-Fibrous Material 100%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729171-028 20	Science Bldg Octagon Shaped Counter Top, Black, Homogeneous	LAYER 1 100%	Non-Fibrous Material 100%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected



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Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Non-Asbestos Components (%)	Asbestos Type (%)
1729171-029 21	Science Bldg Octagon Shaped Counter Top, Black, Homogeneous	LAYER 1 100%	Non-Fibrous Material 100%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729171-030 22	Science Bldg Rectangular Counter Top, Blue, Homogeneous	LAYER 1 100%	Non-Fibrous Material 100%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729171-031 23	Science Bldg Rectangular Counter Top, Blue, Homogeneous	LAYER 1 100%	Non-Fibrous Material 100%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729171-032 24	Science Bldg Carpet Glue, Yellow, Homogeneous	LAYER 1 100%	Cellulose Fiber Quartz Adhesive Binders/Filler 3% 22% 75%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729171-033 25	Science Bldg Carpet Glue, Yellow, Homogeneous	LAYER 1 100%	Cellulose Fiber Quartz Adhesive Binders/Filler 5% 25% 70%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729171-034 26	Science Bldg Chalk Board Glue, Yellow, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler 100%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected



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Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Non-Asbestos Components (%)	Asbestos Type (%)
1729171-035 27	Science Bldg Chalk Board Glue, Yellow, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler 100%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729171-036 28	Science Bldg Chalk Board Glue, Yellow, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler 100%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729171-037 29A	Science Bldg Painted Rolled on Roof Core - Membrane, White, Homogeneous	LAYER 1 100%	Non-Fibrous Material 100%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729171-038 29B	Science Bldg Painted Rolled on Roof Core - Layered Felt/Tar, Black, Homogeneous	LAYER 1 100%	Fibrous Glass Cellulose Fiber Bituminous Matrix/Filler 5% 3% 92%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729171-039 30A	Science Bldg Painted Rolled on Roof Core - Membrane, White, Homogeneous	LAYER 1 100%	Non-Fibrous Material 100%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729171-040 30B	Science Bldg Painted Rolled on Roof Core - Layered Felt/Tar, Black, Homogeneous	LAYER 1 100%	Fibrous Glass Cellulose Fiber Bituminous Matrix/Filler 5% 3% 92%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected



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Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Non-Asbestos Components (%)	Asbestos Type (%)
1729171-041 31A	Science Bldg Painted Rolled on Roof Core - Membrane, White, Homogeneous	LAYER 1 100%	Non-Fibrous Material 100%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729171-042 31B	Science Bldg Painted Rolled on Roof Core - Layered Felt/Tar, Black, Homogeneous	LAYER 1 100%	Fibrous Glass Cellulose Fiber Bituminous Matrix/Filler 5% 3% 92%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729171-043 32	Science Bldg Painted Roof Mastic, White/Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix/Filler Other Non-Fibrous Material 10% 40% 50%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729171-044 33	Science Bldg Painted Roof Mastic, White/Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix/Filler Other Non-Fibrous Material 10% 40% 50%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729171-045 34	Science Bldg Painted Roof Mastic, White/Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix/Filler Other Non-Fibrous Material 10% 40% 50%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729171-046 35	Science Bldg New Fume Hood, Gray, Non- homogeneous	LAYER 1 100%	Fibrous Glass Cellulose Fiber Binder/Filler 5% 3% 92%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected



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Toll: 888-207-2022
Tel: 562-206-2770
Fax: 562-206-2773

Alta Environmental
3777 Long Beach Blvd.
Long Beach CA 90807
Attn.: Cesar Ruvalcaba

Report Number 1729171

Project Number SMSD-17-7175

Project Name SAMOHI - Bldg Science

Location

PO Number SMSD-17-7175

WO Number

Date Received 10/17/2017

Date Analyzed 10/20/2017

Date Reported 10/20/2017

Date Sampled 10/09/2017

Sampled By Fabian Ruvalcaba

Total Samples 89

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
1729171-047 36	Science Bldg New Fume Hood, Gray, Non-homogeneous	LAYER 1 100%	Fibrous Glass Cellulose Fiber Binder/Filler	5% 3% 92%	None Detected	
Asbestos Present No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
1729171-048 37A	Science Bldg 12" Floor Tile, Blue, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder/ Filler	65% 35%	None Detected	
Asbestos Present No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
1729171-049 37B	Science Bldg Glue, Yellow, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler	100%	None Detected	
Asbestos Present No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
1729171-050 38A	Science Bldg 12" Floor Tile, Blue, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder/ Filler	65% 35%	None Detected	
Asbestos Present No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
1729171-051 38B	Science Bldg Glue, Yellow, Homogeneous	LAYER 1 100%	Cellulose Fiber Adhesive Binders/Filler	<1% 100%	None Detected	
Asbestos Present No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
1729171-052 39A	Science Bldg 12" Floor Tile, Blue, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder/ Filler	65% 35%	None Detected	
Asbestos Present No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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Report Number 1729171

Project Number SMSD-17-7175
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Location
PO Number SMSD-17-7175
WO Number

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Date Sampled 10/09/2017
Sampled By Fabian Ruvalcaba
Total Samples 89

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Non-Asbestos Components (%)	Asbestos Type (%)
1729171-053 39B	Science Bldg Glue, Yellow, Non-homogeneous	LAYER 1 100%	Adhesive Binders/Filler 100%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729171-054 40A	Science Bldg 12" Floor Tile, Gray, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder/ Filler 65% 35%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729171-055 40B	Science Bldg Glue, Yellow, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler 100%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729171-056 41A	Science Bldg 12" Floor Tile, Gray, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder/ Filler 65% 35%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729171-057 41B	Science Bldg Glue, Yellow, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler 100%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729171-058 42A	Science Bldg 12" Floor Tile, Gray, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder/ Filler 65% 35%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected



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Report Number 1729171

Project Number SMSD-17-7175
Project Name SAMOHI - Bldg Science
Location
PO Number SMSD-17-7175
WO Number

Date Received 10/17/2017
Date Analyzed 10/20/2017
Date Reported 10/20/2017

Date Sampled 10/09/2017
Sampled By Fabian Ruvalcaba
Total Samples 89

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Non-Asbestos Components (%)	Asbestos Type (%)
1729171-059 42B	Science Bldg Glue, Yellow, Non-homogeneous	LAYER 1 100%	Adhesive Binders/Filler 100%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729171-060 43	Science Bldg Stucco, Gray/White, Non-homogeneous	LAYER 1 100%	Calcium Carbonate Quartz Other Non-Fibrous Material 25% 45% 30%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729171-061 44	Science Bldg Stucco, Gray/White, Non-homogeneous	LAYER 1 100%	Calcium Carbonate Quartz Other Non-Fibrous Material 30% 40% 30%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729171-062 45	Science Bldg Stucco, Gray/White, Non-homogeneous	LAYER 1 100%	Calcium Carbonate Quartz Other Non-Fibrous Material 30% 40% 30%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729171-063 46	Science Bldg Stucco, Gray/White, Non-homogeneous	LAYER 1 100%	Synthetic Fiber Calcium Carbonate Quartz Other Non-Fibrous Material <1% 25% 45% 30%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected



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Report Number 1729171

Project Number SMSD-17-7175
Project Name SAMOHI - Bldg Science
Location
PO Number SMSD-17-7175
WO Number

Date Received 10/17/2017
Date Analyzed 10/20/2017
Date Reported 10/20/2017

Date Sampled 10/09/2017
Sampled By Fabian Ruvalcaba
Total Samples 89

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
1729171-064 47	Science Bldg Stucco, Gray/White, Non-homogeneous	LAYER 1 100%	Synthetic Fiber Calcium Carbonate Quartz Other Non-Fibrous Material	<1% 25% 45% 30%	None Detected	
Asbestos Present No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
1729171-065 48	Science Bldg Barrier Paper, Brown, Homogeneous	LAYER 1 100%	Cellulose Fiber Binder/Filler	95% 5%	None Detected	
Asbestos Present No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
1729171-066 49	Science Bldg Barrier Paper, Brown, Homogeneous	LAYER 1 100%	Cellulose Fiber Binder/Filler	95% 5%	None Detected	
Asbestos Present No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
1729171-067 50	Science Bldg Barrier Paper, Brown, Homogeneous	LAYER 1 100%	Cellulose Fiber Binder/Filler	95% 5%	None Detected	
Asbestos Present No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
1729171-068 51	Science Bldg Window Putty, Gray, Non-homogeneous	LAYER 1 100%	Calcium Carbonate Binder/Filler	90% 10%	None Detected	
Asbestos Present No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
1729171-069 52	Science Bldg Window Putty, Gray, Non-homogeneous	LAYER 1 100%	Calcium Carbonate Binder/Filler	90% 10%	None Detected	
Asbestos Present No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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Report Number 1729171

Date Received 10/17/2017

Date Analyzed 10/20/2017

Date Reported 10/20/2017

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Project Number SMSD-17-7175

Project Name SAMOHI - Bldg Science

Location

PO Number SMSD-17-7175

WO Number

Date Sampled 10/09/2017

Sampled By Fabian Ruvalcaba

Total Samples 89

Test Report

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
1729171-070 53	Science Bldg Window Putty, Gray, Non- homogeneous	LAYER 1 100%	Calcium Carbonate Binder/Filler	90% 10%	None Detected	
Asbestos Present No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
1729171-071 54	Science Bldg Window Caulking, Brown/Gray, Non- homogeneous	LAYER 1 100%	Calcium Carbonate Binder/Filler	90% 10%	None Detected	
Asbestos Present No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
1729171-072 55	Science Bldg Window Caulking, Brown/Gray, Non- homogeneous	LAYER 1 100%	Calcium Carbonate Binder/Filler	90% 10%	None Detected	
Asbestos Present No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
1729171-073 56	Science Bldg Window Caulking, Brown/Gray, Non- homogeneous	LAYER 1 100%	Calcium Carbonate Binder/Filler	90% 10%	None Detected	
Asbestos Present No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
1729171-074 57	Science Bldg Door Caulking, White, Non- homogeneous	LAYER 1 100%	Calcium Carbonate Binder/Filler	85% 15%	None Detected	
Asbestos Present No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
1729171-075 58	Science Bldg Door Caulking, Beige, Non- homogeneous	LAYER 1 100%	Calcium Carbonate Binder/Filler	85% 15%	None Detected	
Asbestos Present No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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Report Number 1729171

Date Received 10/17/2017

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Project Number SMSD-17-7175

Project Name SAMOHI - Bldg Science

Location

PO Number SMSD-17-7175

WO Number

Date Sampled 10/09/2017

Sampled By Fabian Ruvalcaba

Total Samples 89

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
1729171-076 59	Science Bldg Door Caulking, White, Non-homogeneous	LAYER 1 100%	Calcium Carbonate Binder/Filler	85% 15%	None Detected	
Asbestos Present No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
1729171-077 60	Science Bldg Texture Coating, White, Non-homogeneous	LAYER 1 100%	Calcium Carbonate Mica Binder/Filler	80% 5% 15%	None Detected	
Asbestos Present No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
1729171-078 61	Science Bldg Texture Coating, White, Non-homogeneous	LAYER 1 100%	Calcium Carbonate Binder/Filler	50% 50%	None Detected	
Asbestos Present No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
1729171-079 62	Science Bldg Texture Coating, White, Non-homogeneous	LAYER 1 100%	Calcium Carbonate Binder/Filler	85% 15%	None Detected	
Asbestos Present No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
1729171-080 63	Science Bldg Texture Coating, White, Non-homogeneous	LAYER 1 100%	Calcium Carbonate Binder/Filler	85% 15%	None Detected	
Asbestos Present No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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Report Number 1729171

Project Number SMSD-17-7175
Project Name SAMOHI - Bldg Science
Location
PO Number SMSD-17-7175
WO Number

Date Received 10/17/2017
Date Analyzed 10/20/2017
Date Reported 10/20/2017

Date Sampled 10/09/2017
Sampled By Fabian Ruvalcaba
Total Samples 89

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
1729171-081 64	Science Bldg Texture Coating, White, Non-homogeneous	LAYER 1 100%	Calcium Carbonate Binder/Filler	40% 60%	None Detected	
Asbestos Present No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
1729171-082 65	Science Bldg Texture Coating, White/Blue/Orange, Non-homogeneous	LAYER 1 100%	Calcium Carbonate Binder/Filler	50% 50%	None Detected	
Asbestos Present No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
1729171-083 66	Science Bldg Texture Coating, White/Blue/Orange, Non-homogeneous	LAYER 1 100%	Calcium Carbonate Binder/Filler	30% 70%	None Detected	
Asbestos Present No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
1729171-084 67	Science Bldg Painted Sheet Roofing, White, Non-homogeneous	LAYER 1 100%	Synthetic Fiber Non-Fibrous Material	10% 90%	None Detected	
Asbestos Present No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
1729171-085 68	Science Bldg Painted Sheet Roofing, White, Non-homogeneous	LAYER 1 100%	Synthetic Fiber Non-Fibrous Material	10% 90%	None Detected	
Asbestos Present No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
1729171-086 69	Science Bldg Painted Sheet Roofing, White, Non-homogeneous	LAYER 1 100%	Synthetic Fiber Non-Fibrous Material	10% 90%	None Detected	
Asbestos Present No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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Project Name SAMOHI - Bldg Science
Location
PO Number SMSD-17-7175
WO Number

Date Received 10/17/2017
Date Analyzed 10/20/2017
Date Reported 10/20/2017


Date Sampled 10/09/2017
Sampled By Fabian Ruvalcaba
Total Samples 89

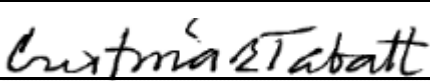
Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Non-Asbestos Components (%)	Asbestos Type (%)
1729171-187 70	Science Bldg Vibration Reducer, Black, Homogeneous	LAYER 1 100%	Synthetic Fiber Non-Fibrous Material 5% 95%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729171-188 71	Science Bldg Vibration Reducer, Black, Homogeneous	LAYER 1 100%	Synthetic Fiber Non-Fibrous Material 5% 95%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729171-189 72	Science Bldg Vibration Reducer, Black, Homogeneous	LAYER 1 100%	Synthetic Fiber Non-Fibrous Material 5% 95%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected

Method Detection Limit: Less than one percent (<1%). Asbestos content has been determined using calibrated visual estimation (CVES). Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. Due to PLM limitations, results on samples with None Detected or samples with low asbestos concentrations may not be reliable and further analysis such as TEM is recommended to confirm PLM results. This report shall not be reproduced except in full without the written approval of this laboratory. This report may not be used by the customer to claim product certification, endorsement, or approval by NIST/NVLAP or any agency of the government. Samples shall be disposed according to local, state and federal laws, 30 days after results are reported.


Analyst - Fred Chappellear


Approved Signatory Cristina E. Tabatt


Lab Code 500044-0



CHAIN OF CUSTODY

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Signal Hill, CA 90755
562-206-2770 Tel
562-206-2773 Fax
services@AQenvlabs.com

(Lab) Order No. 1729171

CUSTOMER INFORMATION		Turnaround Time	Shipped By	Report Send Via:
Company	Alta Environmental	Same Day <input type="checkbox"/>	Fedex <input type="checkbox"/>	Web <input type="checkbox"/>
Address	3777 Long Beach Boulevard	1 Day <input type="checkbox"/>	UPS <input type="checkbox"/>	Email <input type="checkbox"/>
City/State/Zip	Long Beach, CA 90807	2 Day <input type="checkbox"/>	USPS <input type="checkbox"/>	Fax <input type="checkbox"/>
Contact	C. Ruvalcaba	3 Day <input checked="" type="checkbox"/>	Drop Off <input type="checkbox"/>	Verbal <input type="checkbox"/>
Office Phone	562/ 495-5777	5 Day <input type="checkbox"/>	Drop Box <input type="checkbox"/>	Mail <input type="checkbox"/>
Cell		Weekend <input type="checkbox"/>	Other <input type="checkbox"/>	Pick up <input type="checkbox"/>
Fax	562/ 495-5877	Special Instructions:		
Email				

PROJECT INFORMATION	
Project Name:	SAMOH T - Bldg Science
Project Number:	SMSD-17-7175
Location:	
PO Number:	SMSD-17-7175
Work Order No.:	
Sampled By:	Fabian Ruvalcaba

PLM	PCM	MOLD	LEAD (Pb)
PLM EPA 600/R-93/116 <input checked="" type="checkbox"/>	NIOSH 7400A <input type="checkbox"/>	Spore Trap <input type="checkbox"/>	Air <input type="checkbox"/> TTLC <input type="checkbox"/>
PLM 400 Pt. Count (<0.25%) <input type="checkbox"/>	NIOSH 7400B <input type="checkbox"/>	Tape Lift <input type="checkbox"/>	Paint <input type="checkbox"/> STLC <input type="checkbox"/>
PLM 1000 Pt. Count (<0.1%) <input type="checkbox"/>	w/ TWA <input type="checkbox"/>	Bulk Sample <input type="checkbox"/>	Wipe <input type="checkbox"/> TCLP <input type="checkbox"/>
			Soil <input type="checkbox"/>

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time Stop Time	Avg Flow Rate	Volume (L)
01	Drywall Jt. Long	Science Bldg	10-9-17			
2						
3						
4						
5						
5A	Drywall					
5B	Composite - Drywall w/ Glue					
6	2' x 2' Smooth Punchhole Ceiling Panel					
7						
8	12" Lt. Grey Floor tile w/ Glue					

Relinquished By: Fabian Ruvalcaba	Received By: [Signature]
Date/Time: 10/17/17 17:05	Date/Time: 10/17/17 17:05

CHAIN OF CUSTODY

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Company: Alta Environmental
Project Number: 0 SMSD-17-7175
Project Name: 0

(Lab) Order No. 1729171

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time Stop Time	Avg Flow Rate	Volume (L)
9	12" Lt. Gray floor tile w/ blue	Science Bldg	10-9-17			
10	12" Gray Speckled F.T. w/ blue					
11	↓					
12	Lt. Blue floor sheeting					
13	↓					
14	12" White floor tile w/ blue					
15	↓					
16	Hvac Jt. Comp					
17	↓					
18	Rectangular Counter Top					
19	↓					
20	Octagon shaped Counter top					
21	↓					
22	Blue Rectangular Counter top					
23	↓					
24	Carpet Blue					
25	↓					
26	Chalk Board Blue					
27	↓					
28	↓					

Relinquished By: Fabian Ruvalcaba

Received By: [Signature]

Date/Time:

Date/Time: 10/17/17 17:05

Lab Forms
Ver. 082411

CHAIN OF CUSTODY

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Company: Alta Environmental
Project Number: 0 SUMSD-17-7175
Project Name: 0

(Lab) Order No. 1729171

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time Stop Time	Avg Flow Rate	Volume (L)
29	White Painted Polled on Roof Case	Science Bldg	10-9-17			
30	↓					
31	↓					
32	White Painted Roof Master					
33	↓					
34	↓					
35	New fume Hood					
36	↓					
37	12" Blue floor tile w/ Yellow Glue					
38	↓					
39	↓					
40	12" Grey floor tile w/ Yellow Glue					
41	↓					
42	↓					
43	Stucco					
44	↓					
45	↓					
46	↓					
47	↓					
48	Barrier Paper					
49	↓					
50	↓					
51	Window Patten					
52	↓					
53	↓					
54	Window Caulking					
55	↓					
56	↓					

Relinquished By: Fabian Ruvalcaba

Received By: *Omme Snow*

Date/Time:

Date/Time: 10/17/17 17:05

Lab Forms
Ver. 082411

CHAIN OF CUSTODY

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Company: Alta Environmental

Project Number: 0 SUSD-17-7175

Project Name: 0

(Lab) Order No. 1729171

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time Stop Time	Avg Flow Rate	Volume (L)
57	Door Caulking	Science Bldg	10-9-17			
58						
59						
60	Texture Coating					
61						
62						
63						
64						
65						
66						
67	White Painted sheet Roofing					
68						
69						
70	Vibration Reducer					
71						
72						

Relinquished By: Fabian Ruvalcaba

Received By: [Signature]

Date/Time:

Date/Time:

10/17/17 17:05

Lab Forms
Ver. 082411



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Alta Environmental
3777 Long Beach Blvd.
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Attn.: Cesar Ruvalcaba

Report Number 1729169

Date Received 10/17/2017

Date Analyzed 10/20/2017

Date Reported 10/20/2017

Project Number SMSD-17-7175

Project Name SAMOHI - Tech Bldg

Location

PO Number SMSD-17-7175

WO Number

Date Sampled 10/09/2017

Sampled By F.R.

Total Samples 62

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
1729169-001 1A	Tech Bldg 4" Covebase, Black, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 60%	None Detected	
Asbestos Present No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
1729169-002 1B	Tech Bldg Glue, Cream, Homogeneous	LAYER 1 100%	Organic Binders/Filler	100%	None Detected	
Asbestos Present No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
1729169-003 2A	Tech Bldg 4" Covebase, Black, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	40% 60%	None Detected	
Asbestos Present No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
1729169-004 2B	Tech Bldg Glue, Cream, Homogeneous	LAYER 1 100%	Organic Binders/Filler	100%	None Detected	
Asbestos Present No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
1729169-005 3	Tech Bldg Gypsum Board Wall, White/ Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Gypsum/Filler	20% <1 80%	None Detected	
Asbestos Present No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
1729169-006 4	Tech Bldg 2'x2' Smooth Pinhole Ceiling Panel, White/ Beige, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Mineral Wool Perlite Binder/Filler	30% 25% 40% 5%	None Detected	
Asbestos Present No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
1729169-007 5	Tech Bldg 2'x2' Smooth Pinhole Ceiling Panel, White/ Beige, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Mineral Wool Perlite Binder/Filler	30% 25% 40% 5%	None Detected	
Asbestos Present No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
1729169-008 6	Tech Bldg 2'x4' Fissured Sq. Pattern Ceiling Panel, White/ Beige, Non- homogeneous	LAYER 1 100%	Cellulose Fiber Mineral Wool Perlite	25% 35% 35%	None Detected	
Asbestos Present No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
1729169-009 7	Tech Bldg 2'x4' Fissured Sq. Pattern Ceiling Panel, White/ Beige, Non- homogeneous	LAYER 1 100%	Cellulose Fiber Mineral Wool Perlite	25% 35% 35%	None Detected	
Asbestos Present No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
1729169-010 8A	Tech Bldg LAYER 1 Floor Sheeting, Blue, Homogeneous	LAYER 1 80%	Cellulose Fiber Vinyl Binder/ Filler	35% 65%	None Detected	
	LAYER 2 Backing, Brown, Homogeneous	LAYER 2 20%	Jute Fiber	100%	None Detected	
Asbestos Present No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
1729169-011 8B	Tech Bldg Glue, Brown, Homogeneous	LAYER 1 100%	Organic Binders/Filler	100%	None Detected	
Asbestos Present No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Non-Asbestos Components (%)	Asbestos Type (%)
1729169-012 9A	Tech Bldg LAYER 1 Floor Sheeting, Blue, Homogeneous	LAYER 1 80%	Cellulose Fiber Vinyl Binder/ Filler	35% 65%
	LAYER 2 Backing, Brown, Homogeneous	LAYER 2 20%	Jute Fiber	100%
	Asbestos Present No	Total % Non-Asbestos:		100.0% Total %Asbestos: No Asbestos Detected
1729169-013 9B	Tech Bldg Glue, Brown, Homogeneous	LAYER 1 100%	Organic Binders/Filler	100%
	Asbestos Present No	Total % Non-Asbestos:		100.0% Total %Asbestos: No Asbestos Detected
1729169-014 10A	Tech Bldg 12" Speckled Floor Tile, White, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	65% 35%
	Asbestos Present No	Total % Non-Asbestos:		100.0% Total %Asbestos: No Asbestos Detected
1729169-015 10B	Tech Bldg Glue, Yellow, Homogeneous	LAYER 1 100%	Organic Binders/Filler	100%
	Asbestos Present No	Total % Non-Asbestos:		100.0% Total %Asbestos: No Asbestos Detected
1729169-016 11A	Tech Bldg 12" Speckled Floor Tile, White, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	65% 35%
	Asbestos Present No	Total % Non-Asbestos:		100.0% Total %Asbestos: No Asbestos Detected
1729169-017 11B	Tech Bldg Glue, Yellow, Homogeneous	LAYER 1 100%	Organic Binders/Filler	100%
	Asbestos Present No	Total % Non-Asbestos:		100.0% Total %Asbestos: No Asbestos Detected



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Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
1729169-018 12A	Tech Bldg 12" Speckled Floor Tile, Gray (Blue), Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	60% 40%	None Detected	
Asbestos Present No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
1729169-019 12B	Tech Bldg Glue, Yellow, Homogeneous	LAYER 1 100%	Organic Binders/Filler	100%	None Detected	
Asbestos Present No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
1729169-020 13A	Tech Bldg 12" Speckled Floor Tile, Gray (Blue), Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	60% 40%	None Detected	
Asbestos Present No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
1729169-021 13B	Tech Bldg Glue, Yellow, Homogeneous	LAYER 1 100%	Organic Binders/Filler	100%	None Detected	
Asbestos Present No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
1729169-022 14	Tech Bldg Rectangular Counter Tops, Black, Homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
Asbestos Present No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
1729169-023 15	Tech Bldg Rectangular Counter Tops, Black, Homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
Asbestos Present No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Non-Asbestos Components (%)	Asbestos Type (%)
1729169-024 16	Tech Bldg Octagon Shape Lab Counters, Black, Homogeneous	LAYER 1 100%	Non-Fibrous Material 100%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729169-025 17	Tech Bldg Octagon Shape Lab Counters, Black, Homogeneous	LAYER 1 100%	Non-Fibrous Material 100%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729169-026 18	Tech Bldg Dash Coat on Concrete, White, Non-homogeneous	LAYER 1 100%	Quartz Calcium Carbonate Binder/Filler 15% 60% 25%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729169-027 19	Tech Bldg Dash Coat on Concrete, White, Non-homogeneous	LAYER 1 100%	Quartz Calcium Carbonate Binder/Filler 15% 60% 25%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729169-028 20	Tech Bldg Dash Coat on Concrete, White, Non-homogeneous	LAYER 1 100%	Quartz Calcium Carbonate Binder/Filler 15% 60% 25%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected



