



# Testing YOUR Environment

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City of Rancho Palos Verdes  
Ladera Linda Park  
32201 Forrestal Drive  
Rancho Palos Verdes, California  
Asbestos & Lead XRF Survey  
Project# 2291821 AS



**ENVIRONMENTAL  
CONSULTING SERVICES**

H2Environmental.com

**800.524.3578**



January 28, 2022

**Mr. Robert Godfrey, CCM  
City of Rancho Palos Verdes  
30940 Hawthorne Boulevard  
Rancho Palos Verdes, California 90275**

**RE: H2 Environmental Proposal No. 2291821 AS**  
Asbestos & XRF Lead Survey  
**Ladera Linda Park**  
32201 Forrestal Drive  
Rancho Palos Verdes, California 90275

Dear Mr. Godfrey,

H2 Environmental received a request for a proposal on October 26, 2021 for an Asbestos & Lead XRF Survey at the Ladera Linda Park located at 32201 Forrestal Drive, Rancho Palos Verdes, California 90275. The investigation was requested by Mr. Robert Godfrey and performed on December 28, 29, and 30, 2021.

### **Asbestos**

The building materials that will be impacted during the Ladera Linda Park renovation were sampled for asbestos as part of this survey. Analytical results of the **Positive samples analyzed are summarized below:**

### **Building 1**

- **White Grey Transite Panels – 20% Chrysotile (6,791 SF)**

### **Building 2**

- **White/Grey Transite Wall Panels – 10% Chrysotile (6,791 SF)**
- **Black Floor Tile Mastic – 4% Chrysotile (3,790 SF)**
- **White Joint Compound - <1% Chrysotile (2,088 SF)**

Asbestos-Containing Construction Materials per the California Occupational Health and Safety Administration.

### **Building 3**

- **White Grey Transite Panels – 20% Chrysotile (37,900 SF)**
- **12x12 Blue/Light Blue Floor Tile – 3% Chrysotile (1,200 SF)**

### **Building 4**

- **White Gray Transite Panel – 20% Chrysotile (6,791 SF)**
- **Brown White 12x12 Floor Tile – 4% Chrysotile (20 SF)**

### **Building 5**

- **White Grey Transite Wall Panels - 20% Chrysotile**

### **Lead**

The building materials that will be impacted during the Ladera Linda Park renovation were sampled for lead as part of this survey. Results of the **Positive Lead materials** are summarized below:

### **Building 1**

- **Classroom A (Sink- Ceramic) – Positive (1 Each)**
- **Classroom A (Sink- Ceramic) – Positive (2 Each)**
- **Classroom A (Toilets- Ceramic) – Positive (2 Each)**
- **Women's Restroom (Sink-Ceramic) - Positive (4 Each)**
- **Women's Restroom (Toilets-Ceramic) - Positive (5 Each)**
- **Janitor's Closet (Sink-Ceramic) - Positive (1 Each)**
- **Men's Restroom (Sinks-Ceramic) – Positive (6 Each)**
- **Men's Restroom (Urinals-Ceramic) - Positive (5 Each)**
- **Men's Restroom (Toilets-Ceramic) - Positive (3 Each)**
- **Men's Restroom (Sinks-Ceramic) - Positive (6 Each)**

### **Building 2**

**No Positive Lead Materials were detected during the  
Ladera Linda Park Building 2 Lead XRF Survey**

### **Building 3**

- **Exterior (Drinking Fountain-Ceramic) – Positive (1 Each)**
- **Classroom 1 (Sink-Ceramic) – Positive (1 Each)**
- **Restroom 1 (Toilet- Ceramic) – Positive (3 Each)**
- **Restroom 1 (Sink-Ceramic) – Positive (3 Each)**
- **Classroom 2 (Sink-Ceramic) – Positive (1 Each)**

### **Building 4**

- **Exterior (Water Fountain-Ceramic) – Positive (1 Each)**

### **Building 5**

- **Class L (Sink-Ceramic) – Positive (1 Each)**
- **Class K (Sink-Ceramic) – Positive (1 Each)**
- **Class J (Sink-Ceramic) – Positive (1 Each)**





Since there is asbestos & lead containing materials the removal of any asbestos & lead containing materials will need to be performed by a California Licensed Asbestos & Lead Abatement Contractor, and should be handled, stored and disposed of according to all local, state and federal regulations.

H2 Environmental Consulting Services, Inc. (H2 Environmental) received a written authorization from Mr. Robert Godfrey, to proceed on December 26, 2021. The scope of work consisted of an asbestos & lead XRF survey, specifically related to the planned renovation. The asbestos & lead XRF survey was performed by Mr. W. Thomas Haley who is a California Certified Asbestos Consultant (CAC No. 95-1702) and a California Certified Inspector Assessor/ Project Monitor (CDPH No. 13061) and a Certified Indoor Environmental Consultant (CIEC No. 0703144), Mr. Stephen Hulan who is a Certified Site Surveillance Technician (CSST No. 02-3194), and Mr. Leonard Moreno who is a Certified Lead Sampling Technician (CDPH No. 22658).

Observations during the asbestos & lead XRF survey are summarized within this report, as are the results of the asbestos & lead XRF samples collected during the investigation. Enclosed is one (1) copy of the asbestos & lead survey report.

H2 Environmental appreciates the opportunity to provide environmental services for this important project. If after your review you have any questions or require additional assistance, please do not hesitate to call our office at (909) 628-0369.

Respectfully submitted,  
***H2 Environmental Consulting Services, Inc.***

A handwritten signature in blue ink, appearing to read 'W. Thomas Haley', is written over a light blue horizontal line.

W. Thomas Haley  
Vice President





**ENVIRONMENTAL**  
CONSULTING SERVICES, INC.

## **ASBESTOS & LEAD XRF SURVEY**

**Ladera Linda Park  
32201 Forrestal Drive  
Rancho Palos Verdes, California 90275**

**Prepared for**

**City of Rancho Palos Verdes  
1 Technology Drive Building 1, Suite 829  
Irvine, California 92618**

**Prepared by**

**H2 Environmental Consulting Services, Inc.  
13122 6<sup>th</sup> Street  
Chino, California 91710  
909-628-0369**

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## **GENERAL INFORMATION**

H2 Environmental Consulting Services facility was retained by City of Rancho Palos Verdes to conduct Asbestos and Lead Survey of Ladera Linda Park located at 32201 Forrestal Drive, Rancho Palos Verdes, California. The Asbestos and Lead Survey was conducted on December 28, 29, and 30, 2021.

Building 1 at Ladera Linda Park was unoccupied during the survey. The subject building is currently a Community Center located at 32201 Forrestal Drive, Rancho Palos Verdes, California. The building is a single-story structure of approximately 3,826 square feet of work area. The interior walls of the building consisted of Drywall, Plaster, and Transite Panels. The interior floors consisted of Carpet, 12x12 Floor Tile, and Concrete. The interior ceiling consists of 1x2 White Metal.

Building 2 at Ladera Linda Park was occupied at offices during the survey. The subject building is currently a Community Center located at 32201 Forrestal Drive, Rancho Palos Verdes, California. The building is a structure of approximately 3,826 square feet of work area. The exterior finish consists of Transite Panels. The interior walls of the building consisted of Drywall and Transite Panels. The interior floors consisted of 12x12 Floor Tile, Carpet over Concrete, and Wood. The interior ceiling consists of 2x4 Ceiling Tile.

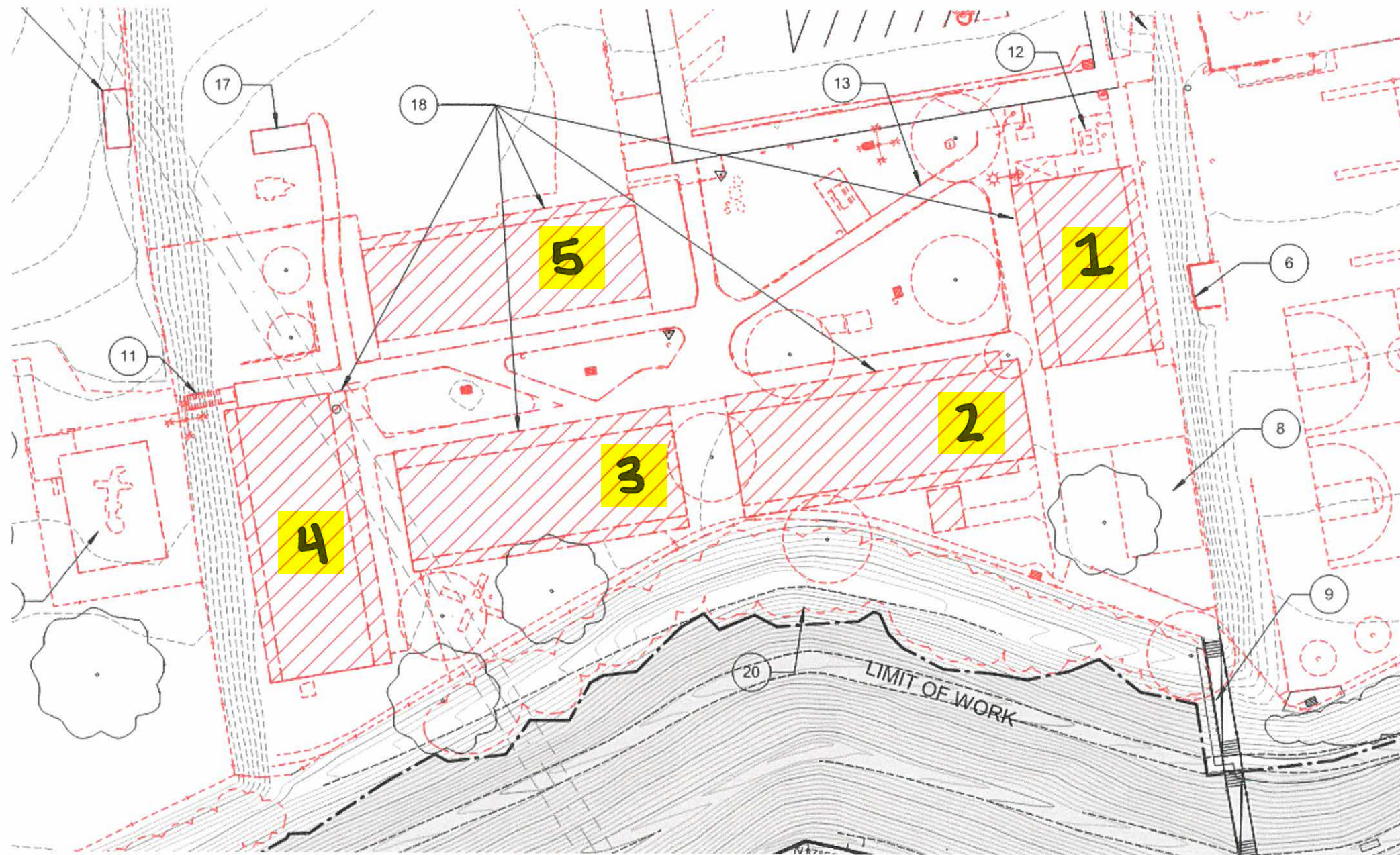
Building 3 at Ladera Linda Park was unoccupied during the survey. The subject building is currently a Community Center located at 32201 Forrestal Drive, Rancho Palos Verdes, California. The building is a single-story structure of approximately 3,826 square feet of work area. The exterior finish consists of Transite Panels. The interior walls of the building consisted of Drywall and Transite Panels. The interior floors consisted of 12x12 Floor Tile, and Carpet over Concrete. The interior ceiling consists of 1x4 Ceiling Tiles and Metal.

Building 4 at Ladera Linda Park was unoccupied during the survey. The subject building is currently a Community Center located at 32201 Forrestal Drive, Rancho Palos Verdes, California. The building is a single-story structure of approximately 3,826 square feet of work area. The exterior finish consists of Transite Panels. The interior walls of the building consisted of Transite Panels. The interior floors consisted of 12x12 Floor Tile, and Carpet over Concrete. The interior ceiling consists of Metal Panels.

Building 5 at Ladera Linda Park was unoccupied during the survey. The subject building is currently a Community Center located at 32201 Forrestal Drive, Rancho Palos Verdes, California. The building is a single-story structure of approximately 3,826 square feet of work area. The exterior finish consists of Transite Panels. The interior walls of the building consisted of Transite Panels. The interior floors consisted of 12x12 Floor Tile, and Carpet over Concrete. The interior ceiling consists of Metal Panels.



**HIGHLIGHTED BUILDING NUMBERS CORRESPOND TO ASBESTOS AND LEAD SURVEY**



## **GENERAL INFORMATION**

During the Asbestos Survey, a total of 168 samples were collected and submitted for laboratory analysis by Polarized Light Microscopy (PLM) utilizing the EPA 600/R-93/116 method to LA Testing Laboratories (NVLAP Pasadena #200232-0), a licensed California State Laboratory located at 520 Mission Street South Pasadena, CA 91030 (323)-254-9960, LA Testing Laboratories (NVLAP Huntington Beach #101384-0) a licensed California State Laboratory located at 5431 Industrial Drive Huntington Beach, CA 92649, (714)-828-4999, and ATEL, LLC (NVLAP# 201073-0), a licensed California State Laboratory located at 5817 Pine Avenue Suite B-2, Chino Hills, CA 91709, (909)-393-3330.

Suspect materials observed during the Asbestos Survey are summarized in the Survey Summary section of this report. After receiving the analytical results from the laboratory, it has been determined that the following materials tested positive for Asbestos:

### **Building 1**

- **White Grey Transite Panels – 20% Chrysotile (6,791 SF)**

### **Building 2**

- **White/Grey Transite Wall Panels – 10% Chrysotile (6,791 SF)**
- **Black Floor Tile Mastic – 4% Chrysotile (3,790 SF)**
- **White Joint Compound - <1% Chrysotile (2,088 SF)**

Asbestos-Containing Construction Materials per the California Occupational Health and Safety Administration.

### **Building 3**

- **White Grey Transite Panels – 20% Chrysotile (37,900 SF)**
- **12x12 Blue/Light Blue Floor Tile – 3% Chrysotile (1,200 SF)**

### **Building 4**

- **White Gray Transite Panel – 20% Chrysotile (6,791 SF)**
- **Brown White 12x12 Floor Tile – 4% Chrysotile (20 SF)**

### **Building 5**

- **White Grey Transite Wall Panels - 20% Chrysotile (6,791 SF)**

## **SECTION 1 INTRODUCTION**

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### **GENERAL INFORMATION**

During the Lead XRF Survey a total of 91 lead XRF samples were collected. Suspect materials observed during the Lead XRF Survey are summarized in the Lead XRF Survey Summary Section of this report. According to the HUD guidelines paint containing lead greater than  $>1.0$ , ( $\text{mg}/\text{cm}^2$ ) using XRF methods is considered lead bearing material. The materials and the Lead content are outlined on the Section 1 Survey Summary – Lead XRF Survey Results.

This report has been prepared for the exclusive use of City of Rancho Palos Verdes.

### **AUTHORIZATION**

Authorization to perform the survey was given by Mr. Robert Godfrey, in the form of a written authorization to proceed, dated October 26, 2021.



## SECTION 2 SURVEY SUMMARY

### SURVEY RESULTS

**City of Rancho Palos Verdes  
Ladera Linda Park- 2291821 AS  
32201 Forrestal Drive  
Rancho Palos Verdes, California 90275**

The following homogeneous building material types were sampled for Asbestos as part of this survey and their results are summarized in the table below:

**Table 1.0 (Building 1)**

MTL #	MATERIAL DESCRIPTION	SAMPLE LOCATION	F/NF <sup>1</sup>	COND. <sup>2</sup>	% ACM	# SAMP.	EST. QUANTITY
01	White Grey Transite Wall Panels	Exterior South End Exterior West End Exterior East End	NF	Good	20% Chrysotile	3	6,791 SF
02	White Grey Caulking on Windows	Exterior South End Exterior West End Exterior East End	F	Good	ND	3	200 SF
03	White Drywall	Men's Restroom North East End; Men's Restroom South East End; Class A Restroom Center	NF	Good	ND	3	2,100 SF
04	White Joint Compound	Men's Restroom North East End; Men's Restroom South East End; Class A Restroom Center	F	Good	ND	3	2,100 SF
05	White Skim Coat on Plaster	Men's Restroom North West End; Janitor's Closet West End; Class A North West End	F	Good	ND	3	4,521 SF
06	Grey White Plaster	Men's Restroom North West End; Janitor's Closet West End; Class A North West End	F	Good	ND	3	4,521 SF
07	4" Brown Covebase	Women's Restroom South West End; Men's Restroom West End; Men's Restroom North East End	NF	Good	ND	3	100 SF
08	White Yellow Glue	Class A South East End Class A West End Class A North End	NF	Good	ND	3	100 SF
09	4" Black Cove Base	Class A South East End Class A West End Class A North End	NF	Good	ND	3	50 SF

ND= None Detected

<sup>1</sup>F = Friable; NF = Non-friable Friability is further defined in Appendix 3.

<sup>2</sup>Cond. = Condition of Materials Either good, fair or poor.

**Note:** <1% = Calif. Code of Regulations, Title 8, Section 1529, "Asbestos-containing construction material" means any manufactured construction material which contains more than one tenth of 1 percent asbestos by weight." This material will be abated as asbestos containing material, however, it may be disposed of as construction debris.

## SECTION 2 SURVEY SUMMARY

### SURVEY RESULTS

**City of Rancho Palos Verdes  
Ladera Linda Park- 2291821 AS  
32201 Forrester Drive  
Rancho Palos Verdes, California 90275**

The following homogeneous building material types were sampled for Asbestos as part of this survey and their results are summarized in the table below:

**Table 1.0 (Cont'd) (Building 1)**

MTL #	MATERIAL DESCRIPTION	SAMPLE LOCATION	F/NF <sup>1</sup>	COND. <sup>2</sup>	% ACM	# SAMP.	EST. QUANTITY
10	Brown Mastic	Class A South East End Class A West End Class A North End	NF	Good	ND	3	50 SF
11	Yellow Glue Under Brown Carpet	Class A East End Class A South End Class A South West End	NF	Good	ND	3	200 SF
12	12x12 Off White/Brown Floor Tile	Class A South West End Class A North East End Class A North End	NF	Good	ND	3	1,100 SF
13	Black Yellow Glue	Class A South West End Class A North East End Class A North End	NF	Good	ND	3	1,100 SF
14	12x12 Off White Multi-Color Floor Tile	Women's Restroom West End; Men's Restroom North West End; Men's Restroom North East End	NF	Good	ND	3	2,100 SF
15	Grey Yellow Glue	Women's Restroom West End; Men's Restroom North West End; Men's Restroom North East End	NF	Good	ND	3	2,100 SF
16	Brown Ceiling Insulation	Class A South End; Janitor's Closet North West End; Men's Restroom North End	F	Good	ND	3	4,100 SF
17	Grey Rolled Roof 1 <sup>st</sup> Layer	Roof Center Roof South End Roof North End	NF	Good	ND	3	4,100 SF

ND= None Detected

<sup>1</sup>F = Friable; NF = Non-friable Friability is further defined in Appendix 3.

