LIMITED ASBESTOS AND LEAD SURVEY

Floor and Paint Project
Building D, West Restrooms
Malibu High School
30215 Morning View Drive,
Malibu, California 90265

Prepared for:

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

Project No.: SMSD-16-6286
Date: January 20, 2017

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EXECUTIVE SUMMARY

On November 11, 2016, Alta Environmental conducted a limited survey for asbestos, and lead in paint for the Floor and Paint Project to be completed in the west side Restroom areas of Buildings D at Malibu High School located at 30215 Morning View Drive, Malibu, California. Our Cal/OSHA and California Department of Public Health (CDPH) Certified Professionals conducted the following activities:

- Initial investigation to locate suspect asbestos-containing materials (ACM), and lead in paint;
- Physical assessment of suspect ACM, painted surfaces;
- Collection of bulk samples from suspect ACM, painted surfaces;
- Direct readings of lead painted surfaces with an x-ray fluorescence spectrum analyzer; and
- Laboratory analysis of samples collected.

Asbestos-containing materials (ACMs) were detected in in areas inspected and sampled by Alta. 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*).

No lead-based paints (LBPs) were detected in areas inspected and sampled by Alta.

Lead-containing paints (LCP) were detected in areas inspected and sampled by Alta. 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 section 5 in this report for a summary of findings.

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Appendices

REPORTED: January 20, 2017 **PROJECT NO.:** SMSD-16-6286

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

ATTENTION: Mr. Chris Emmett

REF: Limited Asbestos and Lead Survey
Floors and Paint Project,
Building D, West Restrooms
Malibu High School
30215 Morning View Drive
Malibu, California

1 INTRODUCTION

On November 11, 2016, Alta Environmental conducted a limited survey for asbestos, and lead in paint for the Floor and Paint Project to be completed in the west side Restroom areas of Buildings D at Malibu High School located at 30215 Morning View Drive, Malibu, California.

2 PROJECT BACKGROUND

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

3 SCOPE OF WORK

Alta survey and sampling was limited to the west side Restroom areas and adjacent rooms. The following areas were included in our inspection and sampling:

1. NW Electrical room,
2. Boys and girl's restrooms,
3. Men and women restrooms,
4. Teachers' lounge
5. Room 113, and
6. Vestibules

The limited survey included the following:

- Initial investigation to locate suspect asbestos-containing materials (ACM), and lead in paint;
- Physical assessment of suspect ACM, painted surfaces;
- Collection of bulk samples from suspect ACM, painted surfaces;
- Direct readings of lead painted surfaces with an x-ray fluorescence spectrum analyzer; 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.

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

Representative painted surfaces were tested using a portable XRF spectrum analyzer of representative painted surfaces. The XRF used was the LPA-1, manufactured by Radiation Monitoring Devices (RMD) of Watertown, Massachusetts. XRF readings were taken by using the device "Quick" mode option. No time setting is required with this option since the device automatically adjusts its reading time to the different paint substrates for precision. The duration of each test result was determined by the substrate density in combination with the age of the radioactive source of the device and the actual reading relative to the abatement level (threshold) chosen. The testing includes a unique combination of room equivalent, building component type, and substrate.

An XRF Performance Characteristic Sheet (PCS) developed jointly by the U.S. Department of Housing and Urban Development (HUD) and the USEPA for the RMD LPA-1 was used. The PCS provides information

necessary to conduct an inspection of LBP using a specific XRF device. Based on the PCS, no inconclusive readings in the “Quick” mode were encountered for LBP on brick, concrete, drywall, metal, plaster or wood substrates.

Field calibration checks were performed prior, during and after each XRF lead inspection to determine that the device was functioning within acceptable limits (tolerance) determined by the manufacturer. Three readings of a red 1.04 mg/cm² Standard Reference Material (SRM) paint film, developed by the National Institute of Standard and Technology (NIST), were taken in the “Time Corrected” mode option during each calibration check. Each set of readings was averaged and compared to the PCS calibration check limit for the device. Please refer to Appendix H Field Notes, for documentation of the quality-control calibration checks.

Paint chip samples were collected to determine the weight percent concentration in the painted surfaces that were analyzed by XRF and reported below the USEPA, HUD or Los Angeles County action levels. Paint chip samples were collected for construction safety as defined by *Title 8 CCR Section 1532.1*. Paint chip sample analysis was conducted by EPA Method SW846/7420 at AQ Environmental Laboratory, located in Signal Hill, California, a laboratory accredited by the Environmental Laboratory Accreditation Program

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.
9" tan floor tile with mastic	MPD2-01 MPD2-02 MPD2-03	Vestibule entry to 113	2% chrysotile	50 sq.ft.
Exterior stucco	MPD1-01 MPD1-02 NPD1-03	All exterior walls	2% chrysotile	5,000 sq.ft.
Pipe fitting insulation on paper wrap	MPD7-01 MPD7-02 MPD7-03	Mechanical room and assumed on ceiling void spaces, wall cavities	5%-10% amosite, 5%-10% chrysotile	20 elbows

Material	Sample No.	Material Location	Asbestos Content	Est. Qty.
Pipe insulation-magnesia type	MPD8-01 MPD8-02 MPD8-03	Mechanical room and assumed on ceiling void spaces, wall cavities	35% chrysotile	200 ln.ft.

The results for all other materials sampled were reported 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

No lead-based paints (LBPs) were detected in areas inspected and sampled by Alta based on visual inspection and laboratory results.

Lead-containing paints according to Cal/OSHA *Title 8 CCR, Section 1532.1(d)* are defined as paints reported with any detectable levels of lead by paint chip analysis. When disturbed for construction purposes, these surfaces are subject to Cal/OSHA exposure assessment requirements. Amongst other things, this regulation requires initial employee exposure monitoring to evaluate worker exposure during work tasks that disturbs paint with any detectable level of lead. If airborne lead levels are above the established Cal/OSHA action limit or permissible exposure limit, additional monitoring and respiratory protection are required.

Summary of LCP

- Hatch-metal-white, D, all restrooms.
- Door casing-metal-blue-all restrooms, 113, janitors closet, electric room, vestibules

Component results are summarized in Appendix D Paint Chip Sample List and Appendix E Analytical Results.

6 CONCLUSIONS AND RECOMMENDATIONS

Alta survey and sampling was limited to the west side Restroom area and adjacent rooms. The following areas were included in our inspection and sampling: NW Electrical room, boys and girl’s restrooms, men and women restrooms, teachers’ lounge, room 113, and vestibules. NO other areas were survey by Alta in Building B.

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.

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.

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.

6.2 Lead

No lead-based paints (LBPs) were detected in areas inspected and sampled by Alta based on visual inspection and laboratory results.