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1729169-029 21	Tech Bldg Dash Coat on Concrete, White, Non-homogeneous	LAYER 1 100%	Quartz Calcium Carbonate Binder/Filler	20% 50% 30%	None Detected	
Asbestos Present No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
1729169-030 22	Tech Bldg Dash Coat on Concrete, White, Non-homogeneous	LAYER 1 100%	Quartz Calcium Carbonate Binder/Filler	15% 60% 25%	None Detected	
Asbestos Present No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
1729169-031 23	Tech Bldg Dash Coat on Concrete, White, Non-homogeneous	LAYER 1 100%	Quartz Calcium Carbonate Binder/Filler	15% 60% 25%	None Detected	
Asbestos Present No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
1729169-032 24	Tech Bldg Dash Coat on Concrete, White, Non-homogeneous	LAYER 1 100%	Quartz Calcium Carbonate Binder/Filler	15% 55% 30%	None Detected	
Asbestos Present No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
1729169-033 25	Tech Bldg Barrier Paper, Brown/Black, Homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	75% 25%	None Detected	
Asbestos Present No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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1729169-034 26	Tech Bldg Barrier Paper, Brown/Black, Homogeneous	LAYER 1 100%	Cellulose Fiber 80% Bituminous Matrix 20%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729169-035 27	Tech Bldg Barrier Paper, Brown/Black, Homogeneous	LAYER 1 100%	Cellulose Fiber 80% Bituminous Matrix 20%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729169-036 28	Tech Bldg Stucco, Beige/ White/Gray, Non- homogeneous	LAYER 1 100%	Quartz 25% Calcium Carbonate 45% Binder/Filler 30%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729169-037 29	Tech Bldg Stucco, Beige/White/ Gray, Non- homogeneous	LAYER 1 100%	Quartz 45% Calcium Carbonate 35% Binder/Filler 20%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729169-038 30	Tech Bldg Stucco, Beige/White/ Gray, Non- homogeneous	LAYER 1 100%	Quartz 45% Calcium Carbonate 35% Binder/Filler 20%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected



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Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
1729169-039 31	Tech Bldg Stucco, Beige/White/ Gray, Non-homogeneous	LAYER 1 100%	Quartz Calcium Carbonate Binder/Filler	40% 35% 25%	None Detected	
Asbestos Present No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
1729169-040 32	Tech Bldg Stucco, Beige/White/ Gray, Non-homogeneous	LAYER 1 100%	Quartz Calcium Carbonate Binder/Filler	35% 25% 40%	None Detected	
Asbestos Present No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
1729169-041 33A	Tech Bldg Painted Roof Core- Felt/Tar (layered), Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Bituminous Matrix/Filler	5% 15% 80%	None Detected	
Asbestos Present No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
1729169-042 33B	Tech Bldg Painted Roof Core- Insulation, Brown, Homogeneous	LAYER 1 100%	Wood Fiber	100%	None Detected	
Asbestos Present No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
1729169-043 34A	Tech Bldg Painted Roof Core- Felt/Tar (layered), White/ Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Bituminous Matrix/Filler	<1% 20% 80%	None Detected	
Asbestos Present No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
1729169-044 34B	Tech Bldg Painted Roof Core- Insulation, Brown, Homogeneous	LAYER 1 100%	Wood Fiber	100%	None Detected	
Asbestos Present No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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1729169-045 34C	Tech Bldg Painted Roof Core- Felt/Tar (layered), Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber 5% Fibrous Glass 15% Bituminous Matrix/Filler 80%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729169-046 35A	Tech Bldg Painted Roof Core- Felt/Tar (layered), Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber 5% Fibrous Glass 15% Bituminous Matrix/Filler 80%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729169-047 35B	Tech Bldg Painted Roof Core- Insulation, Brown, Homogeneous	LAYER 1 100%	Wood Fiber 100%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729169-048 36	Tech Bldg Insulation, Brown, Homogeneous	LAYER 1 100%	Wood Fiber 100%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729169-049 37	Tech Bldg Insulation, Brown, Homogeneous	LAYER 1 100%	Wood Fiber 100%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729169-050 38	Tech Bldg Insulation, Brown, Homogeneous	LAYER 1 100%	Wood Fiber 100%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected



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1729169-051 39	Tech Bldg Painted Roof Mastic, White/ Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix Binder/Filler	<1% 95% 5%	None Detected	
Asbestos Present No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
1729169-052 40	Tech Bldg Painted Roof Mastic, White/ Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix Binder/Filler	<1% 95% 5%	None Detected	
Asbestos Present No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
1729169-053 41	Tech Bldg Painted Roof Mastic, White/ Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix Binder/Filler	<1% 95% 5%	None Detected	
Asbestos Present No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
1729169-054 42	Tech Bldg Duct Sealant, Gray, Homogeneous	LAYER 1 100%	Organic Binders/Filler	100%	None Detected	
Asbestos Present No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
1729169-055 43	Tech Bldg Duct Sealant, Gray, Homogeneous	LAYER 1 100%	Organic Binders/Filler	100%	None Detected	
Asbestos Present No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected
1729169-056 44	Tech Bldg Duct Sealant, Gray, Homogeneous	LAYER 1 100%	Organic Binders/Filler	100%	None Detected	
Asbestos Present No		Total % Non-Asbestos:		100.0%	Total %Asbestos:	No Asbestos Detected



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1729169-057 45	Tech Bldg Painted Parapet Roofing, White, Non-homogeneous	LAYER 1 100%	Synthetic Fiber Vinyl Binder/ Filler 15% 85%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729169-057 46	Tech Bldg Painted Parapet Roofing, White, Non-homogeneous	LAYER 1 100%	Synthetic Fiber Vinyl Binder/ Filler 15% 85%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729169-059 47	Tech Bldg Painted Parapet Roofing, White, Non-homogeneous	LAYER 1 100%	Synthetic Fiber Vinyl Binder/ Filler 15% 85%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729169-060 48	Tech Bldg Non Skid Flooring, Green (Gray), Homogeneous	LAYER 1 100%	Quartz Binder/Filler 60% 40%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729169-061 49	Tech Bldg Non Skid Flooring, Green (Gray), Homogeneous	LAYER 1 100%	Quartz Binder/Filler 60% 40%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected
1729169-062 50	Tech Bldg Non Skid Flooring, Green (Gray), Homogeneous	LAYER 1 100%	Quartz Binder/Filler 60% 40%	None Detected
Asbestos Present No		Total % Non-Asbestos: 100.0%		Total %Asbestos: No Asbestos Detected



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Total Samples 62

Test Report

Laboratory ID	Sample Location	Layer No.	Non-Asbestos	Asbestos
Sample No.	Description	Layer %	Components (%)	Type (%)

Method Detection Limit: Less than one percent (<1%). Asbestos content has been determined using calibrated visual estimation (CVES). Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. Due to PLM limitations, results on samples with None Detected or samples with low asbestos concentrations may not be reliable and further analysis such as TEM is recommended to confirm PLM results. This report shall not be reproduced except in full without the written approval of this laboratory. This report may not be used by the customer to claim product certification, endorsement, or approval by NIST/NVLAP or any agency of the government. Samples shall be disposed according to local, state and federal laws, 30 days after results are reported.

Analyst - Cristina Tabatt

Approved Signatory Cristina E. Tabatt



CHAIN OF CUSTODY

1508 E. 33rd Street
Signal Hill, CA 90755
562-206-2770 Tel
562-206-2773 Fax
services@AQenvlabs.com

(Lab) Order No. 1729169

CUSTOMER INFORMATION		Turnaround Time	Shipped By	Report Send Via:
Company	<u>Alta Buena</u>	Same Day <input type="checkbox"/>	Fedex <input type="checkbox"/>	Web <input type="checkbox"/>
Address	<u>3777 Long Beach Blvd</u>	1 Day <input type="checkbox"/>	UPS <input type="checkbox"/>	Email <input type="checkbox"/>
City/State/Zip	<u>Long Beach Ca</u>	2 Day <input type="checkbox"/>	USPS <input type="checkbox"/>	Fax <input type="checkbox"/>
Contact	<u>C. Buena/CCH</u>	3 Day <input checked="" type="checkbox"/>	Drop Off <input type="checkbox"/>	Verbal <input type="checkbox"/>
Office Phone		5 Day <input type="checkbox"/>	Drop Box <input type="checkbox"/>	Mail <input type="checkbox"/>
Cell		Weekend <input type="checkbox"/>	Other <input type="checkbox"/>	Pick up <input type="checkbox"/>
Fax		Special Instructions:		
Email				

PROJECT INFORMATION	
Project Name:	<u>SANCTI - Tech Bldg</u>
Project Number:	<u>SMSD-17-7175</u>
Location:	
PO Number:	<u>SMSD-17-7175</u>
Work Order No.:	
Sampled By:	<u>FB</u>

PLM	PCM	MOLD	LEAD (Pb)
PLM EPA 600/M4-82-020 <input checked="" type="checkbox"/>	NIOSH 7400A <input type="checkbox"/>	Spore Trap <input type="checkbox"/>	Air <input type="checkbox"/> TTLC <input type="checkbox"/>
PLM 400 Pt. Count (<0.25%) <input type="checkbox"/>	NIOSH 7400B <input type="checkbox"/>	Tape Lift <input type="checkbox"/>	Paint <input type="checkbox"/>
PLM 1000 Pt. Count (<0.1%) <input type="checkbox"/>	w/ TWA <input type="checkbox"/>	Bulk Sample <input type="checkbox"/>	Wipe <input type="checkbox"/>
		Swab <input type="checkbox"/>	Soil <input type="checkbox"/>

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time Stop Time	Avg Flow Rate	Volume (L)
1	4" Black Covebase w/ Glue	Tech Bldg	10-9-17			
2	L					
3	Gypsum board wall					
4	2'x2' smooth Pinhole ceiling panel					
5	L					
6	2'x4' Fissured square Pattern ceiling panel					
7	L					
8	Lt. Blue floor sheeting					
9	L					
10	12" white speckled Floor tile w/ Glue					

Relinquished By: <u>[Signature]</u>	Received By: <u>Amie Brown</u>
Date/Time:	Date/Time: <u>10/17/17 17:05</u>
Relinquished By: <u>Jge</u>	Received By:
Date/Time:	Date/Time:

CHAIN OF CUSTODY

1508 E. 33rd Street
Signal Hill, CA 90755
562-206-2770 Tel
562-206-2773 Fax
services@AQenvlabs.com



Company: Alta Environmental

Project Number: 0 SMSD-17-7175

Project Name: 0

(Lab) Order No. 1729169

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time Stop Time	Avg Flow Rate	Volume (L)
11	12" white speckled Floortile w/Glue	Tech Bldg	10-9-17			
12	12" Gray speckled Floortile w/Glue					
13	└					
14	Rectangular Counter tops					
15	└					
16	octagon shape Lab counters					
17	└					
18	Dash coat on concrete					
19	└					
20						
21						
22						
23						
24	└					
25	Barrier Paper					
26	└					
27	└					
28	Stucco					
29	└					
30	└					

Relinquished By: Fabian Ruvalcaba

Date/Time: _____

Received By: OmniPhon

Date/Time: 10/17/17 17:05

CHAIN OF CUSTODY

1508 E. 33rd Street
Signal Hill, CA 90755
562-206-2770 Tel
562-206-2773 Fax
services@AQenvlabs.com



Company: Alta Environmental
Project Number: 0 SMSD-17-7175
Project Name: 0

(Lab) Order No. 1729169

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time Stop Time	Avg Flow Rate	Volume (L)
31	Stucco	Tech Bldg	10-9-17			
32	↓					
33	White Painted Root core					
34	↓					
35	↓					
36	Brown Insulation					
37	↓					
38	↓					
39	White Painted Root Mastic					
40	↓					
41	↓					
42	Gray Duct Sealant					
43	↓					
44	↓					
45	White Painted Paved Roofs					
46	↓					
47	↓					
48	Green Non skid flooring					
49	↓					
50	↓					

Relinquished By: Fabian Ruvalcaba

Received By: [Signature]

Date/Time:

Date/Time:

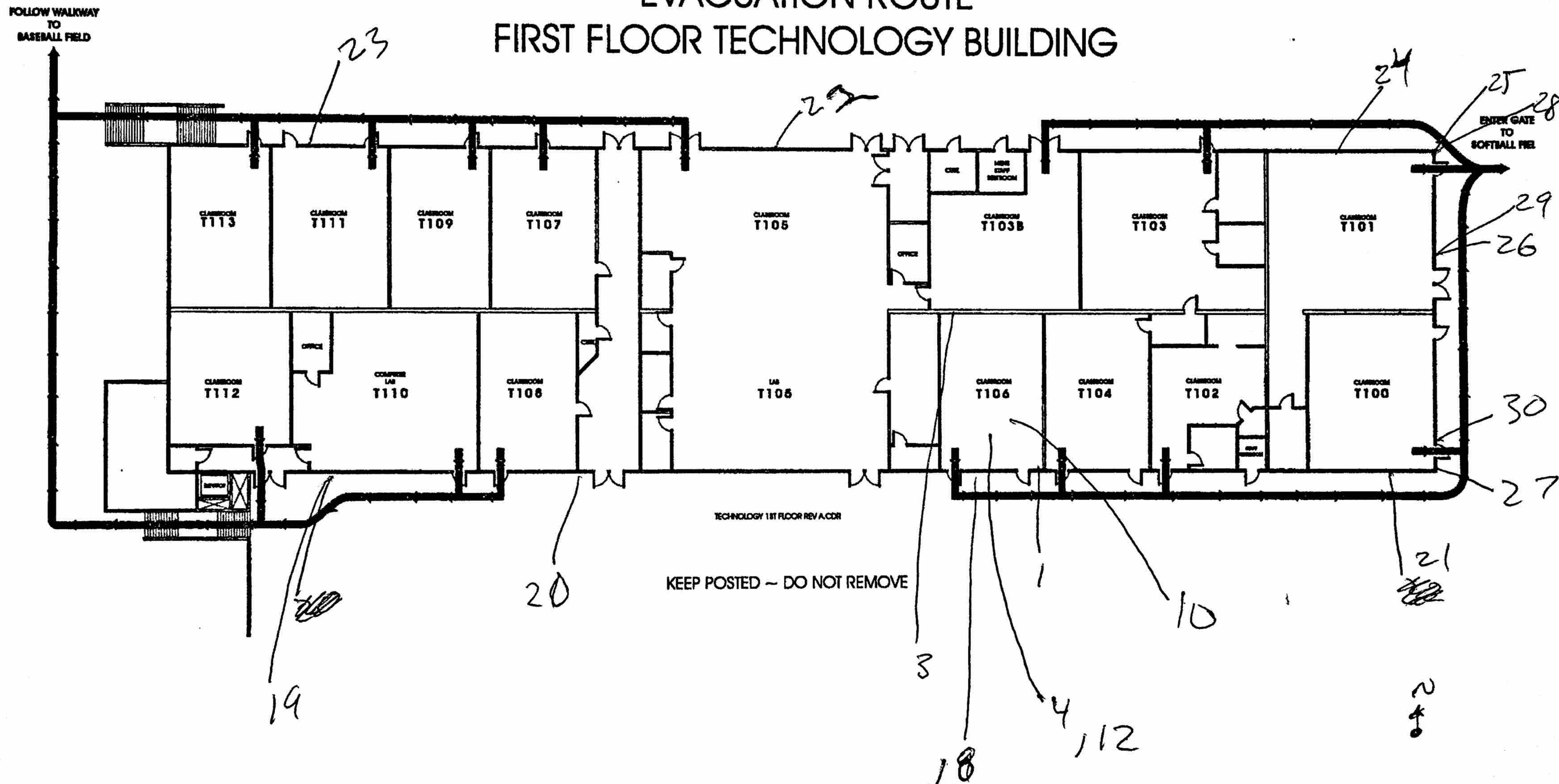
10/17/17 17:05

Lab Forms
Ver. 082411

Appendix C

Sample Location Map: Asbestos

EVACUATION ROUTE FIRST FLOOR TECHNOLOGY BUILDING



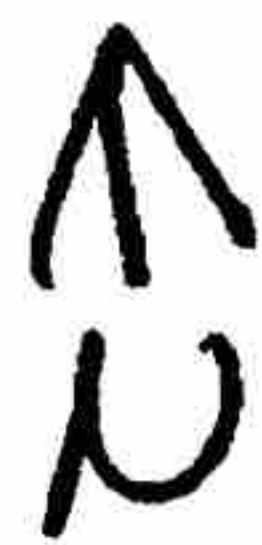
**EVACUATION ROUTE
SECOND FLOOR TECHNOLOGY BUILDING**

Handwritten numbers on the map: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50.

Room labels: CLASSROOM T219, CLASSROOM T217, CLASSROOM T215, CLASSROOM T213, T211B, T211C, T211D, T211A, NURSE OFFICE, CLASSROOM T209, CLASSROOM T207, CLASSROOM T205, CLASSROOM T203, CLASSROOM T201, CLASSROOM T214, CLASSROOM T212, T210A, CLASSROOM T210, CLASSROOM T208, BOYS RESTROOM, GIRLS RESTROOM, CLASSROOM T206, T205P, CLASSROOM T204, T203P, CLASSROOM T202, CLASSROOM T200.

Other labels: FOLLOW WALKWAY TO BASEBALL FIELD, ENTER GATE TO SOFTBALL FIELD, SOFTBALL FIELD, WORKSLOWLY AND FLOOR IS ALICE, KEEP POSTED - DO NOT REMOVE.

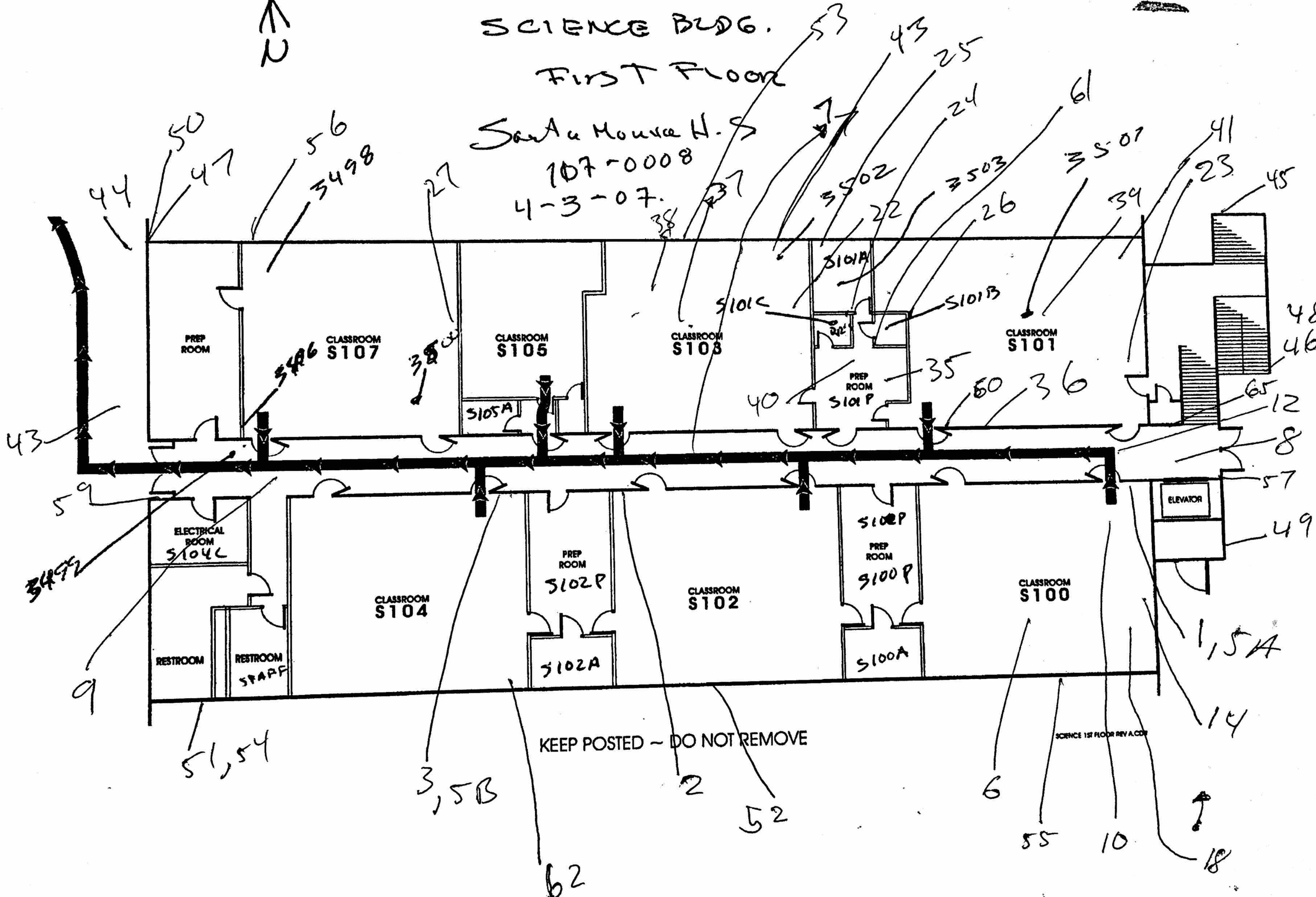
KEEP POSTED - DO NOT REMOVE



SCIENCE BLDG.

FIRST FLOOR

Santa Monica H.S.
107-0008
4-3-07.



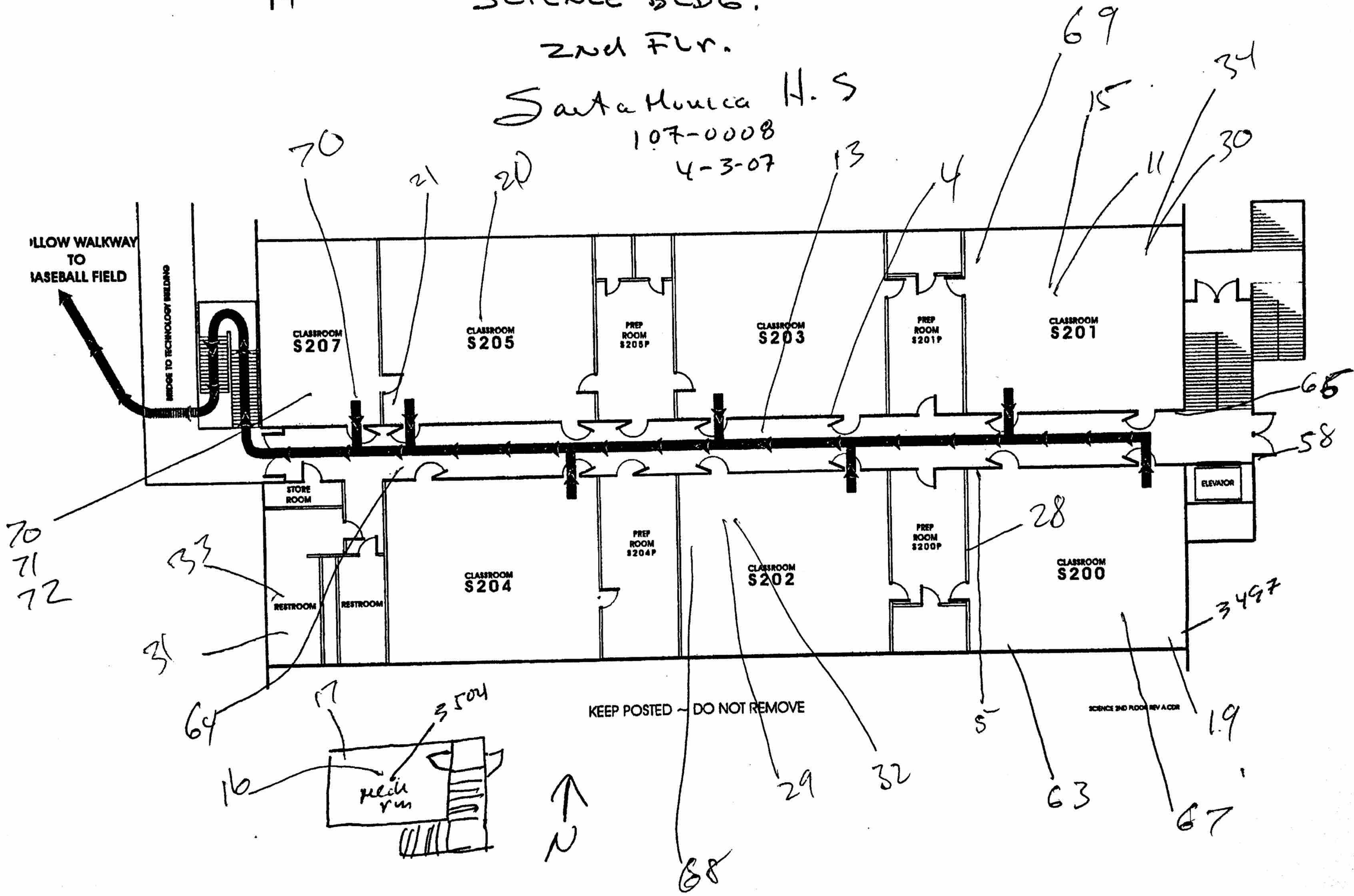
KEEP POSTED - DO NOT REMOVE

SCIENCE 1ST FLOOR REV A.C.07



SCIENCE BLDG.
2ND FLR.