<sup>2</sup>Cond. = Condition of Materials Either good, fair or poor.

**Note:** <1% = Calif. Code of Regulations, Title 8, Section 1529, "Asbestos-containing construction material" means any manufactured construction material which contains more than one tenth of 1 percent asbestos by weight." This material will be abated as asbestos containing material, however, it may be disposed of as construction debris.

**SECTION 2**  
**SURVEY SUMMARY**

**SURVEY RESULTS**

**City of Rancho Palos Verdes**  
**Ladera Linda Park- 2291821 AS**  
**32201 Forrestal Drive**  
**Rancho Palos Verdes, California 90275**

The following homogeneous building material types were sampled for Asbestos as part of this survey and their results are summarized in the table below:

**Table 1.0 (Cont'd) (Building 1)**

MTL #	MATERIAL DESCRIPTION	SAMPLE LOCATION	F/NF <sup>1</sup>	COND. <sup>2</sup>	% ACM	# SAMP.	EST. QUANTITY
18	Black Roof Felt 2 <sup>nd</sup> Layer	Roof Center Roof South End Roof North End	NF	Good	ND	3	4,100 SF
19	Brown Roof Insulation Last Layer	Roof Center Roof South End Roof North End	NF	Good	ND	3	4,100 SF
20	White Caulking on Roof	Roof East End Roof North East End Roof South West End	NF	Good	ND	3	100 SF
21	Black Roof Mastic	Roof East End Roof North East End Roof South West End	NF	Good	ND	3	100 SF

ND= None Detected

<sup>1</sup>F = Friable; NF = Non-friable Friability is further defined in Appendix 3.

<sup>2</sup>Cond. = Condition of Materials Either good, fair or poor.

**Note:** <1% = Calif. Code of Regulations, Title 8, Section 1529, "Asbestos-containing construction material" means any manufactured construction material which contains more than one tenth of 1 percent asbestos by weight." This material will be abated as asbestos containing material, however, it may be disposed of as construction debris.



## SECTION 2 SURVEY SUMMARY

### SURVEY RESULTS

**City of Rancho Palos Verdes  
Ladera Linda Park- 2291821 AS  
32201 Forrestal Drive  
Rancho Palos Verdes, California 90275**

The following homogeneous building material types were sampled for Asbestos as part of this survey and their results are summarized in the table below:

**Table 1.0(Cont'd) (Building 2)**

MTL #	MATERIAL DESCRIPTION	SAMPLE LOCATION	F/NF <sup>1</sup>	COND. <sup>2</sup>	% ACM	# SAMP.	EST. QUANTITY
01	White/Grey Transite Wall Panels	Exterior South West End Exterior South East End Exterior North East End	NF	Good	10% Chrysotile	3	6,791 SF
02	White Drywall	MPR Room West End MPR Room South East End Breakroom East End	NF	Good	ND	3	2,088 SF
03	White Joint Compound	MPR Room West End MPR Room South East End Breakroom East End	F	Good	<1% Chrysotile	3	2,088 SF
04	4" Black Cove Base	MPR Room West End MPR Room South East End Breakroom East End	NF	Good	ND	3	1,210 SF
05	Brown Cove Base Mastic	MPR Room West End MPR Room South East End Breakroom East End	NF	Good	ND	3	1,210 SF
06	Tan/Green 12x12 Floor Tile	MPR Room West End MPR Room South End Front Office East End	NF	Good	ND	3	3,790 SF
07	Black Floor Tile Mastic	MPR Room West End MPR Room South End Front Office East End	NF	Good	4% Chrysotile	3	3,790 SF
08	Yellow Carpet Glue	Office 1 North East End Office 2 South East End Office 2 North West End	NF	Good	ND	3	600 SF

ND= None Detected

<sup>1</sup>F = Friable; NF = Non-friable Friability is further defined in Appendix 3.

<sup>2</sup>Cond. = Condition of Materials Either good, fair or poor.

**Note:** <1% = Calif. Code of Regulations, Title 8, Section 1529, "Asbestos-containing construction material" means any manufactured construction material which contains more than one tenth of 1 percent asbestos by weight." This material will be abated as asbestos containing material, however, it may be disposed of as construction debris.

## SECTION 2 SURVEY SUMMARY

### SURVEY RESULTS

**City of Rancho Palos Verdes  
Ladera Linda Park- 2291821 AS  
32201 Forrestal Drive  
Rancho Palos Verdes, California 90275**

The following homogeneous building material types were sampled for Asbestos as part of this survey and their results are summarized in the table below:

**Table 1.0(Cont'd) (Building 2)**

MTL #	MATERIAL DESCRIPTION	SAMPLE LOCATION	F/NF <sup>1</sup>	COND. <sup>2</sup>	% ACM	# SAMP.	EST. QUANTITY
09	2x4 White Ceiling Tile	Closet South West End MPR Room Center Closet South West End	F	Good	ND	3	3,790 SF
10	Yellow Insulation	Closet South West End MPR Room Center Closet South West End	F	Good	ND	3	3,790 SF
11	White/Grey Window Caulking	Exterior South West End Exterior North West End Exterior North East End	F	Good	ND	3	100 SF
12	Grey Rolled Roofing	Roof East End Roof Center Roof South West End	NF	Good	ND	3	3,790 SF
13	Black Roof Felt	Roof East End Roof Center Roof South West End	NF	Good	ND	3	3,790 SF
14	Brown Roof Insulation	Roof East End Roof Center Roof South West End	NF	Good	ND	3	3,790 SF
15	Black Roof Mastic	Roof North East End Roof South West End Roof North West End	NF	Good	ND	3	20 SF

ND= None Detected

<sup>1</sup>F = Friable; NF = Non-friable Friability is further defined in Appendix 3.

<sup>2</sup>Cond. = Condition of Materials Either good, fair or poor.

**Note:** <1% = Calif. Code of Regulations, Title 8, Section 1529, "Asbestos-containing construction material" means any manufactured construction material which contains more than one tenth of 1 percent asbestos by weight." This material will be abated as asbestos containing material, however, it may be disposed of as construction debris.

## SECTION 2 SURVEY SUMMARY

### SURVEY RESULTS

**City of Rancho Palos Verdes  
Ladera Linda Park- 2291821 AS  
32201 Forrestral Drive  
Rancho Palos Verdes, California 90275**

The following homogeneous building material types were sampled for Asbestos as part of this survey and their results are summarized in the table below:

**Table 1.0(Cont'd) (Building 3)**

MTL #	MATERIAL DESCRIPTION	SAMPLE LOCATION	F/NF <sup>1</sup>	COND. <sup>2</sup>	% ACM	# SAMP.	EST. QUANTITY
01	White Grey Transite Panels	Exterior North East End Exterior North End Exterior South West End	NF	Good	20% Chrysotile	3	37,900 SF
02	White Grey Caulking	Exterior North East End Exterior North End Exterior North West End	F	Good	ND	3	200 SF
03	White Drywall	Class 1 North West End Restroom 1 North East End Restroom 1 South East End	NF	Good	ND	3	1,000 SF
04	White Joint Compound	Class 1 North West End Restroom 1 North East End Restroom 1 South East End	F	Good	ND	3	1,000 SF
05	4" Black Covebase	Class 1 South East End Class 2 North East End Class 3 South West End	NF	Good	ND	3	1,500 SF
06	Yellow Brown Mastic	Class 1 South East End Class 2 North East End Class 3 South West End	NF	Good	ND	3	1,500 SF
07	12x12 Blue/Light Blue Floor Tile	Class 1 South West End Class 1 North West End Class 3 West End	NF	Good	3% Chrysotile	3	1,200 SF
08	Yellow Glue	Class 1 South West End Class 1 North West End Class 3 West End	NF	Good	ND	3	1,200 SF
09	12x12 Tan Brown Floor Tile	Restroom 1 North End Restroom 1 South West End Restroom 1 South East End	NF	Good	ND	3	300 SF
10	Yellow Glue	Restroom 1 North End Restroom 1 South West End Restroom 1 South East End	NF	Good	ND	3	300 SF

ND= None Detected

<sup>1</sup>F = Friable; NF = Non-friable Friability is further defined in Appendix 3.

<sup>2</sup>Cond. = Condition of Materials Either good, fair or poor.

**Note:** <1% = Calif. Code of Regulations, Title 8, Section 1529, "Asbestos-containing construction material" means any manufactured construction material which contains more than one tenth of 1 percent asbestos by weight." This material will be abated as asbestos containing material, however, it may be disposed of as construction debris.

**SECTION 2**  
**SURVEY SUMMARY**

**SURVEY RESULTS**

**City of Rancho Palos Verdes**  
**Ladera Linda Park- 2291821 AS**  
**32201 Forrestral Drive**  
**Rancho Palos Verdes, California 90275**

The following homogeneous building material types were sampled for Asbestos as part of this survey and their results are summarized in the table below:

**Table 1.0(Cont'd) (Building 3)**

MTL #	MATERIAL DESCRIPTION	SAMPLE LOCATION	F/NF <sup>1</sup>	COND. <sup>2</sup>	% ACM	# SAMP.	EST. QUANTITY
11	12x12 Off white Tan Floor Tile	Class 2 North East End Class 2 North West End Class 2 South East End	NF	Good	ND	3	40 SF
12	Yellow Glue	Class 2 North East End Class 2 North West End Class 2 South East End	NF	Good	ND	3	40 SF
13	Yellow Glue Under Tan Carpet	Class 2 South End Class 2 West End Class 2 East End	NF	Good	ND	3	300 SF
14	Yellow Glue Under Peach Carpet	Class 3 South West End Class 3 East End Class 3 North West End	NF	Good	ND	3	300 SF
15	Yellow Ceiling Insulation	Class 1 East End Class 2 Center Class 3 East End	F	Good	ND	3	1,200 SF
16	Grey Rolled Roof Top Layer	Roof South East End Roof Center Roof North West End	NF	Good	ND	3	3,790 SF
17	Black Roof Felt 2 <sup>nd</sup> Layer	Roof South East End Roof Center Roof North West End	NF	Good	ND	3	3,790 SF
18	Brown Insulation Last Layer	Roof South East End Roof Center Roof North West End	NF	Good	ND	3	3,790 SF
19	Black Roof Mastic	Roof North East End Roof West End Roof North West End	NF	Good	ND	3	100 SF
20	Grey White Roof Caulking	Roof North East End Roof West End Roof North West End	F	Good	ND	3	100 SF

ND= None Detected

<sup>1</sup>F = Friable; NF = Non-friable Friability is further defined in Appendix 3.

<sup>2</sup>Cond. = Condition of Materials Either good, fair or poor.

**Note:** <1% = Calif. Code of Regulations, Title 8, Section 1529, "Asbestos-containing construction material" means any manufactured construction material which contains more than one tenth of 1 percent asbestos by weight." This material will be abated as asbestos containing material, however, it may be disposed of as construction debris.

## SECTION 2 SURVEY SUMMARY

### SURVEY RESULTS

**City of Rancho Palos Verdes  
Ladera Linda Park- 2291821 AS  
32201 Forrestal Drive  
Rancho Palos Verdes, California 90275**

The following homogeneous building material types were sampled for Asbestos as part of this survey and their results are summarized in the table below:

**Table 1.0(Cont'd) (Building 4)**

MTL #	MATERIAL DESCRIPTION	SAMPLE LOCATION	F/NF <sup>1</sup>	COND. 2	% ACM	# SAMP.	EST. QUANTITY
1	White Gray Transite Panel	Class I South East End Class H North End Class G South End	NF	Good	20% Chrysotile	3	6,791 SF
2	Brown Cove Base	Class I North East End Class H South End Class G North End	NF	Good	ND	3	366 LF
3	Brown Cove Base Mastic	Class I North East End Class H North End Class G North End	NF	Good	ND	3	366 SF
4	Brown Glue Under Gray Carpet	Class H north East End Class H South East End South West End	NF	Good	ND	3	910 SF
5	Brown Glue Under Green Carpet	Class G North East End Class G South West End Class G North West End	NF	Good	ND	3	910 SF
6	Brown White 12x12 Floor Tile	Class I North West End Class I North East End Class I South East End	NF	Good	4% Chrysotile	3	20 SF
7	Yellow Floor Tile Mastic	Class I North West End Class I North East End Class I South East End	NF	Good	ND	3	930 SF
8	Gray Blue 12x12 Floor Tile	Class H South Est End Class H South East End Class G South East End	NF	Good	ND	3	930 SF
9	Yellow Floor Tile Mastic	Class H South Est End Class H South East End Class G South East End	NF	Good	ND	3	120 SF

ND= None Detected

<sup>1</sup>F = Friable; NF = Non-friable Friability is further defined in Appendix 3.

<sup>2</sup>Cond. = Condition of Materials Either good, fair or poor.

**Note:** <1% = Calif. Code of Regulations, Title 8, Section 1529, "Asbestos-containing construction material" means any manufactured construction material which contains more than one tenth of 1 percent asbestos by weight." This material will be abated as asbestos containing material, however, it may be disposed of as construction debris.

## SECTION 2 SURVEY SUMMARY

### SURVEY RESULTS

**City of Rancho Palos Verdes  
Ladera Linda Park- 2291821 AS  
32201 Forrestal Drive  
Rancho Palos Verdes, California 90275**

The following homogeneous building material types were sampled for Asbestos as part of this survey and their results are summarized in the table below:

**Table 1.0(Cont'd) (Building 4)**

MTL #	MATERIAL DESCRIPTION	SAMPLE LOCATION	F/NF <sup>1</sup>	COND. <sup>2</sup>	% ACM	# SAMP.	EST. QUANTITY
10	Yellow Insulation	Class F South End Class H North End Class G South End	F	Good	ND	3	120 SF
11	Gray Rolled Roofing	Roof South East End Roof North End Roof South West End	NF	Good	ND	3	3,826 SF
12	Black Roof Felt	Roof South East End Roof North End Roof South West End	NF	Good	ND	3	3,826 SF
13	Brown Roofing Insulation	Roof South East End Roof North End Roof South West End	F	Good	ND	3	3,826 SF
14	Black Gray Roof Mastic	Roof North East End Roof North End Roof North West End	NF	Good	ND	3	10 SF
15	White Gray Roof Caulking	Roof South East End Roof South End Roof South West End	F	Good	ND	3	5 SF

ND= None Detected

<sup>1</sup>F = Friable; NF = Non-friable Friability is further defined in Appendix 3.

<sup>2</sup>Cond. = Condition of Materials Either good, fair or poor.

**Note:** <1% = Calif. Code of Regulations, Title 8, Section 1529, "Asbestos-containing construction material" means any manufactured construction material which contains more than one tenth of 1 percent asbestos by weight." This material will be abated as asbestos containing material, however, it may be disposed of as construction debris.



## SECTION 2 SURVEY SUMMARY

### SURVEY RESULTS

**City of Rancho Palos Verdes  
Ladera Linda Park- 2291821 AS  
32201 Forrestal Drive  
Rancho Palos Verdes, California 90275**

The following homogeneous building material types were sampled for Asbestos as part of this survey and their results are summarized in the table below:

**Table 1.0(Cont'd) (Building 5)**

MTL #	MATERIAL DESCRIPTION	SAMPLE LOCATION	F/NF <sup>1</sup>	COND. <sup>2</sup>	% ACM	# SAMP.	EST. QUANTITY
1	White Grey Transite Wall Panels	Exterior East End Class K Interior North Area Class J Interior South Area	NF	Good	20% Chrysotile	3	6,791 SF
2	Grey Window Caulking	Exterior South West Area Class L; Exterior Class K South West Area; Exterior Class J South West Area	F	Good	ND	3	200 SF
3	Brown Cove Base	Class K South West Area Class K North Area Class J South East Area	NF	Good	ND	3	366 LF
4	Brown Mastic	Class K South West Area Class K North Area Class J South East Area	NF	Good	ND	3	366 SF
5	Behind Brown Cove	Class L South West Area Class L South East Area Class L North West Area	NF	Good	ND	3	1,210 SF
6	White Tan Cove Base	Class L South West Area Class L South East Area Class L North West Area	NF	Good	ND	3	366 SF
7	Carpet Pad Glue	Class L South West Area Class L South East Area Class L North West Area	NF	Good	ND	3	910 SF
8	Dark Yellow Carpet Pad Mastic	Class K South West Area Class K North Area Class J South East Area	NF	Good	ND	3	300 SF
9	White Grey 12x12 Floor Tile	Class K South West Area Class K North Area Class J South East Area	NF	Good	ND	3	5 SF

ND= None Detected

<sup>1</sup>F = Friable; NF = Non-friable Friability is further defined in Appendix 3.

<sup>2</sup>Cond. = Condition of Materials Either good, fair or poor.

**Note:** <1% = Calif. Code of Regulations, Title 8, Section 1529, "Asbestos-containing construction material" means any manufactured construction material which contains more than one tenth of 1 percent asbestos by weight." This material will be abated as asbestos containing material, however, it may be disposed of as construction debris.