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

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

Cesar Ruvalcaba
Certified Asbestos Consultant
Cal/OSHA Cert. #95-1799
Lead Inspector/Assessor, Project Monitor
CDPH Cert. #6855

CR:da

Appendix A

Asbestos Field Bulk Sample List

MATERIAL INVENTORY
ASBESTOS SAMPLES

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-16-6525
PROJECT NAME: Malibu High School, Building D

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
Rough wall plaster	MPD4-01 MPD4-02 MPD4-03	None Detected	Previously sampled by Cape 1993	Boys and girls restrooms, men and women restrooms, 113, vestibules, Janitors closet, electrical room	1,800 sq.ft.	No	No
Rough wall plaster	D-1	None Detected	Boys restroom, NW				
Rough wall plaster	D-2	None Detected	Girls restroom, SW				
Smooth wall plaster	MPD3-01 MPD3-02 MPD3-03	None Detected	Previously sampled by Cape 1993	Rooms 101, 102	900 sq.ft.	No	No
9" tan floor tile with mastic	MPD2-01 MPD2-02 MPD2-03	2% chrysotile	Previously sampled by Cape 1993	Vestibule entry to 113	50 sq.ft.	No	No
Exterior stucco	MPD1-01 MPD1-02 NPD1-03	2% chrysotile	Previously sampled by Cape 1993	All exterior walls	5,000 sq.ft.	No	No

MATERIAL INVENTORY
ASBESTOS SAMPLES

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-16-6525
PROJECT NAME: Malibu High School, Building D

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
12"x12" peghole acoustic tile and glue	MPD6-1 MPD6-02 MPD6-03	None Detected	Previously sampled by Cape 1993	Vestibule, 113, men and women restrooms	500 sq.ft.	No	No
12"x12" peghole acoustic tile and glue	D-3	None Detected	Closet by girls restroom				
12"x12" peghole acoustic tile and glue	D-4	None Detected	Boys restroom, center				
12"x12" peghole acoustic tile and glue	3366	None Detected	Previously sampled by CTL, 2007				
2'x4' peghole acoustic ceiling tile	MPD5-01 MPD5-02 MPD5-03	None Detected	Previously sampled by Cape 1993				
Pipe fitting insulation on paper wrap	MPD7-01 MPD7-02 MPD7-03	5%-10% amosite, 5%-10% chrysotile	Previously sampled by Cape 1993	Mechanical room and assumed on ceiling void spaces, wall cavities	20 elbows	Yes	No
Pipe insulation-magnesia type	MPD8-01 MPD8-02 MPD8-03	35% chrysotile	Previously sampled by Cape 1993	Mechanical room and assumed on ceiling void spaces, wall cavities	200 ln.ft.	Yes	No
Black mastic on ductwork	MPD9-01 MPD9-02 MPD9-03	None Detected	Previously sampled by Cape 1993	101, 103, and 104	200 ln.ft.	No	No
Drywall	D-5	None Detected	Girls restroom, SW	Girls restroom under grey ceramic tile	500 sq.ft.	No	No
Drywall	D-6	None Detected	Girls restroom, NE				
Drywall	D-7	None Detected	Girls restroom, SE				
Grey / white grout	D-8	None Detected	Girls restroom, SW	Boys and girls restrooms, men and women restrooms (under grey ceramic tile)	500 sq.ft.	No	No
Grey / white grout	D-9	None Detected	Boys restroom, center				
Grey / white grout	D-10	None Detected	Men restroom, NW				

MATERIAL INVENTORY
ASBESTOS SAMPLES

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-16-6525
PROJECT NAME: Malibu High School, Building D

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
Brown paper backing under plaster walls	D-11	None Detected	Janitors closet, SW	Boys and girls restrooms, men and women restrooms, 113, janitors closet, electrical room	1,800 sq.ft.	No	No
Brown paper backing under plaster walls	D-12	None Detected	Electrical room, NW				
Brown paper backing under plaster walls	D-13	None Detected	Boys restroom, North center				
Drywall ceiling	D-14	None Detected	Boys restroom, center	Boys and girls restroom (above 12" peghole ceiling tile)	900 sq.ft.	No	No
Drywall ceiling	D-15	None Detected	Boys restroom, NE				
Drywall ceiling	D-16	None Detected	Girls restroom, center				
4" grey covebase and glue	D-17	None Detected	Vestibules, NW	Vestibules, room 113	400 ln.ft.	No	No
4" grey covebase and glue	D-18	None Detected	113, NE				
4" grey covebase and glue	D-19	None Detected	113, SW				
2'x4' fissured ceiling panel	D-20	None Detected	Girls restroom, SW	Girls restroom SW patch	100 sq.ft.	Yes	No
2'x4' fissured ceiling panel	D-21	None Detected	Girls restroom, SW				
2'x4' fissured ceiling panel	D-22	None Detected	Girls restroom, SW				

MATERIAL INVENTORY
ASBESTOS SAMPLES

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-16-6525
PROJECT NAME: Malibu High School, Building D

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
12" light blue floor tile and glue	D-23	None Detected	Room 113, NW	Room 113, and Vestibule			
12" light blue floor tile and glue	D-24	None Detected	Room 113, SW				
12" light blue floor tile and glue	D-25	None Detected	Vestibule, NE				
Hard beige unfinished plaster	D-26	None Detected	Girls restroom, SW	Boys and Girls restrooms, 113, vestibule, men and women restrooms (above drop ceilings on walls and overspray on ductwork and pipes, and deck)			
Hard beige unfinished plaster	D-27	None Detected	Girls restroom, SE				
Hard beige unfinished plaster	D-28	None Detected	Vestibule, NW				
Hard beige unfinished plaster	D-29	None Detected	Boys restroom, center				
Hard beige unfinished plaster	D-30	None Detected	Boys restroom, SW				

ALTA ENVIRONMENTAL

Asbestos Field Bulk Sample List

Client: SMSD

Project No.: SMSD-16-1286

Project Name: Malibu High Bldg D

Technician: Fabian Ruvalcaba

Date: 11-1-16

Page: 1 of 5

Homogenous #	Photo #	Material	Sample #	Sample Location	Material Location	Est. Qty.	F	D
		Rough Wall Plast	Previously Sampled	Cape 1993 MPD4-01	BRR, GRR, WRR, MRR, 113, Vestibules,	1400 Sq Ft	N	N
				MPD4-02	Janitor closet, Electrical Rm			
				MPD4-03				
	ND		D-1	BRR - N/W				
			2	GRR - S/W				
		9" Tan F.T. w/Mastic	Previously Sampled	Cape 1993 Positive MPD7-1→3	Vestibule by Entry to 113	50 Sq Ft	N	N
		2'x4' Peghole Acoustic Ceiling Panel		Cape 1993 Neg MPD6-01→03	Vestibules, MRR, WRR, 113	500 Sq Ft	Y	N
		12"x12" Peghole Acoustic tile		Cape 1993 Neg MPD6-1→03				
	ND	Glue	D-3	closet - by GRR				
			-4	B-RR-Ctr				
			Previously Sampled	CTL - #3366 (Neg)				
	ND	Drywall	D-5	GRR - S/W	GRR Chunder Gray Cement Walls		N	N
			6	- N/E				
			7	- S/E				

ALTA ENVIRONMENTAL

Asbestos Field Bulk Sample List

Client: SMSD

Project No.: SMSD76-6256

Project Name: Malibu HS Bldg D

Technician: Fabian Ruvalcaba

Date: 11-1-16

Page: 2 of 3

Homogenous #	Photo #	Material	Sample #	Sample Location	Material Location	Est. Qty.	F	D
	NP	Gray/White Grout	D-8	GRR-S/W	GRR, BRR, WRR, MRR Counter	500 sqft	N	N
		↓	9	BRR-CH	Gray Grout like	↓	↓	↓
		↓	10	MRR-N/W	↓	↓	↓	↓
		Brown Paper Backing w/	11	Janitor Closet-S/W	BRR, GRR, WRR, MRR, 113, Janitor	1800 sqft	N	N
		Plaster Walls	12	Electrical Rm N/W	Closet, Electrical R-	↓	↓	↓
		↓	13	BRR-N/CH	↓	↓	↓	↓
		Drywall Ceiling	14	BRR-CH	BRR, GRR (Above 12" Peghole	900 sqft	N	N
		↓	15	GRR-N/[illegible]	Ceiling tile	↓	↓	↓
		↓	16	GRR-CH	↓	↓	↓	↓
		4" Gray Caulk-NC w/Glue	17	Vestibule-N/W	Vestibules, R-113	40 lnft	N	N
		↓	18	113-N/W	↓	↓	↓	↓
		↓	19	13-S/W	↓	↓	↓	↓
		2'x4' Fissured Ceiling Panel	20	GRR-S/W	GRR S/W Patch	100 sqft	Y	N
		↓	21	↓ S/W	↓	↓	↓	↓
		↓	22	↓ S/W	↓	↓	↓	↓