Santa Monica H.S.
107-0008
4-3-07



LOW WALKWAY
TO
BASEBALL FIELD

BRIDGE TO TECHNOLOGY BUILDING

CLASSROOM
S207

CLASSROOM
S205

PREP
ROOM
S205P

CLASSROOM
S203

PREP
ROOM
S201P

CLASSROOM
S201

STORE
ROOM

RESTROOM

RESTROOM

CLASSROOM
S204

PREP
ROOM
S204P

CLASSROOM
S202

PREP
ROOM
S202P

CLASSROOM
S200

ELEVATOR

KEEP POSTED - DO NOT REMOVE

SCIENCE 2ND FLOOR REV A COR

media
room

3504

19

67

63

29

32

68

3497

68

58

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3

70
71
72

64

16

Appendix D

Previous Survey Data by ATC, CTL and Cape

criteria for calibration. HUD developed the PCS for use with the specific instrument used for testing.

The paint chip samples were analyzed by Hygeia Laboratories, Inc. (Hygeia) located in Sierra Madre, California. Hygeia is certified by the State of California Department of Health Services Environmental Laboratory Accreditation Program (ELAP) and is accredited by the American Industrial Hygiene Association's (AIHA) Laboratory Quality Assurance Program for industrial hygiene and lead analysis.

3.2 XRF Survey Results

ATC field technicians obtained one thousand seven hundred and forty-seven (1,747) XRF readings. One thousand seven hundred (1,700) readings were taken throughout the interior and exterior of the building areas and forty-seven (47) readings were calibration checks.

The following table (Table III) represents the results of the XRF survey. The table only lists those materials analyzed and found to contain greater than or equal to 0.7 mg/cm². (Los Angeles County Code definition of "dangerous level of lead-bearing substance"). The lead-based paint/materials XRF sampling logs of the materials sampled during the field survey are included in Appendix B. Site sampling diagrams are included in Appendix C.

Positive: An XRF reading is classified as positive if it is greater than or equal to 0.7 mg/cm².

Negative: An XRF reading is classified as negative if it is less than 0.7 mg/cm².

Table III – Positive XRF Survey Results

Sample #	XRF Results (mg/cm ²)	Condition of Paint	Approx. Qty	Building/ Floor/ Room/ Area	Location	Surface	Substrate	Color
008	1.0	Intact	8 EA	Science Bldg/ Floor 1/ S107P	North	Window Frame	Metal	Blue
013	1.0	Intact	22 EA	Science Bldg/ Floor 1/ S107	North	Window Frame	Metal	Blue
021	1.0	Intact	15 EA	Science Bldg/ Floor 1/ S105	North	Window Frame	Metal	Blue
026	1.0	Intact	20 EA	Science Bldg/ Floor 1/ S103	North	Window Frame	Metal	White
029	8.1	Intact	1 EA	Science Bldg/ Floor 1/ S101C	East	Sink	Porcelain	White
032	1.0	Fair	5 EA	Science Bldg/ Floor 1/ S101A	North	Window Frame	Metal	Light Blue

Sample #	XRF Results (mg/cm2)	Condition of Paint	Approx. Qty	Building/ Floor/ Room/ Area	Location	Surface	Substrate	Color
035	1.0	Fair	27 EA	Science Bldg/ Floor 1/ S101	North	Window Frame	Metal	White
041	1.0	Intact	23 EA	Science Bldg/ Floor 1/ S100	South	Window Frame	Metal	Blue
044	1.0	Intact	21 EA	Science Bldg/ Floor 1/ S102	South	Window Frame	Metal	Blue
049	1.0	Intact	8 EA	Science Bldg/ Floor 1/ S102A	South	Window Frame	Metal	Blue
051	1.0	Intact	23 EA	Science Bldg/ Floor 1/ S104	South	Window Frame	Metal	Blue
063	1.0	Intact	7 EA	Science Bldg/ Floor 1/ S104B	South	Window Frame	Metal	Blue
066	1.0	Intact	18 EA	Science Bldg/ Floor 1/ S104C	West	Conduit	Metal	Blue
072	1.0	Fair	10 EA	Science Bldg/ Floor 1/ Hallway	South	Door Frame	Metal	Blue
082	1.0	Intact	21 EA	Science Bldg/ Floor 2/ S202	South	Window Frame	Metal	Blue
085	1.0	Intact	23 EA	Science Bldg/ Floor 2/ S204	South	Window Frame	Metal	Blue
092	1.0	Intact	5 EA	Science Bldg/ Floor 2/ S204A	South	Window Frame	Metal	Blue
104	1.0	Intact	12 EA	Science Bldg/ Floor 2/ S207	North	Window Frame	Metal	Blue
120	1.0	Intact	8 EA	Science Bldg/ Floor 2/ S201A	North	Window Frame	Metal	Blue
131	1.0	Intact	17 EA	Science Bldg/ Floor 2/ Hallway	North	Door Frame	Metal	Blue
155	1.0	Intact	1 EA	Technology Bldg/ Floor 1/ T105C	West	Door Frame	Metal	Blue
162	1.0	Intact	30 LF	Technology Bldg/ Floor 1/ Custodian Room	West	Water Pipe	Steel	White

Sample #	XRF Results (mg/cm2)	Condition of Paint	Approx. Qty	Building/ Floor/ Room/ Area	Location	Surface	Substrate	Color
163	9.4	Intact	1 EA	Technology Bldg/ Floor 1/ Custodian Room	West	Sink	Porcelain	White
337	1.0	Intact	1 EA	Business Bldg/ Floor 1/ B101	East	Door Frame	Metal	White
382	>9.9	Intact	1 EA	Business Bldg/ Floor 2/ B200	South	Sink	Porcelain	White
383	1.8	Intact	456 SF	Business Bldg/ Floor 2/ B202	South	Wall	Concrete	White
385	2.4	Intact	152 SF	Business Bldg/ Floor 2/ B202	North	Wall	Concrete	White
386	1.0	Intact	110 SF	Business Bldg/ Floor 2/ B204A	West	Wall	Plaster	White
389	2.4	Intact	1 EA	Business Bldg/ Floor 2/ B204A	Northeast	Cabinet	Wood	White
391	1.0	Fair	1 EA	Business Bldg/ Floor 2/ B204 Women's Restroom	North	Window Frame	Metal	White
392	1.0	Fair	1 EA	Business Bldg/ Floor 2/ B204 Women's Restroom	North	Window Casing	Concrete	White
399	1.0	Intact	270 SF	Business Bldg/ Floor 2/ B206	North	Wall	Concrete	White
401	>9.9	Intact	1 EA	Business Bldg/ Floor 2/ B206	South	Sink	Porcelain	White
408	1.0	Intact	200 SF	Business Bldg/ Floor 2/ B207	East	Wall	Plaster	White
414	1.0	Intact	1 EA	Business Bldg/ Floor 2/ B205	West	Sink	Porcelain	White
442	2.0	Intact	5 EA	History Bldg/ Floor 1/ H106	West	Window Casing	Wood	White
446	1.7	Intact	2 EA	History Bldg/ Floor 1/ H114	West	Window Casing	Wood	White
450	3.4	Intact	2 EA	History Bldg/ Floor 1/ H116	West	Window Casing	Wood	White

APPENDIX B

**Lead Laboratory Analytical Report, Sample Logs,
XRF Logs, & DPH FORM 8552**



Hygeia Laboratories Inc.

82 W. Sierra Madre Blvd
Sierra Madre, CA 91024-2434
(626) 355-4711 (626) 355-4497 Fax

AIHA ELLAP Certificate No. 465
California ELAP Certificate No. 1269

Analytical Report

June 2, 2009

Hygeia Reference No.: **00052 09 0293**

Mr. Paul Cota
ATC Los Angeles
25 Cupania Circle
Monterey Park, CA 91755

Date Sampled: May 22, 2009
Date Received: May 26, 2009
Date Analyzed: May 31, 2009
Analyst: Nahid Motamedi

Client Ref. 52.25526.0003 (T1) SMMUSD - Santa Monica HS

Samples and data provided by: Paul Cota

Analyte: Lead

Analytical Method: EPA 7420

Detection Limit: 25 ppm Samples Analyzed: 38

Sample Matrix: paint

Digestion Method: EPA 3050B

Reporting Limit: 120 ppm Sample Condition Acceptable ☒

<u>Hygeia Sample ID</u>	<u>Client Sample ID</u>	<u>Lead Conc. (ppm)</u>	<u>Lead Conc. (wt%)</u>
1173438	P01	860	0.086
1173439	P02	<120	<0.012
1173440	P03	2969	0.297
1173441	P04	2212	0.221
1173442	P05	<120	<0.012
1173443	P06	<120	<0.012
1173444	P07	32140	3.21
1173445	P08	4359	0.436
1173446	P09	3211	0.321
1173447	P10	<120	<0.012
1173448	P11	428	0.043
1173449	P12	<120	<0.012
1173450	P13	1917	0.192
1173451	P14	1024	0.102
1173452	P15	1079	0.108
1173453	P16	<120	<0.012
1173454	P17	19460	1.95
1173455	P18	21210	2.12
1173456	P19	10600	1.06
1173457	P20	<120	<0.012

ATC Request for Laboratory Services / Chain of Custody - Chemistry

Send Report To P. Costa

Company Name ATC Los Angeles

Company Address 25 Cupania Circle

Company Address Monterey Park, CA 91755

Phone (323) 517-9780 Fax (323) 517-9781

Client Project No 52.25526.0003 T1

Client Project Re SMMUSD - SANTA MONICA H.S.

Bill Branch No. 52

(For Inter-Company billing purposes, please provide correct Project and Task No.)

Samples Submitted 38

Samples Analyzed _____

Hygeia Reference No 00052 09 0293

Hygeia Laboratories Inc.
82 W. Sierra Madre Blvd.
Sierra Madre, CA 91024
(626) 355-4711
(626) 355-4497 FAX



Reporting

Fax _____

Cell/Page _____

Phone _____

E-mail _____

☐ Written Report Requested

Turnaround Time

☒ Normal (5 business days) _____ Two Day _____ Next Day _____ Same Day _____ Weekend/Holiday

TCLP and STLC: _____ Normal (5 business days) _____ Three Day _____ Two Day (STLC) _____ Next Day (TCLP)

Type of Sample

_____ Air _____ Dust ☒ Paint _____ Bulk _____ Soil _____ Water _____ Wipe _____ Other

Type of Analysis

☒ Lead - air, paint, soil, bulk, wipe

_____ Cadmium

_____ Supplies

_____ Lead - TCLP

_____ Chromium

_____ Lead - STLC

_____ Nickel

_____ Lead - TTLC

_____ Zinc

_____ Lead - drinking water

_____ Total Nuisance Dust (NIOSH 0500)

_____ Respirable Nuisance Dust (NIOSH 0600)

Additional Instructions

For Lab Use Only

Sample Integrity ☒ accept _____ reject

1st Sample No 1173438 - 475

Results reported by:

Price / Sample _____

Date _____ Time _____ Initials _____ Verbal Fax E-mail

Date _____ Time _____ Initials _____ Verbal Fax E-mail

Invoice No. 77- _____

Date _____ Time _____ Initials _____ Verbal Fax E-mail

Log Out Date _____

Comments

Relinquished By (Signature)	Received By (Signature)	Time	Date	Reason for Change of Custody
		1:50 PM	5.26.09	

The sample collector is responsible for ensuring that all samples have been preserved according to the appropriate and applicable methodology.

00052 09 0293

PAGE ____ OF ____

LEAD BULK SAMPLE LOG


 25 CUPANIA CIRCLE
 MONTEREY PARK, CA 91755

 PROJECT NO. 52 25526 0002 TASK NO. 00001
PROJECT: SMNUSO - SANOH1

SURVEYOR(S): _____

DATE: 052209

AREA AREA NAME/DESCRIPTION AREA AREA NAME/DESCRIPTION

01	SCIENCE BLDG		
02	TECHNOLOGY BLDG		
03	BUSINESS BLDG		

UNIT CODES

- 1 LINEAR FEET
-
- 2 SQUARE FEET
-
- 3 SQUARE YARDS
-
- 4 CUBIC INCH
-
- 5 EACH

PERCENTAGES

 P - POSITIVE
 N - NEGATIVE
 PAINT
 WATER
 DUST
 OTHER
 Q.A.

SAMPLE #	BLDG/FLOOR	AREA USAGE	CODE	MATERIAL DESCRIPTION / COLOR	ESTIMATED QUANTITY	5 EACH	PERCENTAGES
P01	SCIENCE 1ST	01	5	45 PAINT CHIP SAMPLE ROOM SLOTP BLUE	85	2221	
P02	2ND	01	5	45 ROOM 204A BLUE	105	1221	
P03	1ST	01	5	45 ROOM 101A BLUE	55	1221	
P04	TECHNOLOGY	02	5	46 ROOM 1108C BLUE	15	2221	
P05	↓	02	5	47 JANITOR CLOSET/PLAN WHITE	301	1222	
P06	BUSINESS	03	5	46 ROOM B101 WHITE	15	1222	
P07	↓	03	5	22 ROOM B204A WHITE	1102	1521	
P08	↓	03	5	13 B2AP WOMEN RR WHITE	15	1321	
P09	↓	03	5	45 B201 WOMEN WHITE	15	1221	
P10	↓	03	5	22 ROOM B206 WHITE	2702	2321	

- 01 WATER
 02 DUST
 03 DOOR, HEADER
 04 DOOR JAM
 05 DOOR, CASING
 06 STAIR, TREADS
 07 STAIR, RISERS
 08 STAIR, STRINGER
 09 BALUSTER
 10 RAILING CAP
 11 NEWEL POST
 12 WINDOW, HEADER
 13 WINDOW, CASING
 14 WINDOW, SILL
 15 WINDOW, SASH
 16 WINDOW, STOPS
 17 MULLIONS
 18 APRON
 19 WINDOW GRATE
 20 DOOR GRATE
- 21 BASEBOARD
 22 WALLS
 23 WALLS, LOWER
 24 WALLS, UPPER
 25 CHAIR RAIL
 26 DOOR, EXTERIOR
 27 EXTERIOR, DOOR CASING
 28 EXTERIOR, WINDOW CASING
 29 EXTERIOR, WINDOW MULLIONS
 30 EXTERIOR, WINDOW SILL
 31 THRESHOLD
 32 DRIPBOARD
 33 LOWER TRIM
 34 UPPER TRIM
 35 CORNERBOARD
 36 SIDING
 37 CELLAR WINDOW UNIT
 38 FLOOR
 39 RAILING CAPS
 40 SUPPORT COLUMN

- 41 JOIST
 42 CEILING
 43 RADIATOR
 44 ACCESS HATCH COVER

45 WINDOW FRAME46 DOOR FRAME47 WATER PIPE

48 _____

49 _____

50 _____

- AREA USAGE CODES
 1 VOID/CHASE/CAVITY
 2 MECHANICAL
 3 STORAGE
 4 OCCASIONAL
 5 CONTINUOUS

- PEELING CODE
 1 PEELING
 2 NOT PEELING
 3 UNDAIMAGED
 4 CHIPPED
 5 CHAULKING

- SUBSTRATE CODE
 1 WOOD
 2 METAL
 3 MASONRY
 4 DRYWALL
 5 PLASTER

CHEWABLE SURFACE

- 1 YES
 2 NO

CONTACT CODE

- 1 LOW
 2 MODERATE
 3 HIGH

CODE

- 1 _____
 2 _____
 3 _____

FOR LAB USE ONLY

ANALYST'S SIGNATURE/DATE

LAB DIRECTOR'S SIGNATURE/DATE

XRF LEAD BASED PAINT SURVEY



Date: 05-04-2009
 Project No.: 52.25526.0002
 Task No.: 1

Client: SMMUSD - SANTA MONICA H.S. Spectrum Analyzer ID #: 1482/1332
 Survey Location: 601 PICO BLVD, SANTA MONICA, CA 90405
 Inspector(s): _____

Sample No.	Floor	Room / Area	Condition Of Paint	Quantity Of Lead	Location N,E,S,W	Surface	Substrate	Color	Result (mg / cm ²)
004	1st	Science - S107P	I		E	Wall	Drywall	white	0.0
005					S				0.0
006					W				0.1
007					N				0.1
* 008				8 EACH	N	Window Frame	metal	Blue	1.0
009					N	Support Column	concrete	white	0.0
010					E	Natural gas pipe	steel	white	0.6
011		S107			E	Wall	Drywall	white	0.2
012					S				0.1
* 013				22 EACH	N	Window Frame	metal	Blue	1.0
014					N	Support Column	concrete	white	0.2
015		S105A			N	Wall	Drywall	white	0.1
016					W				0.4
017					N	Wall tile	ceramic	Blue	0.2
018					N.W	map sink	porcelain	white	0.2

COMMENTS:

#s 1-3 are Calibration

CONDITION OF PAINT:

I INTACT
 F FAIR - Small Amount Flaking
 P POOR - Large Amounts Flaking

XRF LEAD BASELINT SURVEY



Date: 05-04-09
 Project No.: 52.25526.0002
 Task No.: 1

Client: SMMUSD - SANTA MONICA H.S. Spectrum Analyzer ID #: 1482/1332
 Survey Location: 601 PICO BLVD., SANTA MONICA, CA 90405
 Inspector(s): _____

Sample No.	Floor	Room / Area	Condition Of Paint	Quantity Of Lead	Location N,E,S,W	Surface	Substrate	Color	Result (mg / cm ²)
019	1st	S105	I		W	Wall	Drywall	white	0.0
020					N	↓	↓	↓	0.1
* 021				15 Each.	N	window frame	metal	blue	1.0
022		S103			E	Wall	plaster	white	0.2
023					S	↓	↓	↓	0.0
024					S	Electrical conduit	metal	white	0.0
025					S	soffit	Drywall	white	0.1
* 026				20 EACH	N	window frame	metal	white	1.0
027		S101P			W	Wall	Drywall	white	0.2
028		S101C			N	Wall	plaster	white	0.0
* 029				1 Each.	E	sink	porcelain	white	8.1
030					E	toilet	↓	↓	0.3
031		S101A			W	WALL	plaster	white	0.1
* 032			F	5 Each	N	window frame	metal	white-blue	1.0
033			S		S	Door frame	metal	Blue	0.2

COMMENTS: No Key to S105 B

CONDITION OF PAINT:

I INTACT
 F FAIR - Small Amount Flaking
 P POOR - Large Amounts Flaking

XRF LEAD BASED . . . NT SURVEY



Date: 05-04-09
 Project No.: 52.25526.0002
 Task No.: 1

Client: SMUSD - SANTA MONICA H.S. Spectrum Analyzer ID #: 1482/1332
 Survey Location: 601 PICO BLVD, SANTA MONICA, CA 90405
 Inspector(s): _____

Sample No.	Floor	Room / Area	Condition Of Paint	Quantity Of Lead	Location N,E,S,W	Surface	Substrate	Color	Result (mg / cm ²)
034	1st	S101B	I		N	Wall	Plaster	Blue	0.0
* 035		S101	F	27E-84	N	Window Frame	metal	white	1.0
036			I		W	Wall	Plaster	white	0.1
037					N	Support Column	concrete	white	0.0
038		S101D			N	Wall	Stucco	Brown	0.1
039		S100			E	Wall	Dry wall	white	0.4
040					W				0.2
* 041			I	23 E-84	S	Window Frame	metal	Blue	1.0
042		S102	I		S	Wall	Dry wall	white	0.1
043					E				0.2
* 044			I	21 E-84	S	Window Frame	metal	Blue	1.0
045		S102P			N	Wall	Dry wall	white	0.1
046		S102PA			E	Door Frame	metal	Blue	0.0
047					W	Wall	Dry wall	white	0.0
048					N	Window Frame	metal	Blue	0.3

COMMENTS: No keys S100P.

CONDITION OF PAINT:

I INTACT
 F FAIR - Small Amount Flaking
 P POOR - Large Amounts Flaking

XRF LEAD BASEL PAINT SURVEY



25 Cupanla Circle
Monterey Park, CA 91755

Date: 05-04-09
Project No.: 52.25526.0002
Task No.: 1

Client: SMANUSO - SANTA MONICA H.S. Spectrum Analyzer ID #: 1482/1332
Survey Location: 601 PICO BLVD, SANTA MONICA, CA 90405
Inspector(s): _____

Sample No.	Floor	Room / Area	Condition Of Paint	Quantity Of Lead	Location N,E,S,W	Surface	Substrate	Color	Result (mg / cm ²)
* 049	1st	S102PA	I	8 Each	S	Window Frame	metal	Blue	1.0
050		S104			E	Wall	drywall	white	0.0
* 051			I	23 Each.	S	Window	metal	Blue.	1.0
052					S	Support Column	concrete.	white	0.1
053		S104A			W	Wall tile	ceramic	Blue	0.1
054								Brown	0.1
055					W	sink	porcelain	white	0.3
056					W	toilet			0.5
057					S	Window Frame	metal	Blue	0.5
058					Center	Floor tile	ceramic	Brown	0.4
059		S104B			W	Wall tile	ceramic	Blue	0.1
060								Brown	0.1
061					E	Toilet	porcelain	white	0.2
062					N	Sink	metal	white	0.1
* 063				7 Each	S	Window Frame	metal	Blue.	1.0

COMMENTS:

CONDITION OF PAINT:

I INTACT
F FAIR - Small Amount Flaking
P POOR - Large Amounts Flaking

PAGE _____ OF _____

XRF LEAD BASEL INT SURVEY



05-04-09

Date: _____

Client: SMUSD - SANTA MONICA H.S.Spectrum Analyzer ID #: 1482/1332Project No.: 52.25526.0002Survey Location: 601 PICO BLVD., SANTA MONICA, CA 90405Task No.: 1

Inspector(s): _____

Sample No.	Floor	Room / Area	Condition Of Paint	Quantity Of Lead	Location N,E,S,W	Surface	Substrate	Color	Result (mg / cm ²)
064	1st	S104C	I		N	Wall	concrete	Blue	0.0
065					center	ceiling	Drywall	Blue	0.1
* 066			I	18 Each	W	Electrical Conduits	metal	Blue	1.0
067		Hallway			N	Wall	concrete	white	0.4
068					S				0.1
069					S.W	Wall tile	ceramic	Blue	0.2
070					W	Door	metal	Blue	0.2
071					N	Door Frame	metal	Blue	0.0
* 072			F	10 Each	S				1.0
073		East stairway	I		E	Wall	concrete	white	0.2
074						Handrail	metal	blue	0.0
075	2nd	S200			S	Window Frame	metal	Blue	0.4
076					E	Wall	concrete	white	0.0
077					N		Drywall		0.1
078		S200P			W	Wall	Drywall	white	0.1

COMMENTS:

CONDITION OF PAINT:

I INTACT
 F FAIR - Small Amount Flaking
 P POOR - Large Amounts Flaking

PAGE _____ OF _____

XRF LEAD BASEL INT SURVEY



Date: 05-04-09
 Project No.: 52.25526.0002
 Task No.: 1

Client: SMANUSD - SANTA MONICA H.S. Spectrum Analyzer ID #: 1482/1332
 Survey Location: 601 PICO BLVD., SANTA MONICA, CA 90405
 Inspector(s): _____

Sample No.	Floor	Room / Area	Condition Of Paint	Quantity Of Lead	Location N,E,S,W	Surface	Substrate	Color	Result (mg / cm ²)
079	2nd	S200P	I		N	wall	Drywall	white	0.1
080					S	window frame	metal	Blue	0.3
081					W	wall	Drywall	white	0.1
* 082		S202		20 E-ch	S	window frame	metal	Blue	1.0
083					S	column	concrete	white	0.1
084					N	wall	Drywall	white	0.1
* 085		S204		23 E-ch.	S	window frame	metal	Blue	1.0
086					W	wall	Drywall	white	0.2
087		S204A			W	wall tile	ceramic	Blue	0.2
088					↓	↓	↓	Brown	0.0
089					W	sink	Porcelain	white	0.2
090					↓	urinal	↓	↓	0.2
091					↓	toilet	↓	↓	0.2
* 092				5 E-ch.	S	window frame	metal	Blue	1.0
093	↓	↓	↓		Center	Floortile	ceramic	Brown	0.2

COMMENTS: No Keys to S204P

CONDITION OF PAINT:

I INTACT
 F FAIR - Small Amount Flaking
 P POOR - Large Amounts Flaking

XRF LEAD BASEL INT SURVEY



Date: 05-04-09
 Project No.: 52.25526.0002
 Task No.: 1

Client: SMUSD - SANTA MONICA H.S. Spectrum Analyzer ID #: 1482/1332
 Survey Location: 601 PICO BLVD, SANTA MONICA, CA 90405
 Inspector(s): _____

Sample No.	Floor	Room / Area	Condition Of Paint	Quantity Of Lead	Location N,E,S,W	Surface	Substrate	Color	Result (mg / cm ²)
094	2nd	5204B	I	I	W	wall tile	ceramic	Blue	0.1
95					I			Brown	0.2
96					N	SINK	Porcelain	white	0.3
97					E	urinal			0.3
98					E	toilet			0.2
99			F	F	S	window frame	metal	Blue	0.5
100		5204C	I	I	S	wall	Dr wall	white	0.1
101						wall tile	ceramic	Blue	0.1
102					S.W	mop sink	Porcelain	white	0.1
103					N	Electrical conduit	metal	white	0.3
104		5207	I	12 Each	N	Window frame	metal	Blue	1.0
105					W	wall	Dr wall	white	0.0
106					N	Support column	concrete	white	0.1
107		5205			N	Window frame	metal	Blue	0.3
108					W				0.0