## SECTION 2 SURVEY SUMMARY

### SURVEY RESULTS

**City of Rancho Palos Verdes  
Ladera Linda Park- 2291821 AS  
32201 Forrestal Drive  
Rancho Palos Verdes, California 90275**

The following homogeneous building material types were sampled for Asbestos as part of this survey and their results are summarized in the table below:

**Table 1.0(Cont'd) (Building 5)**

MTL #	MATERIAL DESCRIPTION	SAMPLE LOCATION	F/NF <sup>1</sup>	COND. <sup>2</sup>	% ACM	# SAMP.	EST. QUANTITY
10	Tile Glue Under White Grey Tile	Class K South West Area Class K North Area Class J South East Area	NF	Good	ND	3	5 SF
11	Yellow Ceiling Insulation	Class L South West Area Class K South West Area Class J South West Area	F	Good	ND	3	120 SF
12	Grey Rolled Roof	Roof South West Area Roof North Area Roof South East Area	NF	Good	ND	3	3,826 SF
13	Black Roof Felt	Roof South West Area Roof North Area Roof South East Area	NF	Good	ND	3	3,826 SF
14	Brown Roof Insulation	Roof South West Area Roof North Area Roof South East Area	F	Good	ND	3	3,826 SF
15	White Caulking	Roof South East Area Roof North East Area Roof North West Area	F	Good	ND	3	100 SF
16	Black Mastic	Roof South East Area Roof North East Area Roof North West Area	NF	Good	ND	3	3,790 SF

ND= None Detected

<sup>1</sup>F = Friable; NF = Non-friable Friability is further defined in Appendix 3.

<sup>2</sup>Cond. = Condition of Materials Either good, fair or poor.

**Note:** <1% = Calif. Code of Regulations, Title 8, Section 1529, "Asbestos-containing construction material" means any manufactured construction material which contains more than one tenth of 1 percent asbestos by weight." This material will be abated as asbestos containing material, however, it may be disposed of as construction debris.

## SECTION 2 SURVEY SUMMARY

### LEAD XRF SURVEY RESULTS

**City of Rancho Palos Verdes  
Ladera Linda Park - 2291821 AS  
32201 Forrestal Drive  
Rancho Palos Verdes, California 90275**

The list materials and their components where Lead Based Paint (LBP) was detected at or in excess of the HUD/EPA standards of 1.0 mg/cm<sup>2</sup> (Los Angeles County has established a more stringent standard for lead-based paint at 0.7mg/cm<sup>2</sup>) by XRF method which is listed in the table below. All XRF readings below the regulatory defined action level are considered negative and all readings at and above these levels are considered positive.

**Table 2.0 (Building 1)**

Shot #	Unit	Room Tested	Wall	Color	Component	Substrate	Quantity	Paint Condition	Result	Neg/Pos
1	Building 1	Exterior	West	Blue	Rain Gutter	Metal	100 SF	Intact	0.0	Negative
2	Building 1	Exterior	West	Blue	Fascia	Metal	400 SF	Intact	0.0	Negative
3	Building 1	Exterior	West	White	Soffit	Metal	200 SF	Intact	0.1	Negative
4	Building 1	Exterior	West	Tan	Window	Metal	10 Each	Intact	0.0	Negative
5	Building 1	Exterior	West	Silver	Window Frame	Metal	10 Each	Intact	0.0	Negative
6	Building 1	Exterior	West	Tan	Wall Panel	Transite	6,790 SF	Intact	0.0	Negative
7	Building 1	Exterior	West	Yellow	Floor Line	Concrete	10 SF	Intact	0.0	Negative
8	Building 1	Exterior	West	Blue	Door	Metal	8 Each	Intact	0.0	Negative
9	Building 1	Exterior	West	Silver	Door Frame	Metal	8 Each	Intact	0.0	Negative
10	Building 1	Class A	West	White	Sink	Ceramic	1 Each	Intact	5.8	Positive
11	Building 1	Class A	West	White	Sink	Ceramic	2 Each	Intact	5.8	Positive
12	Building 1	Class A	North	White	Toilets	Ceramic	2 Each	Intact	4.2	Positive
13	Building 1	Class A	South	Tan	Wall	Plaster	4,521 SF	Intact	0.0	Negative
14	Building 1	Class A	East	Tan	Wall Panel	Transite	2,100 SF	Intact	0.0	Negative
15	Building 1	Class A	South	Tan	Wall Panel	Transite	2,100 SF	Intact	0.0	Negative
16	Building 1	Women's Restroom	West	Blue	Door	Metal	1 Each	Intact	0.1	Negative

## SECTION 2 SURVEY SUMMARY

### LEAD XRF SURVEY RESULTS City of Rancho Palos Verdes Ladera Linda Park - 2291821 AS 32201 Forrestal Drive Rancho Palos Verdes, California 90275

The list materials and their components where Lead Based Paint (LBP) was detected at or in excess of the HUD/EPA standards of 1.0 mg/cm<sup>2</sup> (Los Angeles County has established a more stringent standard for lead-based paint at 0.7mg/cm<sup>2</sup>) by XRF method which is listed in the table below. All XRF readings below the regulatory defined action level are considered negative and all readings at and above these levels are considered positive.

**Table 2.0 (Cont'd) (Building 1)**

Shot #	Unit	Room Tested	Wall	Color	Component	Substrate	Quantity	Paint Condition	Result	Neg/Pos
17	Building 1	Women's Restroom	West	Silver	Door Frame	Metal	1 Each	Intact	0.1	Negative
18	<b>Building 1</b>	<b>Women's Restroom</b>	<b>South</b>	<b>White</b>	<b>Sink</b>	<b>Ceramic</b>	<b>4 Each</b>	<b>Intact</b>	<b>5.5</b>	<b>Positive</b>
19	Building 1	Women's Restroom	East	Tan	Wall	Drywall	2,100 SF	Intact	0.0	Negative
20	<b>Building 1</b>	<b>Women's Restroom</b>	<b>North</b>	<b>White</b>	<b>Toilets</b>	<b>Ceramic</b>	<b>5 Each</b>	<b>Intact</b>	<b>8.2</b>	<b>Positive</b>
21	Building 1	Women's Restroom	North	Tan	Partition Wall	Metal	50 SF	Intact	0.2	Negative
22	Building 1	Women's Restroom	North	Tan	Wall	Plaster	4,521 SF	Disturbed	0.0	Negative
23	Building 1	Janitor's Closet	West	Blue	Door	Metal	1 Each	Intact	0.0	Negative
24	Building 1	Janitor's Closet	West	Silver	Door Frame	Metal	1 Each	Intact	0.0	Negative
25	<b>Building 1</b>	<b>Janitor's Closet</b>	<b>East</b>	<b>White</b>	<b>Sink</b>	<b>Ceramic</b>	<b>1 Each</b>	<b>Intact</b>	<b>4.1</b>	<b>Positive</b>
26	Building 1	Janitor's Closet	East	Green	Wall	Plaster	600 SF	Disturbed	0.0	Negative
27	<b>Building 1</b>	<b>Men's Restroom</b>	<b>North</b>	<b>White</b>	<b>Sink</b>	<b>Ceramic</b>	<b>6 Each</b>	<b>Intact</b>	<b>7.2</b>	<b>Positive</b>
28	Building 1	Men's Restroom	North	Tan	Partition Wall	Metal	100 SF	Intact	0.2	Negative
29	<b>Building 1</b>	<b>Men's Restroom</b>	<b>North</b>	<b>White</b>	<b>Urinals</b>	<b>Ceramic</b>	<b>5 Each</b>	<b>Intact</b>	<b>9.8</b>	<b>Positive</b>
30	Building 1	Men's Restroom	South	Tan	Partition Wall	Metal	100 SF	Intact	0.0	Negative
31	<b>Building 1</b>	<b>Men's Restroom</b>	<b>South</b>	<b>White</b>	<b>Toilets</b>	<b>Ceramic</b>	<b>3 Each</b>	<b>Intact</b>	<b>5.0</b>	<b>Positive</b>
32	<b>Building 1</b>	<b>Men's Restroom</b>	<b>South</b>	<b>White</b>	<b>Sinks</b>	<b>Ceramic</b>	<b>6 Each</b>	<b>Intact</b>	<b>6.2</b>	<b>Positive</b>

## SECTION 2 SURVEY SUMMARY

### LEAD XRF SURVEY RESULTS

**City of Rancho Palos Verdes  
Ladera Linda Park - 2291821 AS  
32201 Forrestal Drive  
Rancho Palos Verdes, California 90275**

The list materials and their components where Lead Based Paint (LBP) was detected at or in excess of the HUD/EPA standards of 1.0 mg/cm<sup>2</sup> (Los Angeles County has established a more stringent standard for lead-based paint at 0.7mg/cm<sup>2</sup>) by XRF method which is listed in the table below. All XRF readings below the regulatory defined action level are considered negative and all readings at and above these levels are considered positive.

**Table 2.0 (Cont'd) (Building 2)**

Shot #	Unit	Room Tested	Wall	Color	Component	Substrate	Quantity	Paint Condition	Result	Neg/Pos
1	Building 2	Exterior	East	White	Wall	Wood	500 SF	Intact	0.0	Negative
2	Building 2	Exterior	East	White	Door	Wood	2 Each	Intact	0.0	Negative
3	Building 2	Exterior	East	White	Door Frame	Wood	2 Each	Intact	0.0	Negative
4	Building 2	Exterior	North	Blue	Door	Metal	1 Each	Intact	0.1	Negative
5	Building 2	Exterior	North	Silver	Door Frame	Metal	1 Each	Intact	0.0	Negative
6	Building 2	Exterior	North	Yellow	Floor Line	Concrete	1 Each	Intact	0.1	Negative
7	Building 2	Exterior	North	Tan	Window	Metal	1 Each	Intact	0.0	Negative
8	Building 2	Exterior	North	Silver	Window Frame	Metal	1 Each	Intact	0.0	Negative
9	Building 2	Exterior	North	Yellow	Floor Line	Concrete	1 Each	Intact	0.1	Negative
10	Building 2	Exterior	North	Blue	Door	Metal	1 Each	Intact	0.0	Negative
11	Building 2	Exterior	North	Silver	Door Frame	Metal	1 Each	Intact	0.0	Negative
12	Building 2	Exterior	North	Yellow	Floor Line	Concrete	1 Each	Intact	0.3	Negative
13	Building 2	Exterior	North	Yellow	Floor Line	Concrete	1 Each	Intact	0.0	Negative
14	Building 2	Exterior	North	Tan	Wall Panel	Transite	6,971 SF	Intact	0.0	Negative
15	Building 2	Exterior	North	White	Soffit Panel	Metal	1,000 SF	Intact	0.0	Negative
16	Building 2	Exterior	North	Blue	Fuscia	Metal	1,000 SF	Intact	0.0	Negative

## SECTION 2 SURVEY SUMMARY

### LEAD XRF SURVEY RESULTS

**City of Rancho Palos Verdes  
Ladera Linda Park - 2291821 AS  
32201 Forrestal Drive  
Rancho Palos Verdes, California 90275**

The list materials and their components where Lead Based Paint (LBP) was detected at or in excess of the HUD/EPA standards of 1.0 mg/cm<sup>2</sup> (Los Angeles County has established a more stringent standard for lead-based paint at 0.7mg/cm<sup>2</sup>) by XRF method which is listed in the table below. All XRF readings below the regulatory defined action level are considered negative and all readings at and above these levels are considered positive.

**Table 2.0 (Cont'd) (Building 2)**

Shot #	Unit	Room Tested	Wall	Color	Component	Substrate	Quantity	Paint Condition	Result	Neg/Pos
17	Building 2	Exterior MPR Room	North	Tan	Flashing	Metal	1,000 SF	Intact	0.0	Negative
18	Building 2	Exterior MPR Room	East	White	Sink	Ceramic	1 Each	Intact	0.0	Negative
19	Building 2	Exterior MPR Room	East	White	Wall	Drywall	2,088 SF	Intact	0.0	Negative
20	Building 2	Exterior MPR Room	West	White	Wall Panel	Transite	37,900 SF	Intact	0.1	Negative
21	Building 2	Restroom 1	North	White	Door	Wood	1 Each	Intact	0.0	Negative
22	Building 2	Restroom 1	North	White	Door Frame	Wood	1 Each	Intact	0.1	Negative
23	Building 2	Restroom 1	East	White	Sink	Ceramic	1 Each	Intact	0.0	Negative
24	Building 2	Restroom 1	South	White	Wall Panel	Transite	6,791 SF	Intact	0.0	Negative
25	Building 2	Restroom 1	West	White	Toilet	Ceramic	1 Each	Intact	0.1	Negative
26	Building 2	Exterior	North	Blue	Wall	Wood	200 SF	Intact	0.0	Negative
27	Building 2	Exterior	North	Blue	Rain Gutter	Metal	300 SF	Intact	0.0	Negative



## SECTION 2 SURVEY SUMMARY

### LEAD XRF SURVEY RESULTS City of Rancho Palos Verdes Ladera Linda Park - 2291821 AS 32201 Forrestal Drive Rancho Palos Verdes, California 90275

The list materials and their components where Lead Based Paint (LBP) was detected at or in excess of the HUD/EPA standards of 1.0 mg/cm<sup>2</sup> (Los Angeles County has established a more stringent standard for lead-based paint at 0.7mg/cm<sup>2</sup>) by XRF method which is listed in the table below. All XRF readings below the regulatory defined action level are considered negative and all readings at and above these levels are considered positive.

**Table 2.0 (Cont'd) (Building 3)**

Shot #	Unit	Room Tested	Wall	Color	Component	Substrate	Quantity	Paint Condition	Result	Neg/Pos
1	Building 3	Exterior	North	Blue	Rain Gutter	Metal	200 SF	Intact	0.0	Negative
2	Building 3	Exterior	North	Blue	Fascia	Metal	200 SF	Intact	0.0	Negative
3	Building 3	Exterior	North	White	Ceiling Soft	Metal	200 SF	Intact	0.1	Negative
4	Building 3	Exterior	North	Blue	Door	Metal	1 Each	Intact	0.0	Negative
5	Building 3	Exterior	North	Silver	Door Frame	Metal	1 Each	Intact	0.1	Negative
6	Building 3	Exterior	North	Blue	Door	Metal	1 Each	Intact	0.0	Negative
7	Building 3	Exterior	North	Silver	Door Frame	Metal	1 Each	Intact	0.0	Negative
8	Building 3	Exterior	North	Yellow	Floor Line	Concrete	20 SF	Intact	0.3	Negative
<b>9</b>	<b>Building 3</b>	<b>Exterior</b>	<b>North</b>	<b>White</b>	<b>Drinking Fountain</b>	<b>Ceramic</b>	<b>1 Each</b>	<b>Intact</b>	<b>5.6</b>	<b>Positive</b>
10	Building 3	Exterior	North	Tan	Wall Panel	Transite	6,970 SF	Intact	0.0	Negative
11	Building 3	Exterior	North	Blue	Door	Metal	1 Each	Intact	0.0	Negative
12	Building 3	Exterior	North	Silver	Door Frame	Metal	1 Each	Intact	0.0	Negative
13	Building 3	Exterior	North	Yellow	Floor Line	Concrete	20 SF	Intact	0.0	Negative
14	Building 3	Exterior	North	White	Ceiling Soft	Metal	200 SF	Intact	0.0	Negative
15	Building 3	Exterior	North	Tan	Rain Gutter	Metal	200 SF	Intact	0.1	Negative
16	Building 3	Exterior	North	Tan	Wall Panel	Transite	6,970 SF	Intact	0.0	Negative

## SECTION 2 SURVEY SUMMARY

### LEAD XRF SURVEY RESULTS

City of Rancho Palos Verdes  
Ladera Linda Park - 2291821 AS  
32201 Forrestal Drive  
Rancho Palos Verdes, California 90275

The list materials and their components where Lead Based Paint (LBP) was detected at or in excess of the HUD/EPA standards of 1.0 mg/cm<sup>2</sup> (Los Angeles County has established a more stringent standard for lead-based paint at 0.7mg/cm<sup>2</sup>) by XRF method which is listed in the table below. All XRF readings below the regulatory defined action level are considered negative and all readings at and above these levels are considered positive.

**Table 2.0 (Cont'd) (Building 3)**

Shot #	Unit	Room Tested	Wall	Color	Component	Substrate	Quantity	Paint Condition	Result	Neg/Pos
17	Building 3	Class 1	East	Tan	Wall Panel	Transite	2,000 SF	Intact	0.0	Negative
18	Building 3	Class 1	North	Tan	Wall Panel	Transite	2,000 SF	Intact	0.0	Negative
19	<b>Building 3</b>	<b>Class 1</b>	<b>West</b>	<b>White</b>	<b>Sink</b>	<b>Ceramic</b>	<b>1 Each</b>	<b>Intact</b>	<b>3.5</b>	<b>Positive</b>
20	Building 3	Restroom 1	South	White	Door	Wood	1 Each	Intact	0.0	Negative
21	Building 3	Restroom 1	South	White	Door Frame	Wood	1 Each	Intact	0.0	Negative
22	<b>Building 3</b>	<b>Restroom 1</b>	<b>South</b>	<b>White</b>	<b>Toilet</b>	<b>Ceramic</b>	<b>1 Each</b>	<b>Intact</b>	<b>3.2</b>	<b>Positive</b>
23	<b>Building 3</b>	<b>Restroom 1</b>	<b>South</b>	<b>White</b>	<b>Toilet</b>	<b>Ceramic</b>	<b>1 Each</b>	<b>Intact</b>	<b>3.1</b>	<b>Positive</b>
24	<b>Building 3</b>	<b>Restroom 1</b>	<b>South</b>	<b>White</b>	<b>Toilet</b>	<b>Ceramic</b>	<b>1 Each</b>	<b>Intact</b>	<b>3.3</b>	<b>Positive</b>
25	<b>Building 3</b>	<b>Restroom 1</b>	<b>North</b>	<b>White</b>	<b>Sink</b>	<b>Ceramic</b>	<b>3 Each</b>	<b>Intact</b>	<b>5.6</b>	<b>Positive</b>
26	Building 3	Class 2	North	Tan	Wall Panel	Transite	2,000 SF	Intact	0.0	Negative
27	Building 3	Class 2	East	Tan	Wall Panel	Transite	2,000 SF	Intact	0.0	Negative
28	Building 3	Class 2	South	Tan	Wall Panel	Transite	2,000 SF	Intact	0.0	Negative
29	<b>Building 3</b>	<b>Class 2</b>	<b>West</b>	<b>White</b>	<b>Sink</b>	<b>Ceramic</b>	<b>1 Each</b>	<b>Intact</b>	<b>8.2</b>	<b>Positive</b>
30	Building 3	Class 2	North	Tan	Wall Panel	Transite	2,000 SF	Intact	0.0	Negative
31	Building 3	Class 2	South	Tan	Wall Panel	Transite	2,000 SF	Intact	0.0	Negative
32	<b>Building 3</b>	<b>Class 2</b>	<b>East</b>	<b>White</b>	<b>Sink</b>	<b>Ceramic</b>	<b>1 Each</b>	<b>Intact</b>	<b>5.7</b>	<b>Positive</b>

## SECTION 2 SURVEY SUMMARY

### LEAD XRF SURVEY RESULTS

**City of Rancho Palos Verdes**  
**Ladera Linda Park - 2291821 AS**  
**32201 Forrestal Drive**  
**Rancho Palos Verdes, California 90275**

The list materials and their components where Lead Based Paint (LBP) was detected at or in excess of the HUD/EPA standards of 1.0 mg/cm<sup>2</sup> (Los Angeles County has established a more stringent standard for lead-based paint at 0.7mg/cm<sup>2</sup> ) by XRF method which is listed in the table below. All XRF readings below the regulatory defined action level are considered negative and all readings at and above these levels are considered positive.