ALTA ENVIRONMENTAL

Asbestos Field Bulk Sample List

Client: SMMUSD

Project No.: SMSD-16-6286

Project Name: Malibu High - Bldg D

Technician: Fabian Ruvalcaba

Date: 11-17-16

Page: 5 of 3

Homogenous #	Photo #	Material	Sample #	Sample Location	Material Location	Est. Qty.	F	D
	ND	12" Lt. Blue F.T. w/ Glue	D-23	R-113-N/W	R-113, Vestibule,	135 sq ft	N	N
		↓	24	↓ -S/W	↓	↓	↓	↓
		↓	25	↓ Vestibule N/E	↓	↓	↓	↓
		Hard Base w/ Finish Plaster	26	GRR-S/W	BRR, GRR, 113, Vestibule, MRR, WRR,	1000 sq ft	N	N
		↓	27	GSRR-S/E	(Above Drop Ceilings on walls)	↓	↓	↓
		↓	28	Vestibule-N/W	overspray on Duct work and Pipeng and Deck	↓	↓	↓
		↓	29	BRR-CH	↓	↓	↓	↓
	↓	↓	30	BRR-S/W	↓	↓	↓	↓

Appendix B

Laboratory Analytical Report: Asbestos

ENVIRONMENTAL LABORATORIES

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Attn.: Cesar Ruvalcaba

Report Number 1625961

Project Number SMSD-16-6286
Project Name Malibu H.S. - Bldg E-D
Location
PO Number SMSD-16-6286
WO Number

Date Received 11/02/2016
Date Analyzed 11/07/2016
Date Reported 11/07/2016

Date Sampled 11/01/2016
Sampled By F. Ruvalcaba
Total Samples 57

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	(%)
1625961-019	Bldg E					
E-11B	Glue, Tan, Homogeneous	LAYER 1	Cellulose Fiber	<1%	None Detected	
		100%	Synthetic Fiber	<1		
			Organic Binders/Filler	100%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
1625961-020	Bldg E					
E-12A	12" Speckled F.T., Lt. Gray, Homogeneous	LAYER 1			None Detected	
		100%	Calcium Carbonate	65%		
			Vinyl Binder	35%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
1625961-021	Bldg E					
E-12B	Glue, Tan, Homogeneous	LAYER 1	Cellulose Fiber	<1%	None Detected	
		100%	Organic Binders/Filler	100%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
1625961-022	Bldg D					
D-1	Rough Wall Plaster, Pink/White/Beige, Non-homogeneous	LAYER 1			None Detected	
		100%	Quartz	25%		
			Calcium Carbonate	45%		
			Binder/Filler	30%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
1625961-023	Bldg D					
D-2	Rough Wall Plaster, Pink/White/Beige, Non-homogeneous	LAYER 1			None Detected	
		100%	Quartz	30%		
			Calcium Carbonate	20%		
			Binder/Filler	50%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
1625961-024	Bldg D					
D-3	12"x12" Peghole Acoustic Tile Glue, Dk. Brown, Homogeneous	LAYER 1	Fibrous Talc	8%	None Detected	
		100%	Organic Binders	92%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

ENVIRONMENTAL LABORATORIES

1508 East 33rd Street
Signal Hill, CA 90755
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 1625961

Project Number SMSD-16-6286
Project Name Malibu H.S. - Bldg E-D
Location
PO Number SMSD-16-6286
WO Number

Date Received 11/02/2016
Date Analyzed 11/07/2016
Date Reported 11/07/2016

Date Sampled 11/01/2016
Sampled By F. Ruvalcaba
Total Samples 57

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	(%)
1625961-025	Bldg D					
D-4	12"x12" Peghole Acoustic Tile Glue, Dk. Brown, Homogeneous	LAYER 1 100%	Fibrous Glass Organic Binders	8% 92%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
1625961-026	Bldg D					
D-5	Drywall, Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Gypsum	15% 1% 84%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
1625961-027	Bldg D					
D-6	Drywall, Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Gypsum	40% <1 60%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
1625961-028	Bldg D					
D-7	Drywall, Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Gypsum	25% 1% 74%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
1625961-029	Bldg D					
D-8	Grout, Gray, Homogeneous	LAYER 1 100%	Quartz Calcium Carbonate Binder/Filler	25% 55% 20%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
1625961-030	Bldg D					
D-9	Grout, Gray, Homogeneous	LAYER 1 100%	Quartz Calcium Carbonate Binder/Filler	25% 55% 20%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Long Beach CA 90807
Attn.: Cesar Ruvalcaba

Report Number 1625961

Project Number SMSD-16-6286
Project Name Malibu H.S. - Bldg E-D
Location
PO Number SMSD-16-6286
WO Number

Date Received 11/02/2016
Date Analyzed 11/07/2016
Date Reported 11/07/2016

Date Sampled 11/01/2016
Sampled By F. Ruvalcaba
Total Samples 57

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	(%)
1625961-031	Bldg D					
D-10	Grout, Gray, Homogeneous	LAYER 1			None Detected	
		100%	Quartz	25%		
			Calcium Carbonate	55%		
			Binder/Filler	20%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
1625961-032	Bldg D					
D-11	Paper Backing, Brown, Homogeneous	LAYER 1	Cellulose Fiber	100%	None Detected	
		100%				
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
1625961-033	Bldg D					
D-12	Paper Backing, Brown, Homogeneous	LAYER 1	Cellulose Fiber	100%	None Detected	
		100%				
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
1625961-034	Bldg D					
D-13	Paper Backing, Brown, Homogeneous	LAYER 1	Cellulose Fiber	100%	None Detected	
		100%				
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
1625961-035	Bldg D					
D-14	Drywall, White/ Brown, Non-homogeneous	LAYER 1	Cellulose Fiber	15%	None Detected	
		100%	Fibrous Glass	<1		
			Gypsum/Filler	85%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
1625961-036	Bldg D					
D-15	Drywall, White/ Brown, Non-homogeneous	LAYER 1	Cellulose Fiber	15%	None Detected	
		100%	Fibrous Glass	<1		
			Gypsum/Filler	85%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Test Report

Laboratory ID / Sample No.	Sample Location Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
1625961-037	Bldg D					
D-16	Drywall, White/ Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Gypsum/Filler	15% <1 85%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
1625961-038	Bldg D					
D-17A	4" Covebase, Gray, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	30% 70%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
1625961-039	Bldg D					
D-17B	Glue, White, Homogeneous	LAYER 1 100%	Organic Binders/Filler	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
1625961-040	Bldg D					
D-18A	4" Covebase, Gray, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	30% 70%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
1625961-041	Bldg D					
D-18B	Glue, White, Homogeneous	LAYER 1 100%	Organic Binders/Filler	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
1625961-042	Bldg D					
D-19A	4" Covebase, Gray, Homogeneous	LAYER 1 100%	Calcium Carbonate Vinyl Binder	30% 70%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Sampled By F. Ruvalcaba
Total Samples 57