COMMENTS:

CONDITION OF PAINT:

I INTACT
 F FAIR - Small Amount Flaking
 P POOR - Large Amounts Flaking

PAGE _____ OF _____

XRF LEAD BASELINT SURVEY



Date: 05-04-09
 Project No.: 52.25526.0002
 Task No.: 1

Client: SMMUSD - SANTA MONICA H.S. Spectrum Analyzer ID #: 1482/1332
 Survey Location: 601 PICO BLVD., SANTA MONICA, CA 90405
 Inspector(s): _____

Sample No.	Floor	Room / Area	Condition Of Paint	Quantity Of Lead	Location N,E,S,W	Surface	Substrate	Color	Result (mg / cm ²)
109	2nd	S205	I		W	Wall	Drywall	white	0.3
110					S	suffie			0.3
111		S205P			W	Wall	Drywall	white	0.1
112					S	Natural	metal		0.1
113		S205A			N	window frame	metal	Blue	0.3
114					S	Door frame	metal	Blue	0.1
115		S203			N	window frame	metal	Blue	0.5
116					W	Wall	Drywall	white	0.2
117					N	support column	concrete	white	0.1
118		S201P			E	Wall	Drywall	white	0.0
119		S201A			E	Natural	metal		0.0
★ 120		S201A		8 each.	N	window frame	metal	Blue	1.0
121					S	Door frame			0.0
122		S201			N	window frame	metal	Blue	0.4
123					E	Wall	Drywall	white	0.1

COMMENTS: No key to S205B

CONDITION OF PAINT:

I INTACT
 F FAIR - Small Amount Flaking
 P POOR - Large Amounts Flaking

XRF LEAD BASEL INT SURVEY



Date: 05-04-09
 Project No.: 52.25526.0002
 Task No.: 1

Client: SMMUSD - SANTA MONICA H.S. Spectrum Analyzer ID #: 1482/1332
 Survey Location: 601 PICO BLVD., SANTA MONICA, CA 90405
 Inspector(s): _____

Sample No.	Floor	Room / Area	Condition Of Paint	Quantity Of Lead	Location N,E,S,W	Surface	Substrate	Color	Result (mg / cm ²)
124	2nd	Science Hallway	I		E	Window Floor	metal	Blue	0.0
125					S	Wall	concrete	White	0.0
126					N				0.3
127					N	locker door	metal	Brown	0.0
128					N	Wall tile	ceramic	Blue	0.2
129					N	Hand rail	metal		0.5
130					W	Door	metal	Blue	0.2
* 131				17 E-ch.	N	Door frame	metal	Blue	1.0
132	3rd floor	HVAC room			W	Wall	concrete	Brown	0.1
133		MIDSHIFT CUBICULATION							1.7
134									1.6
135									1.6
136	1st	Technology-T113	I		N	Wall	Dry wall	White	0.3
137					W		concrete		0.1
138					W	Window frame	metal	Blue	0.2

COMMENTS:

CONDITION OF PAINT:

I INTACT
 F FAIR - Small Amount Flaking
 P POOR - Large Amounts Flaking

XRF LEAD BASEL INT SURVEY



Date: 05-04-09
 Project No.: 52.25526.0002
 Task No.: 1

Client: SMMUSD - SANTA MONICA H.S. Spectrum Analyzer ID #: 1482/1332
 Survey Location: 601 PICO BLVD., SANTA MONICA, CA 90405
 Inspector(s): _____

Sample No.	Floor	Room / Area	Condition Of Paint	Quantity Of Lead	Location N,E,S,W	Surface	Substrate	Color	Result (mg / cm ²)
139	1st.	Technology T-111	I		E	Wall	Drywall	White	0.3
140					W				0.0
141					N	Window Frame	metal	Blue	0.4
142					N	Door	metal		0.4
143		T-109			N	Wall	concrete	white	0.2
144					N	Window Frame	metal	Blue	0.4
145		T-107			E	Wall	concrete	white	0.2
146					N	Window Frame	metal	Blue	0.4
147					N	Door Frame			0.4
148		T-105			N	Wall	Drywall	White	0.0
149					W	Wall	Brick	White	0.2
150					Center	Support Column	Concrete Drywall		0.1
151					N	Window Frame	metal	Blue	0.3
152					Center	Floor	concrete	gray	0.1
153					N	Door Frame	metal	Blue	0.0

COMMENTS:

CONDITION OF PAINT:

I INTACT
 F FAIR - Small Amount Flaking
 P POOR - Large Amounts Flaking

PAGE _____ OF _____

XRF LEAD BASEL NT SURVEY



Date: 05-04-09
 Project No.: 52.25526.0002
 Task No.: 1

Client: SMMUSD - SANTA MONICA H.S. Spectrum Analyzer ID #: 1482/1332
 Survey Location: 601 PICO BLVD, SANTA MONICA, CA 90405
 Inspector(s): _____

Sample No.	Floor	Room / Area	Condition Of Paint	Quantity Of Lead	Location N,E,S,W	Surface	Substrate	Color	Result (mg / cm ²)
154	1st	T105C	I		N	Wall	Brick	white	0.1
155			F	1 E-oh	W	Door Frame	metal	Blue	1.0
156		T105C-1			N	Wall	Brick	white	0.2
157					S	Electrical Conduits	metal	white	0.0
158					S	Window Frame		Blue	0.4
159					N	Door Frame	metal	Blue	0.0
160		T105			W	Wall tile	ceramic	Blue	0.1
161		Technology Custodian			W	Wall	Brick	white	0.3
162			I	30 LF	W	Water Pipe	steel	white	1.0
163				1 E-oh	W	Sink	Porcelain	white	9.4
164					S	Wall Tile	ceramic	Blue	0.4
165					S	Map Sink	Porcelain	white	0.0
166					N	Door Frame	metal	Blue	0.4
167		Men's Facility Rm			E	Wall Tile	ceramic	Blue	0.1
168								Brown	0.0

COMMENTS:

no Key T-105A, T105B, T105G, T105F, T105E, T105D,

CONDITION OF PAINT:

I INTACT
 F FAIR - Small Amount Flaking
 P POOR - Large Amounts Flaking

PAGE ____ OF ____

XRF LEAD BASEL INT SURVEY



Date: 05-04-09
 Project No.: 52.25526.0002
 Task No.: 1

Client: SMMUSD - SANTA MONICA H.S. Spectrum Analyzer ID #: 1482/1332
 Survey Location: 601 PICO BLVD., SANTA MONICA, CA 90405
 Inspector(s): _____

Sample No.	Floor	Room / Area	Condition Of Paint	Quantity Of Lead	Location N,E,S,W	Surface	Substrate	Color	Result (mg / cm ²)
169	1st	Techology mens R.R	S		S	Sink	Porcelain	white	0.3
170					W	Urinal			0.2
171					W	Toilet			0.3
172					Center	Floor	Tile	Brown	0.3
173					N	Window frame	metal	Blue	0.4
174		T103 B			W	Wall	Drywall	Yellow	0.3
175					N			Blue	0.1
176					N	Door	metal	Blue	0.3
177					N	Door frame			0.3
178		T103			N	Wall	Drywall	White	0.4
179					N	Window frame	metal	Blue	0.5
180		T101			N	Wall	Drywall	White	0.1
181					E	Door frame	metal	Blue	0.2
182		T100			E	Wall	Brick	White	0.0
183					N		Concrete		0.4

COMMENTS: No Key to T103, C-1 B

CONDITION OF PAINT:

I INTACT
 F FAIR - Small Amount Flaking
 P POOR - Large Amounts Flaking

XRF LEAD BASED PAINT SURVEY



Date: 65-04-09
 Project No.: 52.25526.0002
 Task No.: 1

Client: SMMUSD - SANTA MONICA H.S. Spectrum Analyzer ID #: 1482/1332
 Survey Location: 601 PICO BLVD., SANTA MONICA, CA 90405
 Inspector(s): _____

Sample No.	Floor	Room / Area	Condition Of Paint	Quantity Of Lead	Location N,E,S,W	Surface	Substrate	Color	Result (mg / cm ²)
184	1st	Technology ^{woman} R.R.	I		N	wall tile	ceramic	Blue	0.1
185						sink	Porcelain	white	0.1
186						Toilet			0.0
187					S	Door	metal	Blue	0.1
188		T102			E	wall	Drywall	white	0.2
189					S	window frame	metal	blue	0.4
190		T102A			S	wall	Drywall	white	0.1
191					S	window frame	metal	blue	0.2
192					S	Door	metal		0.0
193		T102B			N	wall	Drywall	white	0.1
194					S	wall tile	ceramic	Blue	0.2
195					S	map sink		white	0.1
196		T102C			S	wall tile	ceramic	Brown	0.2
197					E	Toilet	Porcelain	white	0.0
198					Center	floor tile	ceramic	Brown	0.2

COMMENTS:

CONDITION OF PAINT:

I INTACT
 F FAIR - Small Amount Flaking
 P POOR - Large Amounts Flaking

PAGE _____ OF _____

XRF LEAD BASEL NT SURVEY



25 Cupanla Circle
Monterey Park, CA 91755

Date: 05-04-09

Project No.: 52.25526.0002

Task No.: 1

Client: SMMUSD - SANTA MONICA H.S.

Spectrum Analyzer ID #: 1482/1332

Survey Location: 601 PICO BLVD., SANTA MONICA, CA 90405

Inspector(s):

Sample No.	Floor	Room / Area	Condition Of Paint	Quantity Of Lead	Location N,E,S,W	Surface	Substrate	Color	Result (mg / cm ²)
199	1st	Technology T104	I		S	Wall	concrete	white	0.0
200					S	Door frame	metal	Blue	0.3
201					S	Window frame			0.4
202		T106			W	Wall	Drywall	white	0.0
203					S	Door frame	metal	Blue	0.0
204		T108			E	Wall	Drywall	white	0.2
205					S	Door	metal	Blue	0.4
206					S	Window frame			0.4
207		T110			N	Wall	Drywall	white	0.1
208					S	Door frame	metal	Blue	0.3
209		T112			W	Window frame	metal	Blue	0.4
210					S	Wall	Drywall	white	0.1
211					S	Window frame	metal	Blue	0.6
212		T112 A			S	Wall	2x4x8 brick	white	0.1
213					S	Window frame	metal	Blue	0.4

COMMENTS:

No Key T110 A

CONDITION OF PAINT:

I INTACT

F FAIR - Small Amount Flaking

P POOR - Large Amounts Flaking

PAGE ____ OF ____

XRF LEAD BASEL PAINT SURVEY



Date: 05-04-09
 Project No.: 52.25526.0002
 Task No.: 1

Client: SMMUSD - SANTA MONICA H.S. Spectrum Analyzer ID #: 1482/1332
 Survey Location: 601 PICO BLVD, SANTA MONICA, CA 90405
 Inspector(s): _____

Sample No.	Floor	Room / Area	Condition Of Paint	Quantity Of Lead	Location N,E,S,W	Surface	Substrate	Color	Result (mg / cm ²)
214	2nd	Technology T214	I		N	Wall	Drywall	white	0.0
215					W	window frame	metal	Blue	0.4
216					S	Door frame	metal	↓	0.2
217		T214B			W	Wall	concrete	white	0.1
218		T212			S	Wall	Drywall	white	0.2
219					S	window frame	metal	Blue	0.5
220		T210A			E	Wall	Drywall	white	0.0
221		T208			S	Window frame	metal	Blue	0.3
222		T208A			N	Door frame	↓	↓	0.0
223		T208 A			E	Wall	Drywall	white	0.0
224					↓	wall tile	ceramic	Blue	0.3
225					↓	NOPSINK	Porcelain	white	0.3
226		T208B			S	Toilet	↓	↓	0.2
227					N	sink	↓	↓	0.2
228					Center	floor tile	Ceramic	Brown	0.3

COMMENTS: No key to FHO T210

CONDITION OF PAINT:

I INTACT
 F FAIR - Small Amount Flaking
 P POOR - Large Amounts Flaking

XRF LEAD BASEL INT SURVEY



Date: 05-04-09
 Project No.: 52.25526.0002
 Task No.: 1

Client: SMMUSD - SANTA MONICA H.S. Spectrum Analyzer ID #: 1482/1332
 Survey Location: 601 PICO BLVD., SANTA MONICA, CA 90405
 Inspector(s): _____

Sample No.	Floor	Room / Area	Condition Of Paint	Quantity Of Lead	Location N,E,S,W	Surface	Substrate	Color	Result (mg / cm ²)
229	2nd	Technology T203B	I		N	Wall tile	ceramic	Blue	0.3
230					S	window frame	metal	↓	0.4
231					S	Electrical conduit	metal	white	0.3
232					center	ceiling	Drywall	↓	0.1
233		T206C			W	Wall tile	ceramic	white	0.3
234					N	Urinal	Porcelain	white	0.2
235					S	Toilet	↓	↓	0.3
236					W	Sink	metal	white	0.1
237					center	floor	concrete	gray	0.1
238		T206B			E	Wall tile	ceramic	Brown	0.0
239					W	Toilet	Porcelain	white	0.2
240					W	Sink	metal	white	0.0
241		T206			S	window frame	metal	Blue	0.5
242					W	Wall	Drywall	white	0.0
243					N	Door frame	metal	Blue	0.2

COMMENTS:

CONDITION OF PAINT:

I INTACT
 F FAIR - Small Amount Flaking
 P POOR - Large Amounts Flaking

XRF LEAD BASEL NT SURVEY



Date: 05-04-09
 Project No.: 52.25526.0002
 Task No.: 1

Client: SMMUSD - SANTA MONICA H.S. Spectrum Analyzer ID #: 1482/1332
 Survey Location: 601 PICO BLVD., SANTA MONICA, CA 90405
 Inspector(s): _____

Sample No.	Floor	Room / Area	Condition Of Paint	Quantity Of Lead	Location N,E,S,W	Surface	Substrate	Color	Result (mg / cm ²)
244	2nd	Technology T204	S		S	window frame	metal	Blue	0.3
245					W	wall	Drywall	white	0.2
246					N	Door frame	metal	Blue	0.1
247		T202			E	window frame	metal	Blue	0.0
248					W	wall	Drywall	white	0.1
249		T202P			S	wall	Drywall	white	0.0
250					N	Door frame	metal	white	0.0
251		T202A			S	window frame	metal	Blue	0.2
252					N	wall	Drywall	white	0.0
253		T200			S	wall	Drywall		0.0
254					S	window frame	metal	Blue	0.4
255					N	Door frame	metal	Blue	0.0
256		T201			N	window frame			0.4
257					BS	wall	Drywall	white	0.2
258		T203			N	window frame	metal	Blue	0.4

COMMENTS:

Wax Key to T202P T202B No Key

CONDITION OF PAINT:

I INTACT
 F FAIR - Small Amount Flaking
 P POOR - Large Amounts Flaking

PAGE ____ OF ____

XRF LEAD BASEL INT SURVEY



Date: 05-04-09

Client: SMUSD - SANTA MONICA H.S.

Spectrum Analyzer ID #: 1482/1332

Project No.: 52.25526.0002

Survey Location: 601 PICO BLVD, SANTA MONICA, CA 90405

Task No.: 1

Inspector(s):

Sample No.	Floor	Room / Area	Condition Of Paint	Quantity Of Lead	Location N,E,S,W	Surface	Substrate	Color	Result (mg / cm ²)
259	2nd	Technology T203	I		N	wall	drywall	white	.4
260		T205			E	wall	drywall	white	0.2
261					N	door frame	metal	blue	0.0
262		T207			N	window frame	metal	blue	0.4
263					ES	wall	drywall	white	0.6
264		T209			N	window frame	metal	blue	0.4
265					W	wall	drywall	white	0.0
266		T211			N	window frame	metal	blue	0.1
267					E	wall	drywall	white	0.2
268		T213			S	wall			0.1
269					S	door frame	metal	blue	0.1
270		T215			N	window frame			0.3
271					S	wall	drywall	white	0.0
272		T217			N	window	metal	blue	0.2
273					N	frame	drywall	white	0.0

COMMENTS:

CONDITION OF PAINT:

I INTACT
 F FAIR - Small Amount Flaking
 P POOR - Large Amounts Flaking

PAGE ____ OF ____

XRF LEAD BASEL INT SURVEY



Date: 05-04-09
 Project No.: 52.25526.0002
 Task No.: 1

Client: SMUSD - SANTA MONICA H.S. Spectrum Analyzer ID #: 1482/1332
 Survey Location: 601 PICO BLVD, SANTA MONICA, CA 90405
 Inspector(s): _____

Sample No.	Floor	Room / Area	Condition Of Paint	Quantity Of Lead	Location N,E,S,W	Surface	Substrate	Color	Result (mg / cm ²)
274	end	Technology T219	I		N	window frame	metal	Blue	0.2
275					S	Door frame			0.1
276		Hallway			S	wall	Drywall	white	0.2
277					N				0.0
278					W	window frame	metal	Blue	0.4
279					N	Door frame			0.1
280					S	Door			0.3
281					S	wall tile	ceramic	Blue	0.1
282					S	locker side	metal	Green	0.2
283	1st	Technology Hallway			W	wall	Drywall	white	0.0
284					S	window frame	metal	Blue	0.4
285					S	Door	metal	Blue	0.3
286	—	END OF SHUT CALIBRATION	←					→	1.8
287	—		←					→	1.6
288	—		←					→	1.7

COMMENTS: _____

CONDITION OF PAINT:
 I INTACT
 F FAIR - Small Amount Flaking
 P POOR - Large Amounts Flaking

Calibration Check Test Results

RMD XRF Unit

PAGE 1 OF 1

Address / Unit No. SANTA MONICA H.S. - 601 PICO BLVD.
SANTA MONICA, CA 90405

Device: RMD XRF

Date: 5.4.09 XRF Serial No. (1482) / 1332 CIRCLE ONE

Contractor: ATC Assoc.

* Inspector Name: ROBERT DE TATORCE * Signature: [Signature]

NIST SRM Used 1.9 mg/cm² Calibration Check Tolerance Used _____ mg/cm²

First Calibration Check

NIST SRM			First Average	Difference Between First Average and NIST SRM*
First Reading	Second Reading	Third Reading		
<u>1.8</u>	<u>1.8</u>	<u>1.7</u>	<u>1.8</u>	<u>0.1</u>
<u>1</u>	<u>2</u>	<u>3</u>		

Second Calibration Check

NIST SRM			Second Average	Difference Between Second Average and NIST SRM*
First Reading	Second Reading	Third Reading		
<u>1.7</u>	<u>1.6</u>	<u>1.6</u>	<u>1.6</u>	<u>0.3</u>
<u>133</u>	<u>134</u>	<u>135</u>		

Third Calibration Check (if required)

NIST SRM			Third Average	Difference Between Third Average and NIST SRM*
First Reading	Second Reading	Third Reading		

Fourth Calibration Check (if required)

NIST SRM			Fourth Average	Difference Between Fourth Average and NIST SRM*
First Reading	Second Reading	Third Reading		

* If the difference of the Calibration Check Average from the NIST SRM film value is greater than the specified Calibration Check Tolerance for this device, consult the manufacturer's recommendations to bring the instrument back into control. Retest all testing combinations tested since the last successful Calibration Check test.

Calibration Check Test Results
RMD XRF Unit

PAGE 1 OF 1

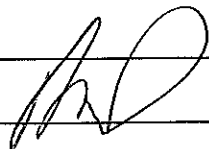
Address / Unit No. SANTA MONICA H.S. - 601 PICO BLVD.

SANTA MONICA, CA 90405

Device: RMD XRF

Date: 5/5/09 XRF Serial No. (1482)/1332 CIRCLE ONE

Contractor: ATC Assoc.

* Inspector Name: ROBERT DELATORRE * Signature: 

NIST SRM Used _____ mg/cm² Calibration Check Tolerance Used _____ mg/cm²

First Calibration Check

NIST SRM			First Average	Difference Between First Average and NIST SRM*
First Reading	Second Reading	Third Reading		
<u>1.8</u>	<u>1.6</u>	<u>1.7</u>	<u>1.7</u>	<u>0.2</u>
<u>289</u>	<u>290</u>	<u>291</u>		

Second Calibration Check

NIST SRM			Second Average	Difference Between Second Average and NIST SRM*
First Reading	Second Reading	Third Reading		
<u>1.6</u>	<u>1.8</u>	<u>1.7</u>	<u>1.7</u>	<u>0.2</u>
<u>416 UNCH</u>	<u>417</u>	<u>418</u>		

Third Calibration Check (if required)

NIST SRM			Third Average	Difference Between Third Average and NIST SRM*
First Reading	Second Reading	Third Reading		
<u>1.9</u>	<u>1.9</u>	<u>1.9</u>	<u>1.9</u>	<u>0</u>
<u>419 RETURN</u>	<u>420</u>	<u>421</u>		

Fourth Calibration Check (if required)

NIST SRM			Fourth Average	Difference Between Fourth Average and NIST SRM*
First Reading	Second Reading	Third Reading		
<u>1.8</u>	<u>1.6</u>	<u>1.6</u>	<u>1.6</u>	<u>0.3</u>
<u>595 CND OF SHIP</u>	<u>596</u>	<u>597</u>		

* If the difference of the Calibration Check Average from the NIST SRM film value is greater than the specified Calibration Check Tolerance for this device, consult the manufacturer's recommendations to bring the instrument back into control. Retest all testing combinations tested since the last successful Calibration Check test.

Calibration Check Test Results
RMD XRF Unit

PAGE 1 OF 1

Address / Unit No. SANTA MONICA H.S. - 601 PICO BLVD.
SANTA MONICA, CA 90405

Device: RMD XRF

Date: 5/6/09 XRF Serial No. 1482 / 1332 CIRCLE ONE

Contractor: ATC Assoc.

* Inspector Name: D. CARRIER * Signature [Signature]

NIST SRM Used 1.0 mg/cm² Calibration Check Tolerance Used _____ mg/cm²

First Calibration Check

NIST SRM			First Average	Difference Between First Average and NIST SRM*
First Reading	Second Reading	Third Reading		
<u>0.9</u>	<u>0.9</u>	<u>0.8</u>	<u>0.9</u>	<u>-1</u>

Second Calibration Check

NIST SRM			Second Average	Difference Between Second Average and NIST SRM*
First Reading	Second Reading	Third Reading		
<u>1.0</u>	<u>1.0</u>	<u>0.9</u>	<u>1.0</u>	<u>0</u>

Third Calibration Check (if required)

NIST SRM			Third Average	Difference Between Third Average and NIST SRM*
First Reading	Second Reading	Third Reading		
<u>0.9</u>	<u>0.8</u>	<u>0.9</u>	<u>0.9</u>	<u>-1</u>

Fourth Calibration Check (if required)

NIST SRM			Fourth Average	Difference Between Fourth Average and NIST SRM*
First Reading	Second Reading	Third Reading		
<u>1.0</u>	<u>1.0</u>	<u>1.0</u>	<u>1.0</u>	<u>0</u>

* If the difference of the Calibration Check Average from the NIST SRM film value is greater than the specified Calibration Check Tolerance for this device, consult the manufacturer's recommendations to bring the instrument back into control. Retest all testing combinations tested since the last successful Calibration Check test.

Calibration Check Test Results
RMD XRF Unit

PAGE 1 OF 1

Address / Unit No. SANTA MONICA H.S. - 601 PICO BLVD.
SANTA MONICA, CA 90405

Device: RMD XRF

Date: 05/07/09 XRF Serial No. 1482 / 1332 CIRCLE ONE

Contractor: ATC Assoc.

* Inspector Name: Robert de la Torre * Signature [Signature]

NIST SRM Used _____ mg/cm² Calibration Check Tolerance Used _____ mg/cm²

First Calibration Check

NIST SRM			First Average	Difference Between First Average and NIST SRM*
First Reading	Second Reading	Third Reading		
<u>1.5</u>	<u>1.6</u>	<u>1.5</u>	<u>1.5</u>	<u>0.4</u>
<u>824</u>	<u>825</u>	<u>826</u>		

Second Calibration Check

NIST SRM			Second Average	Difference Between Second Average and NIST SRM*
First Reading	Second Reading	Third Reading		
<u>1.8</u>	<u>1.9</u>	<u>1.9</u>	<u>1.9</u>	<u>0</u>
<u>1076</u>	<u>1077</u>	<u>1078</u>		

Third Calibration Check (if required)

NIST SRM			Third Average	Difference Between Third Average and NIST SRM*
First Reading	Second Reading	Third Reading		
<u>2.0</u>	<u>1.8</u>	<u>1.9</u>	<u>1.9</u>	<u>0</u>
<u>1138</u>	<u>1139</u>	<u>1140</u>		

Fourth Calibration Check (if required)

NIST SRM			Fourth Average	Difference Between Fourth Average and NIST SRM*
First Reading	Second Reading	Third Reading		

* If the difference of the Calibration Check Average from the NIST SRM film value is greater than the specified Calibration Check Tolerance for this device, consult the manufacturer's recommendations to bring the instrument back into control. Retest all testing combinations tested since the last successful Calibration Check test.

Calibration Check Test Results
RMD XRF Unit

PAGE 1 OF 1

Address / Unit No. SANTA MONICA H.S. - 601 PICO BLVD.

SANTA MONICA, CA 90405

Device: RMD XRF

Date: 05/08/09. XRF Serial No. 1482/1332 CIRCLE ONE

Contractor: ATC Assoc.