**Table 2.0 (Cont'd) (Building 4)**

Shot #	Unit	Room Tested	Wall	Color	Component	Substrate	Quantity	Paint Condition	Result	Neg/Pos
1	Building 4	Class I	South	White	Door	Transite Panel	2 Each	Intact	0.4	Negative
2	Building 4	Class I	South	White	Wall	Transite Panel	2 Each	Intact	0.4	Negative
3	Building 4	Class I	South	White	Ceiling	Metal	2 Each	Intact	0.1	Negative
4	Building 4	Class I	West	White	Sink	Ceramic	1 Each	Intact	0.1	Negative
5	Building 4	Class I	West	Light Blue	Counter Top	Wood	1 Each	Intact	0.2	Negative
6	Building 4	Class I	West	Bare	Cabinet	Wood	1 Each	Intact	0.2	Negative
7	Building 4	Class H	South	Tan	Door	Transite Panel	2 Each	Intact	0.1	Negative
8	Building 4	Class H	South	Tan	Wall	Transite Panel	2 Each	Intact	0.1	Negative
9	Building 4	Class H	South	White	Ceiling	Transite Panel	2 Each	Intact	0.2	Negative
10	Building 4	Class H	East	White	Sink	Ceramic	1 Each	Intact	0.1	Negative
11	Building 4	Class H	East	Light Blue	Counter Top	Wood	1 Each	Intact	0.1	Negative
12	Building 4	Class H	East	Bare	Cabinet	Wood	1 Each	Intact	0.1	Negative
13	Building 4	Class I	South	Tan	Door	Transite Panel	1 Each	Intact	0.1	Negative
14	Building 4	Class I	South	Tan	Wall	Transite Panel	1 Each	Intact	0.2	Negative
15	Building 4	Class I	South	White	Ceiling	Metal	1 Each	Intact	0.2	Negative
16	Building 4	Class I	West	Light Blue	Wall	Transite Panel	1 Each	Intact	0.1	Negative

## SECTION 2 SURVEY SUMMARY

### LEAD XRF SURVEY RESULTS

**City of Rancho Palos Verdes  
Ladera Linda Park - 2291821 AS  
32201 Forrestal Drive  
Rancho Palos Verdes, California 90275**

The list materials and their components where Lead Based Paint (LBP) was detected at or in excess of the HUD/EPA standards of 1.0 mg/cm<sup>2</sup> (Los Angeles County has established a more stringent standard for lead-based paint at 0.7mg/cm<sup>2</sup>) by XRF method which is listed in the table below. All XRF readings below the regulatory defined action level are considered negative and all readings at and above these levels are considered positive.

**Table 2.0 (Cont'd) (Building 4)**

Shot #	Unit	Room Tested	Wall	Color	Component	Substrate	Quantity	Paint Condition	Result	Neg/Pos
17	Building 4	Class I	East	White	Sink	Ceramic	1 Each	Intact	0.1	Negative
18	Building 4	Class I	East	Light Blue	Counter Top	Wood	1 Each	Intact	0.0	Negative
19	Building 4	Class I	East	Bare	Cabinet	Wood	1 Each	Intact	0.0	Negative
20	Building 4	Exterior	South	Tan	Wall	Transite Pipe	3,510 SF	Intact	0.0	Negative
21	Building 4	Exterior	South	Light Blue	Door	Transite Pipe	6 Each	Intact	0.2	Negative
22	Building 4	Exterior	South	Light Blue	Rain Gutter	Metal	1 Each	Intact	0.2	Negative
23	Building 4	Exterior	South	Tan	Rain Gutter	Metal	1 Each	Intact	0.1	Negative
<b>24</b>	<b>Building 4</b>	<b>Exterior</b>	<b>South</b>	<b>White</b>	<b>Water Fountain</b>	<b>Ceramic</b>	<b>1 Each</b>	<b>Intact</b>	<b>5.6</b>	<b>Positive</b>
25	Building 4	Exterior	South	Light Blue	Flashing	Metal	270 LF	Intact	0.4	Negative
26	Building 4	Exterior	South	White	Soffet	Metal	575 SF	Intact	0.2	Negative
27	Building 4	Exterior	West	White	Pipe	Metal	1 Each	Intact	0.2	Negative

## SECTION 2 SURVEY SUMMARY

### LEAD XRF SURVEY RESULTS

City of Rancho Palos Verdes

Ladera Linda Park - 2291821 AS

32201 Forrestal Drive

Rancho Palos Verdes, California 90275

The list materials and their components where Lead Based Paint (LBP) was detected at or in excess of the HUD/EPA standards of 1.0 mg/cm<sup>2</sup> (Los Angeles County has established a more stringent standard for lead-based paint at 0.7mg/cm<sup>2</sup>) by XRF method which is listed in the table below. All XRF readings below the regulatory defined action level are considered negative and all readings at and above these levels are considered positive.

**Table 2.0 (Cont'd) (Building 5)**

Shot #	Unit	Room Tested	Wall	Color	Component	Substrate	Quantity	Paint Condition	Result	Neg/Pos
1	Building 5	Class L	South	Blue	Rain Gutter	Metal	2 Each	Intact	0.0	Negative
2	Building 5	Class L	South	Blue	Fascia	Metal	2 Each	Intact	0.0	Negative
3	Building 5	Class L	South	White	Soffit	Metal	2 Each	Intact	0.0	Negative
4	Building 5	Class L	South	Blue	Door	Metal	1 Each	Intact	-0.1	Negative
5	Building 5	Class L	South	Silver	Door Frame	Metal	1 Each	Intact	0.1	Negative
6	Building 5	Class L	South	Silver	Window Frame	Metal	1 Each	Intact	0.2	Negative
7	Building 5	Class L	South	Silver	Window	Metal	2 Each	Intact	0.0	Negative
<b>8</b>	<b>Building 5</b>	<b>Class L</b>	<b>West</b>	<b>White</b>	<b>Sink</b>	<b>Ceramic</b>	<b>2 Each</b>	<b>Intact</b>	<b>42</b>	<b>Positive</b>
9	Building 5	Class L	West	Tan	Wall Panel	Transite	2 Each	Intact	0.0	Negative
10	Building 5	Class L	North	Tan	Wall Panel	Transite	1 Each	Intact	0.0	Negative
11	Building 5	Class L	East	Tan	Wall Panel	Transite	1 Each	Disturbed	0.0	Negative
12	Building 5	Class L	South	Tan	Wall Panel	Transite	1 Each	Intact	0.0	Negative
13	Building 5	Class L	South	White	Wall Panel	Transite	1 Each	Intact	0.0	Negative
14	Building 5	Class K	South	Blue	Door	Metal	1 Each	Intact	0.0	Negative
<b>15</b>	<b>Building 5</b>	<b>Class K</b>	<b>East</b>	<b>White</b>	<b>Sink</b>	<b>Ceramic</b>	<b>1 Each</b>	<b>Intact</b>	<b>36</b>	<b>Positive</b>
16	Building 5	Class K	West	White	Wall Panel	Transite	1 Each	Intact	0.0	Negative



## SECTION 2 SURVEY SUMMARY

### LEAD XRF SURVEY RESULTS

City of Rancho Palos Verdes  
Ladera Linda Park - 2291821 AS  
32201 Forrestal Drive  
Rancho Palos Verdes, California 90275

The list materials and their components where Lead Based Paint (LBP) was detected at or in excess of the HUD/EPA standards of 1.0 mg/cm<sup>2</sup> (Los Angeles County has established a more stringent standard for lead-based paint at 0.7mg/cm<sup>2</sup>) by XRF method which is listed in the table below. All XRF readings below the regulatory defined action level are considered negative and all readings at and above these levels are considered positive.

**Table 2.0 (Cont'd) (Building 5)**

Shot #	Unit	Room Tested	Wall	Color	Component	Substrate	Quantity	Paint Condition	Result	Neg/Pos
17	Building 5	Class K	North	White	Wall Panel	Transite	2 Each	Intact	0.0	Negative
18	Building 5	Class K	East	White	Wall Panel	Transite	2 Each	Intact	0.0	Negative
19	Building 5	Class K	South	White	Wall Panel	Transite	2 Each	Intact	0.0	Negative
20	Building 5	Class J	South	Blue	Rain Gutter	Metal	1 Each	Intact	0.0	Negative
21	Building 5	Class J	South	Blue	Fascia	Metal	1 Each	Intact	0.0	Negative
22	Building 5	Class J	South	White	Soffit	Metal	1 Each	Intact	0.0	Negative
23	Building 5	Class J	South	Blue	Door	Metal	2 Each	Intact	0.0	Negative
24	Building 5	Class J	South	Silver	Door Frame	Metal	2 Each	Intact	0.0	Negative
25	Building 5	Class J	South	Yellow	Outline	Concrete	2 Each	Intact	0.0	Negative
26	Building 5	Class J	South	Silver	Window	Metal	1 Each	Intact	0.0	Negative
<b>27</b>	<b>Building 5</b>	<b>Class J</b>	<b>East</b>	<b>White</b>	<b>Sink</b>	<b>Ceramic</b>	<b>1 Each</b>	<b>Intact</b>	<b>4.1</b>	<b>Positive</b>
28	Building 5	Class J	West	White	Wall Panel	Transite	1 Each	Intact	0.0	Negative
29	Building 5	Class J	North	White	Wall Panel	Transite	1 Each	Intact	0.0	Negative
30	Building 5	Class J	East	White	Wall Panel	Transite	1 Each	Intact	0.0	Negative
31	Building 5	Class J	South	White	Wall Panel	Transite	1 Each	Intact	0.0	Negative
32	Building 5	Class J	South	White	Wall Panel	Transite	1 Each	Intact	0.0	Negative

**SECTION 3**  
**CAD SAMPLE LOCATIONS**

---



09-25	4" BLACK COVE BASE	ND
10-28	BROWN MASTIC	ND
11-32	YELLOW GLUE UNDER BRN CARPET	ND
16-46	BROWN CEILING INSULATION	ND
02-06	WHITE GREY CAULKING	ND
11-31	YELLOW GLUE UNDER BRN CARPET	ND
12-35	12"X12" OFF WHITE BRN F.T.	ND
13-38	BLACK YELLOW GLUE	ND
05-15	WHITE SKIM COAT ON PLASTER	ND
06-18	GREY WHITE PLASTER	ND
12-36	12"X12" OFF WHITE BRN F.T.	ND
13-39	BLACK YELLOW GLUE	ND
03-09	WHITE DRYWALL	ND
04-12	WHITE JOINT COMPOUND	ND
01-03	WHITE GREY TRANSITE WALL	20%
03-08	WHITE DRYWALL	ND
04-11	WHITE JOINT COMPOUND	ND
14-42	12"X12" OFF WHITE MULTI CO F.T.	ND
15-45	GREY YELLOW GLUE	ND
16-48	BROWN CEILING INSULATION	ND
03-07	WHITE DRYWALL	ND
04-10	WHITE JOINT COMPOUND	ND
07-21	4" BROWN COVE BASE	ND
08-24	WHITE YELLOW GLUE	ND

**CLASS**

**W**

**M**

01-01	WHITE GREY TRANSITE WALL	20%
12-34	12"X12" OFF WHITE BRN F.T.	ND
13-37	BLACK YELLOW GLUE	ND
09-26	4" BLACK COVE BASE	ND
10-29	BROWN MASTIC	ND
02-04	WHITE GREY CAULKING	ND
11-33	YELLOW GLUE UNDER BRN CARPET	ND
02-05	WHITE GREY CAULKING	ND

09-27	4" BLACK COVE BASE	ND
10-30	BROWN MASTIC	ND
01-02	WHITE GREY TRANSITE WALL	20%
07-19	4" BROWN COVE BASE	ND
08-22	WHITE YELLOW GLUE	ND
14-40	12"X12" OFF WHITE MULTI CO F.T.	ND
15-43	GREY YELLOW GLUE	ND
16-47	BROWN CEILING INSULATION	ND
05-14	WHITE SKIM COAT ON PLASTER	ND
06-17	GREY WHITE PLASTER	ND
07-20	4" BROWN COVE BASE	ND
08-23	WHITE YELLOW GLUE	ND
14-41	12"X12" OFF WHITE MULTI CO F.T.	ND
15-44	GREY YELLOW GLUE	ND
05-13	WHITE SKIM COAT ON PLASTER	ND
06-16	GREY WHITE PLASTER	ND

SOUTH ST.

CARMENITA RD

LEGEND	
SAMPLE GROUP	SAMPLE NUMBER
02-006	ND
BLACK MASTIC	
RESULTS	
NA = NOT ANALYZED	
ND = NONE DETECTED	
POS = POSITIVE	
MATERIAL DESCRIPTION	

PARTIAL FLOOR PLAN  
NOT TO SCALE

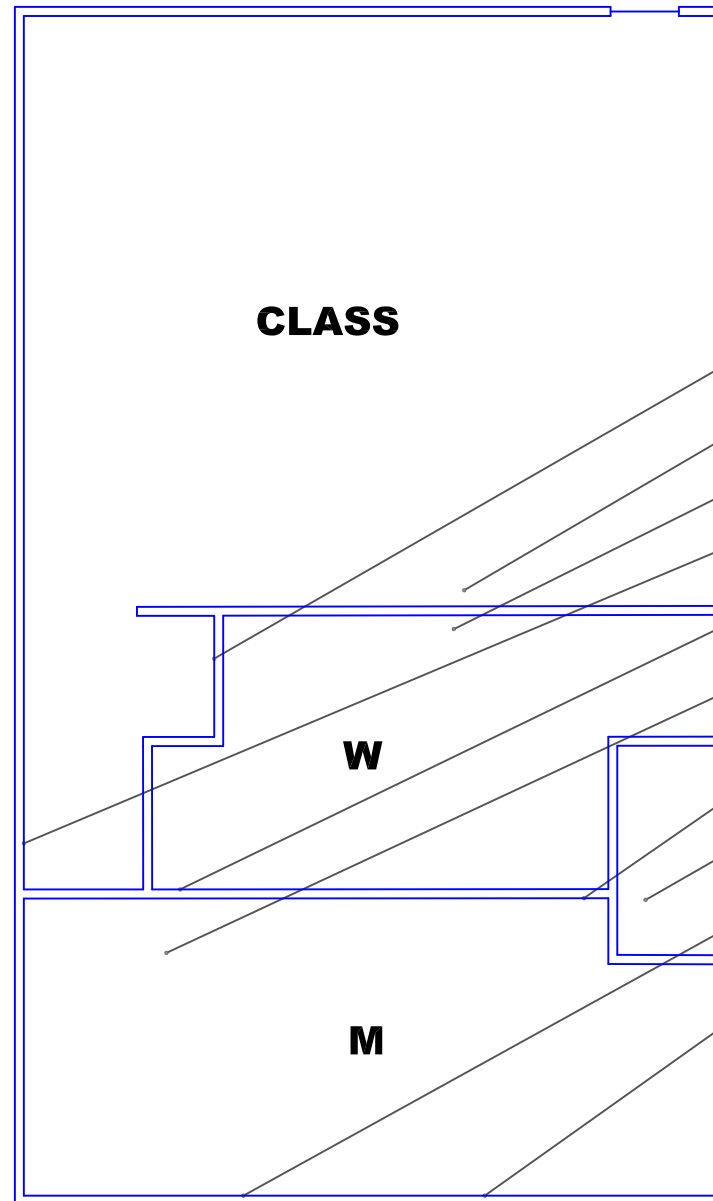
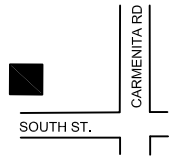
ABBREVIATIONS : DW = DRYWALL, JC = JOINT COMPOUND, FT = FLOOR TILE, M = FLOOR TILE MASTIC, CT = CEILING TILE, C.BASE = COVEBASE MATERIAL, C.BASE M = COVEBASE MASTIC



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CONSULTING SERVICES, INC.**  
13122 6TH ST., CHINO, CA 91710, TEL. 909.628.0369

DATE:	01/04/22	PROJ NO:	2291821AS
FIGURE:	1	DRAWN BY:	JC
SCALE:	NTS	CHECK BY:	WTH

CITY OF RANCHO PALOS VERDES, BUILDING #1  
ASBESTOS & LEAD XRF SURVEY, LADERA LINDA COMMUNITY CENTER  
32201 FORRESTAL DRIVE, RANCHO PALOS VERDES 90275



**CLASS**

**W**

**M**

XRF - 11	POS
SINK - CERAMIC	
XRF - 10	POS
SINK - CERAMIC	
XRF - 18	POS
SINK - CERAMIC	
XRF - 12	POS
TOILET - CERAMIC	
XRF - 20	POS
TOILET - CERAMIC	
XRF - 31	POS
TOILET - CERAMIC	
XRF - 32	POS
SINK - CERAMIC	
XRF - 25	POS
SINK - CERAMIC	
XRF - 29	POS
URINAL - CERAMIC	
XRF - 27	POS
SINK - CERAMIC	

**LEGEND**

SAMPLE GROUP	SAMPLE NUMBER	RESULTS
02-006	ND	
BLACK MASTIC		

NA = NOT ANALYZED  
ND = NONE DETECTED  
POS = POSITIVE

PARTIAL FLOOR PLAN  
NOT TO SCALE

ABBREVIATIONS : DW = DRYWALL, JC = JOINT COMPOUND, FT = FLOOR TILE, M = FLOOR TILE MASTIC, CT = CEILING TILE, C.BASE = COVEBASE MATERIAL, C.BASE M = COVEBASE MASTIC



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DATE: 01/04/22	PROJ NO: 2291821AS
FIGURE: 2	DRAWN BY: JC
SCALE: NTS	CHECK BY: WTH

CITY OF RANCHO PALOS VERDES, BUILDING #1  
ASBESTOS & LEAD XRF SURVEY, LADERA LINDA COMMUNITY CENTER  
32201 FORRESTAL DRIVE, RANCHO PALOS VERDES 90275



SOUTH ST.