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Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
1625961-043	Bldg D					
D-19B	Glue, White, Homogeneous	LAYER 1			None Detected	
		100%	Organic Binders/Filler	100%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
1625961-044	Bldg D					
D-20	2'x4' Fissured Ceiling Panel, White / Tan, Non-homogeneous	LAYER 1	Cellulose Fiber	60%	None Detected	
		100%	Perlite	35%		
			Binder/Filler	5%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
1625961-045	Bldg D					
D-21	2'x4' Fissured Ceiling Panel, White / Tan, Non-homogeneous	LAYER 1	Cellulose Fiber	60%	None Detected	
		100%	Perlite	35%		
			Binder/Filler	5%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
1625961-046	Bldg D					
D-22	2'x4' Fissured Ceiling Panel, White / Tan, Non-homogeneous	LAYER 1	Cellulose Fiber	60%	None Detected	
		100%	Perlite	35%		
			Binder/Filler	5%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
1625961-047	Bldg D					
D-23A	12" F.T., Lt. Blue, Homogeneous	LAYER 1			None Detected	
		100%	Calcium Carbonate	65%		
			Vinyl Binder	35%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
1625961-048	Bldg D					
D-23B	Glue, Brown, Homogeneous	LAYER 1			None Detected	
		100%	Organic Binders/Filler	100%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
1625961-049	Bldg D					
D-24A	12" F.T., Lt. Blue, Homogeneous	LAYER 1			None Detected	
		100%	Calcium Carbonate	65%		
			Vinyl Binder	35%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
1625961-050	Bldg D					
D-24B	Glue, Yellow, Homogeneous	LAYER 1	Cellulose Fiber	<1%	None Detected	
		100%	Organic Binders/Filler	100%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
1625961-051	Bldg D					
D-25A	12" F.T., Lt. Blue, Homogeneous	LAYER 1			None Detected	
		100%	Calcium Carbonate	65%		
			Vinyl Binder	35%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
1625961-052	Bldg D					
D-25B	Glue, Yellow, Homogeneous	LAYER 1	Cellulose Fiber	<1%	None Detected	
		100%	Fibrous Glass	2%		
			Organic Binders/Filler	98%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
1625961-053	Bldg D					
D-26	Unfinished Plaster, Beige, Homogeneous	LAYER 1			None Detected	
		100%	Quartz	40%		
			Calcium Carbonate	15%		
			Gypsum	45%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
1625961-054	Bldg D					
D-27	Unfinished Plaster, Beige, Homogeneous	LAYER 1			None Detected	
		100%	Quartz	35%		
			Calcium Carbonate	15%		
			Gypsum	50%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Report Number 1625961

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Sampled By F. Ruvalcaba
Total Samples 57

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Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
1625961-055	Bldg D					
D-28	Unfinished Plaster, Beige, Homogeneous	LAYER 1			None Detected	
		100%	Quartz	35%		
			Calcium Carbonate	15%		
			Gypsum	50%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
1625961-056	Bldg D					
D-29	Unfinished Plaster, Beige, Homogeneous	LAYER 1			None Detected	
		100%	Quartz	30%		
			Calcium Carbonate	15%		
			Gypsum	55%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
1625961-057	Bldg D					
D-30	Unfinished Plaster, Beige, Homogeneous	LAYER 1			None Detected	
		100%	Quartz	30%		
			Calcium Carbonate	15%		
			Gypsum	55%		
	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.

Cristina E Tabatt

Analyst - Cristina Tabatt

Cristina E Tabatt

Approved Signatory Cristina E. Tabatt

NVLAP®
Lab Code 500044-0

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CHAIN OF CUSTODY

(Lab) Order No. 1625961

CUSTOMER INFORMATION

Company	Alta Env LI
Address	3777 Long Beach Blvd
City/State/Zip	Long Beach Ca
Contact	C. Rwalch
Office Phone	
Cell	
Fax	
Email	✓

Turnaround Time		Shipped By		Report Send Via:	
Same Day	☐	Fedex	☐	Web	☐
1 Day	☐	UPS	☐	Email	☑
2 Day	☐	USPS	☐	Fax	☐
3 Day	☐	Drop Off	☑	Verbal	☐
5 Day	☒	Drop Box	☐	Mail	☐
Weekend	☐	Other	☐	Pick up	☐

Special Instructions:

PROJECT INFORMATION

Project Name:	Malibu H.S. - Bldg E-D	PO Number:	SMSD-16-6286
Project Number:	SMSD-16-6286	Work Order No.:	
Location:		Sampled By:	F. Rwalch

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

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time / Stop Time	Avg Flow Rate	Volume (L)
E-1	Adhesive for Blue Carpet	Bldg E	10-1-16			
2	"	"	"			
3	"	"	"			
4	4" Blue Coved Base w/ Glue	"	"			
5	"	"	"			
6	"	"	"			
7	12" Lt. Blue Speckled Tile w/ Glue	"	"			
8	"	"	"			
9	"	"	"			
10	12" Lt Gray Speckled Tile w/ Glue	"	"			

Relinquished By:	Received By: C. Tibbett
Date/Time: 11-2-16	Date/Time: 11/02/16, 8:00 am
Relinquished By:	Received By:
Date/Time:	Date/Time:

CHAIN OF CUSTODY

AQ ENVIRONMENTAL LABORATORIES

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Company: Alta
Project Number: SMSP-16-6286
Project Name: Malibu H.S. - Bldg E-D

(Lab) Order No. 1625961

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time / Stop Time	Avg Flow Rate	Volume (L)
E-11	↓	Bldg E	11-1-16			
↓ 12		↓				
D-1	Rough wall plaster	Bldg D				
2	↓					
3	12" x 12" Peghole Acoustic tile Glue					
4	↓					
5	Drywall					
6						
7	↓					
8	Gray/white Grout					
9						
10	↓					
11	Brown Paper Backing					
12						
13	↓					
14	Drywall					
15						
16	↓					
17	4" Gray Cove base w/glue					
↓ 18	↓	↓	↓			

Relinquished By: [signature]	Received By: [signature]
Date/Time: 11-2-16	Date/Time: 11/02/16, 8:00 am
Relinquished By:	Received By:
Date/Time:	Date/Time:

Lab Forms
Ver. 2016-06-27

CHAIN OF CUSTODY

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Company: Alta

Project Number: SMSD-16-628C

Project Name: Malibu H.S. - Bldg E. D

(Lab) Order No. 1625961

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time / Stop Time	Avg Flow Rate	Volume (L)
D-19	1	Bldg D	11-1-16			
20	2'x4' Fiber-cd Ceiling Panel					
21						
22						
23	12" Lt. Blue F.T.					
24	w/Glue					
25						
26	Hard Base Plaster					
27						
28						
29						
30						

Relinquished By:	Received By: CJ Hatt
Date/Time: 11-2-16	Date/Time: 11/02/16, 8:00 am
Relinquished By:	Received By:
Date/Time:	Date/Time:

Bulk Sample Analysis Summary

Date: *March 4, 1993*
Hygeia Ref. No.: *C1122930017*
Microscopist: *Anne Carlsen*

Client ID No. Hygeia ID No.	Sample Description	Asbestos Detected	Analytical Results	Q.C.
MP-D-3-01 *104426C*	*plaster walls-smooth*	*No*	*95% mineral filler* *5% non-fibrous material*	
MP-D-03-02 *104427C*	*plaster walls-smooth*	*No*	*95% mineral filler* *5% non-fibrous material*	
MP-D-3-03 *104428C*	*plaster walls-smooth*	*No*	*95% mineral filler* *5% non-fibrous material*	
MP-D-4-01 *104429C*	*plaster walls-rough*	*No*	*5% cellulose* *85% mineral filler* *10% non-fibrous material*	X
MP-D-4-02 *104430C*	*plaster walls-rough*	*No*	*90% mineral filler* *10% non-fibrous material*	
MP-D-4-03 *104431C*	*plaster walls-rough*	*No*	*5% cellulose* *90% mineral filler* *5% non-fibrous material*	
MP-D-5-01 *104432C*	*ceiling tile, 2'x4' peghole*	*No*	*50% cellulose* *40% fibrous glass* *10% mineral filler*	

Bulk Sample Analysis Summary

Date: *March 4, 1993*
Hygeia Ref. No.: *C1122930017*
Microscopist: *Anne Carlsen*