* Inspector Name: Robert DeLa Torre * Signature: [Signature]

NIST SRM Used _____ mg/cm² Calibration Check Tolerance Used _____ mg/cm²

First Calibration Check

NIST SRM			First Average	Difference Between First Average and NIST SRM*
First Reading	Second Reading	Third Reading		
<u>1.5</u>	<u>1.5</u>	<u>1.5</u>	<u>1.5</u>	<u>0.4</u>
<u>1141</u>	<u>1142</u>	<u>1143</u>		

Second Calibration Check

NIST SRM			Second Average	Difference Between Second Average and NIST SRM*
First Reading	Second Reading	Third Reading		
<u>1.6</u>	<u>1.6</u>	<u>1.5</u>	<u>1.6</u>	<u>0.3</u>
<u>1378</u>	<u>1379</u>	<u>1380</u>		

Third Calibration Check (if required)

NIST SRM			Third Average	Difference Between Third Average and NIST SRM*
First Reading	Second Reading	Third Reading		

Fourth Calibration Check (if required)

NIST SRM			Fourth Average	Difference Between Fourth Average and NIST SRM*
First Reading	Second Reading	Third Reading		

* If the difference of the Calibration Check Average from the NIST SRM film value is greater than the specified Calibration Check Tolerance for this device, consult the manufacturer's recommendations to bring the instrument back into control. Retest all testing combinations tested since the last successful Calibration Check test.

LEAD HAZARD EVALUATION REPORT**Section 1 — Date of Lead Hazard Evaluation** May 4, 2009**Section 2 — Type of Lead Hazard Evaluation (Check one box only)**☒ Lead Inspection ☐ Risk assessment ☐ Clearance Inspection ☐ Other (specify) _____**Section 3 — Structure Where Lead Hazard Evaluation Was Conducted**

Address [number, street, apartment (if applicable)]	City	County	Zip Code
601 Pico Boulevard	Santa Monica	Los Angeles	90405

Construction date (year)
of structure

Unknown

Type of structure (check one box only)

☐ Multi-unit building ☒ School or daycare ☐ Single family dwelling
☐ Other (specify) _____**Section 4 — Owner of Structure (if business/agency, list contact person)**

Name	Telephone number
SMMUSD/Virginia Hyatt	310-450-8338

Address [number, street, apartment (if applicable)]	City	State	Zip Code
1651 Sixteenth Street	Santa Monica	CA	90404


Section 5 — Results of Lead Hazard Evaluation (check all that apply)

<input type="checkbox"/> No lead-based paint detected.	<input checked="" type="checkbox"/> Lead-based paint detected.
<input type="checkbox"/> No lead hazards detected.	<input checked="" type="checkbox"/> Lead hazards detected.

Section 6 — Individual Conducting Lead Hazard Evaluation

Name	Telephone number
ATC Associates Inc./Paul Cota	323-517-9780

Address [number, street, apartment (if applicable)]	City	State	Zip Code
25 Cupania Circle	Monterey Park	CA	91755

CDPH certification number	Signature	Date
LRCIA No. 14316		5-4-09

Name and CDPH certification number of any other individuals conducting sampling or testing (if applicable)

Robert de la Torre - LRCIA No. 14598

Damon Carrier - LRCIA No. 19034

Section 7 — Attachments

- A. A foundation diagram or sketch of the structure indicating the specific locations of each lead hazard or presence of lead-based paint;
- B. Each testing method, device, and sampling procedure used;
- C. All data collected, including quality control data, laboratory results, including laboratory name, address, and phone number.

First copy and attachments retained by inspector

Second copy and attachments retained by owner

Third copy only (no attachments) mailed or faxed to:

California Department of Public Health
Childhood Lead Poisoning Prevention Branch Reports
850 Marina Bay Parkway, Building P, Third Floor
Richmond, CA 94804-6403
Fax: (510) 620-5656

APPENDIX A

LEAD PAINT CHIPS MATERIAL INVENTORY

**MATERIAL INVENTORY
PAINT CHIP SAMPLES**

Page 1 of 3

CLIENT: Santa Monica-Malibu Unified School District
PROJECT NO: 106-0531
PROJECT NAME: Santa Monica High School

Component	Sample No.	Substrate	Paint Color	Sample Location	Material Location	Results (PPM)
Wall	5713	Stucco	White	English Building - north center wall	Buildings: Technology, English, Language, History, Business, North Gym/Drake Pool/South Gym, Music, Administration, Cafeteria	600
Handrail	5714	Metal	Blue	Technology Building - west center	Buildings: Technology, Science west and east sides	300
Flashing	5715	Metal	White	North Gym Building - west center	Buildings: Technology, Science, English, Language, History, Business, North Gym/Drake Pool/South Gym, Music, Administration, Cafeteria	<100
Downspout	5716	Metal	White	Language Building - east center	Buildings: Science, English, Language, Business, North Gym/Drake Pool/South Gym, Music, Cafeteria	2,100
Support post	5717	Metal	Blue	Cafeteria Building - northeast	Buildings: Administration, Cafeteria - walkways, support posts, support beams; North Gym/Drake Pool/South Gym - west and east sides walkways and support beams	150
Window sash	5718	Metal	Blue	Science Building - south center window sash	Science Building - window sashes only	350
Wall	5719	Concrete	White	North Gym/Drake Pool - east center	Buildings: Science, North Gym/Drake Pool/South Gym	<100
Door casing	5721	Metal	Blue	Music Building - north center	Buildings: Science, Language, Music - all doors and door casings except main entrances to Language building	<100

APPENDIX B

FIELD NOTES & LABORATORY RESULTS



AmeriSci Los Angeles

24416 SOUTH MAIN STREET • SUITE 308
CARSON, CA 90745

TEL: (310) 834-4868 • FAX: (310) 834-4772

January 3, 2007

CTL Environmental Services

Attn: Cesar R.

24404 S. Vermont Ave.

Suite 307

Harbor City, CA 90710

RE: CTL Environmental Services

Job Number 406121352

P.O. # 30698

106-0531; SMMUSD; Santa Monica High School

Dear Cesar R.:

Enclosed are the results for lead analysis of the following CTL Environmental Services sample(s) received at AmeriSci on December 27, 2006, for a 5 day turnaround:

5713, 5714, 5715, 5716, 5717, 5718, 5719, 5721, 5722, 5723, 5724, 5725, 5726, 5727, 5728, 5729, 5730, 5731, 5732, 5733

The 20 sample(s) contained in Ziplock Bags were shipped to AmeriSci via Hand delivery. The sample(s) were received in Good condition. The sample(s) were prepared and analyzed by modified EPA SW-846 Methods 3050 & 7420 using Flame Atomic Absorption Spectroscopy.

Table I represents a summary of the analysis results. Unless otherwise specified, all quality control data met acceptance criteria.

This report relates ONLY to the sample analysis expressed as lead in ppm (mg/kg). AmeriSci assumes no responsibility for customer supplied data such as "sample location" or "area of collection". Complete analytical documentation is archived and available upon written request. The National Institute of Standards and Technology Accreditation requirements, mandates that this report must not be reproduced, except in full without the written approval of the laboratory.

AmeriSci appreciates this opportunity to serve your organization. Please contact us for any further assistance or questions.

Sincerely,

A handwritten signature in black ink, appearing to read "Mary S. David".

Mary S. David

Client Services Manager

**AmeriSci Los Angeles**

24416 S. Main Street, Ste 308
Carson, California 90745
TEL: (310) 834-4868 • FAX: (310) 834-4772

AmeriSci Job #: 406121352**Lead Analysis Results****Date Received: 12/27/06****Date Analyzed: 01/03/07****Paint****EPA Method 3050/7420****CTL Environmental Services****Harbor City, CA****Job Site: 106-0531; SMMUSD; Santa Monica High School**

AmeriSci # 406121352	Client Number	Sample Location	% Lead (w/w)	Lead (mg/kg = ppm)
01	5713	Wall Stucco White	0.060	600
02	5714	Handrail Metal Blue	0.030	300
03	5715	Flashing Metal White	<0.01	<100
04	5716	Downspout Metal White	0.21	2,100
05	5717	Support Post. Metal White	0.015	150
06	5718	Window Sash Metal Blue	0.035	350
07	5719	Wall Concrete White	<0.01	<100
08	5721	Door Casing Metal Blue	<0.01	<100
09	5722	Door Metal Dark Blue	<0.01	<100
10	5723	Vent Metal White	0.32	3,200
11	5724	Window Casing Metal White	0.027	270
12	5725	Ceiling (Walkway) Metal White	0.23	2,300
13	5726	Floor Concrete Dark Blue	<0.01	<100
14	5727	Door (Garage) Metal Blue	<0.01	<100
15	5728	Door Casing Garage Wood White	1.3	13,000
16	5729	Piping Metal White	<0.01	<100
17	5730	Wall Stucco Beige	<0.01	<100
18	5731	Door Metal Orange	<0.01	<100
19	5732	Window Casing Wood White	0.063	630
20	5733	Wall Brick White	<0.01	<100

AmeriSci Reporting Limit is 0.01%, or 100mg/kg.
AmeriSci does not correct sample results by the blank value.
CA ELAP No. 2322. AIHA Lab No. 100530.

Reviewed by:**Analyzed by:****Minh Q. Phung**



Asbestos, Lead Analysis Chain of Custody

AMERISCI LOS ANGELES
 24416 S Main St. Suite 308
 Carson, CA 90745
 Phone (310) 834-4868
 Fax (310) 834-4772

AMERISCI JOB #:

40 61 2 1352

COMPANY: <i>CTL</i>		ADDRESS:					P.O.#: <i>30698</i>			
PROJECT INFORMATION		ANALYSIS TYPE		TURNAROUND TIME					AIR FILTER	
				RUSH	24 HR	48 HR	72 HR	5 DAY	INFORMATION:	
JOB NAME: <i>SMM. USD</i>		ASBESTOS TEM AHERA							MCE	
		ASBESTOS PLM BULK							PC	
JOB NUMBER: <i>106-0531</i>		ASBESTOS PCM AIR							25 mm	
		ASBESTOS PLM 1000 P.C.							37 mm	
JOB MANAGER: <i>Cecilia Rivala</i>		LEAD AIR BY FLAA							0.45 um	
		LEAD WIPE BY FLAA							0.80 um	
JOB DESCRIPTION: <i>Santa Monica High School</i>		LEAD PAINT / SOLID BY FLAA							TEMP:	
		OTHER:							OTHER:	
INITIAL RESULTS DELIVERY: <input type="checkbox"/> FAX <input type="checkbox"/> EMAIL <input type="checkbox"/> VERBAL <input type="checkbox"/> MAIL ONLY								RETURN SAMPLES Yes ___ No ___		
REPORTS TO:								PHONE:		
INVOICE TO:								FAX:		
COMMENTS:								EMAIL:		
								PAGER/CELL:		
SAMPLE ID	SAMPLE LOCATION	START TIME	STOP TIME	TOTAL TIME	LITERS / MIN.	TOTAL VOLUME	AREA SQ FT	DATE COLLECTED		
5713	wall stucco white							12-27-06		
5714	handrail metal blue									
5715	flushing metal white									
5716	Downspout metal white									
5717	support post metal blue									
5718	window sash metal blue									
5719	wall concrete white									
5721	Door casing metal blue									
5722	door metal dark blue									
5723	vent metal white									
5724	window casing metal white									
5725	casing (walkway) metal white									
5726	floor concrete dark blue									
5727	Door (Garage) metal blue									
5728	door casing Garage wood white									
5729	piping metal white									
5730	wall stucco beige									
5731	door metal orange									
5732	window casing wood white									
5733	wall brick white									
SAMPLED BY: <i>Victor Sanchez</i>		DATE/TIME: <i>12-27-06</i>		RECEIVED BY:		DATE/TIME:				
RELINQUISHED BY: <i>Victor Sanchez</i>		DATE/TIME: <i>12-27-06</i>		RECEIVED BY:		DATE/TIME:				
RELINQUISHED BY: <i>[Signature]</i>		DATE/TIME:		RECEIVED IN LAB BY: <i>[Signature]</i>		DATE/TIME: <i>12/27/06 @ 1300</i>				

Asbestos, Environmental Chemistry and Microbiology Analysis

Reaction Los Angeles New York Richmond

Page of

CTL ENVIRONMENTAL SERVICES

PAINT CHIP SAMPLE LIST

CLIENT: SMMUSD
 PROJECT NO.: 106-0531
 PROJECT NAME: Santa Monica High School

Technician: V. Sanchez
 DATE: 12/27/06
 PAGE: 1 of 3

PHOTO #	COMPONENT	SAMPLE #	SUBSTRATE	PAINT COLOR	SAMPLE LOCATION	MATERIAL LOCATION
	Stucco wall	5713	stucco	white	English Bldg - North center wall	Bldgs - Technology, English, Language, History Business, North Gym/Drake Pool/South Gym Bldg, Music Administration, Cafeteria
	Handrail	5714	Metal	Blue	Technology - West Center	Bldgs - Technology, Science west & east sides
	Flooring	5715	Metal	white	North Gym - West Center	Bldgs - Technology, Science, English, Language, History, Business, North Gym/Drake Pool/South Gym Bldg, Music, Administration, Cafeteria AU
	Downspout	5716	Metal	white	Language Bldg - East Center	Bldgs - Technology , Science, English, Language Business, North Gym/Drake Pool/South Pool Bldg, Music cafeteria
	Window Support Post	5717	Metal	Blue	Cafeteria - North East	Bldgs - Administration Bldg, Cafeteria walkways, support posts support beams north gym/drakepool/south gym bldg west & east side walkway support beams
	Window Sash	5718	Metal	Blue	Science Bldg - South Center window Sash	Bldg - Science (window sashes only)

CTL ENVIRONMENTAL SERVICES

PAINT CHIP SAMPLE LIST

CLIENT: SMUSD
 PROJECT NO.: 106-0531
 PROJECT NAME: Santa Monica High School

Technician: V. Sanchez
 DATE: 12/28/06
 PAGE: 2 of 3

PHOTO #	COMPONENT	SAMPLE #	SUBSTRATE	PAINT COLOR	SAMPLE LOCATION	MATERIAL LOCATION
	Wall	5719	Concrete	White	North Gym/Drake Pool-East Center	Bldg - Science, North Gym/Drake Pool/South Gym
	Door Casings	5721	Metal	Blue	Mus. Bldg - North Center	Bldg - Science, Language, Music, doors & door casings on doors & door casings except main entrances to Language bldg.
	Door	5722	Metal	Dark Blue	History Bldg - South Center	Bldg - English, History, Business, North Gym/Drake Pool/South Gym, Administration, Cafeteria ^{and} doors & door casings & Except main entrances to technology & English bldgs.
	Vent	5723	Metal	White	North Gym - North West weather face	Bldgs: English, Language, History, North Gym/Drake Pool/South Gym, Administration, cafeteria, admin
	Window Casings	5724	Metal	White	History Bldg - South center	Bldg - History, Business, Administration, Cafeteria window casings & window sashes
	Ceiling Walk way	5725	Metal	White	South Gym - North East Entrance	North Gym/Drake Pool/South Gym Building, Administration Bldg, cafeteria bldg. walkways.

APPENDIX C

XRF INVENTORY AND FIELD NOTES

Positive XRF Shot List

Santa Monica High School

Reading No.	Room Name	Wall	Structure	Material Location	Sample Location	Member	Paint Condition	Substrate	Paint Color	Lead (mg/cm ²)
10	Exterior room 1, technology	C	Downspout	Technology building	Center	N/A	I	Metal	White	2.0
12	Exterior room 2, science	A	Window	Science building, all window casings	Center	Right casing	I	Metal	Blue	0.8
14	Exterior room 2, science	A	Transom	Science building, all	Center	N/A	I	Wood	Gray	0.8
45	Exterior room 5, history	B	Downspout	History building, all	Center	N/A	I	Metal	White	0.8
47	Exterior room 5, history	B	Post	History building, east side, north entrance	Center	N/A	P	Metal	Blue	>9.9
49	Exterior room 5, history	B	Handrail	History, east side, northern most end	Right	N/A	F	Metal	Blue	>9.9
56	Exterior room 6, business	C	Post	Business building, all	Right	N/A	I	Metal	Blue	1.7
72	Exterior room 7, north/south gyms and drake pool	A	Stairs	North gym, Drake pool, south gym building, north side stairwell	Center	Treads	P	Metal	Blue	0.8
78	Exterior room 7, north/south gyms and drake pool	D	Fascia	North gym, Drake pool, south gym building, west side center at storage area (lower roof)	N/A	N/A	P	Wood	Blue	0.8
84	Exterior room 8, nurses/Barnum hall	A	Handrail	Music/Barnum Hall building, north side stairwell	Right	N/A	P	Metal	Blue	0.8
92	Exterior room 8, nurses/Barnum hall	B	Window	Music/Barnum Hall building, east side	Center	Right casing	I	Metal	Blue	2.1
93	Exterior room 8, nurses/Barnum hall	B	Window	Music/Barnum Hall building, east side	Center	Sash	I	Metal	Blue	2.1
90	Exterior room 8, nurses/Barnum hall	B	Door	Music/Barnum Hall building, east side entrance	Center	Left casing	I	Metal	Blue	3.1

DETAILED REPORT OF LEAD PAINT INSPECTION FOR: SMMUSD

Inspection Date: 12/27/06
 Report Date: 1/2/2007
 Abatement Level: 0.8
 Report No. 12/27/06 10:32
 Total Readings: 117
 Job Started: 12/27/06 10:32
 Job Finished: 12/27/06 13:28
 Conducted by: Victor Sanchez
 Certification number: 10148
 CTL job number: 106-0531
 Santa Monica High School

Read No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Paint Color	Lead (mg/cm ²)	Mode
Exterior Room 001 Technology									
011	B	Wall	L Ctr		I	Stucco	White	0.3	QM
009	C	Wall	L Ctr		I	Stucco	White	0.2	QM
008	C	Flashing	Lft		I	Metal	White	0.2	QM
010	C	D Spout.	Ctr		I	Metal	White	2.0	QM
004	D	Wall	L Rgt		I	Stucco	White	0.4	QM
006	D	Door	Ctr	Rgt casing	F	Metal	Blue	0.2	QM
005	D	Door	Ctr	U Ctr	F	Metal	Blue	-0.1	QM
007	D	Handrail	Ctr		P	Metal	Blue	0.0	QM
Exterior Room 002 Science									
012	A	Window	Ctr	Rgt casing	I	Metal	Blue	0.8	QM
013	A	Window	Ctr	Sash	I	Metal	Blue	0.3	QM
014	A	Transom	Ctr		I	Wood	Gray	0.8	QM
016	B	Wall	L Ctr		I	Concrete	White	0.1	QM
015	B	Wall	L Rgt		I	Stucco	White	0.1	QM
018	B	Door	Ctr	Rgt casing	I	Metal	Blue	-0.1	QM
019	B	Post	Lft		F	Metal	Blue	-0.1	QM
017	B	Handrail	Ctr		F	Metal	Blue	0.0	QM
020	B	D Spout.	Ctr		I	Metal	White	0.0	QM
021	D	Wall	L Ctr		I	Concrete	White	0.0	QM
Exterior Room 003 English									
022	A	Wall	L Rgt		I	Stucco	White	0.2	QM
023	A	D Spout.	Rgt		I	Metal	White	0.0	QM
025	B	Wall	L Rgt		I	Stucco	White	0.4	QM
029	C	Wall	L Ctr		I	Stucco	White	0.4	QM
030	C	Handrail	Ctr		P	Metal	Blue	0.2	QM
027	D	Door	Ctr	Rgt casing	I	Metal	Blue	-0.2	QM
026	D	Door	Ctr	U Ctr	I	Metal	Blue	0.0	QM
024	D	Flashing	Lft		I	Metal	White	0.0	QM
028	D	Vent	Ctr		I	Metal	White	-0.1	QM
Exterior Room 004 Language									
037	A	Wall	L Lft		I	Stucco	White	0.3	QM
038	A	Column	Rgt		I	Concrete	White	0.2	QM
034	B	Wall	L Ctr		I	Stucco	White	0.1	QM
032	B	Door	Ctr	Rgt casing	F	Metal	Blue	-0.1	QM
031	B	Door	Ctr	U Ctr	F	Metal	Blue	-0.2	QM
033	B	D Spout.	Ctr		I	Metal	White	0.0	QM
035	C	Wall	L Rgt		I	Stucco	White	0.3	QM
036	C	D Spout.	Ctr		I	Metal	White	0.1	QM

DETAILED REPORT OF LEAD PAINT INSPECTION FOR: SMMUSD

Inspection Date: 12/27/06
Report Date: 1/2/2007
Abatement Level: 0.8
Report No. 12/27/06 10:32
Total Readings: 117
Job Started: 12/27/06 10:32
Job Finished: 12/27/06 13:28
Conducted by: Victor Sanchez
Certification number: 10148
CTL job number: 106-0531
Santa Monica High School

Calibration Readings

001	1.0	TC
002	0.9	TC
003	1.0	TC
115	1.0	TC
116	0.9	TC
117	0.9	TC

---- End of Readings ----

Calibration Check Test Results

Page 1 of 1

Address/Unit No. Santa Monica H.S.

Device 1184 RMD

Date 12-27-06

XRF Serial No. 1184

Contractor CTL

Inspector Name Victor Sanchez

Signature [Signature]

NIST SRM Used 1.04 mg/cm²

Calibration Check Tolerance Used ±.3 mg/cm²

First Calibration Check

NIST SRM			First Average	Difference Between first Average and NIST SRM*
First Reading	Second reading	Third reading	0.96	0.08
1.0	0.9	1.0		

Second Calibration Check

NIST SRM			First Average	Difference Between first Average and NIST SRM*
First Reading	Second reading	Third reading	0.93	0.11
1.0	0.9	0.9		

Third Calibration Check (if required)

NIST SRM			First Average	Difference Between first Average and NIST SRM*
First Reading	Second reading	Third reading		

Fourth Calibration Check (not required)

NIST SRM			First Average	Difference Between first Average and NIST SRM*
First Reading	Second reading	Third reading		

* if the difference of the Calibration Check Average from the NIST SRM film value is greater than the specified Calibration Check Tolerance for this device, consult the manufacturer's recommendations to bring the instrument back into control. Retest all testing combinations tested since the last successful Calibration Check test.

LEAD HAZARD EVALUATION REPORT

Section 1—Date of Lead Hazard Evaluation 12-27-06

Section 2—Type of Lead Hazard Evaluation (Check one box only)

☐ Lead inspection ☐ Risk assessment ☐ Clearance inspection ☐ Other (specify) _____

Section 3—Structure Where Lead Hazard Evaluation Was Conducted

Address [number, street, apartment (if applicable)] <u>601 Pico Blvd.</u>	City <u>Santa Monica</u>	County <u>LA</u>	ZIP code <u>90405</u>
Construction date (year) of structure	Type of structure (check one box only) <input type="checkbox"/> Single family dwelling <input type="checkbox"/> Multi-unit building <input type="checkbox"/> Child-occupied facility <input checked="" type="checkbox"/> Other (specify) <u>Santa Monica H.S. School.</u>		

Section 4—Owner of Structure (If business/agency, list contact person)

Name <u>Santa Monica - Malibu. USD.</u>	Telephone number <u>WALLY Berryman</u> <u>(310) 450 8338</u>		
Address [number, street, apartment (if applicable)] <u>1651 16th St.</u>	City <u>Santa Monica</u>	State <u>CA.</u>	ZIP code <u>90404</u>

Section 5—Results of Lead Hazard Evaluation (Check one box only)

☐ No lead-based paint detected.

A lead inspection was conducted following the procedures outlined in Title 17, California Code of Regulations, Division 1 Chapter 8. No lead-based paint was detected during this lead inspection. This structure is found to be lead-based paint free.

☐ No lead hazards detected.

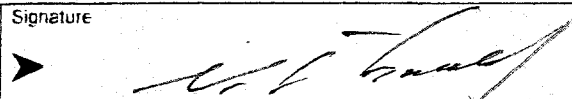
Lead hazard evaluation was conducted following the procedures outlined in Title 17, California Code of Regulations Division 1, Chapter 8. No lead hazards were detected.

☒ Lead-based paint and/or lead hazards detected.

Lead hazard evaluation was conducted following the procedures outlined in Title 17, California Code of Regulations Division 1, Chapter 8. Lead-based paint and/or lead hazards were detected.

Section 6—Individual Conducting Lead Hazard Evaluation

Name <u>Victor Sanchez</u>	Telephone number <u>(310) 530-5006</u>		
Address [number, street, apartment (if applicable)] <u>24404 So. Vermont Ave #302</u>	City <u>Van Nuys City</u>	State <u>CA.</u>	ZIP code <u>91410</u>
Brand name and serial number of any portable x-ray fluorescence (XRF) instrument used (if applicable) <u>RMD LPA 1184</u>			

DHS certification number <u>10-148</u>	Signature 	Date <u>12-27-06</u>
---	--	-------------------------

Section 7—Attachments

- A. A foundation diagram or sketch of the structure indicating the specific locations of each lead hazard or presence lead-based paint;
- B. Each testing method, device, and sampling procedure used;
- C. All data collected, including quality control data, laboratory results, including laboratory name, address, and phone number

First copy and attachments retained by inspector

Second copy and attachments retained by owner

Third copy only (no attachments) mailed to:
Department of Health Services
Childhood Lead Poisoning Prevention Branch
Reports
1515 Clay Street, No. 1801
Oakland, CA 94612
FAX (510) 622-5002



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AmeriSci Los Angeles

24416 SOUTH MAIN STREET • SUITE 308

CARSON, CA 90745

TEL: (310) 834-4868 • FAX: (310) 834-4772

February 8, 2008

CTL Environmental Services

Attn: Cesar R.