CARMENITA RD

17-51	ND
GREY ROLLED ROOF 1ST LAYER	
18-54	ND
BLACK ROOF FELT 2ND LAYER	
19-57	ND
BROWN ROOF INSULATION	
20-60	ND
WHITE CAULKING ON ROOF	
21-63	ND
BLACK ROOF MASTIC	
17-50	ND
GREY ROLLED ROOF 1ST LAYER	
18-53	ND
BLACK ROOF FELT 2ND LAYER	
19-56	ND
BROWN ROOF INSULATION	

**ROOF**

20-59	ND
WHITE CAULKING ON ROOF	
21-62	ND
BLACK ROOF MASTIC	
20-58	ND
WHITE CAULKING ON ROOF	
21-61	ND
BLACK ROOF MASTIC	
00	ND
00	
17-49	ND
GREY ROLLED ROOF 1ST LAYER	
18-52	ND
BLACK ROOF FELT 2ND LAYER	
19-55	ND
BROWN ROOF INSULATION	

PARTIAL FLOOR PLAN  
NOT TO SCALE

LEGEND		
SAMPLE GROUP	SAMPLE NUMBER	RESULTS
02-006	ND	
BLACK MASTIC		
MATERIAL DESCRIPTION		
NA = NOT ANALYZED ND = NONE DETECTED POS = POSITIVE		

ABBREVIATIONS : DW = DRYWALL, JC = JOINT COMPOUND, FT = FLOOR TILE, M = FLOOR TILE MASTIC, CT = CEILING TILE, C.BASE = COVEBASE MATERIAL, C.BASE M = COVEBASE MASTIC



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DATE:	01/04/22	PROJ NO:	2291821AS
FIGURE:	3	DRAWN BY:	JC
SCALE:	NTS	CHECK BY:	WTH

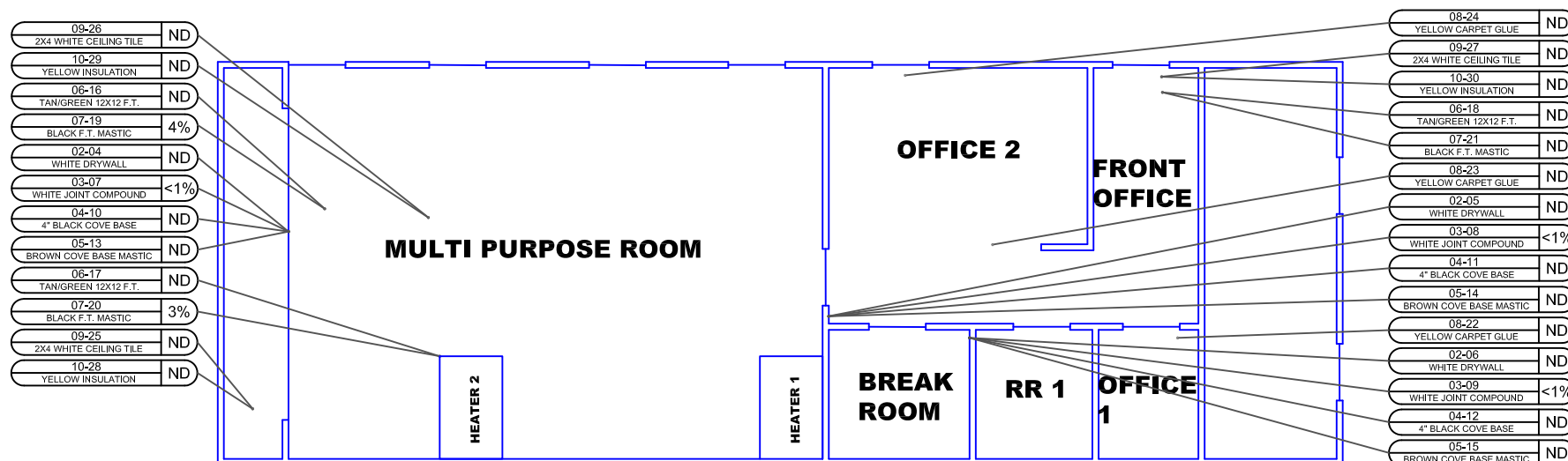
CITY OF RANCHO PALOS VERDES, BUILDING #1  
ASBESTOS & LEAD XRF SURVEY, LADERA LINDA COMMUNITY CENTER  
32201 FORRESTAL DRIVE, RANCHO PALOS VERDES 90275





SOUTH ST.

CARMENITA RD



PARTIAL FLOOR PLAN  
NOT TO SCALE

LEGEND		
SAMPLE GROUP	SAMPLE NUMBER	RESULTS
02-006 BLACK MASTIC	ND	NA = NOT ANALYZED ND = NONE DETECTED POS = POSITIVE
MATERIAL DESCRIPTION		

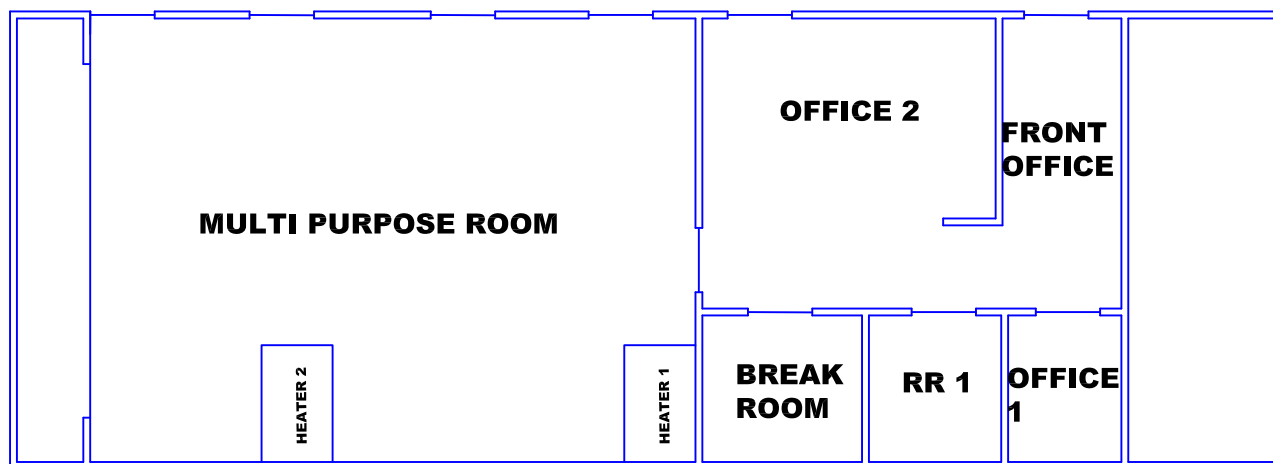
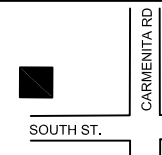
ABBREVIATIONS : DW = DRYWALL, JC = JOINT COMPOUND, FT = FLOOR TILE, M = FLOOR TILE MASTIC, CT = CEILING TILE, C.BASE = COVEBASE MATERIAL, C.BASE M = COVEBASE MASTIC



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DATE: 01/04/22	PROJ NO: 2291821AS
FIGURE: 4	DRAWN BY: JC
SCALE: NTS	CHECK BY: WTH

CITY OF RANCHO PALOS VERDES, BUILDING #2  
ASBESTOS & LEAD XRF SURVEY, LADERA LINDA COMMUNITY CENTER  
32201 FORRESTAL DRIVE, RANCHO PALOS VERDES 90275



**NO POS  
XRF**

PARTIAL FLOOR PLAN  
NOT TO SCALE

LEGEND		
SAMPLE GROUP	SAMPLE NUMBER	RESULTS
02-006 BLACK MASTIC	ND	NA = NOT ANALYZED ND = NONE DETECTED POS = POSITIVE
MATERIAL DESCRIPTION		

ABBREVIATIONS : DW = DRYWALL, JC = JOINT COMPOUND, FT = FLOOR TILE, M = FLOOR TILE MASTIC, CT = CEILING TILE, C.BASE = COVEBASE MATERIAL, C.BASE M = COVEBASE MASTIC



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DATE: <b>01/04/22</b>	PROJ NO: <b>2291821AS</b>
FIGURE: <b>5</b>	DRAWN BY: <b>JC</b>
SCALE: <b>NTS</b>	CHECK BY: <b>WTH</b>

CITY OF RANCHO PALOS VERDES, BUILDING #2  
ASBESTOS & LEAD XRF SURVEY, LADERA LINDA COMMUNITY CENTER  
32201 FORRESTAL DRIVE, RANCHO PALOS VERDES 90275



SOUTH ST.

CARMENITA RD

01-03	WHITE GREY TRANSITE WALL	10%
15-45	BLACK ROOF MASTIC	ND
12-35	GREY ROLLED ROOFING	ND
13-38	BLACK ROOF FELT	ND
14-41	BROWN ROOF INSULATION	ND
11-32	WHITE GREY WINDOW CAULKING	ND
12-36	GREY ROLLED ROOFING	ND
13-39	BLACK ROOF FELT	ND
14-42	BROWN ROOF INSULATION	ND

11-33	WHITE GREY WINDOW CAULKING	ND
15-43	BLACK ROOF MASTIC	ND
12-34	GREY ROLLED ROOFING	ND
13-37	BLACK ROOF FELT	ND
14-40	BROWN ROOF INSULATION	ND
01-02	WHITE GREY TRANSITE WALL	10%
15-44	BLACK ROOF MASTIC	ND
11-31	WHITE GREY WINDOW CAULKING	ND
01-01	WHITE GREY TRANSITE WALL	10%

PARTIAL FLOOR PLAN  
NOT TO SCALE

LEGEND		
SAMPLE GROUP	SAMPLE NUMBER	RESULTS
02-006	BLACK MASTIC	ND
MATERIAL DESCRIPTION		
NA = NOT ANALYZED ND = NONE DETECTED POS = POSITIVE		

ABBREVIATIONS : DW = DRYWALL, JC = JOINT COMPOUND, FT = FLOOR TILE, M = FLOOR TILE MASTIC, CT = CEILING TILE, C.BASE = COVEBASE MATERIAL, C.BASE M = COVEBASE MASTIC



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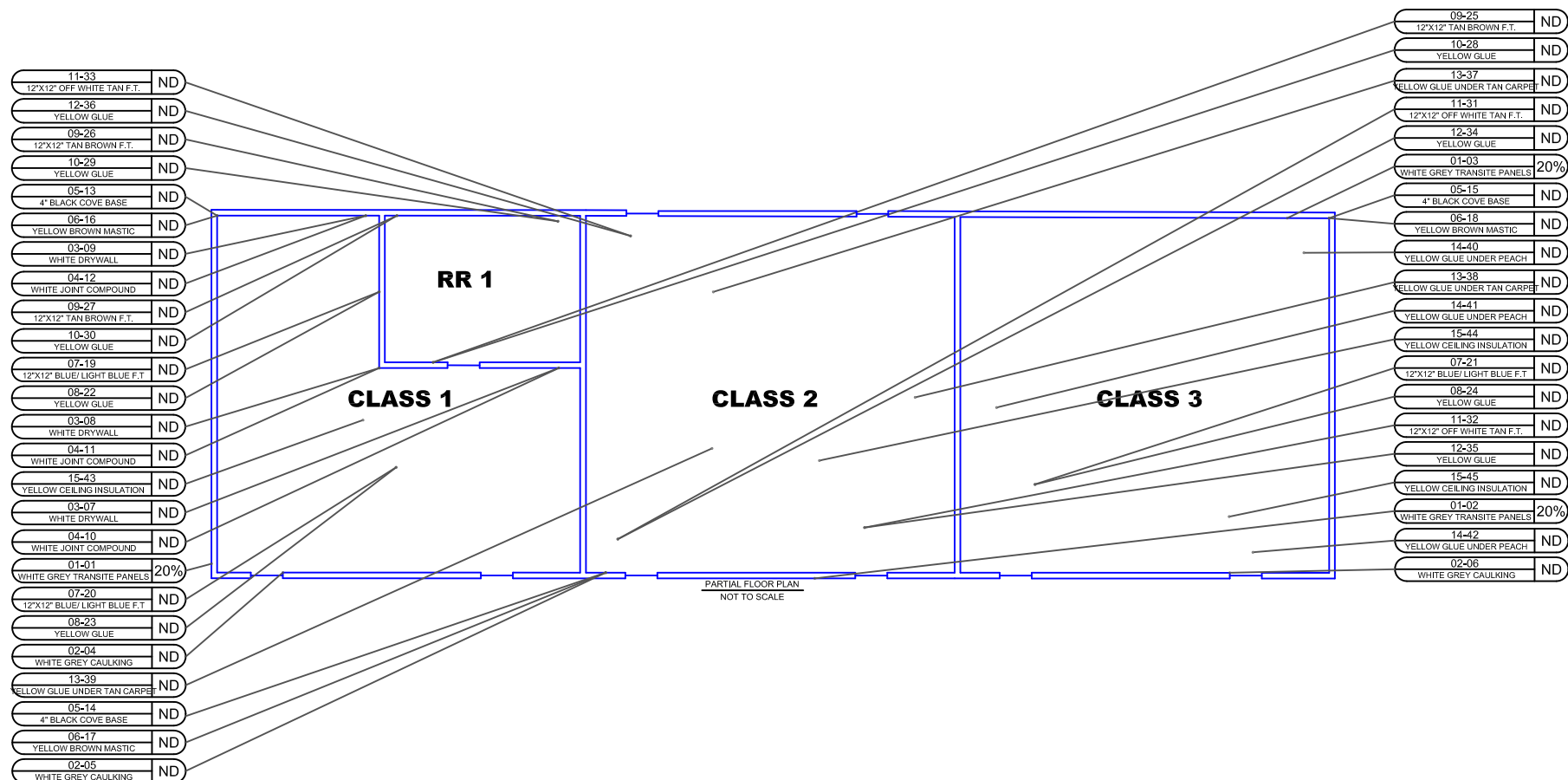
DATE:	01/04/22	PROJ NO:	2291821AS
FIGURE:	6	DRAWN BY:	JC
SCALE:	NTS	CHECK BY:	WTH

CITY OF RANCHO PALOS VERDES, BUILDING #2  
ASBESTOS & LEAD XRF SURVEY, LADERA LINDA COMMUNITY CENTER  
32201 FORRESTAL DRIVE, RANCHO PALOS VERDES 90275



SOUTH ST.

CARMENITA RD



ABBREVIATIONS : DW = DRYWALL, JC = JOINT COMPOUND, FT = FLOOR TILE, M = FLOOR TILE MASTIC, CT = CEILING TILE, C.BASE = COVEBASE MATERIAL, C.BASE M = COVEBASE MASTIC



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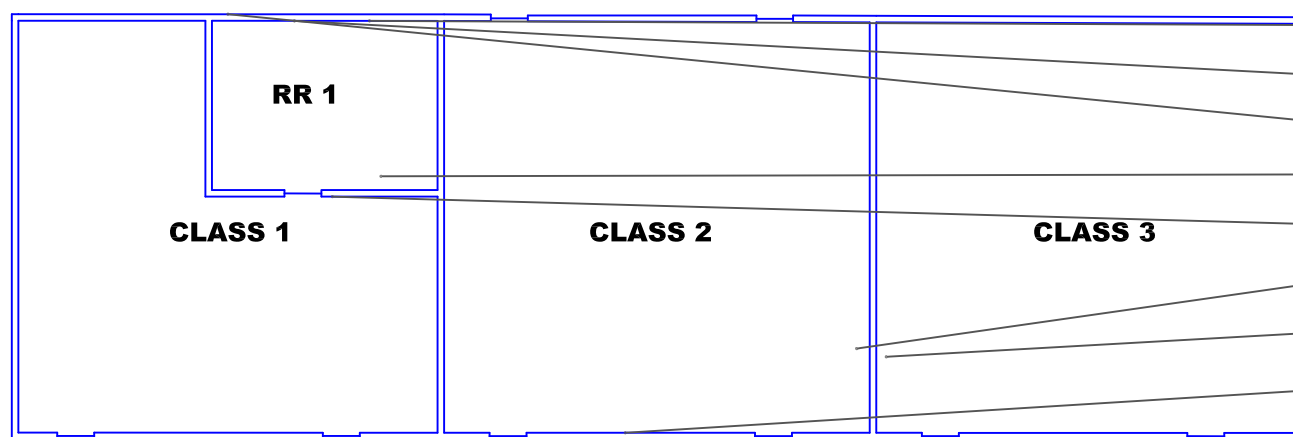
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FIGURE:	7	DRAWN BY:	JC
SCALE:	NTS	CHECK BY:	WTH

CITY OF RANCHO PALOS VERDES, BUILDING #3  
ASBESTOS & LEAD XRF SURVEY, LADERA LINDA COMMUNITY CENTER  
32201 FORRESTAL DRIVE, RANCHO PALOS VERDES 90275



SOUTH ST.