Client ID No. Hygeia ID No.	Sample Description	Asbestos Detected	Analytical Results	Q.C.
MP-D-5-02 *104433C*	*ceiling tile, 2'x4' peghole*	*No*	*45% cellulose* *45% fibrous glass* *10% mineral filler*	
MP-D-5-03 *104434C*	*ceiling tile, 2'x4' peghole*	*No*	*45% cellulose* *40% fibrous glass* *10% mineral filler* *5% non-fibrous material*	
MP-D-6-01 *104435C*	*ceiling tile-1'x1' peghole*	*No*	*60% cellulose* *10% fibrous glass* *10% mineral filler* *20% perlite*	X
MP-D-6-02 *104436C*	*ceiling tile-1'x1' peghole*	*No*	*70% cellulose* *5% fibrous glass* *5% mineral filler* *20% perlite*	
MP-D-6-03 *104437C*	*ceiling tile-1'x1' peghole*	*No*	*70% cellulose* *5% fibrous glass* *5% mineral filler* *20% perlite*	
MP-D-7-01 *104438C*	*PFI on paper wrap*	*Yes*	*5% chrysotile,<1% amosite* *5% cellulose* *40% fibrous glass* *50% mineral filler*	
MP-D-7-02 *104439C*	*PFI on paper wrap*	*Yes*	*5% chrysotile, 5% amosite* *40% fibrous glass* *50% mineral filler*	

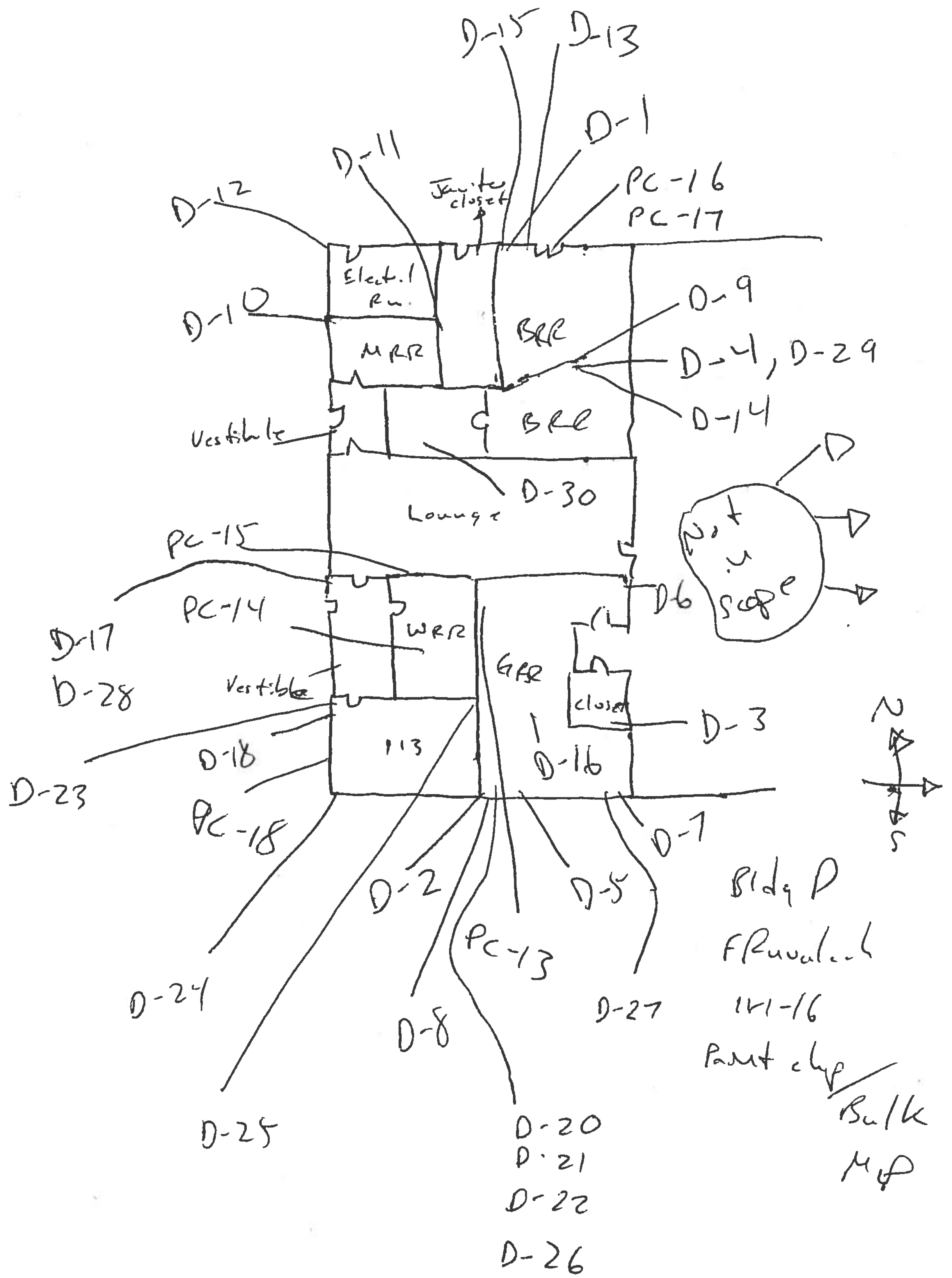
Bulk Sample Analysis Summary

Date: March 4, 1993
Hygeia Ref. No.: C1122930017
Microscopist: Anne Carlsen

Client ID No. Hygeia ID No.	Sample Description	Asbestos Detected	Analytical Results	Q.C.
MP-D-7-03 104440C	PFI on paper wrap	Yes	10% chrysotile, 10% amosite 40% fibrous glass 40% mineral filler	
MP-D-8-01 104441C	pipe insulation, magnesia type	Yes	30% amosite 5% fibrous glass 65% mineral filler	
MP-D-8-02 104442C	pipe insulation, magnesia type	Yes	35% amosite 5% cellulose 60% mineral filler	
MP-D-8-03 104443C	pipe insulation, magnesia type	Yes	35% amosite 5% cellulose 60% mineral filler	
MP-D-9-01 104444C	black mastic on ducts	No	10% mineral filler 90% organic binders	X
MP-D-9-02 104445C	black mastic on ducts	No	10% mineral filler 90% organic binders	
MP-D-9-03 104446C	black mastic on ducts	No	15% mineral filler 85% organic binders	

Appendix C

Sample Location Map: Asbestos


D-15
D-13
D-1
D-11
D-12
Janitor closet
PC-16
PC-17
Electrical Rm
D-10
MRR
BRR
D-9
D-4, D-29
D-14
BRR
Vestibule
D-30
Lounge
Not in scope
PC-15
D-6
PC-14
D-17
D-28
WRR
GRR
Vestibule
closet
D-3
113
D-16
D-18
D-23
PC-18
D-7
D-2
D-5
PC-13
D-24
D-27
D-8
D-25
D-20
D-21
D-22
D-26
N
S
Bldg D
1-1-16
Paint chip/Bulk
Map

Appendix D

Paint Chip Sample List: Lead

Paint Chip Sample List

CLIENT: SMMUSD
PROJECT NO: SMSD-16-6286

PROJECT NAME: Malibu High, Building D

Component	Sample No.	Substrate	Paint Color	Sample Location	Material Location	Results (PPM)	Damage	Approx. Damage Qty.
Wall	PC-13	Plaster	White	Girls restroom, NW	All restrooms, 113, janitors closet, electric room, vestibules	80	No	N/A
Divider	PC-14	Metal	Grey	WRR, center	D, WRR	<62	No	N/A
Hatch	PC-15	Metal	White	WRR, north center	D, all restrooms	480	No	N/A
Door	PC-16	Wood	Blue	BRR, NE	All restrooms, 113, janitors closet, electric room, vestibules	<80	No	N/A
Door casing	PC-17	Metal	Blue	BRR, NE	All restrooms, 113, janitors closet, electric room, vestibules	900	No	N/A