24404 S. Vermont Ave.

Suite 307

Harbor City, CA 90710

RE: CTL Environmental Services

Job Number 908021165

P.O. #107-0008

107-0008; SMMUSD; St. Monica High / Tech. Bldg

Dear Cesar R.:

Enclosed are the results for polarized light microscopy analysis (PLM) of the following CTL Environmental Services samples received at AmeriSci on Friday, February 08, 2008, for a 3 day turnaround:

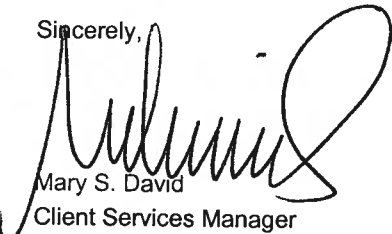
3478, 3479, 3480, 3481, 3482, 3483, 3484, 3485, 3486, 3487, 3488, 3489, 3490, 3491, 3492, 3493, 3494, 3495

The 18 samples contained in Ziplock Bags were shipped to AmeriSci via Hand delivery. These samples were prepared and analyzed according to the EPA Interim Method (EPA 600/M4-82-020 per 40 CFR 763, subpt F, App. A). The samples were evaluated for homogeneity by low power stereomicroscopy. Asbestos fibers were identified by PLM and dispersion staining through the determination of the required optical properties including: morphology, color, pleochroism, refractive indices, birefringence, extinction and sign of elongation. The required analytical information, analysis results, analyst signature and laboratory identification is contained in the Analyst's Report.

This report relates ONLY to the sample analysis expressed as percent asbestos. The CV for this analysis is expected to range from 0.3 to 1.2, depending on the quantity of analyte present. AmeriSci assumes no responsibility for customer supplied data such as "sample type", "location", or "area sampled". This report must not be used to claim product endorsement by AmeriSci,

AmeriSci appreciates this opportunity to serve your organization. Please contact us for any further assistance or with any questions.

Sincerely,



Mary S. David

Client Services Manager

**AmeriSci Los Angeles**

24416 S. Main Street, Ste 308
Carson, California 90745
TEL: (310) 834-4868 • FAX: (310) 834-4772

PLM Bulk Asbestos Report

CTL Environmental Services
Attn: Cesar R.
24404 S. Vermont Ave.
Suite 307
Harbor City, CA 90710

Date Received 02/08/08 **AmeriSci Job #** 908021165
Date Examined 02/08/08 **P.O. #**
Page 1 **of** 4
RE: 107-0008; SMMUSD; St. Monica High / Tech. Bldg

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
3478 Location: 4" Black Covebase & Glue Analyst Description: Black, Homogeneous, Non-Fibrous, Basecove Asbestos Types: Other Material: Non-fibrous 100 %	908021165-01L1	No	NAD (by CVES) by Olga K. Katsuk on 02/08/08
3478 Location: 4" Black Covebase & Glue Analyst Description: Off-White, Homogeneous, Non-Fibrous, Glue Asbestos Types: Other Material: Non-fibrous 100 %	908021165-01L2	No	NAD (by CVES) by Olga K. Katsuk on 02/08/08
3479 Location: Heater Unit Gasket Analyst Description: White, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Fibrous glass 95 %, Non-fibrous 5 %	908021165-02	No	NAD (by CVES) by Olga K. Katsuk on 02/08/08
3480 1 Location: Gypsum Joint Compound Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %	908021165-03	No	NAD (by CVES) by Olga K. Katsuk on 02/08/08
3481 1 Location: Gypsum Joint Compound Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %	908021165-04	No	NAD (by CVES) by Olga K. Katsuk on 02/08/08

PLM Bulk Asbestos Report

107-0008; SMMUSD; St. Monica High / Tech. Bldg

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
3482 1 Location: Gypsum Joint Compound	908021165-05	No	NAD (by CVES) by Olga K. Katsuk on 02/08/08
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
3483 1 Location: Gypsum Joint Compound	908021165-06	No	NAD (by CVES) by Olga K. Katsuk on 02/08/08
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
3484 Location: 2x2 Smooth Pinhole Ceiling Panel	908021165-07	No	NAD (by CVES) by Olga K. Katsuk on 02/08/08
Analyst Description: White, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 25 %, Fibrous glass 20 %, Non-fibrous 55 %			
3485 Location: 2x4 Fiss. Sq. C.P.	908021165-08	No	NAD (by CVES) by Olga K. Katsuk on 02/08/08
Analyst Description: White, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 30 %, Fibrous glass 20 %, Non-fibrous 50 %			
3486 Location: Lt. Blue Floor Sheeting	908021165-09L1	No	NAD (by CVES) by Olga K. Katsuk on 02/08/08
Analyst Description: Blue, Heterogeneous, Fibrous, Flooring Asbestos Types: Other Material: Cellulose 20 %, Non-fibrous 80 %			
3486 Location: Lt. Blue Floor Sheeting	908021165-09L2	No	NAD (by CVES) by Olga K. Katsuk on 02/08/08
Analyst Description: Beige, Homogeneous, Non-Fibrous, Mastic Asbestos Types: Other Material: Non-fibrous 100 %			

PLM Bulk Asbestos Report

107-0008; SMMUSD; St. Monica High / Tech. Bldg

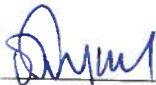
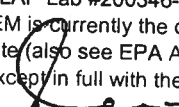
Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
3487	908021165-10	No	NAD
Location: 12" Gray Floor Tile			(by CVES) by Olga K. Katsuk on 02/08/08
Analyst Description: Grey, Homogeneous, Non-Fibrous, Flooring			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
Comment: No Mastic found			
3488	908021165-11	No	NAD
Location: 12" White Floor Tile			(by CVES) by Olga K. Katsuk on 02/08/08
Analyst Description: White, Homogeneous, Non-Fibrous, Flooring			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
Comment: No Mastic found			
3489	908021165-12	No	NAD
2	Location: Fireproofing		(by CVES) by Olga K. Katsuk on 02/08/08
Analyst Description: White, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 80 %, Non-fibrous 20 %			
3490	908021165-13	No	NAD
2	Location: Fireproofing		(by CVES) by Olga K. Katsuk on 02/08/08
Analyst Description: White, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 80 %, Non-fibrous 20 %			
3491	908021165-14	No	NAD
2	Location: Fireproofing		(by CVES) by Olga K. Katsuk on 02/08/08
Analyst Description: White, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 80 %, Non-fibrous 20 %			

PLM Bulk Asbestos Report

107-0008; SMMUSD; St. Monica High / Tech. Bldg

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
3492 2 Location: Fireproofing	908021165-15	No	NAD (by CVES) by Olga K. Katsuk on 02/08/08
Analyst Description: White, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 85 %, Non-fibrous 15 %			
3493 2 Location: Fireproofing	908021165-16	No	NAD (by CVES) by Olga K. Katsuk on 02/08/08
Analyst Description: White, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 85 %, Non-fibrous 15 %			
3494 Location: Octogan Lab Counter	908021165-17	No	NAD (by CVES) by Olga K. Katsuk on 02/08/08
Analyst Description: Blue, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
3495 Location: Rectangular Lab Counter	908021165-18	No	NAD (by CVES) by Olga K. Katsuk on 02/08/08
Analyst Description: Blue, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			

Reporting Notes:

Analyzed By: Olga K. Katsuk ; Date Analyzed: 2/8/2008 2.8.08
 *NAD = no asbestos detected; Detection Limit <1%; Reporting Limits: CVES = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; NA = not analyzed; NA/PS = not analyzed / positive stop; NVA = No Visible Asbestos; PLM (polarized light microscopy) Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab #200346-0, CA ELAP lab #2322); Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar NOB materials. TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). NIST Accreditation requirements mandate that this report must not be reproduced except in full with the approval of the laboratory. This PLM report relates ONLY to the items tested.
 Reviewed By:  2/9/08

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CHAIN OF CUSTODY RECORD

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AMERISCI JOB NO:

908021165-

PAGE 1 OF 2

DUE DATE:

☐ RUSH ☐ 24 HR ☐ 48 HR ☒ 3 DAY ☐ 5 DAY ☐ 7 DAY

TEMP UPON RECEIPT:

DATA PACKAGE:

P.O.#

COMPANY:

OR

ADDRESS:

PHONE:

FAX 1:

FAX 2:

CLIENT CONTACT:

Desor Favalco

EMAIL:

PROJECT NAME:

St. Monica High - Food Bldg.

PROJECT NUMBER:

107-0008

PROJECT STATE:

CA

 MATRIX: A-WATER S-SOIL/SOLIDS SL-SLUDGE OIL-OIL CH-CHIPS WI-WIPES
 C-CASSETTES W-WASTE O-OTHER

CONTAINER: P-PLASTIC G-GLASS V-VOA

LAB ID

CLIENT SAMPLE IDENTIFICATION

MATRIX

CONTAINER

SIZE

TYPE

#

SAMPLING INFORMATION

DATE

TIME

TECH

GRAB (G) OR COMPOSITE (C)

PRESERVATIVES

SAMPLE PH AT LOGIN

Notes:

3478

Br/k

N/A

Bag

1

4/2/07

N/A

V.S.

✓

4" block core base & glue

3479

Br/k

N/A

Bag

1

4/2/07

N/A

V.S.

✓

Hooter Unit gasket

3480

Br/k

N/A

Bag

1

4/2/07

N/A

V.S.

✓

Gypsum joint compound

3481

Br/k

N/A

Bag

1

4/2/07

N/A

V.S.

✓

Gypsum joint compound

3482

Br/k

N/A

Bag

1

4/2/07

N/A

V.S.

✓

Gypsum joint compound

3483

Br/k

N/A

Bag

1

4/2/07

N/A

V.S.

✓

Gypsum joint compound

3484

Br/k

N/A

Bag

1

4/2/07

N/A

V.S.

✓

Gypsum joint compound

3485

Br/k

N/A

Bag

1

4/2/07

N/A

V.S.

✓

Gypsum joint compound

3486

Br/k

N/A

Bag

1

4/2/07

N/A

V.S.

✓

Gypsum joint compound

3487

Br/k

N/A

Bag

1

4/2/07

N/A

V.S.

✓

Gypsum joint compound

3488

Br/k

N/A

Bag

1

4/2/07

N/A

V.S.

✓

Gypsum joint compound

SAMPLED BY: (PRINT)

Desor Favalco

(SIGN)

DATE:

4/2/07

RECEIVED BY: (PRINT)

DATE:

RELINQUISHED BY: (PRINT)

Desor Favalco

(SIGN)

DATE:

4/8/08

RECEIVED BY: (PRINT)

DATE:

RELINQUISHED BY: (PRINT)

(SIGN)

DATE:

RECEIVED FOR LABORATORY BY:

K. Arellano

DATE:

2/8/08

TIME:

(SIGN)

TIME:

0805

Positive Strip 71%

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AMERISCI JOB NO:

908021165-

PAGE 2 OF 2

DUE DATE:

☐ RUSH ☐ 24 HR ☐ 48 HR ☒ 3 DAY ☐ 5 DAY ☐ 7 DAY

TEMP UPON RECEIPT:

DATA PACKAGE:

P.O.#

COMPANY:

ADDRESS:

PHONE:

FAX 1:

FAX 2:

CLIENT CONTACT:

EMAIL:

PROJECT NAME:

PROJECT NUMBER:

PROJECT STATE:

 MATRIX: **A-WATER S-SOIL/SOLIDS SL-SLUDGE OIL-OIL CH-CHIPS WI-WIPES**
C-CASSETTES W-WASTE O-OTHER

 CONTAINER: **P-PLASTIC G-GLASS V-VOA**

LAB ID

CLIENT SAMPLE IDENTIFICATION

MATRIX

CONTAINER

SIZE

TYPE

#

DATE

TIME

TECH

SAMPLING INFORMATION

GRAB (G) OR COMPOSITE (C)

PRESERVATIVES

SAMPLE PH AT LOGIN

Notes:

3488

Bul/C

N/A

Bag

1

4/2/07

N/A

N.A.

3489

3490

3491

3492

3493

3494

3495

Bul/C

Bul/C

Bul/C

Bul/C

Bul/C

Bul/C

Bul/C

Bul/C

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

Bag

Bag

Bag

Bag

Bag

Bag

Bag

Bag

1

1

1

1

1

1

1

1

4/2/07

4/2/07

4/2/07

4/2/07

4/2/07

4/2/07

4/2/07

4/2/07

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N.A.

N.A.

N.A.

N.A.

N.A.

N.A.

N.A.

N.A.

SAMPLED BY: (PRINT)

Vic Cfr Sanchez

(SIGN)

DATE:

4/2/07

TIME:

RECEIVED BY: (PRINT)

DATE:

TIME:

RELINQUISHED BY: (PRINT)

Jose R. Swalcoban

(SIGN)

DATE:

2/8/07

TIME:

RECEIVED BY: (PRINT)

DATE:

TIME:

RELINQUISHED BY: (PRINT)

(SIGN)

DATE:

TIME:

RECEIVED FOR LABORATORY BY:

L. Arellano

DATE:

TIME:

2/8/07

0805

CIT ENVIRONMENTAL SERVICES

FIELD BULK SAMPLE LIST

CLIENT: SMMUSD
 PROJECT NO.: 167-0008
 PROJECT NAME: Santa Monica H.S.

Technician: V. Sanchez
 Date: 4-2-07
 Page: 1 of 5

Technology
bldg.

PHOTO #	MATERIAL	SAMPLE #	SAMPLE LOCATION	MATERIAL LOCATION	EST. QTY.	F	D
	4" black can base & glue	3478	Rm T11 N/W.	Rm T11, RMS T101-T113 Rms T-200-T219 offices & storagerms (except T105)	3500 Li.FT	N	N.
	basement floor. observed TSI in mchrm runs & elbows			T10, T11, cover of fiberglass pipe			
	Gypsum board. wall joint compound	T80286 02802 02803		T11, T10 S/W side wall, RMS T101-T113 offices & storagerms	29000 sq.ft	N	N
		3480	T-100 WEST CTN.	RMS. T200 Thru T219 including offices & storage rms,			
		3481	T-105 N/W.				
		3482	T-214 N/E				
		3483	T-200 S/E				
	HTN unit. Gaster.	3479	T12 mchrm. EAST CTN.	T12 mchrm	2 ea.	N	N
	2x2 smooth Pinhole ceiling panel	3484	T100 EAST CTN	RMS T100 thru T113, T214 FIRST flr. offices & storagerms.	9500 sq.ft	Y	N
	2x4 Pissured square pattern c. Panel	3485	T-212 CTN	2nd flr Hallway. RMS T-200 thru T-219 (except Rm T214) - also	85000 sq.ft	N	N
	light blue. Floor sheathing	3486	T214 N/W.	2nd flr hallway & Rm T214.	2800 sq.ft	N	N
	12" gray speckled Rv tile	3487	T215 N/E	RMS, T-100 thru T113 including offices and storage rms, RMS T200 Thru - T219 (except T105)	17000 sq.ft	N	N

CIT ENVIRONMENTAL SERVICES

FIELD BULK SAMPLE LIST

CLIENT: SMUSD.
 PROJECT NO.: 107-0008
 PROJECT NAME: Sanctuary 12-S.

Technician: V. Sando
 Date: 3-4-07
 Page: 2 of 5

Technology 3/19

PHOTO #	MATERIAL	SAMPLE #	SAMPLE LOCATION	MATERIAL LOCATION	EST. QTY.	F	D
	12" white & pink Flr tile	3488	T 214 CTR	RMS T 100 THRU T 113 (except RM T 105) Rms T 200 thru T 219 including • fixtures and storage rms, 1st & 2nd flrs	1560 sq. ft	N	N
	Fireproofing	3489	RM T 105 N/W	support beams (metal) RM T 105 • deck	2400 sq. ft	yes	N
		3490	N/E				
		3491	S/W				
		3492	S/E				
		3493	CTR				
	ROOF MASTIC	AS seen		ROOF penetration	150 sq. ft	N	N
	chisel bond.	AS seen		RMS T 100 - T 113. RMS T 200 - T 219.	100 ea	N	N
Lab	octagon shape counters	3494	T-200 S/E	Rm T-200	260 sq. ft	N	70
	rectangular counters.	3495	T-200 N/W.	Rm T-200, T-204	500 sq. ft	N	N
	rolled on roof core	AS seen		ROOF	11000 11000 sq. ft	N	N

CTL ENVIRONMENTAL SERVICES

FIELD BULK SAMPLE LIST

CLIENT: SMHUST
 PROJECT NO.: 107-0008
 PROJECT NAME: Santa Monica Agri-Techanical Bldg.

Technician: V. Sanchez
 Date: 4-2-07
 Page: 3 of 5

PHOTO #	MATERIAL	SAMPLE #	SAMPLE LOCATION	MATERIAL LOCATION	EST. QTY.	F	D
NAD	Plasterboard wall ? ceilings	TB1601 ↓ 02 03	take note of access if see: TB 5.04 - 503	NOT observed.			
NAD	Rough plaster wall - interior	TB1701 ↓ 02 03	take note of access if see: TB 5.04 - 503	1st & 2nd Flr Hallways & 2nd Flr staff rooms	4900 sq. ft.	N	N
NAD	Canvas wrap pipe insulation	TB1801 ↓ 02 03		Domestic Water Lines Rmt 105	60 sq. ft.	N	N
3-5% POS	Pipe fitting insulation (elbow)	TB1901 ↓ 02 03	Domestic Water Lines	Removed			
NAD	Base coat & mastic	TB2001 ↓ 02 03		Removed			
NAD	Built up roof w/ gravel	TB2201 ↓ 02 03	Removed.	Roof	11000 sq. ft.	N	N
5% - 10% POS	Roof penetrator base fl. studs	TB2301 ↓ 02 03		Roof			
3% POS	Roof penetration base fl. studs	TB2401 ↓ 02 03		EXT. walls & walkways ceiling	18000 sq. ft.	N	N
2-3% POS	Exterior Wall shear	TB2501 ↓ 02 03		EXT. walls & walkways/stairwell ceiling	18000 sq. ft.	N	N
POS.	Pargmat Mastic	TB2601 ↓ 02 03					
30% NAD/POS	Pipe fitting insul. (elbow)	TB2701 ↓ 02 03		Removed/replaced with fiberglass			
30% POS	Pipe insulation	TB2801 ↓ 02 03					

CTL ENVIRONMENTAL SERVICES

FIELD BULK SAMPLE LIST

CLIENT: SHUMON

PROJECT NO.: 107-0008

PROJECT NAME: Scarb. Monica High - Technical Building

Technician: V. Sander

Date: 4-2-07

Page: 4 of 5[illegible]

CTL ENVIRONMENTAL SERVICES

FIELD BULK SAMPLE LIST

CLIENT: V. Sander
 PROJECT NO.: 107-0008
 PROJECT NAME: Santa Monica High School - Technical Bldg.

Technician: V. Sander
 Date: 4-2-07
 Page: 5 of 5

PHOTO #	MATERIAL	SAMPLE #	SAMPLE LOCATION	MATERIAL LOCATION	EST. QTY.	F	D
NAD	Duct insulation	TB0101 TB0102 TB0103		NOT observed.			
NAD	Gypsum board wall	TB0201 ↓ 02	by	T11T10, sidewall, must be T113. Runs T200 thru T219. including offices & storage rooms			
NAD	Gypsum board joint compound	TB0201 ↓ 02 ↓ 03					
NAD	Domestic water insulation	TB0301	(library loc)	mechanical rm, (new) T105			
	Heat water insulation	TB0401	(new unit)	(mechanical T12)			
NAD	Rough plaster wall & ceiling	TB0501 ↓ 02 ↓ 03	take as needed	entry room, and air stream			
NAD	2' x 4' random green ceiling panel	TB0701 ↓ 02 ↓ 03		removed			
NAD	Duct tape on HVAC system	TB1001 ↓ 02 ↓ 03		NOT observed			
NAD	12" acoustic wall tile & mastic	TB1101 ↓ 02 ↓ 03 ↓ 01A		NOT observed			
NAD	12" random purple ceiling tile mastic	TB1401 ↓ 02 ↓ 03		NOT observed			
NAD	Mastic associated w/ 12" random purple ceiling tile	TB1401A ↓ 02A ↓ 03A		NOT observed			
370 PDS	9" beige floor tile & mastic	TB1501	Mastic 515d	removed.			



Please Reply To:

AmeriSci Los Angeles

24416 S. Main Street, Ste 308

Carson, California 90745

TEL: (310) 834-4888 • FAX: (310) 834-4772

FACSIMILE TELECOPY TRANSMISSION

To: Cesar R.
CTL Environmental Services
Fax #: (310) 530-0792

Email:

From: Olga K. Katsuk
AmeriSci Job #: 908021164
Subject: PLM 3 day Results
Client Project: 107-0008; SMMUSD; St. Monica
High / Science (Report Amended
6/19/2008)

Date: Thursday, June 19, 2008

Time: 13:08:07

Comments:

Number of Pages:

1
(including cover sheet)

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PLM Bulk Asbestos Report

CTL Environmental Services
Attn: Cesar R.
24404 S. Vermont Ave.
Suite 307
Harbor City, CA 90710

Date Received 02/08/08**Date Examined** 02/08/08**AmeriSci Job No.** 908021164**P.O. #** 107-0008**Page** 1 of 3

RE 107-0008; SMMUSD; St. Monica High / Science
(Report Amended 6/19/2008)

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
3501	908021164-01 Location: 2x4 Fiss. C.P.	No	NAD (by CVES) by Olga K. Katsuk on 02/08/08
Analyst Description: White, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 30 %, Fibrous glass 20 %, Non-fibrous 50 %			
3502	908021164-02 Location: Blue Rectangular Counter	No	NAD (by CVES) by Olga K. Katsuk on 02/08/08
Analyst Description: Blue, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
3503	908021164-03 Location: Carpet	No	NAD (by CVES) by Olga K. Katsuk on 02/08/08
Analyst Description: Yellow, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
3496	908021164-04 Location: Drywall Jt. Compound	No	NAD (by CVES) by Olga K. Katsuk on 02/08/08
Analyst Description: White, Homogeneous, Non-Fibrous, Joint Compound Asbestos Types: Other Material: Non-fibrous 100 % Comment: No Drywall found			

See Reporting notes on last page

Client Name: CTL Environmental Services

PLM Bulk Asbestos Report107-0008; SMMUSD; St. Monica High / Science
(Report Amended 6/19/2008)

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
3497	908021164-05	No	NAD
Location: Drywall Jt. Compound			(by CVES)
Analyst Description: White, Homogeneous, Non-Fibrous, Joint Compound			by Olga K. Katsuk
Asbestos Types:			on 02/08/08
Other Material: Non-fibrous 100 %			
Comment: No Dtywall found			
3498	908021164-06	No	NAD
Location: 12" Gray Floor Tile			(by CVES)
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material			by Olga K. Katsuk
Asbestos Types:			on 02/08/08
Other Material: Non-fibrous 100 %			
Comment: No Mastic found			
3499	908021164-07L1	No	NAD
Location: 12" Lt. Gray Floor Tile			(by CVES)
Analyst Description: Grey, Homogeneous, Non-Fibrous, Flooring			by Olga K. Katsuk
Asbestos Types:			on 02/08/08
Other Material: Non-fibrous 100 %			
3499	908021164-07L2	No	NAD
Location: 12" Lt. Gray Floor Tile			(by CVES)
Analyst Description: Beige, Homogeneous, Non-Fibrous, Mastic			by Olga K. Katsuk
Asbestos Types:			on 02/08/08
Other Material: Non-fibrous 100 %			
3500	908021164-08L1	No	NAD
Location: 12" White Floor Tile			(by CVES)
Analyst Description: White, Homogeneous, Non-Fibrous, Flooring			by Olga K. Katsuk
Asbestos Types:			on 02/08/08
Other Material: Non-fibrous 100 %			

See Reporting notes on last page

Client Name: CTL Environmental Services

PLM Bulk Asbestos Report107-0008; SMMUSD; St. Monica High / Science
(Report Amended 6/19/2008)

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
3500	908021164-08L2	No	NAD
Location: 12" White Floor Tile			(by CVES)

by Olga K. Katsuk
on 02/08/08**Analyst Description:** Yellow, Homogeneous, Non-Fibrous, Mastic**Asbestos Types:****Other Material:** Non-fibrous 100 %

3504	908021164-09	No	NAD
Location: HVAC Joint Compound			(by CVES)

by Olga K. Katsuk
on 02/08/08**Analyst Description:** Grey, Homogeneous, Non-Fibrous, Bulk Material**Asbestos Types:****Other Material:** Non-fibrous 100 %**Reporting Notes:**

Analyzed By: Olga K. Katsuk

Date Analyzed: 2/8/2008 6/20/08

*NAD = no asbestos detected; Detection Limit <1%; Reporting Limits: CVES = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; NA = not analyzed; NA/PS = not analyzed / positive stop; NVA = No Visible Asbestos; PLM (polarized light microscopy) Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab #200346-0, CA ELAP Lab #2322); Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar NOB materials. TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). NIST Accreditation requirements mandate that this report must not be reproduced except in full with the approval of the laboratory. This PLM report relates ONLY to the items tested.