CARMENITA RD



PARTIAL FLOOR PLAN  
NOT TO SCALE

XRF - 24 TOILET - CERAMIC	POS
XRF - 23 TOILET - CERAMIC	POS
XRF - 22 TOILET - CERAMIC	POS
XRF - 25 SINK - CERAMIC	POS
XRF - 19 SINK - CERAMIC	POS
XRF - 29 SINK - CERAMIC	POS
XRF - 32 SINK - CERAMIC	POS
XRF - 9 DRINKING FOUNTAIN - CERAMIC	POS

LEGEND		
SAMPLE GROUP	SAMPLE NUMBER	RESULTS
02-006 BLACK MASTIC	ND	NA = NOT ANALYZED ND = NONE DETECTED POS = POSITIVE
MATERIAL DESCRIPTION		

ABBREVIATIONS : DW = DRYWALL, JC = JOINT COMPOUND, FT = FLOOR TILE, M = FLOOR TILE MASTIC, CT = CEILING TILE, C.BASE = COVEBASE MATERIAL, C.BASE M = COVEBASE MASTIC



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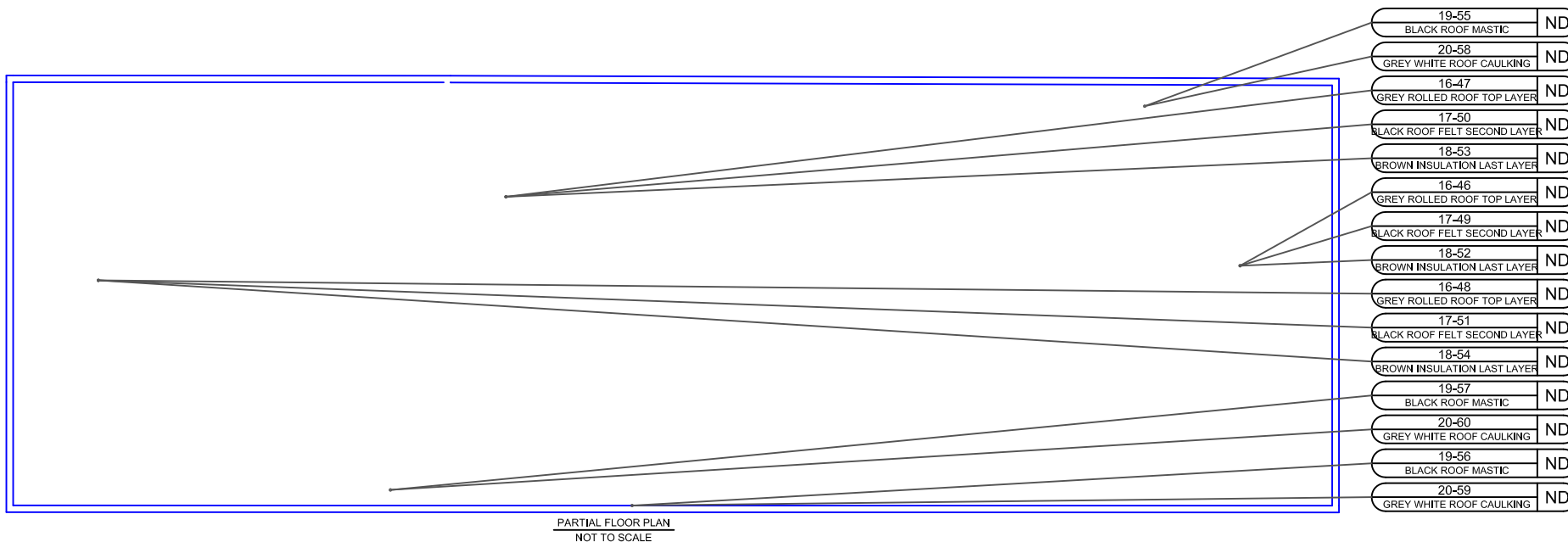
DATE: 01/04/22	PROJ NO: 2291821AS
FIGURE: 8	DRAWN BY: JC
SCALE: NTS	CHECK BY: WTH

CITY OF RANCHO PALOS VERDES, BUILDING #3  
ASBESTOS & LEAD XRF SURVEY, LADERA LINDA COMMUNITY CENTER  
32201 FORRESTAL DRIVE, RANCHO PALOS VERDES 90275



SOUTH ST.

CARMENITA RD



LEGEND		
SAMPLE GROUP	SAMPLE NUMBER	RESULTS
02-006 BLACK MASTIC	ND	
MATERIAL DESCRIPTION		
NA = NOT ANALYZED ND = NONE DETECTED POS = POSITIVE		

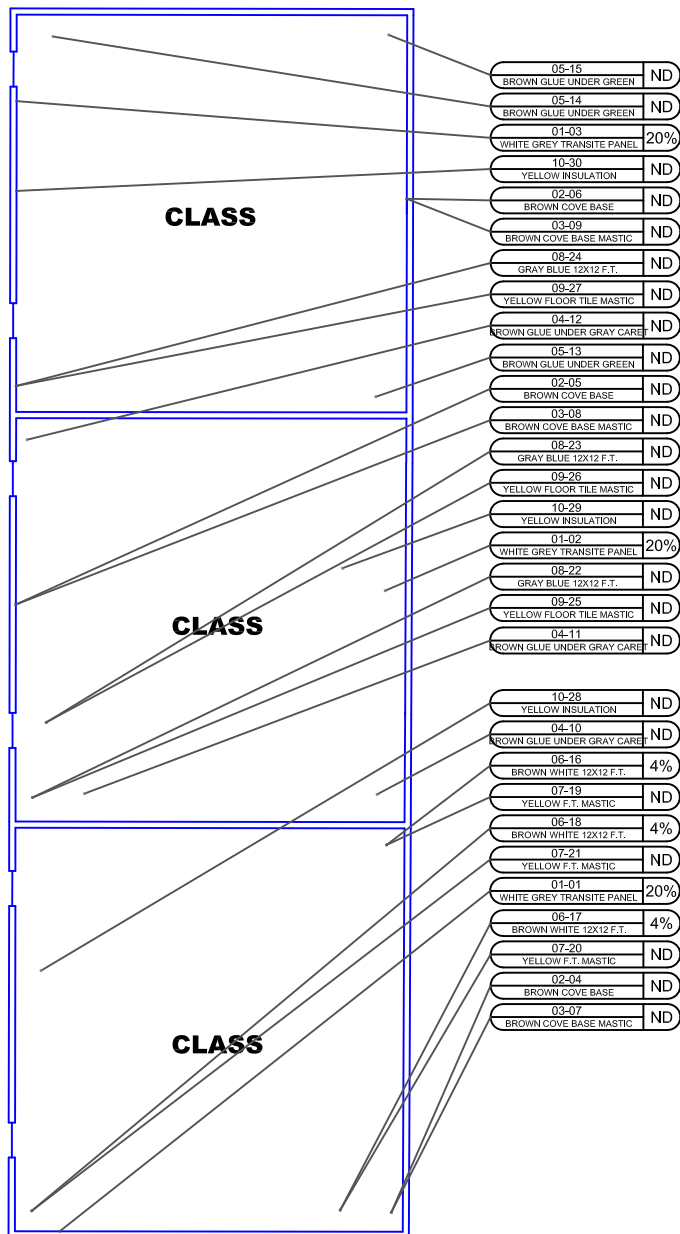
ABBREVIATIONS : DW = DRYWALL, JC = JOINT COMPOUND, FT = FLOOR TILE, M = FLOOR TILE MASTIC, CT = CEILING TILE, C.BASE = COVEBASE MATERIAL, C.BASE M = COVEBASE MASTIC



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DATE: 01/04/22	PROJ NO: 2291821AS
FIGURE: 9	DRAWN BY: JC
SCALE: NTS	CHECK BY: WTH

CITY OF RANCHO PALOS VERDES, BUILDING #3  
ASBESTOS & LEAD XRF SURVEY, LADERA LINDA COMMUNITY CENTER  
32201 FORRESTAL DRIVE, RANCHO PALOS VERDES 90275



SOUTH ST.

CARMENITA RD

**LEGEND**

SAMPLE GROUP      SAMPLE NUMBER      RESULTS

02-006      ND

BLACK MASTIC

MATERIAL DESCRIPTION

NA = NOT ANALYZED  
ND = NONE DETECTED  
POS = POSITIVE

PARTIAL FLOOR PLAN  
NOT TO SCALE

ABBREVIATIONS : DW = DRYWALL, JC = JOINT COMPOUND, FT = FLOOR TILE, M = FLOOR TILE MASTIC, CT = CEILING TILE, C.BASE = COVEBASE MATERIAL, C.BASE M = COVEBASE MASTIC



**H2 ENVIRONMENTAL  
CONSULTING SERVICES, INC.**

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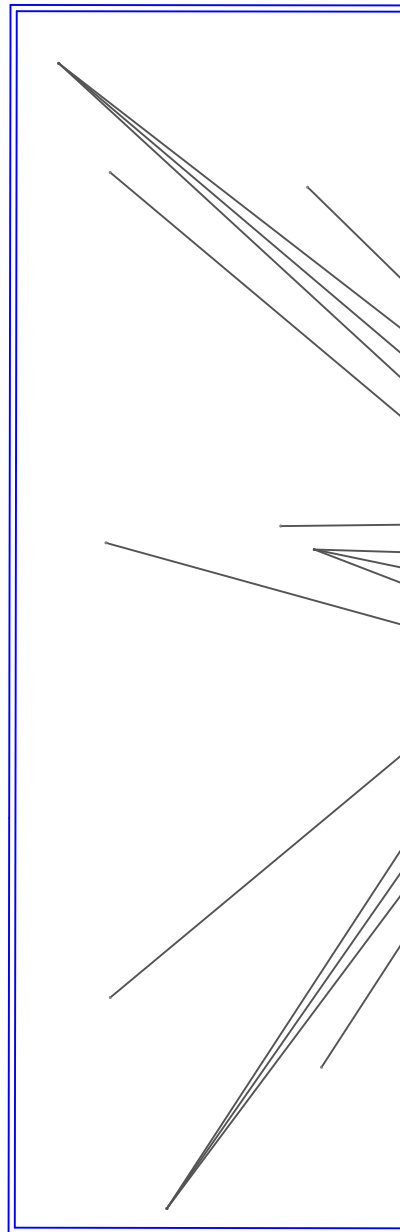
DATE: 01/04/22	PROJ NO: 2291821AS
FIGURE: 10	DRAWN BY: JC
SCALE: NTS	CHECK BY: WTH

CITY OF RANCHO PALOS VERDES, BUILDING #4  
ASBESTOS & LEAD XRF SURVEY, LADERA LINDA COMMUNITY CENTER  
32201 FORRESTAL DRIVE, RANCHO PALOS VERDES 90275



SOUTH ST.

CARMENITA RD



14-42	BLACK GREY ROOF MASTIC	ND
11-33	GRAY ROLLED ROOFING	ND
12-36	BLACK ROOF FELT	ND
13-39	BROWN ROOFING INSULATION	ND
15-45	WHITE GRAY ROOF CAULKING	ND
14-41	BLACK GREY ROOF MASTIC	ND
11-32	GRAY ROLLED ROOFING	ND
12-35	BLACK ROOF FELT	ND
13-38	BROWN ROOFING INSULATION	ND
15-44	WHITE GRAY ROOF CAULKING	ND
15-43	WHITE GRAY ROOF CAULKING	ND
11-31	GRAY ROLLED ROOFING	ND
12-34	BLACK ROOF FELT	ND
13-37	BROWN ROOFING INSULATION	ND
14-40	BLACK GREY ROOF MASTIC	ND

PARTIAL FLOOR PLAN  
NOT TO SCALE

LEGEND		
SAMPLE GROUP	SAMPLE NUMBER	RESULTS
02-006 BLACK MASTIC		ND
MATERIAL DESCRIPTION		
NA = NOT ANALYZED ND = NONE DETECTED POS = POSITIVE		

ABBREVIATIONS : DW = DRYWALL, JC = JOINT COMPOUND, FT = FLOOR TILE, M = FLOOR TILE MASTIC, CT = CEILING TILE, C.BASE = COVEBASE MATERIAL, C.BASE M = COVEBASE MASTIC



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13122 6TH ST., CHINO, CA 91710, TEL. 909.628.0369

DATE: 01/04/22	PROJ NO: 2291821AS
FIGURE: 11	DRAWN BY: JC
SCALE: NTS	CHECK BY: WTH

CITY OF RANCHO PALOS VERDES, BUILDING #4  
ASBESTOS & LEAD XRF SURVEY, LADERA LINDA COMMUNITY CENTER  
32201 FORRESTAL DRIVE, RANCHO PALOS VERDES 90275





SOUTH ST.

CARMENITA RD

**CLASS**

**CLASS**

**CLASS**

XRF - 24  
WATER FOUNTAIN - CERAMIC POS

**LEGEND**

SAMPLE GROUP	SAMPLE NUMBER	RESULTS
02-006 BLACK MASTIC	ND	

NA = NOT ANALYZED  
ND = NONE DETECTED  
POS = POSITIVE

PARTIAL FLOOR PLAN  
NOT TO SCALE

ABBREVIATIONS : DW = DRYWALL, JC = JOINT COMPOUND, FT = FLOOR TILE, M = FLOOR TILE MASTIC, CT = CEILING TILE, C.BASE = COVEBASE MATERIAL, C.BASE M = COVEBASE MASTIC



**H2 ENVIRONMENTAL  
CONSULTING SERVICES, INC.**

13122 6TH ST., CHINO, CA 91710, TEL. 909.628.0369

DATE: 01/04/22	PROJ NO: 2291821AS
FIGURE: 12	DRAWN BY: JC
SCALE: NTS	CHECK BY: WTH

CITY OF RANCHO PALOS VERDES, BUILDING #4  
ASBESTOS & LEAD XRF SURVEY, LADERA LINDA COMMUNITY CENTER  
32201 FORRESTAL DRIVE, RANCHO PALOS VERDES 90275



SOUTH ST.

CARMENITA RD

03-08	BROWN COVE BASE	ND
04-11	BROWN MASTIC	ND
08-23	ARK YELLOW CARPET PAD MASTIC	ND
01-02	WHITE GREY TRANSITE WALL	20%

11-32	YELLOW CEILING INSULATION	ND
03-07	BROWN COVE BASE	ND
04-10	BROWN MASTIC	ND
08-22	ARK YELLOW CARPET PAD MASTIC	ND
02-05	GREY WINDOW CAULKING	ND
01-03	WHITE GREY TRANSITE WALL	20%
11-33	YELLOW CEILING INSULATION	ND
03-09	BROWN COVE BASE	ND
04-12	BROWN MASTIC	ND
08-24	ARK YELLOW CARPET PAD MASTIC	ND
09-27	WHITE GREY 12X12 F.T.	ND
10-30	TILE GLUE	ND
02-06	GREY WINDOW CAULKING	ND

05-15	WHITE TAN COVE BASE	ND
06-18	BROWN MASTIC	ND
07-21	CARPET PAD GLUE	ND
09-26	WHITE GREY 12X12 F.T.	ND
10-29	TILE GLUE	ND
05-13	WHITE TAN COVE BASE	ND
06-16	BROWN MASTIC	ND
07-19	CARPET PAD GLUE	ND
09-25	WHITE GREY 12X12 F.T.	ND
10-28	TILE GLUE	ND
11-31	YELLOW CEILING INSULATION	ND
02-04	GREY WINDOW CAULKING	ND
05-14	WHITE TAN COVE BASE	ND
06-17	BROWN MASTIC	ND
07-20	CARPET PAD GLUE	ND
01-01	WHITE GREY TRANSITE WALL	20%

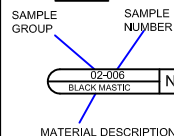
**CLASS J**

**CLASS K**

**CLASS L**

PARTIAL FLOOR PLAN  
NOT TO SCALE

**LEGEND**



RESULTS  
NA = NOT ANALYZED  
ND = NONE DETECTED  
POS = POSITIVE

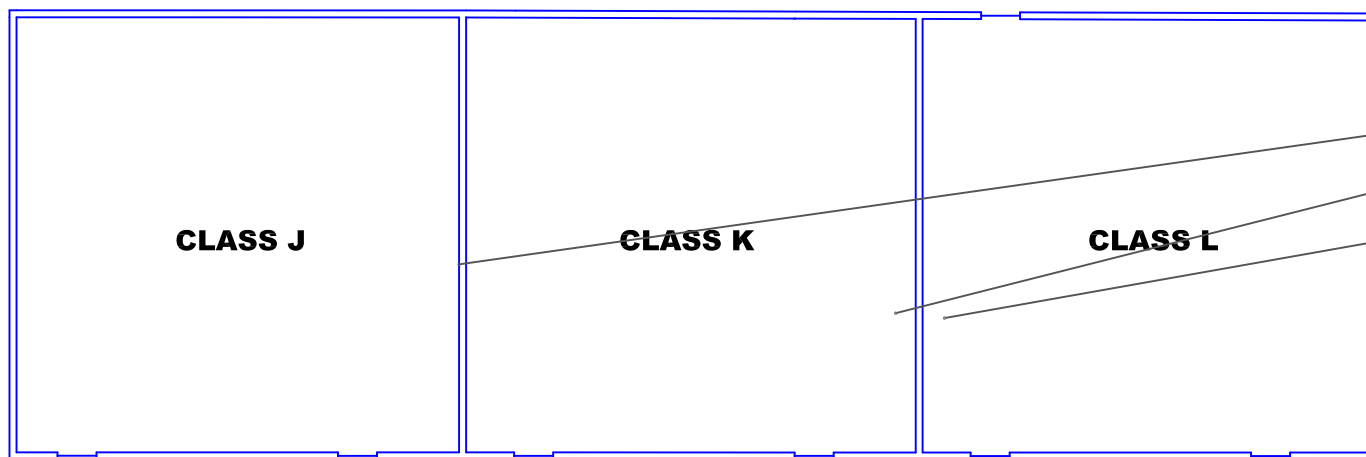
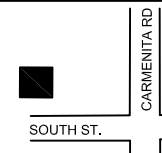
ABBREVIATIONS : DW = DRYWALL, JC = JOINT COMPOUND, FT = FLOOR TILE, M = FLOOR TILE MASTIC, CT = CEILING TILE, C.BASE = COVEBASE MATERIAL, C.BASE M = COVEBASE MASTIC



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CONSULTING SERVICES, INC.**  
13122 6TH ST., CHINO, CA 91710, TEL. 909.628.0369

DATE: 01/04/22	PROJ NO: 2291821AS
FIGURE: 13	DRAWN BY: JC
SCALE: NTS	CHECK BY: WTH

CITY OF RANCHO PALOS VERDES, BUILDING #5  
ASBESTOS & LEAD XRF SURVEY, LADERA LINDA COMMUNITY CENTER  
32201 FORRESTAL DRIVE, RANCHO PALOS VERDES 90275