ALTA ENVIRONMENTAL

D

Paint Chip Sample List

Client: SMMUSD

Project No.: SMSD-16-6286

Project Name: Malibu High - Bldg E ; D

Technician: E. Arelcabe

Date: 11-1-16

Page: 1 of 2

Homogeneous #	Photo #	Component	Sample #	Substrate	Paint Color	Sample Location	Material Location	Damaged Yes/No	Est. Damaged Qty.
		Wall	PC-1	Plaster	white	Rm 9 - N/ctr	Interior - Bldg E	N	
		Door	2	wood	Blue	R - 3 - W/ctr	Interior/Exterior - Bldg E	N	
		Cabinet	3	wood	Brown Varnish	R - 5 - S/ctr	Exterior - Bldg E	N	
		Ceiling	4	wood	white	R - 7 - Ctr	Interior - Bldg E	N	
		Door Casing	5	Metal	white	RR 1 - Ctr	Bldg E - RRs, R-14 16 (Interior/Exterior)	N	
		↓	6	↓	Blue	RR 2 - Ctr	Bldg E - RR; R-14; R-16	N	
		Divider	7	Metal	Green	RR 1 - Ctr	Bldg E - RRs	N	
		↓	8	↓	Blue	RR 2 - Ctr	↓	N	
		Wall	9	Stucco	white	Exterior - N/ctr	Bldg E - Exterior wall; ceiling	N	
		Vent	10	Metal	white	- W/ctr	Exterior - Bldg E	N	
		Fascia	11	Metal	Blue	- W/ctr	Exterior - Bldg E, Fascia, Gutter, Downspout	N	

ALTA ENVIRONMENTAL

Paint Chip Sample List

Client: Smmusd

Project No.: SMUSD-16-6286

Project Name: Malibu High — Bldg E/D

Technician: F. Lundcck

Date: 11-1-16

Page: 2 of 2

Homogeneous #	Photo #	Component	Sample #	Substrate	Paint Color	Sample Location	Material Location	Damaged Yes/No	Est. Damaged Qty.
		Handrail	PC-12	Metal	Blue	Exterior - S/W Corner	Exterior - Bldg E	N	
	80	Wall	13	Plaster	White	GRR - N/W	Bldg D - GRR, BRR, MRR, WRR, 113, Janitor closet, Electrical Rm, Vestibule	N N	
	262	Divider	14	Metal	Gray	WRR - Ct	Bldg D - WRR	N	
	480	Hutch	15	Metal	White	WRR - N/Ct	Bldg D - WRR, MRR, BRR, GRR	N	
	280	Door	16	Wood	Blue	BRR - N/E	Bldg D - WRR, MRR, BRR, GRR, 113, Vestibules, Electrical Rm, Janitor Closet	N	
	900	Case	17	Metal	↓	↓	↓		
	360	Wall	18	Brick	White	113 - W/Ct	113, Vestibules, MRR	N	

\\server-lb-1\ctldata\alta documents\field forms\whs\paint chip sample list2011.doc

Appendix E

Laboratory Analytical Report: Lead

AQ ENVIRONMENTAL LABORATORIES

1508 East 33rd Street
Signal Hill, CA 90755
Tel (562) 206-2770
Fax (562) 206-2773

Alta Environmental
3777 Long Beach Boulevard
Long Beach, CA 90807
Attention: Cesar Ruvalcaba

Project Number: SMSD-16-0286
Project Name: Malibu H.S. Bldg E-D
Location: Malibu

PO Number: SMSD-16-0286

Report Number: **1625962**

Date Received: 11/2/2016
Date Analyzed: 11/8/2016
Date Reported: 11/9/2016

Date Sampled: 11/1/2016
Sampled By: F. Ruvalcaba
Total Samples: 18

Analytical Method: **EPA 7420/3050**
Reporting Limit: **5.0 µg**

Lead (Pb) in Paint by Flame AAS

Lab ID Client ID	Location/Description	Sample Weight (g)	Lead Concentration ppm (mg/kg)
1625962-001 PC-1	Wall Plaster Wall	0.1068	84
1625962-002 PC-2	Door Wood Blue	0.1048	1,900
1625962-003 PC-3	Cabinet Wood Brown Varnish	0.1045	150
1625962-004 PC-4	Ceiling Wood White	0.0668	75
1625962-005 PC-5	Doorcase Metal White	0.1015	3,000
1625962-006 PC-6	Doorcase Metal Blue	0.1009	< 50
1625962-007 PC-7	Divider Metal Green	0.0954	2,300
1625962-008 PC-8	Divider Metal Blue	0.0358	< 140
1625962-009 PC-9	Wall Stucco White	0.1030	390
1625962-010 PC-10	Vent Metal White	0.0664	< 75
1625962-011 PC-11	Fascia Metal Blue	0.1009	89
1625962-012 PC-12	Handrail Metal Blue	0.1041	110

ENVIRONMENTAL LABORATORIES

1508 East 33rd Street
Signal Hill, CA 90755
Tel (562) 206-2770
Fax (562) 206-2773

Report Number: **1625962**

Alta Environmental
3777 Long Beach Boulevard
Long Beach, CA 90807
Attention: Cesar Ruvalcaba

Project Number: SMSD-16-0286
Project Name: Malibu H.S. Bldg E-D
Location: Malibu
PO Number: SMSD-16-0286

Lead in Paint by Flame AAS

Lab ID Client ID	Location/Description	Sample Weight (g)	Lead Concentration ppm (mg/kg)
1625962-013 PC-13	Wall Plaster White	0.1035	80
1625962-014 PC-14	Divider Metal Gray	0.0812	< 62
1625962-015 PC-15	Hatch Metal White	0.0640	480
1625962-016 PC-16	Door Wood Blue	0.0627	< 80
1625962-017 PC-17	Doorcase Metal Blue	0.1054	900
1625962-018 PC-18	Wall Brick White	0.0832	360

Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. This report shall not be reproduced without the written approval of this laboratory. The client shall be solely responsible for interpreting analytical results. Samples have not been blank corrected. Samples shall be disposed according to local, state and federal laws, 30 days after reporting results.

CA ELAP Cert #2823

Approved Signatory- Cristina E. Tabatt

CHAIN OF CUSTODY

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

(Lab) Order No. 1625962

CUSTOMER INFORMATION		Turnaround Time		Shipped By		Report Send Via:	
Company	Alta	Same Day	☐	Fedex	☐	Web	☐
Address	3777 Long Beach Blvd	1 Day	☐	UPS	☐	Email	☒
City/State/Zip	Long Beach Ca	2 Day	☐	USPS	☐	Fax	☐
Contact	C. Rosalaba	3 Day	☐	Drop Off	☒	Verbal	☐
Office Phone		5 Day	☒	Drop Box	☐	Mail	☐
Cell		Weekend	☐	Other	☐	Pick up	☐
Fax		**Special Instructions:**					
Email	✓						

PROJECT INFORMATION

Project Name:	Mathew H.S. Bldg B-D	PO Number:	SMSD-16-0286
Project Number:	SMSD-16-0286	Work Order No.:	
Location:	Mathew	Sampled By:	F. Rosales

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

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time / Stop Time	Avg Flow Rate	Volume (L)
PC-1	Wall Plaster White		11-1-16			
2	Door wood Blue					
3	Cabinet Wood Brown Varnish					
4	Ceiling Wood White					
5	Door Case Metal White					
6	" " Blue					
7	Divider Metal Green					
8	" " Blue					
9	Wall Stucco White					
10	Vent Metal White					