Reviewed By: [Signature] 6/20/08

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AMERISCI JOB NO:

908021164-

PAGE 1 OF 1

DUE DATE:

☐ RUSH ☐ 24 Hr ☐ 48 Hr ☒ 3 DAY ☐ 5 DAY ☐ 7 DAY

TEMP UPON RECEIPT:

DATA PACKAGE:

P.O.#

COMPANY: CPL										PLM GRAB (G) OR COMPOSITE (G) PRESERVATIVES SAMPLE PH AT LOGIN	Notes:					
ADDRESS:																
PHONE:			FAX 1:			FAX 2:										
CLIENT CONTACT: Desa. Rueland						EMAIL:										
PROJECT NAME: St. Monica Hgt - Science						PROJECT NUMBER: 107-0008		PROJECT STATE: CA								
MATRIX: A-WATER S-SOIL/SOLIDS SL-SLUDGE OIL-OIL CH-CHIPS WI-WIPES C-CASSETTES W-WASTE O-OTHER										CONTAINER: P-PLASTIC G-GLASS V-VOA						
LAB ID	CLIENT SAMPLE IDENTIFICATION	MATRIX	CONTAINER			SAMPLING INFORMATION			DATE	TIME	TECH	GRAB (G) OR COMPOSITE (G)	PRESERVATIVES	SAMPLE PH AT LOGIN	Notes:	
			SIZE	TYPE	#	DATE	TIME	TECH								
	3501	Bulk	N/A	Bag	1	4/3/07	N/A	V.S.				✓	2x4 f. ss. C.P.			
	3502				1							✓	Blue rectangular container			
	3503				1							✓	carport			
	3496				1							✓	drywell 1st compound			
	3497				1							✓				
	3498				1							✓	12" gray floor tile			
	3499				1							✓	12" C. gray floor tile			
	3500				1							✓	12" white floor tile			
	3504				1							✓	HVAC joint compound			
SAMPLED BY: (PRINT) V. Ctr Sanchez										DATE: 4/3/07		RECEIVED BY: (PRINT)			DATE:	
(SIGN) [Signature]										TIME:		(SIGN)			TIME:	
RELINQUISHED BY: (PRINT) Desa. Rueland										DATE: 2/8/08		RECEIVED BY: (PRINT)			DATE:	
(SIGN) [Signature]										TIME:		(SIGN)			TIME:	
RELINQUISHED BY: (PRINT)										DATE:		RECEIVED FOR LABORATORY BY: K. Arvelan			DATE: 2/8/08	
(SIGN)										TIME:		(SIGN)			TIME: 0805	

CIT ENVIRONMENTAL SERVICES FIELD BULK SAMPLE LIST

CLIENT: SHMUSD
PROJECT NO.: 107-0008
PROJECT NAME: Bachman H.S.

Science
Bldg

Technician: V. Sanchez
Date: 4-3-07
Page: 2 of 5

PHOTO #	MATERIAL	SAMPLE #	SAMPLE LOCATION	MATERIAL LOCATION	EST. QTY.	F	D
3480 3481	drywall Joint comp.	3496	S107 S/W.	S107, prep rm, elec rm S104C, RmS, S105, S105A, S104, S102P, S102A	19000 sq. ft	N	N
3482 3483		3497	S200 S/E	RmS S200, S200P, S202, S204P, S201 RmS, S201, S203, S205P, S205, S207			
02B01 B02 B03	2x2 smooth Pinhole ceiling panel	3479 Red bldg		Prep rm, S107, S105, S105A, S104, S102P, S102A, S102, S100P, 1ST & 2nd Flr hallway S	15000 sq. ft	N	N
				S200, S200P, S202, S204P, S204, S201, S201P, S203, S205P, S205, S207			
	12" gray speckled Flr tile	3498	S107 N/W	prep rm, S107, S105, S105A, S104, S102P, S102A, S102, S100P, S100, S200, S200P, S202, S204P	13000 sq. ft	N	N
				S204, S201, S201P, S203, S205P, S205, S207			
	12" light gray Flr tile	3499	Hallway west CTH	prep rm, 5, corridor	600 sq. ft	N	N
	light blue floor sheeting	tech bldg 3486		1ST & 2nd Flr. Hallway	5200 sq. ft	N	N
	12" white floor tile.	3500	S107 S/E	S107, S104, S102, S100, S200, S202, S204, S201, S203, S205	1300 sq. ft	N	N
	HVAC Toner Compressor	3504	Mechanical rm CTR	Mechanical between HVAC rooms	100 sq. ft.	N	N
	inspected ceiling spaces covered with FSI (new)		observed fiberglass duct insulation mechanical observed fiberglass				

drywall
tech
bldg

FIELD BULK SAMPLE LIST

CLIENT: SMMUSD
 PROJECT NO.: 107-0008
 PROJECT NAME: Santa Monica H.S.

Science Technician: V. Sambo
 Date: 4-3-07
 Page: 2 of 25

Bldg

PHOTO #	MATERIAL	SAMPLE #	SAMPLE LOCATION	MATERIAL LOCATION	EST. QTY.	F	D
	Rectangular counters (black)	tech bldg 3495		Prep rm, S107, S104, S102P, S100 S200 S200P, S202, S204, S207.	1800 sq ft	N	N
	Octagon shape counters,	tech bldg		S205	200 sq ft	N	N
	4" black core base & color.	tech bldg.		Prep rm, S107, S105, S105A, S104, S102P, S102A S100P S100A, S100, S200 S200P, S202, S204P, S204, S201, S201P, S205P, S205, S207	2000 sq ft	N	N
	2x4 Fissured ceiling panel.	3501	S101 CTR.	S103, S101P, S101A, S101	2700 sq ft	K	N
	blue rectangular counters	3502	S103 N/E	S103, S101P.	350 sq ft	N	N
	carpet glue	3503	S101A CTR.	S101A.	90 sq ft	N	N
	STUCCO	POS.	same as tech bldg	EXT. walls on west side & S Ter walls	1200 sq ft	K	N
	rolled on ROOF CORE.	Assumed		ROOF	9500 sq ft	N	N
	ROOF MASTIC	Assumed		ROOF penetrations	50 sq ft	N	N
	chalk boards	Assumed		rm's S200, S201, S202, S203, S204, S205, S207	24 ea.	N	N

CTL ENVIRONMENTAL SERVICES FIELD BULK SAMPLE LIST

CLIENT: _____

PROJECT NO.: _____

PROJECT NAME: Santa Monica High - Science Building

Technician: J. Sanchez

Date: 4-3-01

Page: 2 of 3

[illegible]

CTL ENVIRONMENTAL SERVICES

FIELD BULK SAMPLE LIST

CLIENT: _____
 PROJECT NO.: _____
 PROJECT NAME: Santa Monica Hq - Science Bldg.

Technician: N. Sander
 Date: 4-3-07
 Page: 7 of 5

PHOTO #	MATERIAL	SAMPLE #	SAMPLE LOCATION	MATERIAL LOCATION	EST. QTY.	F	D
<u>25-35</u> <u>POS</u>	Tan Gneiss	SCI-1-1 ↓ -2 -3	Removed				
NAD	12" brown glaze tile + mastic	SCI-2-1 ↓ -2 -3	Tile + mastic Removed				
<u>T-10</u> <u>M-7</u> <u>POS</u>	9" brown glaze tile + mastic	SCI-3-1	Removed				
T-NAD M-NAD	12" blue glaze tile + mastic	SCI-4-1 ↓ -2 -3	/	S103, S107	1600 sq. ft	N	N
T-NAD M-NAD	12" gray glaze tile + mastic	SCI-5-1 ↓ -2 -3	/	S103, S101C (RR'S), S101P, S101	2400 sq. ft	N	N
<u>5-10</u> <u>POS</u>	9" red glaze tile + mastic	SCI-6-1	Removed				
<u>10-10</u> <u>POS</u>	9" gray glaze tile + mastic	SCI-7-1	Removed				
<u>15-10</u> <u>POS</u>	Sink undergating	SCI-8-1 ↓ -2 -3	removed				
NAD	concrete/sink type	SCI-9-1	Not observed				
NAD	smoother plaster walls + ceiling	SCI-10-1 + mastic SCI-10-7	SCI-10-8 from SCI-10-10	S105, S101C, S101P, S101A, S101B, S103, S101 1ST FLOOR Hallway store rm 3205, mechanical rm	6700 sq. ft	N	N
B-NAD M-NAD	Black baseboard + mastic	SCI-11-1 ↓ -2 -3		S103, S101C, S101A, S101P.	2150 sq. ft	N	N
B-NAD M-NAD	Brown baseboard + mastic	SCI-12-1 ↓ -2 -3	Removed				

CTL ENVIRONMENTAL SERVICES

FIELD BULK SAMPLE LIST

CLIENT: _____
 PROJECT NO.: _____
 PROJECT NAME: Santa Monica High-

Technician: N. Santos
 Date: 4-3-07
 Page: 2 of 5
5 of 5

PHOTO #	MATERIAL	SAMPLE #	SAMPLE LOCATION	MATERIAL LOCATION	EST. QTY.	F	D
NAD	New floor furnace hood	SC113-1	/	S103, S205	5 ea.		
B-NAD M-NAD	Tan. bamboo board - Mastic	SC114-1 ↓ -3	Removed				
NAD	12" ceiling tile - straight x mastic	SC115-1 ↓ -2 ↓ -3	/	S101 south wall on soffit.	300 89 ft	N	N
75% chg 15% add POS	Pipe insul. - from on domestic water	SC116-1 ↓ -2 ↓ -3	NOT observed.				
20% POS	Transite furnace hood Liners	SC117-1	NOT observed	(new Furnace hood observed)			
50% chg 50% add POS	Pipe g. tubing ins. on domestic water	SC118-1 ↓ -2 ↓ -3	NOT observed				
ACCM POS	Ceases HVAC duct insul. - tie	SC120-1 ↓ -2 ↓ -3	NOT observed.				
15% chg POS	Laboratory counter top	SC120-1 ↓ -2 ↓ -3	NOT observed				
NAD	Hvac. duct HVAC vibration dampener	SC123-1	NOT observed				
20% chg 20% add POS	Tank insulation	SC125-1 ↓ -2 ↓ -3	removed.				
NAD	2x4' Lay-in ceiling panel	SC127-1 ↓ -2 ↓ -3	/				
50% POS	HVAC duct joint tape	SC129-1 ↓ -2 ↓ -3	NOT observed				

APPENDIX D

SAMPLE LOCATION MAP

Regular Bell Schedules

Monday, Tuesday, Thursday, Friday	
Period A	7:12 – 8:08 (56 min)
1	8:15 – 9:11 (56 min)
Homeroom	9:18 – 9:28 (10 min)
2	9:28 – 10:24 (56 min)
Break	10:24 – 10:29 (5 min)
3	10:36 – 11:32 (56 min)
4	11:39 – 12:35 (56 min)
Lunch	12:35 – 1:10 (35 min)
5	1:17 – 2:13 (56 min)
6	2:20 – 3:16 (56 min)

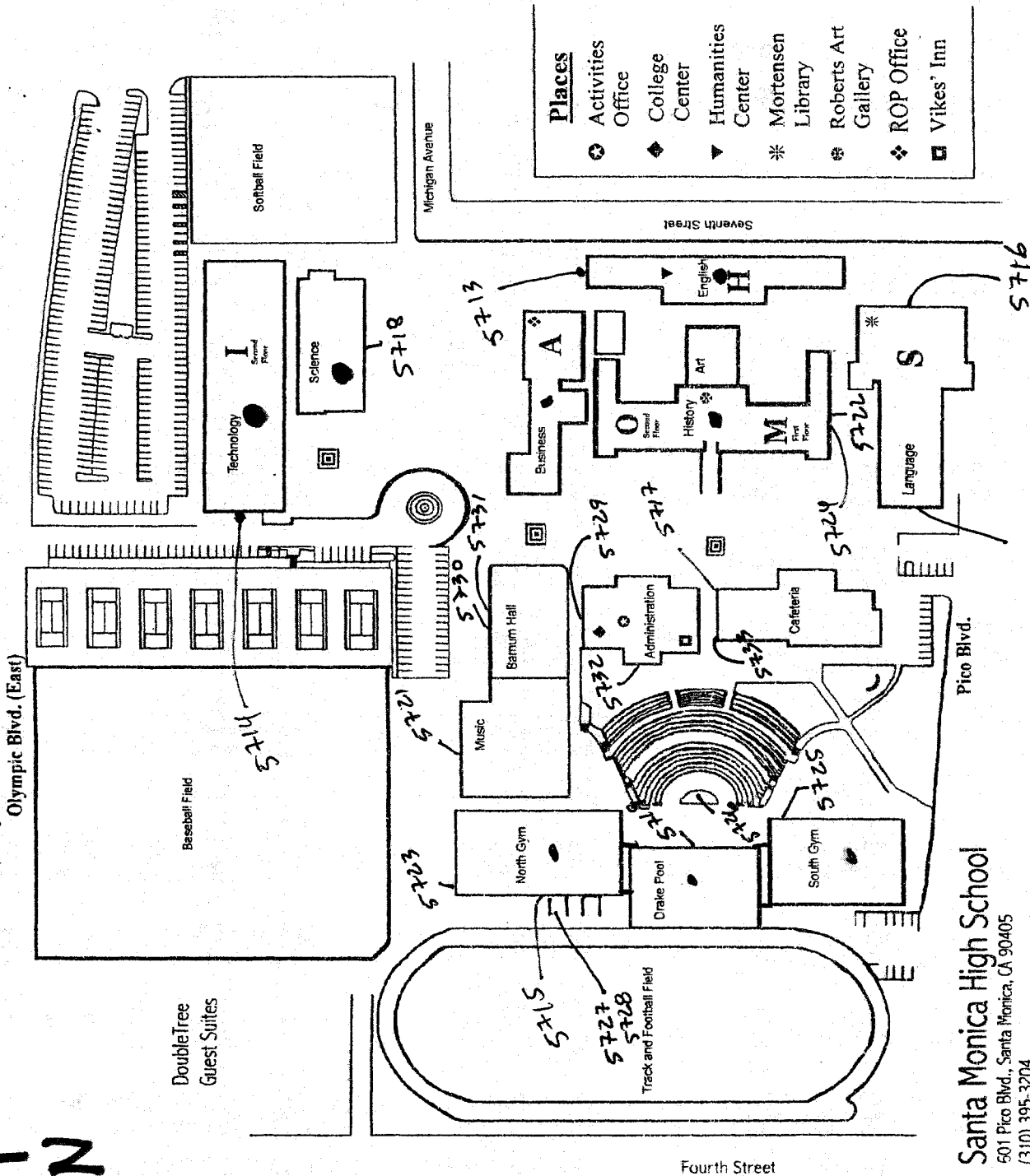
Late Start Wednesday Schedule

Period A	
1	8:45 – 9:30 (45 min)
2	9:36 – 10:21 (45 min)
3	10:28 – 11:13 (45 min)
Lunch	11:20 – 12:05 (45 min)
4	12:05 – 12:40 (35 min)
5	12:47 – 1:32 (45 min)
6	1:39 – 2:24 (45 min)
	2:31 – 3:16 (45 min)

The Houses of Samohi

S	Language Building Principal L200
A	Business Building Principal B101
M	History Bldg. 1 st Floor Principal H106
O	History Bldg. 2 nd Floor Principal H209
H	English Building Principal E109
I	Tech Building Principal T211

↑ N



Santa Monica High School
501 Pico Blvd., Santa Monica, CA 90405
(310) 395-3204

Lead sampling Locations

SMHUSD
106-0531
V. Samuel
12-27-06

APPENDIX E

CTL EMPLOYEE CERTIFICATIONS

State of California Department of Health Services

Lead-Related
Construction
Certificate

<u>Certificate</u> <u>Type</u>	<u>Expiration</u> <u>Date</u>
-----------------------------------	----------------------------------

Inspector/Assessor	11/09/2006
--------------------	------------

Supervisor	11/09/2006
------------	------------

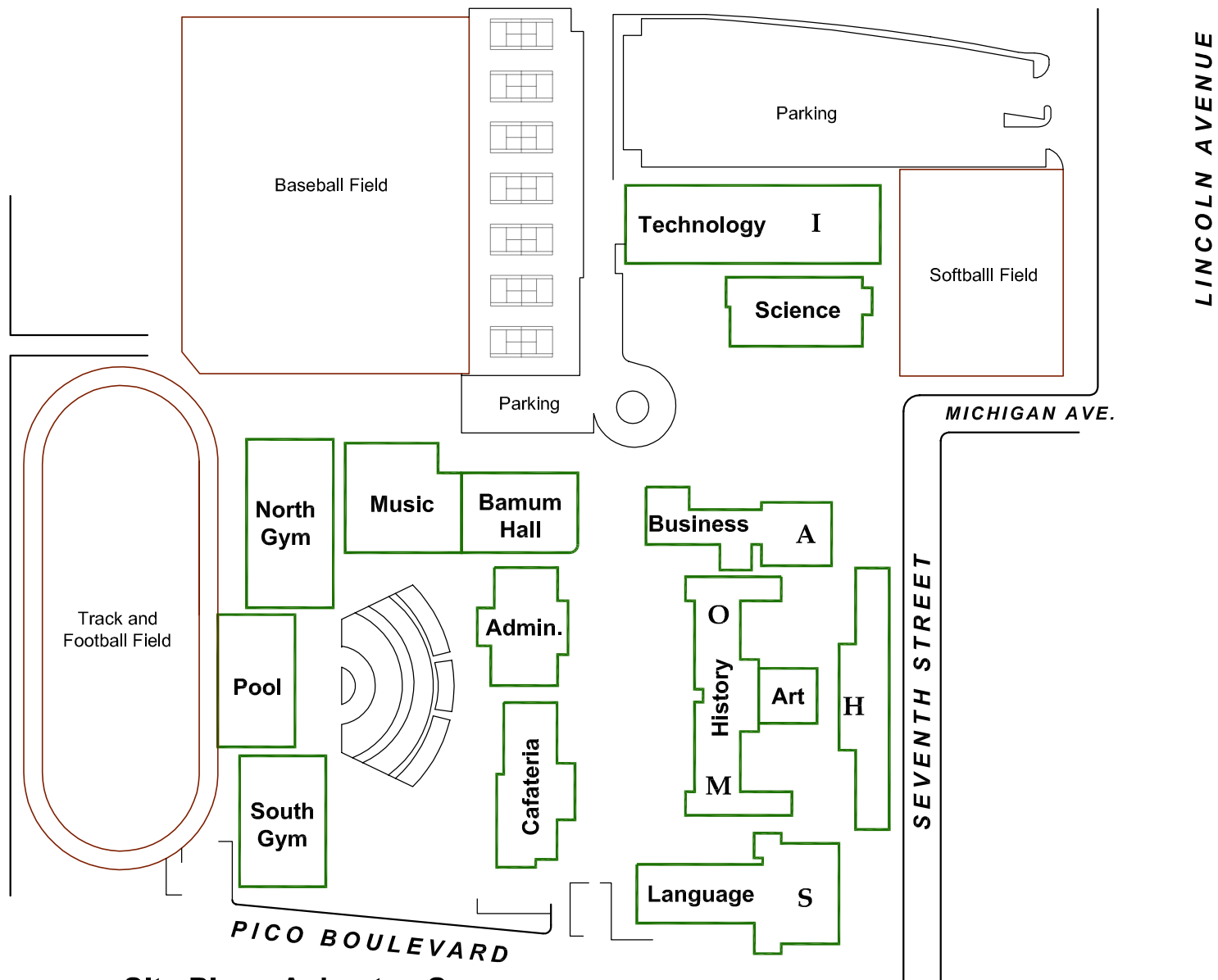
Project Monitor	11/09/2006
-----------------	------------



Victor M. Sanchez ID #: **10148**

APPENDIX C

Site Diagrams



Site Plan - Asbestos Survey

NOT TO SCALE

Santa Monica Malibu Unified School District
SANTA MONICA HIGH SCHOOL
MODERNIZATION/DEMOLITION PROJECT
 601 PICO BOULEVARD
 SANTA MONICA, CALIFORNIA 90405

PROJECT NUMBER: 052.25526.0002

TASK NO.: 01

DRAWING

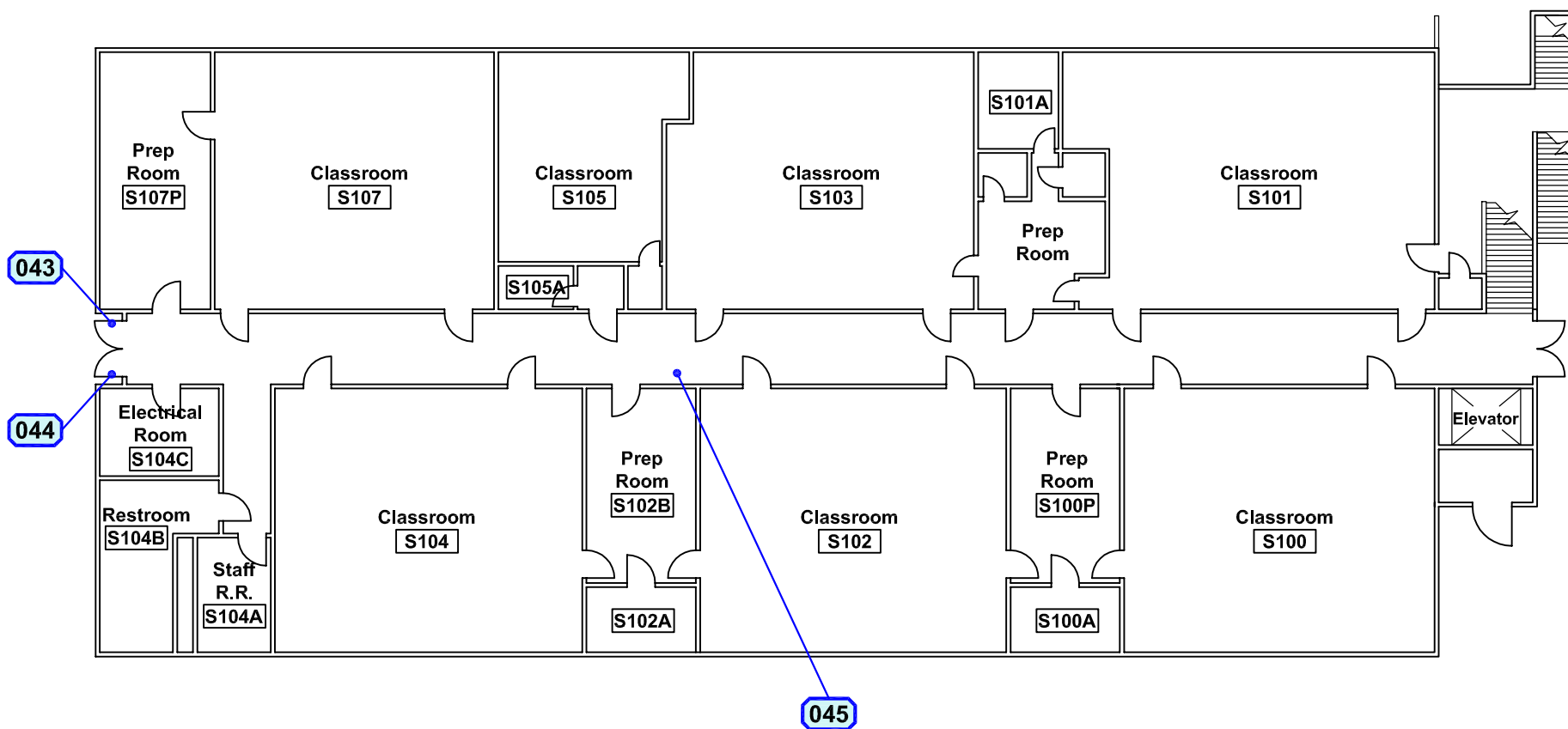
REVIEW BY: P. COTA

DRAWN BY: DAW

1 of 30



ATC ASSOCIATES INC. 25 Cupania Circle
 Monterey Park, CA 91755
 Ph: (323) 517-9780 *** Fax: (323) 517-9781



LEGEND:

000 = ACM SAMPLE LOCATION NUMBER

000 = POSITIVE ACM SAMPLE LOCATION NUMBER



Science Building First Floor - Asbestos Survey

NOT TO SCALE

**Santa Monica Malibu Unified School District
SANTA MONICA HIGH SCHOOL
MODERNIZATION/DEMOLITION PROJECT
601 PICO BOULEVARD
SANTA MONICA, CALIFORNIA 90405**

PROJECT NUMBER: 052.25526.0002

TASK NO.: 01

DRAWING

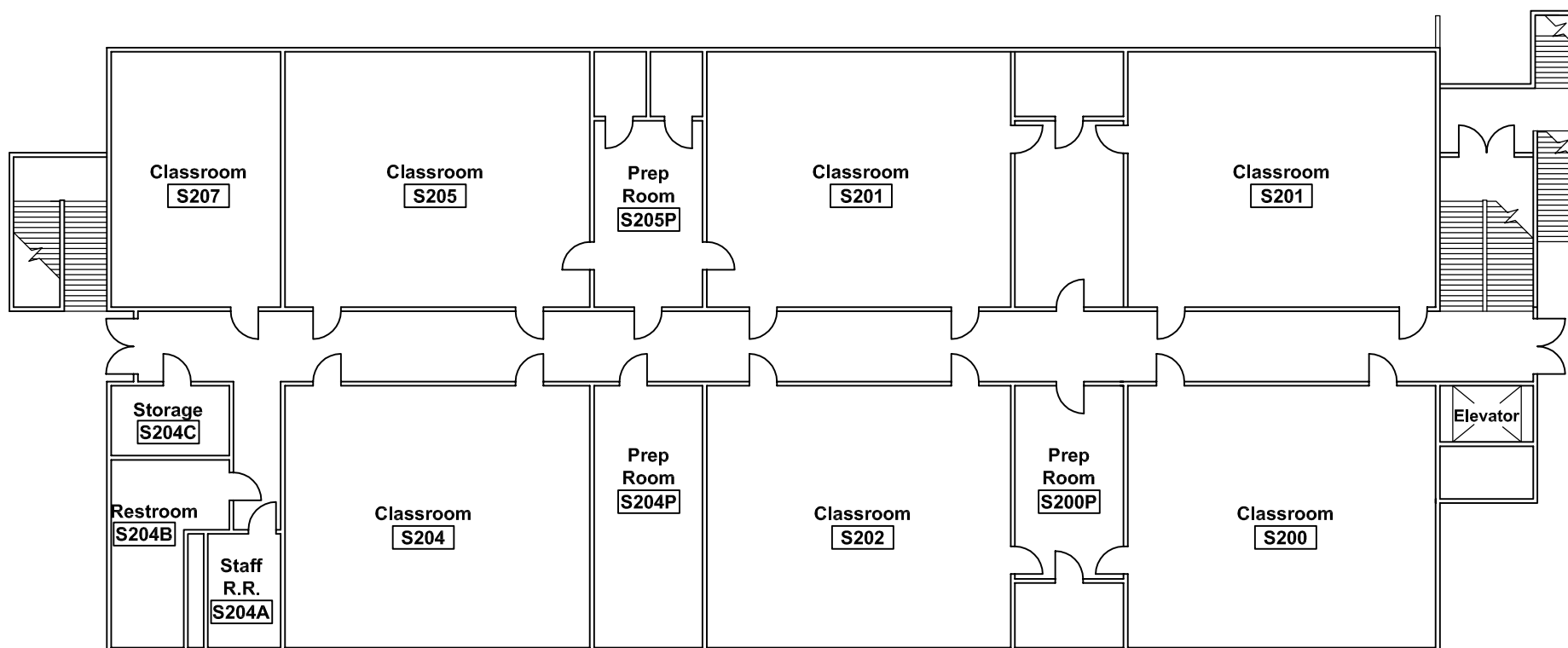
REVIEW BY: P. COTA

DRAWN BY: DAW

2 of 30



**25 Cupania Circle
Monterey Park, CA 91755
Ph: (323) 517-9780 *** Fax: (323) 517-9781**



LEGEND:

000 = ACM SAMPLE LOCATION NUMBER

000 = POSITIVE ACM SAMPLE LOCATION NUMBER

Science Building Second Floor - Asbestos Survey

NOT TO SCALE



Santa Monica Malibu Unified School District
SANTA MONICA HIGH SCHOOL
MODERNIZATION/DEMOLITION PROJECT
 601 PICO BOULEVARD
 SANTA MONICA, CALIFORNIA 90405

PROJECT NUMBER: 052.25526.0002

TASK NO.: 01

DRAWING

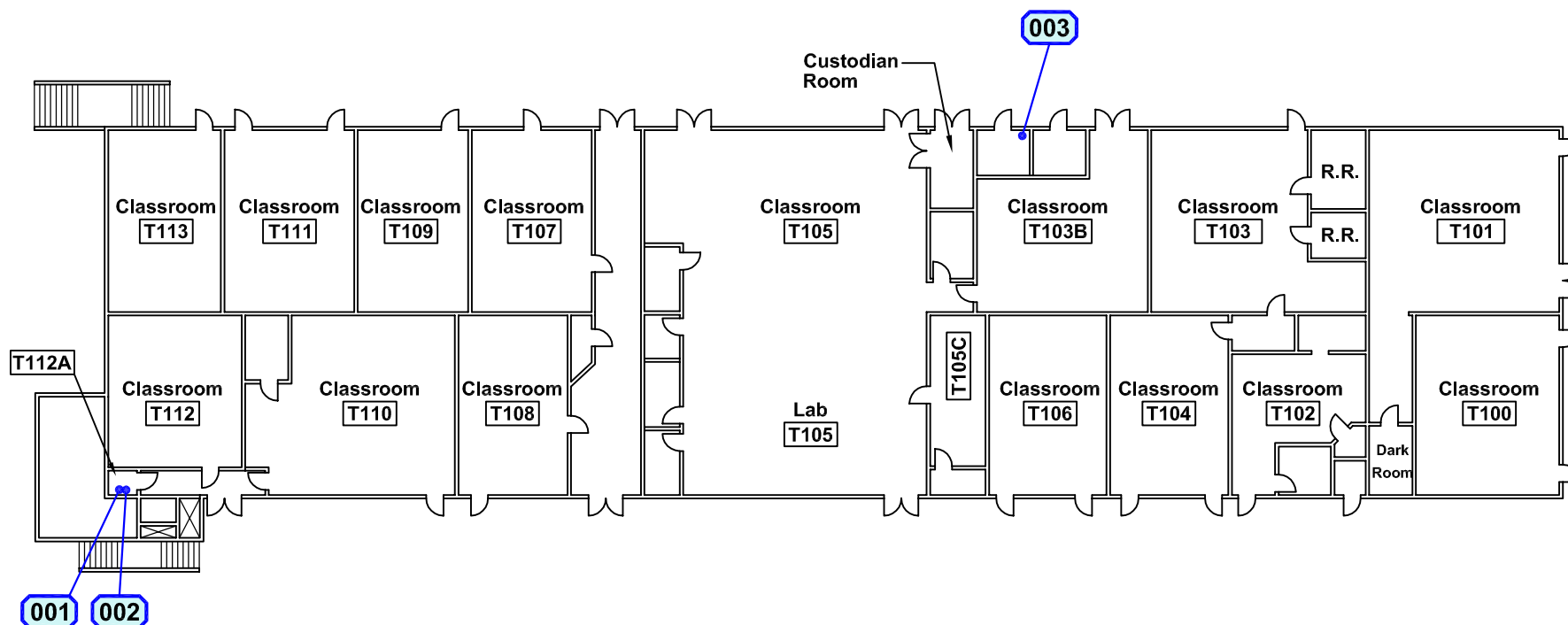
REVIEW BY: P. COTA

DRAWN BY: DAW

3 of 30



25 Cupania Circle
Monterey Park, CA 91755
 Ph: (323) 517-9780 *** Fax: (323) 517-9781



LEGEND:

000 = ACM SAMPLE LOCATION NUMBER

000 = POSITIVE ACM SAMPLE LOCATION NUMBER

Technology Building First Floor - Asbestos Survey

NOT TO SCALE



**Santa Monica Malibu Unified School District
SANTA MONICA HIGH SCHOOL
MODERNIZATION/DEMOLITION PROJECT
601 PICO BOULEVARD
SANTA MONICA, CALIFORNIA 90405**

PROJECT NUMBER: 052.25526.0002

TASK NO.: 01

DRAWING

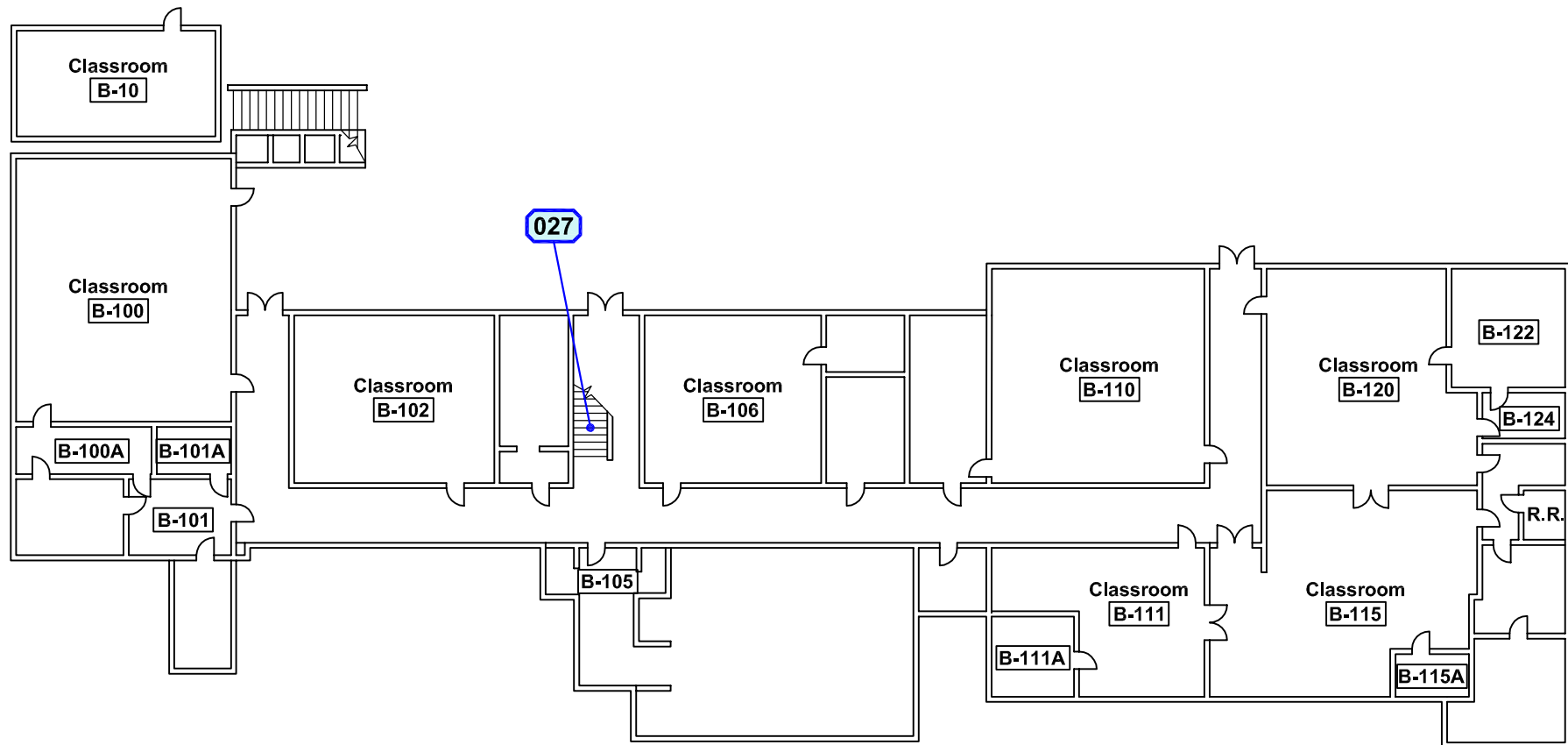
REVIEW BY: P. COTA

DRAWN BY: DAW

4 of 30



25 Cupania Circle
Monterey Park, CA 91755
Ph: (323) 517-9780 *** Fax: (323) 517-9781



LEGEND:



= ACM SAMPLE LOCATION NUMBER



= POSITIVE ACM SAMPLE LOCATION NUMBER

Business Building First Floor - Asbestos Survey

NOT TO SCALE



**Santa Monica Malibu Unified School District
SANTA MONICA HIGH SCHOOL
MODERNIZATION/DEMOLITION PROJECT
601 PICO BOULEVARD
SANTA MONICA, CALIFORNIA 90405**

PROJECT NUMBER: 052.25526.0002

TASK NO.: 01

DRAWING

REVIEW BY: P. COTA

DRAWN BY: DAW

5 of 30



**25 Cupania Circle
Monterey Park, CA 91755**

Ph: (323) 517-9780 *** Fax: (323) 517-9781

APPENDIX E

CAPE ENVIRONMENAL
SURVEY REPORT

TABLE 2.1

**SUMMARY OF BULK SAMPLE ANALYSIS FOR ASBESTOS
TECHNICAL BUILDING - SANTA MONICA HIGH SCHOOL**

<u>SAMPLE NUMBER</u>	<u>MATERIAL DESCRIPTION</u>	<u>LABORATORY ANALYSIS RESULTS</u>
TB-01-01	Ductwork insulation	NAD
TB-01-02	Ductwork insulation	NAD
TB-01-03	Ductwork insulation	NAD
TB-02-A-01	Gypsum board walls	NAD
TB-02-A-02	Gypsum board walls	NAD
TB-02-B-01	Gypsum board wall joint compound	NAD
TB-02-B-02	Gypsum board wall joint compound	NAD
TB-02-B-03	Gypsum board wall joint compound	NAD
TB-03-01	Domestic water insulation	NAD
TB-04-01	Heat water insulation	NAD
TB-05-01	Rough plaster walls & ceiling-boiler room	NAD
TB-05-02	Rough plaster walls & ceiling-boiler room	NAD
TB-05-03	Rough plaster walls & ceiling-boiler room	NAD
TB-07-01	2'x 4' ceiling tile-random groove & pinhole	NAD
TB-07-02	2'x 4' ceiling tile-random groove & pinhole	NAD
TB-07-03	2'x 4' ceiling tile-random groove & pinhole	NAD
TB-10-01	Duct tape on HVAC system	NAD
TB-10-02	Duct tape on HVAC system	NAD
TB-10-03	Duct tape on HVAC system	NAD
TB-11-01	1'x 1' acoustical wall tile	NAD
TB-11-02	1'x 1' acoustical wall tile	NAD
TB-11-03	1'x 1' acoustical wall tile	NAD
TB-11-01-A	Mastic for 1'x 1' acoustical wall tile	NAD
TB-14-01	1'x 1' ceiling tile-random peghole	NAD
TB-14-02	1'x 1' ceiling tile-random peghole	NAD
TB-14-03	1'x 1' ceiling tile-random peghole	NAD
TB-14-01-A	Mastic for 1'x 1' ceiling tile-random peghole	NAD
TB-14-02-A	Mastic for 1'x 1' ceiling tile-random peghole	NAD
TB-14-03-A	Mastic for 1'x 1' ceiling tile-random peghole	NAD
TB-15-01	9"x 9" f.t. beige and mastic	3% chrysotile (T) Trace chrysotile (M)
TB-16-01	Plasterboard walls & ceilings	NAD
TB-16-02	Plasterboard walls & ceilings	NAD
TB-16-03	Plasterboard walls & ceilings	NAD
TB-17-01	Rough plaster wall-interior	NAD
TB-17-02	Rough plaster wall-interior	NAD
TB-17-03	Rough plaster wall-interior	NAD
TB-18-01	Domestic water pipe insulation-canvas wrap over fiberglass	NAD
TB-18-02	Domestic water pipe insulation-canvas wrap over fiberglass	NAD
TB-18-03	Domestic water pipe insulation-canvas wrap over fiberglass	NAD

TABLE 2.1 (cont)

SUMMARY OF BULK SAMPLE ANALYSIS FOR ASBESTOS
TECHNICAL BUILDING - SANTA MONICA HIGH SCHOOL

<u>SAMPLE NUMBER</u>	<u>MATERIAL DESCRIPTION</u>	<u>LABORATORY ANALYSIS RESULTS</u>
TB-19-01	Domestic water pipe fitting insulation	3% chrysotile 4% amosite
TB-19-02	Domestic water pipe fitting insulation	5% chrysotile 5% amosite
TB-19-03	Domestic water pipe fitting insulation	5% chrysotile 5% amosite
TB-20-01	Base cove and mastic	NAD
TB-20-02	Base cove and mastic	NAD
TB-20-03	Base cove and mastic	NAD
TB-22-01	Built-up roof w/gravel surface	NAD
TB-22-02	Built-up roof w/gravel surface	NAD
TB-22-03	Built-up roof w/gravel surface	NAD
TB-23-01	Roof perimeter base flashing	5% chrysotile
TB-23-02	Roof perimeter base flashing	10% chrysotile
TB-23-03	Roof perimeter base flashing	5% chrysotile
TB-24-01	Roof penetration base flashing	3% chrysotile
TB-24-02	Roof penetration base flashing	3% chrysotile
TB-24-03	Roof penetration base flashing	NAD
TB-25-02	Exterior stucco	3% chrysotile
TB-25-03	Exterior stucco	3% chrysotile
TB-25-04	Exterior stucco	3% chrysotile
TB-25-05	Exterior stucco	2% chrysotile
TB-26-01	Parquet mastic	NAD
TB-26-02	Parquet mastic	NAD
TB-26-03	Parquet mastic	NAD
TB-27-01	Pipe fitting insulation	30% chrysotile
TB-27-02	Pipe fitting insulation	30% chrysotile
TB-28-01	Pipe insulation	30% chrysotile 30% amosite
TB-28-02	Pipe insulation	20% chrysotile 30% amosite
TB-29-01	Pipe fitting insulation	40% chrysotile
TB-29-02	Pipe fitting insulation	25% chrysotile
TB-30-01	Pipe insulation	10% chrysotile 40% amosite
TB-30-02	Pipe insulation	10% chrysotile 40% amosite
TB-31-01	Fume hood lining	30% chrysotile 10% amosite
TB-31-02	Fume hood lining	30% chrysotile 10% amosite
TB-31-03	Fume hood lining	30% chrysotile 10% amosite
TB-32-01	Lab top counter	NAD
TB-32-02	Lab top counter	NAD
TB-32-03	Lab top counter	NAD

T200

TABLE 2.2

**SUMMARY OF QUALITY CONTROL BULK SAMPLE ANALYSIS FOR SUSPECT ASBESTOS-
CONTAINING MATERIALS - SCIENCE BUILDING - SANTA MONICA HIGH SCHOOL**

<u>SAMPLE NUMBER</u>	<u>PRIMARY LAB RESULTS</u>	<u>QUALITY CONTROL LAB RESULTS</u>
SCI-11-3	NAD	NAD
SCI-17-1	20% chrysotile	15% chrysotile
SCI-21-1	15% chrysotile	15% chrysotile
SCI-23-1	NAD	NAD
SCI-27-2	NAD	NAD
SCI-29-2	Trace chrysotile	NAD
SCI-30-3	3% chrysotile	3% chrysotile

NAD = NO ASBESTOS DETECTED

TABLE 2.1

**SUMMARY OF SUSPECT ASBESTOS-CONTAINING MATERIAL BULK SAMPLE COLLECTION AND
ANALYSIS RESULTS - SCIENCE BUILDING - SANTA MONICA HIGH SCHOOL**

<u>SAMPLE NUMBER</u>	<u>MATERIAL DESCRIPTION</u>	<u>LABORATORY ANALYSIS RESULTS</u>
SCI-1-1	Tan linoleum	25% chrysotile
SCI-1-2	Tan linoleum	30% chrysotile
SCI-1-3	Tan linoleum	35% chrysotile
SCI-2-1	12"x 12" brown floor tile & mastic	T - NAD M - NAD
SCI-2-2	12"x 12" brown floor tile & mastic	T - NAD M - NAD
SCI-2-3	12"x 12" brown floor tile & mastic	T - NAD M - NAD
SCI-3-1	9"x 9" green floor tile & mastic	T - 10% chrysotile M - 7% chrysotile
SCI-4-1	12"x 12" blue floor tile & mastic	T - NAD M - NAD
SCI-4-2	12"x 12" blue floor tile & mastic	T - NAD M - Trace
SCI-4-3	12"x 12" blue floor tile & mastic	T - NAD M - NAD
SCI-5-1	12"x 12" grey floor tile & mastic	T - NAD M - Trace
SCI-5-2	12"x 12" grey floor tile & mastic	T - NAD M - Trace
SCI-5-3	12"x 12" grey floor tile & mastic	T - NAD M - NAD
SCI-6-1	9"x 9" red floor tile & mastic	T - 5% chrysotile M - 10% chrysotile
SCI-7-1	9"x 9" grey floor tile & mastic	T - 10% chrysotile M - 10% chrysotile
SCI-8-1	Sink undercoating	15% chrysotile
SCI-8-2	Sink undercoating	15% chrysotile
SCI-8-3	Sink undercoating	15% chrysotile
SCI-9-1	Cementious-type sink	NAD
SCI-10-1	Smooth plaster walls	NAD
SCI-10-2	Smooth plaster walls	NAD
SCI-10-3	Smooth plaster walls	NAD
SCI-10-4	Smooth plaster walls	NAD
SCI-10-5	Smooth plaster walls	NAD
SCI-10-6	Smooth plaster ceilings	NAD
SCI-10-7	Smooth plaster ceilings	NAD

TABLE 2.1 (continued)

**SUMMARY OF SUSPECT ASBESTOS-CONTAINING MATERIAL BULK SAMPLE COLLECTION AND
ANALYSIS RESULTS - SCIENCE BUILDING - SANTA MONICA HIGH SCHOOL**

<u>SAMPLE NUMBER</u>	<u>MATERIAL DESCRIPTION</u>	<u>LABORATORY ANALYSIS RESULTS</u>
SCI-10-8	Smooth plaster ceilings	NAD
SCI-10-9	Smooth plaster ceilings	NAD
SCI-10-10	Smooth plaster ceilings	NAD
SCI-11-1	Black baseboard & mastic	B - NAD M - NAD
SCI-11-2	Black baseboard & mastic	B - NAD M - NAD
SCI-11-3	Black baseboard & mastic	B - NAD M - No mastic
SCI-12-1	Brown baseboard & mastic	B - NAD M - NAD
SCI-12-2	Brown baseboard & mastic	B - NAD M - NAD
SCI-12-3	Brown baseboard & mastic	B - Trace M - NAD
SCI-13-1	Fume hood - new	NAD
SCI-14-1	Tan baseboard & mastic	B - NAD M - NAD
SCI-14-2	Tan baseboard & mastic	B - NAD M - NAD
SCI-14-3	Tan baseboard & mastic	B - Trace M - NAD
SCI-15-1	1'x 1' ceiling tile-straight peghole & mastic	T - NAD M - NAD
SCI-15-2	1'x 1' ceiling tile-straight peghole & mastic	T - NAD M - NAD
SCI-15-3	1'x 1' ceiling tile-straight peghole & mastic	T - NAD M - NAD
SCI-16-1	Domestic water pipe insulation	7% chrysotile 15% amosite
SCI-16-2	Domestic water pipe insulation	10% chrysotile 15% amosite
SCI-16-3	Domestic water pipe insulation	7% chrysotile 15% amosite
SCI-17-1	Transite-type fume hood liners	20% chrysotile
SCI-18-1	Domestic water pipe fitting insulation	5% chrysotile 15% amosite

TABLE 2.1 (continued)
SUMMARY OF SUSPECT ASBESTOS-CONTAINING MATERIAL BULK SAMPLE COLLECTION AND
ANALYSIS RESULTS - SCIENCE BUILDING - SANTA MONICA HIGH SCHOOL

<u>SAMPLE NUMBER</u>	<u>MATERIAL DESCRIPTION</u>	<u>LABORATORY ANALYSIS RESULTS</u>
SCI-18-2	Domestic water pipe fitting insulation	10% chrysotile 15% amosite
SCI-18-3	Domestic water pipe fitting insulation	3% chrysotile 20% amosite
SCI-20-1	Canvas HVAC duct insulation	NAD
SCI-20-2	Canvas HVAC duct insulation	Trace
SCI-20-3	Canvas HVAC duct insulation	NAD
SCI-21-1	Laboratory counter top	15% chrysotile
SCI-21-2	Laboratory counter top	15% chrysotile
SCI-21-3	Laboratory counter top	15% chrysotile
SCI-23-1	Flexible HVAC vibration damper	NAD
SCI-25-1	Tank insulation	7% chrysotile 20% amosite
SCI-25-2	Tank insulation	5% chrysotile 20% amosite
SCI-25-3	Tank insulation	7% chrysotile 20% amosite
SCI-27-1	2'x 4' lay-in ceiling tile	NAD
SCI-27-2	2'x 4' lay-in ceiling tile	NAD
SCI-27-3	2'x 4' lay-in ceiling tile	NAD
SCI-29-1	HVAC duct joint tape	NAD
SCI-29-2	HVAC duct joint tape	Trace
SCI-29-3	HVAC duct joint tape	NAD
SCI-30-1	Putty on windows	2% chrysotile
SCI-30-2	Putty on windows	2% chrysotile
SCI-30-3	Putty on windows	3% chrysotile

NAD =	NO ASBESTOS DETECTED
T =	TILE
M =	MASTIC
B =	BASEBOARD

Appendix E

Alta Environmental Employee Certifications

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

Fabian Ruvalcaba



Name

Certification No. **15-5533**

Expires on **11/17/18**

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 	12/06/2016
		
Fabian Ruvalcaba		ID #: 22130

Certificate Of Completion

Asbestos Building Inspector Initial Course

DOSH #:CA-015-05

Jorge Robles

ABII0424170007N12277

Alan Dages

Principal Instructor



Michael W. Horner

Training Director

4/24/2017

Course Start Date

4/26/2017

Course End Date

4/26/2017

Exam Date

4/26/2018

Expiration Date

This course satisfies the education requirements for Asbestos accreditation under the Toxic Substances Control Act, Title II. This course has been approved by the Department of Industrial Relations, Division of Occupational Safety and Health of the State of California

NATEC International, Inc.

National Association of Training and Environmental Consulting

1100 Technology Circle- Suite A, Anaheim, CA 92805 • www.natecintl.com • 800-969-3228



Important Industry Contacts

CAL-OSHA: Ph# (916) 574-2993
(916) 483-0572 Fax Notification
Web: www.dir.ca.gov or calosha.com

CDPH/CLPPB: Ph# (510) 620-5600
Web: www.cdph.ca.gov/programs/CLPPB

SCAQMD: Ph# (909) 396-3739
Fax# (909) 396-3342

BAAQMD: Ph# (415) 749-4762

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(714) 678-2750, (800) 969-3228, Fax (714) 678-2757

www.natecintl.com

NATEC International, Inc.

National Association of Training and Environmental Consulting
*Note: Card is not suitable substitute for certificate and is not accepted by SCAQMD as proof of certification

This Card Acknowledges That
Jorge Robles

Holds Training Certification For
Asbestos Building Inspector Initial Course

(Valid for 12 months)

Training Date 4/24/2017
Certificate No. ABII0424170007N12277

Michael W. Horner
Training Director

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

Cesar Ruvalcaba



Name

Certification No. **95-1799**

Expires on **10/27/18**

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.

Lead-Related
Construction
Certificate

Certificate
Type

Expiration
Date



Inspector/Assessor	01/16/2018
Project Monitor	01/16/2018



Cesar A. Ruvalcaba

ID #: 6855

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

David R Schack



Name

Certification No. **92-0219**

Expires on **07/09/18**

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

06/05/2018



David R. Schack

ID #: 1104