XRF - 27 SINK - CERAMIC	POS
XRF - 15 SINK - CERAMIC	POS
XRF - 08 SINK - CERAMIC	POS

PARTIAL FLOOR PLAN  
NOT TO SCALE

LEGEND		
SAMPLE GROUP	SAMPLE NUMBER	RESULTS
02-006 BLACK MASTIC	ND	NA = NOT ANALYZED ND = NONE DETECTED POS = POSITIVE

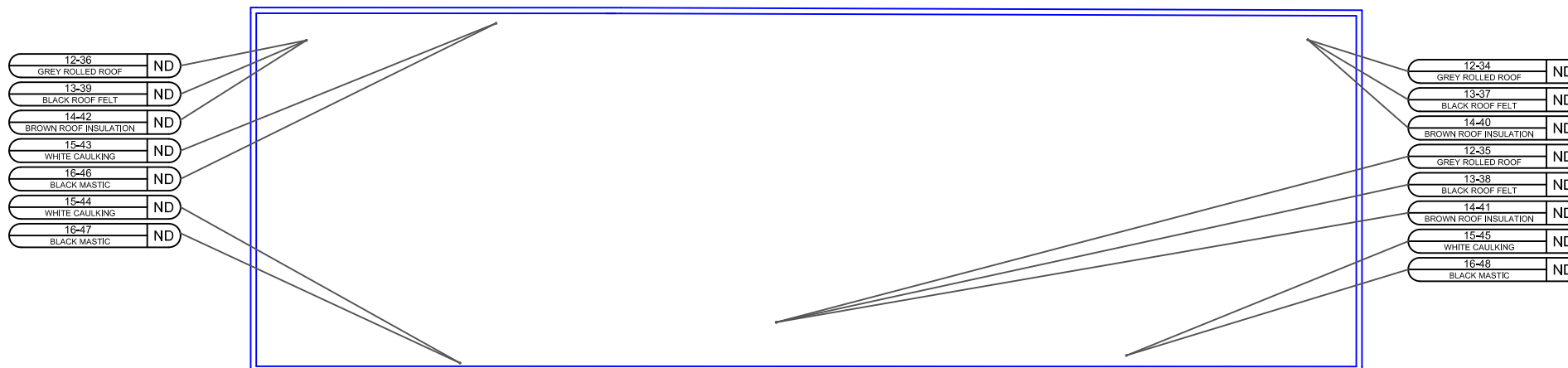
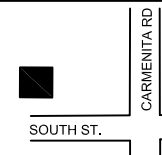
ABBREVIATIONS : DW = DRYWALL, JC = JOINT COMPOUND, FT = FLOOR TILE, M = FLOOR TILE MASTIC, CT = CEILING TILE, C.BASE = COVEBASE MATERIAL, C.BASE M = COVEBASE MASTIC



**H2 ENVIRONMENTAL  
CONSULTING SERVICES, INC.**  
13122 6TH ST., CHINO, CA 91710, TEL. 909.628.0369

DATE: 01/04/22	PROJ NO: 2291821AS
FIGURE: 14	DRAWN BY: JC
SCALE: NTS	CHECK BY: WTH

CITY OF RANCHO PALOS VERDES, BUILDING #5  
ASBESTOS & LEAD XRF SURVEY, LADERA LINDA COMMUNITY CENTER  
32201 FORRESTAL DRIVE, RANCHO PALOS VERDES 90275




**LEGEND**

SAMPLE GROUP	SAMPLE NUMBER	RESULTS
02-006 BLACK MASTIC	ND	

MATERIAL DESCRIPTION

NA = NOT ANALYZED  
ND = NONE DETECTED  
POS = POSITIVE

ABBREVIATIONS : DW = DRYWALL, JC = JOINT COMPOUND, FT = FLOOR TILE, M = FLOOR TILE MASTIC, CT = CEILING TILE, C.BASE = COVEBASE MATERIAL, C.BASE M = COVEBASE MASTIC

	<b>H2 ENVIRONMENTAL CONSULTING SERVICES, INC.</b> 13122 6TH ST., CHINO, CA 91710, TEL. 909.628.0369	DATE: <b>01/04/22</b>	PROJ NO: <b>2291821AS</b>	CITY OF RANCHO PALOS VERDES, BUILDING #5 ASBESTOS & LEAD XRF SURVEY, LADERA LINDA COMMUNITY CENTER 32201 FORRESTAL DRIVE, RANCHO PALOS VERDES 90275
		FIGURE: <b>15</b>	DRAWN BY: <b>JC</b>	
		SCALE: <b>NTS</b>	CHECK BY: <b>WTH</b>	

**SECTION 4**  
**LEAD XRF CALIBRATION RESULTS**

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**SECTION 5**  
**ANALYTICAL RESULTS**

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# LA Testing

5431 Industrial Drive Huntington Beach, CA 92649

Tel/Fax: (714) 828-4999 / (714) 828-4944

<http://www.LATesting.com> / [gardengrovelab@lateesting.com](mailto:gardengrovelab@lateesting.com)

LA Testing Order: 332131262

Customer ID: 32H2EN50

Customer PO:

Project ID:

Attention: Lab Results

H2 Environmental Consulting Services

13122 6th Street

Chino, CA 91710

Phone: (909) 628-0369

Fax:

Received Date: 12/29/2021 2:45 PM

Analysis Date: 01/04/2022

Collected Date: 12/28/2021

Project: Ladera Linda Park 2291821AS Building #2

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
01-01 332131262-0001	Exterior -S.W end - White/grey transite wall panels	Gray/White Fibrous Homogeneous		90% Non-fibrous (Other)	10% Chrysotile
01-02 332131262-0002	Exterior -S.E end - White/grey transite wall panels	Gray/White Fibrous Homogeneous		90% Non-fibrous (Other)	10% Chrysotile
01-03 332131262-0003	Exterior - N.E End - White/grey transite wall panels	Gray/White Fibrous Homogeneous		90% Non-fibrous (Other)	10% Chrysotile
02-04 332131262-0004	MP Room - West end - White drywall	Brown/White Fibrous Heterogeneous	10% Cellulose 2% Glass	88% Non-fibrous (Other)	None Detected
02-05 332131262-0005	MP Room - S.E end - White drywall	Brown/White Fibrous Heterogeneous	3% Cellulose 2% Glass	95% Non-fibrous (Other)	None Detected
02-06 332131262-0006	MP Room - East end - White drywall	Brown/White Fibrous Heterogeneous	8% Cellulose 2% Glass	90% Non-fibrous (Other)	None Detected
03-07 332131262-0007	MP Room - West end - White joint compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile
03-08 332131262-0008	MP Room - S.E end - White joint compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile
03-09 332131262-0009	MP Room - East end - White joint compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile
04-10 332131262-0010	MP Room - West end - 4" black cove base	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
04-11 332131262-0011	MP Room - S.E end - 4" black cove base	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
04-12 332131262-0012	Breakroom - East end - 4" black cove base	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
05-13 332131262-0013	MP Room - West end - Brown cove base mastic	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
05-14 332131262-0014	MP Room - S.E end - Brown cove base mastic	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
05-15 332131262-0015	Breakroom East end - Brown cove base mastic	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
06-16 332131262-0016	MP Room - West end - Tan/green 12x12 floor tile	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 01/04/2022 15:10:06



# LA Testing

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<http://www.LATesting.com> / [gardengrovelab@lateesting.com](mailto:gardengrovelab@lateesting.com)

LA Testing Order: 332131262

Customer ID: 32H2EN50

Customer PO:

Project ID:

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
06-17 332131262-0017	MP Room - South end - Tan/green 12x12 floor tile	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
06-18 332131262-0018	Front Office - East end - Tan/green 12x12 floor tile	Green Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
07-19 332131262-0019	MP Room - West end - Black floor tile mastic	Black Non-Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
07-20 332131262-0020	MP Room - South end - Black floor tile mastic	Black Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
07-21 332131262-0021	Front Office - East end - Black floor tile mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
08-22 332131262-0022	Office 1 - N.E end - Yellow carpet glue	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
08-23 332131262-0023	Office 2 - S.E end - Yellow carpet glue	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
08-24 332131262-0024	Office 2 - N.W end - Yellow carpet glue	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
09-25 332131262-0025	Closet - S.W end - 2x4 white ceiling tile	Tan/White Fibrous Heterogeneous	40% Cellulose 40% Min. Wool	20% Non-fibrous (Other)	None Detected
09-26 332131262-0026	MP Room - Center - 2x4 white ceiling tile	Tan/White Fibrous Heterogeneous	40% Cellulose 40% Min. Wool	20% Non-fibrous (Other)	None Detected
09-27 332131262-0027	Front Office - N.E end - 2x4 white ceiling tile	Tan/White Fibrous Heterogeneous	40% Cellulose 40% Min. Wool	20% Non-fibrous (Other)	None Detected
10-28 332131262-0028	Closet - S.W end - Yellow insulation	Brown/White Fibrous Homogeneous	90% Glass	10% Non-fibrous (Other)	None Detected
10-29 332131262-0029	MP Room - Center - Yellow insulation	Brown/White Fibrous Homogeneous	90% Glass	10% Non-fibrous (Other)	None Detected
10-30 332131262-0030	Front office - N.E end - Yellow insulation	Brown/White Fibrous Homogeneous	90% Glass	10% Non-fibrous (Other)	None Detected
11-31 332131262-0031	Exterior - S.W end - White/grey window caulking	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
11-32 332131262-0032	Exterior - N.W end - White/grey window caulking	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
11-33 332131262-0033	Exterior - N.E end - White/grey window caulking	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
12-34 332131262-0034	Roof - East end - Grey rolled roofing	Gray/Black Fibrous Heterogeneous	8% Glass	92% Non-fibrous (Other)	None Detected
12-35 332131262-0035	Roof- Center - Grey rolled roofing	Gray/Black Fibrous Heterogeneous	8% Glass	92% Non-fibrous (Other)	None Detected

Initial report from: 01/04/2022 15:10:06





# LA Testing

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<http://www.LATesting.com> / [gardengrovelab@lateesting.com](mailto:gardengrovelab@lateesting.com)

LA Testing Order: 332131262

Customer ID: 32H2EN50

Customer PO:

Project ID:

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
12-36 332131262-0036	Roof - S.W end - Grey rolled roofing	Gray/Black Fibrous Heterogeneous	8% Glass	92% Non-fibrous (Other)	None Detected
13-37 332131262-0037	Roof - East end - Black roof felt	Black Fibrous Homogeneous	35% Glass	65% Non-fibrous (Other)	None Detected
13-38 332131262-0038	Roof - Center - Black roof felt	Black Fibrous Homogeneous	35% Glass	65% Non-fibrous (Other)	None Detected
13-39 332131262-0039	Roof - S.W end - Black roof felt	Black Fibrous Homogeneous	35% Glass	65% Non-fibrous (Other)	None Detected
14-40 332131262-0040	Roof - East end - Brown roof insulation	Brown Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (Other)	None Detected
14-41 332131262-0041	Roof - Center - Brown roof insulation	Brown Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (Other)	None Detected
14-42 332131262-0042	Roof - S.W end - Brown roof insulation	Brown Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (Other)	None Detected
15-43 332131262-0043	Roof - N.E end - Black roof mastic	Black Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (Other)	None Detected
15-44 332131262-0044	Roof - S.W end - Black roof mastic	Black Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (Other)	None Detected
15-45 332131262-0045	Roof - N.W end - Black roof mastic	Black Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (Other)	None Detected

Analyst(s)

Mindy Le (45)

Michael Chapman, Laboratory Manager  
or Other Approved Signatory

LA Testing maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by LA Testing. LA Testing bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore LA Testing recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by LA Testing Huntington Beach, CA NVLAP Lab Code 101384-0, CA ELAP 1406

Initial report from: 01/04/2022 15:10:06



# LA Testing

520 Mission Street South Pasadena, CA 91030

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<http://www.LATesting.com> / [pasadenalab@latesting.com](mailto:pasadenalab@latesting.com)

LA Testing Order: 322200065

Customer ID: 32H2EN50

Customer PO:

Project ID:

**Attention:** H2 Environmental Consulting Services  
13122 6th Street  
Chino, CA 91710

**Phone:** (909) 628-0369

**Fax:**

**Received Date:** 01/03/2022 12:00 PM

**Analysis Date:** 01/04/2022

**Collected Date:** 12/30/2021

**Project:** 2291821AS City of Rancho Palos Verdes 32201 Forrestral Dr, Rancho Palos Verdes, CA

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
01-01 322200065-0001	Exterior-N.E. end - white gray transite wall panels	Gray/White Non-Fibrous Homogeneous		80% Non-fibrous (Other)	20% Chrysotile
01-02 322200065-0002	Exterior-North end - white gray transite wall panels	Gray/White Non-Fibrous Homogeneous		80% Non-fibrous (Other)	20% Chrysotile
01-03 322200065-0003	Exterior-S.W. end - white gray transite wall panels	Gray Fibrous Homogeneous		80% Non-fibrous (Other)	20% Chrysotile
02-04 322200065-0004	Exterior-N.E. end - white grey caulking	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
02-05 322200065-0005	Exterior-North end - white grey caulking	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
02-06 322200065-0006	Exterior-N.W. end - white grey caulking	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
03-07 322200065-0007	Class 1-N.W. end - white drywall	Brown/White Fibrous Heterogeneous	20% Cellulose 2% Glass	78% Non-fibrous (Other)	None Detected
03-08 322200065-0008	Restroom 1-N.E. end - white drywall	Brown/White Fibrous Heterogeneous	20% Cellulose 2% Glass	78% Non-fibrous (Other)	None Detected
03-09 322200065-0009	Restroom 1-S.E. end - white drywall	White Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
04-10 322200065-0010	Class 1-N.W. end - white joint compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
04-11 322200065-0011	Restroom 1-N.E. end - white joint compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
04-12 322200065-0012	Restroom 1-S.E. end - white joint compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
05-13 322200065-0013	Class 1-S.E. end - 4" black covebase	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
05-14 322200065-0014	Class 2-N.E. end - 4" black covebase	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
05-15 322200065-0015	Class 3-S.W. end - 4" black covebase	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
06-16 322200065-0016	Class 1-S.E. end - yellow brown mastic	Brown/Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 01/04/2022 12:00:24



# LA Testing

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LA Testing Order: 322200065

Customer ID: 32H2EN50

Customer PO:

Project ID:

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
06-17 322200065-0017	Class 2-N.E. end - yellow brown mastic	Brown/Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
06-18 322200065-0018	Class 3-S.W. end - yellow brown mastic	Brown/Yellow Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
07-19 322200065-0019	Class 1-S.W. end - 12"x12" blue/light blue floor tile	White/Blue Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
07-20 322200065-0020	Class 1-N.W. end - 12"x12" blue/light blue floor tile	Blue Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
07-21 322200065-0021	Class 3-West end - 12"x12" blue/light blue floor tile	White/Blue Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
08-22 322200065-0022	Class 1-S.W. end - yellow glue	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
08-23 322200065-0023	Class 1-N.W. end - yellow glue	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
08-24 322200065-0024	Class 3-West end - yellow glue	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
09-25 322200065-0025	Restroom 1-North end - 12"x12" tan brown floor tile	Brown/Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
09-26 322200065-0026	Restroom 1-S.W. end - 12"x12" tan brown floor tile	Brown/Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
09-27 322200065-0027	Restroom 1-S.E. end - 12"x12" tan brown floor tile	Brown/Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
10-28 322200065-0028	Restroom 1-North end - yellow glue	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
10-29 322200065-0029	Restroom 1-S.W. end - yellow glue	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
10-30 322200065-0030	Restroom 1-S.E. end - yellow glue	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
11-31 322200065-0031	Class 2-N.E. end - 12"x12" off white tan floor tile	Tan/Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
11-32 322200065-0032	Class 2-N.W. end - 12"x12" off white tan floor tile	Tan/Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
11-33 322200065-0033	Class 2-S.E. end - 12"x12" off white tan floor tile	Tan/Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
12-34 322200065-0034	Class 2-N.E. end - yellow glue	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
12-35 322200065-0035	Class 2-N.W. end - yellow glue	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 01/04/2022 12:00:24



# LA Testing

520 Mission Street South Pasadena, CA 91030

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LA Testing Order: 322200065

Customer ID: 32H2EN50

Customer PO:

Project ID:

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
12-36 322200065-0036	Class 2-S.E. end - yellow glue	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
13-37 322200065-0037	Class 2-South end - yellow glue under tan carpet	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
13-38 322200065-0038	Class 2-West end - yellow glue under tan carpet	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
13-39 322200065-0039	Class 2-East end - yellow glue under tan carpet	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
14-40 322200065-0040	Class 3-S.W. end - yellow glue under peach carpet	Tan Non-Fibrous Homogeneous	5% Synthetic	95% Non-fibrous (Other)	None Detected
14-41 322200065-0041	Class 3-East end - yellow glue under peach carpet	Tan Non-Fibrous Homogeneous	5% Synthetic	95% Non-fibrous (Other)	None Detected
14-42 322200065-0042	Class 3-n.W. end - yellow glue under peach carpet	Tan Non-Fibrous Homogeneous	3% Synthetic	97% Non-fibrous (Other)	None Detected
15-43 322200065-0043	Class 2-East end - yellow ceiling insulation	Yellow Fibrous Homogeneous	98% Glass	2% Non-fibrous (Other)	None Detected
15-44 322200065-0044	Class 2-center - yellow ceiling insulation	Yellow Fibrous Homogeneous	98% Glass	2% Non-fibrous (Other)	None Detected
15-45 322200065-0045	Class 2-East end - yellow ceiling insulation	Yellow Fibrous Homogeneous	98% Glass	2% Non-fibrous (Other)	None Detected
16-46 322200065-0046	Roof-S.E. end - grey rolled roof top layer	Gray/Black Fibrous Heterogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
16-47 322200065-0047	Roof-center - grey rolled roof top layer	Gray/Black Fibrous Heterogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
16-48 322200065-0048	Roof-N.W. end - grey rolled roof top layer	Gray/Black Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
17-49 322200065-0049	Roof-S.E. end - black roof felt 2nd layer	Black Fibrous Homogeneous	20% Glass	80% Non-fibrous (Other)	None Detected
17-50 322200065-0050	Roof-center - black roof felt 2nd layer	Black Fibrous Homogeneous	20% Glass	80% Non-fibrous (Other)	None Detected
17-51 322200065-0051	Roof-N.W. end - black roof felt 2nd layer	Black Fibrous Homogeneous	18% Glass	82% Non-fibrous (Other)	None Detected
18-52 322200065-0052	Roof-S.E. end - brown insulation last layer	Brown Fibrous Homogeneous	65% Cellulose	15% Perlite 20% Non-fibrous (Other)	None Detected
18-53 322200065-0053	Roof-center - brown insulation last layer	Brown Fibrous Homogeneous	65% Cellulose	15% Perlite 20% Non-fibrous (Other)	None Detected
18-54 322200065-0054	Roof-N.W. end - brown insulation last layer	Brown Fibrous Homogeneous	55% Cellulose	12% Perlite 33% Non-fibrous (Other)	None Detected