Relinquished By:		Received By:	CJ Tibatt
Date/Time:	11-2-16	Date/Time:	11/02/16, 8:00 am
Relinquished By:		Received By:	
Date/Time:		Date/Time:	

CHAIN OF CUSTODY

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

Company:

Project Number:

Project Name: Malibu H.S. - Bldg E-D

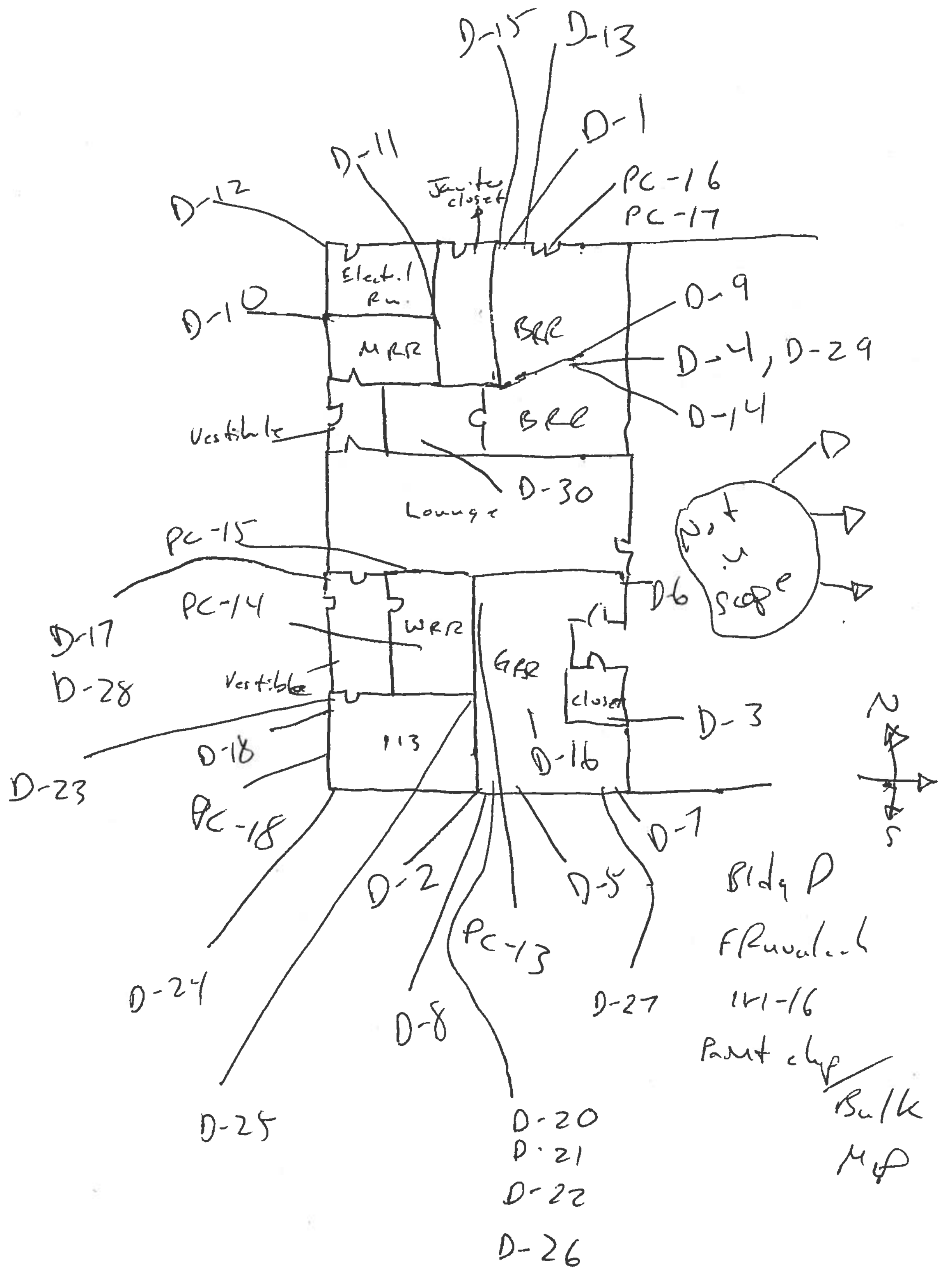
(Lab) Order No. 1625962

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time / Stop Time	Avg Flow Rate	Volume (L)
PC-11	Fascia - Metal Blue		11-1-16			
12	Handrail Metal Blue					
13	Wall Plaster white					
14	Door Metal Gray					
15	Hatch Metal White					
16	Door	Wood Blue				
17	Light	Metal				
18	Wall Brick white					

Relinquished By:		Received By:	CSTabatt
Date/Time:	11-2-16	Date/Time:	11/02/16, 8:00 am
Relinquished By:		Received By:	
Date/Time:		Date/Time:	

Appendix F

Sample Location Map: Lead



D-15
D-13
D-1
D-11
Janitor closet
PC-16
PC-17
D-12
Electrical Rm
D-10
MRR
BRR
D-9
D-4, D-29
D-14
Vestibule
BRR
D-30
Lounge
Not in scope
PC-15
D-6
D-17
D-28
PC-14
WRR
Vestible
GRR
closet
D-3
D-18
113
D-16
D-23
PC-18
D-7
D-2
D-5
PC-13
D-24
D-8
D-27
D-25
D-20
D-21
D-22
D-26
N
S
Bldg D
FR
1-1-16
Paint chip/Bulk map

Appendix G

XRF Lead Inspection, Instrument Calibration, and DHS 8552

DETAILED REPORT OF LEAD PAINT INSPECTION FOR:

Location: Malibu Building D
Inspector: Fabian Ruvalcaba

Inspection Date: 11/01/16
Report Date: 12/14/2016
Abatement Level: 0.8
Report No. S#01184 - 11/01/16 18:43
Total Readings: 52
Job Started: 11/01/16 18:43
Job Finished: 11/01/16 20:42

Read No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Paint Color	Lead (mg/cm²)	Mode
Interior Room 007 D-GRR									
029	A	Wall	L Ctr		I	Ceramic	Gray	-0.3	QM
031	A	Floor			I	Ceramic	Gray	-0.4	QM
033	A	Toilet	Ctr		I	Ceramic	White	0.1	QM
030	B	Baseboard	Ctr		I	Ceramic	Gray	-0.3	QM
034	C	Wall	L Ctr		I	Plaster	White	-0.2	QM
037	C	Door	Ctr	Lft casing	I	Wood	Blue	-0.3	QM
036	C	Door	Ctr	L Ctr	I	Wood	Blue	-0.3	QM
032	C	Sink	Ctr		I	Ceramic	White	0.1	QM
035	C	Hatch	Ctr		I	Metal	White	-0.5	QM
Interior Room 008 D-113									
039	A	Wall	L Ctr		I	Plaster	White	-0.1	QM
041	A	Door	Ctr	Lft casing	I	Metal	Blue	0.1	QM
040	A	Door	Ctr	L Ctr	I	Wood	Blue	-0.4	QM
038	C	Wall	L Ctr		I	Brick	White	-0.2	QM
Interior Room 009 D-WRR									
042	A	Wall	L Ctr		I	Ceramic	Gray	-0.1	QM
043	A	Baseboard	Ctr		I	Ceramic	Gray	-0.4	QM
044	A	Floor			I	Ceramic	Gray	-0.5	QM
045	A	Stall	Ctr		I	Metal	Gray	-0.3	QM
Interior Room 010 D-BRR									
046	A	Wall	L Ctr		I	Ceramic	Gray	0.0	QM
047	D	Floor			I	Ceramic	Gray	-0.4	QM
Interior Room 011 D-MRR									
048	A	Wall	L Ctr		I	Ceramic	Gray	-0.4	QM
049	D	Floor			I	Ceramic	Gray	-0.3	QM
Calibration Readings									
001								0.9	TC
002								1.1	TC
003								1.0	TC
050								0.9	TC
051								1.1	TC
052								1.0	TC

---- End of Readings ----

ALTA ENVIRONMENTAL – XRF DATA FORM

Site: Bldg D **Unit:** 1 **Project #**

ROOM EQUIVALENT: CR **INSPECTOR:**

Number	Component	Wall	Location	Substrate	Condition	Color
29	Wall	A B C D	L R C	W DW P M C B S CE	P F	Gray
30	~~Wall~~ Baseboard	A B C D	L R C	W DW P M C B S CE	P F	
31	~~Wall~~ floor	A B C D	L R C	W DW P M C B S CE	P F	
32	~~Wall~~ Sink	A B C D	L R C	W DW P M C B S CE	P F	White
33	Toilet	A B C D	L R C	W DW P M C B S CE	P F	
34	~~Baseboard~~ Wall	A B C D	L R C	W DW P M C B S CE	P F	White
35	~~Door~~ Hatch	A B C D	L R C	W DW P M C B S CE	P F	White
36	~~Door casing~~ Door	A B C D	L R C	W DW P M C B S CE	P F	Blue
37	~~Door jamb~~ door	A B C D	L R C	W DW P M C B S CE	P F	
	Ceiling	A B C D	L R C	W DW P M C B S CE	P F	
	Window casing	A B C D	L R C	W DW P M C B S CE	P F	
	Window sash	A B C D	L R C	W DW P M C B S CE	P F	
	Cabinets	A B C D	L R C	W DW P M C B S CE	P F	
		A B C D	L R C	W DW P M C B S CE	P F	
		A B C D	L R C	W DW P M C B S CE	P F	

Notes:

ROOM EQUIVALENT: 113

Number	Component	Wall	Location	Substrate	Condition	Color
38	Wall	A B C D	L R C	W DW P M C B S CE	P F	White
39	Wall	A B C D	L R C	W DW P M C B S CE	P F	White
40	~~Wall~~ Door	A B C D	L R C	W DW P M C B S CE	P F	Blue
41 CR	~~Wall~~ door	A B C D	L R C	W DW P M C B S CE	P F	
		A B C D	L R C	W DW P M C B S CE	P F	
	Baseboard	A B C D	L R C	W DW P M C B S CE	P F	
42 SRR	~~Door~~ Wall	A B C D	L R C	W DW P M C B S CE	P F	Gray
43	~~Door casing~~ Baseboard	A B C D	L R C	W DW P M C B S CE	P F	
44	~~Door jamb~~ floor	A B C D	L R C	W DW P M C B S CE	P F	
45	~~Ceiling~~ D.W. Ceiling	A B C D	L R C	W DW P M C B S CE	P F	Gray
	Window casing	A B C D	L R C	W DW P M C B S CE	P F	
	Window sash	A B C D	L R C	W DW P M C B S CE	P F	
	Cabinets	A B C D	L R C	W DW P M C B S CE	P F	
		A B C D	L R C	W DW P M C B S CE	P F	
		A B C D	L R C	W DW P M C B S CE	P F	

Notes:

ROOM EQUIVALENT: B BR

Number	Component	Wall	Location	Substrate	Condition	Color
46	Wall	A B C D	L R C	W DW P M C B S CE	P F	Gray
47	~~Wall~~ floor	A B C D	L BR C	W DW P M C B S CE	P F	Gray
	Wall	A B C D	L R C	W DW P M C B S CE	P F	
	Wall	A B C D	L R C	W DW P M C B S CE	P F	
		A B C D	L R C	W DW P M C B S CE	P F	
	Baseboard	A B C D	L R C	W DW P M C B S CE	P F	
MRR 48	~~Door~~ Wall	A B C D	L R C	W DW P M C B S CE	P F	Gray
49	~~Door casing~~ floor	A B C D	L R C	W DW P M C B S CE	P F	Gray
	Door jamb	A B C D	L R C	W DW P M C B S CE	P F	
	Ceiling	A B C D	L R C	W DW P M C B S CE	P F	
	Window casing	A B C D	L R C	W DW P M C B S CE	P F	
	Window sash	A B C D	L R C	W DW P M C B S CE	P F	
	Cabinets	A B C D	L R C	W DW P M C B S CE	P F	
		A B C D	L R C	W DW P M C B S CE	P F	
		A B C D	L R C	W DW P M C B S CE	P F	

Notes:

W = Wood DW = Drywall P = Plaster M = Metal C = Concrete B = Brick S = Stucco CE = Ceramic

SIDE IDENTIFICATION: Sides B, C & D are identified clockwise from Side A; where Side A corresponds to: North side / Address side / Entrance to unit

50 - 0.9
51 - 1.1
52 - 1.6

Calibration Check Test Results

Address/Unit No. Malibu Building E

Device LPA-1
Date 11/1/2016 XRF Serial No. 1184
Contractor Alta Environmental
Inspector Name Fabian Ruvalcaba Signature

NIST SRM Used 1.04 mg/cm2
Calibration Check Tolerance Used 0.3 mg/cm2

First Calibration Check

NIST SRM			First Average	Difference Between first Average and NIST SRM*
First Reading	Second reading	Third reading		
0.9	1.1	1	1.00	0.04

Second Calibration Check

NIST SRM			First Average	Difference Between first Average and NIST SRM*
First Reading	Second reading	Third reading		
0.9	1.1	1	1.00	0.04

Third Calibration Check (if required)

NIST SRM			First Average	Difference Between first Average and NIST SRM*
First Reading	Second reading	Third reading		
1.3	1.2	1.1	1.20	0.16

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.

State of California—Health and Human Services Agency

California Department of Public Health

LEAD HAZARD EVALUATION REPORT

Section 1 — Date of Lead Hazard Evaluation 11/1/16

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

☑ Lead Inspection ☐ Risk assessment ☐ Clearance Inspection ☐ Other (specify) Limited for construction purpose

Section 3 — Structure Where Lead Hazard Evaluation Was Conducted

Address [number, street, apartment (if applicable)]	City	County	Zip Code
30215 Morning View Drive, Building E and D	Malibu	Los Angeles	90265

Construction date (year) of structure	Type of structure		Children living in structure?	
	☐ Multi-unit building	☑ School or daycare	☐ Yes	☑ No
	☐ Single family dwelling	☐ Other	☐ Don't Know	

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

Name	Telephone number
Santa Monica Malibu USD	Office: (310) 450-8338 X79371

Address [number, street, apartment (if applicable)]	City	State	Zip Code
1651 Sixteenth Street	Santa Monica	California	90405

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

☐ No lead-based paint detected ☑ Intact lead-based paint detected ☐ Deteriorated lead-based paint detected

☐ No lead hazards detected ☐ Lead-contaminated dust found ☐ Lead-contaminated soil found ☐ Other

Section 6 — Individual Conducting Lead Hazard Evaluation

Name	Telephone number
Fabian Ruvalcaba	562-495-5777

Address [number, street, apartment (if applicable)]	City	State	Zip Code
3777 Long Beach Blvd., Annex Building	Long Beach	California	90807

CDPH certification number	Signature	Date
22130	FK	11/1/16

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

Section 7 — Attachments

A. A foundation diagram or sketch of the structure indicating the specifc 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 H

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 11/17/17

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: Inspector/Assessor

Expiration Date: 12/06/2016

23408.

Fabian Ruvalcaba

ID #: 22130

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

Cesar Ruvalcaba
Name

Certification No. **95-1799**

Expires on **10/27/17**

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	01/16/2018
Project Monitor	01/16/2018

Cesar A. Ruvalcaba

ID #: 6855