Initial report from: 01/04/2022 12:00:24



# LA Testing

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LA Testing Order: 322200065

Customer ID: 32H2EN50

Customer PO:

Project ID:

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
19-55 322200065-0055	Roof-N.E. end - black roof mastic	Black Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
19-56 322200065-0056	Roof-West end - black roof mastic	Black Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
19-57 322200065-0057	Roof-N.W. end - black roof mastic	Black Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
20-58 322200065-0058	Roof-N.E. end - grey white roof caulking	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
20-59 322200065-0059	Roof-West end - grey white roof caulking	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
20-60 322200065-0060	Roof-N.W. end - grey white roof caulking	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Analyst(s)

Joel Paruli (20)

Nahid Motamedi (20)

Rafael Palacios (20)

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

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Samples analyzed by LA Testing South Pasadena, CA NVLAP Lab Code 200232-0, CA ELAP 2283

Initial report from: 01/04/2022 12:00:24



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LA Testing Order: 322200060

Customer ID: 32H2EN50

Customer PO:

Project ID:

**Attention:** H2 Environmental Consulting Services  
13122 6th Street  
Chino, CA 91710

**Phone:** (909) 628-0369

**Fax:**

**Received Date:** 01/03/2022 12:00 PM

**Analysis Date:** 01/04/2022

**Collected Date:** 12/30/2021

**Project:** 2291821AS City of Rancho Palos Verdes 32201 Forrestal Dr, Rancho Palos Verdes, CA

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
01-01 322200060-0001	Exterior-south end - white gray transite wall panels	Gray/White Fibrous Heterogeneous		80% Non-fibrous (Other)	20% Chrysotile
01-02 322200060-0002	Exterior-west end - white gray transite wall panels	Gray/White Fibrous Heterogeneous		80% Non-fibrous (Other)	20% Chrysotile
01-03 322200060-0003	Exterior-east end - white gray transite wall panels	Gray/White Fibrous Heterogeneous		80% Non-fibrous (Other)	20% Chrysotile
02-04 322200060-0004	Exterior-S.W end - white grey caulking on windows	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
02-05 322200060-0005	Exterior-west end - white grey caulking on windows	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
02-06 322200060-0006	Exterior-east end - white grey caulking on windows	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
03-07 322200060-0007	Mens restroom-N.E end - white drywall	Brown/White Fibrous Heterogeneous	10% Cellulose 2% Glass	88% Non-fibrous (Other)	None Detected
03-08 322200060-0008	Mens restroom-S.E end - white drywall	Brown/White Fibrous Heterogeneous	10% Cellulose 2% Glass	88% Non-fibrous (Other)	None Detected
03-09 322200060-0009	Class S restroom-center - white drywall	Brown/White Fibrous Heterogeneous	15% Cellulose 2% Glass	83% Non-fibrous (Other)	None Detected
04-10 322200060-0010	Mens restroom-N.E end - white joint compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
04-11 322200060-0011	Mens restroom-S.E end - white joint compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
04-12 322200060-0012	Class A restroom-center - white joint compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
05-13 322200060-0013	Mens restroom-N.W. end - white skim coat on plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
05-14 322200060-0014	Janitors closet-West end - white skim coat on plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
05-15 322200060-0015	Class A-N.W end - white skim coat on plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
06-16 322200060-0016	Mens restroom-N.W. end - grey white plaster	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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LA Testing Order: 322200060

Customer ID: 32H2EN50

Customer PO:

Project ID:

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
06-17 322200060-0017	Janitors closet-West end - grey white plaster	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
06-18 322200060-0018	Class A-N.W end - grey white plaster	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
07-19 322200060-0019	Womens restroom-S.W end - 4" brown covebase	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
07-20 322200060-0020	Mens restroom-West end - 4" brown covebase	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
07-21 322200060-0021	Mens restroom-N.E. end - 4" brown covebase	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
08-22 322200060-0022	Womens restroom-S.W. end - white yellow glue	White/Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
08-23 322200060-0023	Mens restroom-West end - white yellow glue	White/Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
08-24 322200060-0024	Mens restroom-N.E. end - white yellow glue	White/Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
09-25 322200060-0025	Class A-S.E. end - 4" black covebase	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
09-26 322200060-0026	Class A-West end - 4" black covebase	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
09-27 322200060-0027	Class A-North end - 4" black covebase	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
10-28 322200060-0028	Class A-S.E. end - brown mastic	Brown Non-Fibrous Homogeneous	2% Fibrous (Other)	98% Non-fibrous (Other)	None Detected
10-29 322200060-0029	Class A-West end - brown mastic	Brown Non-Fibrous Homogeneous	2% Fibrous (Other)	98% Non-fibrous (Other)	None Detected
10-30 322200060-0030	Class A-North end - brown mastic	Brown Non-Fibrous Homogeneous	3% Fibrous (Other)	97% Non-fibrous (Other)	None Detected
11-31 322200060-0031	Class A-East end - yellow glue under brown carpet	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
11-32 322200060-0032	Class A-South end - yellow glue under brown carpet	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
11-33 322200060-0033	Class A-S.W. end - yellow glue under brown carpet	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
12-34 322200060-0034	Class A-S.W. end - 12"x12" off white/brown floor tile	White/Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
12-35 322200060-0035	Class A-N.E. end - 12"x12" off white/brown floor tile	White/Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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LA Testing Order: 322200060

Customer ID: 32H2EN50

Customer PO:

Project ID:

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

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
12-36 322200060-0036	Class A-North end - 12"x12" off white/brown floor tile	White/Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
13-37 322200060-0037	Class A-S.W. end - black yellow glue	Black/Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
13-38 322200060-0038	Class A-N.E. end - black yellow glue	Black/Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
13-39 322200060-0039	Class A-North end - black yellow glue	Black/Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
14-40 322200060-0040	Womens restroom-West end - 12"x12" off white multi color floor tile	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
14-41 322200060-0041	Mens restroom-N.W. end - 12"x12" off white multi color floor tile	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
14-42 322200060-0042	Mens restroom-N.E. end - 12"x12" off white multi color floor tile	White/Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
15-43 322200060-0043	Womens restroom-West end - grey yellow glue	Gray/Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
15-44 322200060-0044	Mens restroom-N.W. end - grey yellow glue	Gray/Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
15-45 322200060-0045	Mens restroom-N.E. end - grey yellow glue	Gray/Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
16-46 322200060-0046	Class A- South end - brown ceiling insulation	Brown/Yellow Fibrous Homogeneous	98% Glass	2% Non-fibrous (Other)	None Detected
16-47 322200060-0047	Janitors closet-N.W. end - brown ceiling insulation	Brown/Yellow Fibrous Homogeneous	98% Glass	2% Non-fibrous (Other)	None Detected
16-48 322200060-0048	Mens restroom-North end - brown ceiling insulation	Brown/Yellow Fibrous Homogeneous	98% Glass	2% Non-fibrous (Other)	None Detected
17-49 322200060-0049	Roof-center - grey rolled roof 1st layer	Gray/Black Fibrous Heterogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
17-50 322200060-0050	Roof-West end - grey rolled roof 1st layer	Gray/Black Fibrous Heterogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
17-51 322200060-0051	Roof-East end - grey rolled roof 1st layer	Gray/Black Fibrous Heterogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
18-52 322200060-0052	Roof-Center - black roof felt 2nd layer	Black Fibrous Homogeneous	20% Glass	80% Non-fibrous (Other)	None Detected
18-53 322200060-0053	Roof-South end - black roof felt 2nd layer	Black Fibrous Homogeneous	20% Glass	80% Non-fibrous (Other)	None Detected

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LA Testing Order: 322200060

Customer ID: 32H2EN50

Customer PO:

Project ID:

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
18-54 322200060-0054	Roof-North end - black roof felt 2nd layer	Black Fibrous Homogeneous	15% Glass	85% Non-fibrous (Other)	None Detected
19-55 322200060-0055	Roof-Center - brown roof insulation last layer	Brown Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (Other)	None Detected
19-56 322200060-0056	Roof-South end - brown roof insulation last layer	Brown Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (Other)	None Detected
19-57 322200060-0057	Roof-North end - brown roof insulation last layer	Brown Fibrous Homogeneous	85% Cellulose	15% Non-fibrous (Other)	None Detected
20-58 322200060-0058	Roof-East end - white caulking on roof	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
20-59 322200060-0059	Roof-N.E. end - white caulking on roof	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
20-60 322200060-0060	Roof-S.W. end - white caulking on roof	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
21-61 322200060-0061	Roof-East end - black roof mastic	Black Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
21-62 322200060-0062	Roof-N.E. end - black roof mastic	Black Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
21-63 322200060-0063	Roof-S.W. end - black roof mastic	Black Non-Fibrous Homogeneous	7% Cellulose	93% Non-fibrous (Other)	None Detected

Analyst(s)

Humberto Espinoza Bajo (21)

John Talley (42)

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

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Samples analyzed by LA Testing South Pasadena, CA NVLAP Lab Code 200232-0, CA ELAP 2283

Initial report from: 01/04/2022 13:07:57



## Analytical Report

### Asbestos Identification in Bulk Materials

**Client Name:** H2 Environmental Consulting Services  
**Client Address:** 13122 6th Street  
 Chino, CA 91710

**Report Number:** 1525524  
**Samples Submitted:** 45  
**Sample Collection Date:** 12/29/2021  
**Laboratory Receipt Date:** 1/3/2022  
**Analysis Method:** EPA 600/R-93/116  
 EPA 600/M4-82-020  
**Page:** 1 of 10

**Project ID:** 2291821AS  
**Project Name:** Ladera Linda Park, Building #4  
**Project Location:** 32201 Forrestal Dr.  
 Rancho Palos Verdes, CA

#### TEST DATA

**Laboratory ID#:** 1525524-001 **Client Sample #:** 01-01

**Sample Material and Location:** White Gray Transite Panel Class I South East End

**Sample Characteristics:** White Grey Fibrous Inhomogenous 40% Non-Fibrous Material  
**Misc. Components Observed:** 40% Cellulose  
**Asbestos Observed (%):** Chrysotile 20%  
**Analyst:** Chris Turton **Date Analyzed:** 1/4/2022 **Temperature °C:** 23C **Total Asbestos (%):** 20%

#### TEST DATA

**Laboratory ID#:** 1525524-002 **Client Sample #:** 01-02

**Sample Material and Location:** White Gray Transite Panel Class H North End

**Sample Characteristics:** White Grey Fibrous Inhomogenous 40% Non-Fibrous Material  
**Misc. Components Observed:** 40% Cellulose  
**Asbestos Observed (%):** Chrysotile 20%  
**Analyst:** Chris Turton **Date Analyzed:** 1/4/2022 **Temperature °C:** 23C **Total Asbestos (%):** 20%

#### TEST DATA

**Laboratory ID#:** 1525524-003 **Client Sample #:** 01-03

**Sample Material and Location:** White Gray Transite Panel Class G South End

**Sample Characteristics:** White Grey Fibrous Inhomogenous 40% Non-Fibrous Material  
**Misc. Components Observed:** 40% Cellulose  
**Asbestos Observed (%):** Chrysotile 20%  
**Analyst:** Chris Turton **Date Analyzed:** 1/4/2022 **Temperature °C:** 23C **Total Asbestos (%):** 20%

#### TEST DATA

**Laboratory ID#:** 1525524-004 **Client Sample #:** 02-04

**Sample Material and Location:** Brown Cove Base Class I North East End

**Sample Characteristics:** Brown Non-Fibrous Homogenous 100% Non-Fibrous Material  
**Misc. Components Observed:**  
**Asbestos Observed (%):**  
**Analyst:** Chris Turton **Date Analyzed:** 1/4/2022 **Temperature °C:** 23C **Total Asbestos (%):** None Detected

#### TEST DATA

**Laboratory ID#:** 1525524-005 **Client Sample #:** 02-05

**Sample Material and Location:** Brown Cove Base Class H South End

**Sample Characteristics:** Brown Non-Fibrous Homogenous 100% Non-Fibrous Material  
**Misc. Components Observed:**  
**Asbestos Observed (%):**  
**Analyst:** Chris Turton **Date Analyzed:** 1/4/2022 **Temperature °C:** 23C **Total Asbestos (%):** None Detected

**Analytical Report****Asbestos Identification in Bulk Materials**

**Client Name:** H2 Environmental Consulting Services  
**Client Address:** 13122 6th Street  
Chino, CA 91710

**Report Number:** 1525524  
**Samples Submitted:** 45  
**Sample Collection Date:** 12/29/2021  
**Laboratory Receipt Date:** 1/3/2022  
**Analysis Method:** EPA 600/R-93/116  
EPA 600/M4-82-020  
**Page:** 2 of 10

**Project ID:** 2291821AS  
**Project Name:** Ladera Linda Park, Building #4  
**Project Location:** 32201 Forrestal Dr.  
Rancho Palos Verdes, CA

**TEST DATA**

---

**Laboratory ID#:** 1525524-006 **Client Sample #:** 02-06

**Sample Material and Location:** Brown Cove Base Class G North End

**Sample Characteristics:** Brown Non-Fibrous Homogenous 100% Non-Fibrous Material

**Misc. Components Observed:**

**Asbestos Observed (%):**

**Analyst:** Chris Turton **Date Analyzed:** 1/4/2022 **Temperature °C:** 23C

**Total Asbestos (%):** None Detected

**TEST DATA**

---

**Laboratory ID#:** 1525524-007 **Client Sample #:** 03-07

**Sample Material and Location:** Brown Cove Base Mastic Class I North East End

**Sample Characteristics:** Brown Non-Fibrous Homogenous 100% Non-Fibrous Material

**Misc. Components Observed:**

**Asbestos Observed (%):**

**Analyst:** Chris Turton **Date Analyzed:** 1/4/2022 **Temperature °C:** 23C

**Total Asbestos (%):** None Detected

**TEST DATA**

---

**Laboratory ID#:** 1525524-008 **Client Sample #:** 03-08

**Sample Material and Location:** Brown Cove Base Mastic Class H North End

**Sample Characteristics:** Brown Non-Fibrous Homogenous 100% Non-Fibrous Material

**Misc. Components Observed:**

**Asbestos Observed (%):**

**Analyst:** Chris Turton **Date Analyzed:** 1/4/2022 **Temperature °C:** 23C

**Total Asbestos (%):** None Detected

**TEST DATA**

---

**Laboratory ID#:** 1525524-009 **Client Sample #:** 03-09

**Sample Material and Location:** Brown Cove Base Mastic Class G North End

**Sample Characteristics:** Brown Non-Fibrous Homogenous 100% Non-Fibrous Material

**Misc. Components Observed:**

**Asbestos Observed (%):**

**Analyst:** Chris Turton **Date Analyzed:** 1/4/2022 **Temperature °C:** 23C

**Total Asbestos (%):** None Detected

**TEST DATA**

---

**Laboratory ID#:** 1525524-010 **Client Sample #:** 04-10

**Sample Material and Location:** Brown Glue Under Grey Carpet Class H North East End

**Sample Characteristics:** Brown Non-Fibrous Homogenous 100% Non-Fibrous Material

**Misc. Components Observed:**

**Asbestos Observed (%):**

**Analyst:** Chris Turton **Date Analyzed:** 1/4/2022 **Temperature °C:** 23C

**Total Asbestos (%):** None Detected

**Analytical Report****Asbestos Identification in Bulk Materials**

**Client Name:** H2 Environmental Consulting Services  
**Client Address:** 13122 6th Street  
Chino, CA 91710

**Report Number:** 1525524  
**Samples Submitted:** 45  
**Sample Collection Date:** 12/29/2021  
**Laboratory Receipt Date:** 1/3/2022  
**Analysis Method:** EPA 600/R-93/116  
EPA 600/M4-82-020  
**Page:** 3 of 10

**Project ID:** 2291821AS  
**Project Name:** Ladera Linda Park, Building #4  
**Project Location:** 32201 Forrestal Dr.  
Rancho Palos Verdes, CA

**TEST DATA**

---

**Laboratory ID#:** 1525524-011 **Client Sample #:** 04-11

**Sample Material and Location:** Brown Glue Under Grey Carpet Class H South East End

**Sample Characteristics:** Brown Non-Fibrous Homogenous 100% Non-Fibrous Material

**Misc. Components Observed:**

**Asbestos Observed (%):**

**Analyst:** Chris Turton

**Date Analyzed:** 1/4/2022

**Temperature °C:** 23C

**Total Asbestos (%):** None Detected

**TEST DATA**

---

**Laboratory ID#:** 1525524-012 **Client Sample #:** 04-12

**Sample Material and Location:** Brown Glue Under Grey Carpet South West End

**Sample Characteristics:** Brown Non-Fibrous Homogenous 100% Non-Fibrous Material

**Misc. Components Observed:**

**Asbestos Observed (%):**

**Analyst:** Chris Turton

**Date Analyzed:** 1/4/2022

**Temperature °C:** 23C

**Total Asbestos (%):** None Detected

**TEST DATA**

---

**Laboratory ID#:** 1525524-013 **Client Sample #:** 05-13

**Sample Material and Location:** Brown Glue Under Green Carpet Class G North East End

**Sample Characteristics:** Brown Non-Fibrous Homogenous 100% Non-Fibrous Material

**Misc. Components Observed:**

**Asbestos Observed (%):**

**Analyst:** Chris Turton

**Date Analyzed:** 1/4/2022

**Temperature °C:** 23C

**Total Asbestos (%):** None Detected

**TEST DATA**

---

**Laboratory ID#:** 1525524-014 **Client Sample #:** 05-14

**Sample Material and Location:** Brown Glue Under Green Carpet Class G South West End

**Sample Characteristics:** Brown Non-Fibrous Homogenous 100% Non-Fibrous Material

**Misc. Components Observed:**

**Asbestos Observed (%):**

**Analyst:** Chris Turton

**Date Analyzed:** 1/4/2022

**Temperature °C:** 23C

**Total Asbestos (%):** None Detected

**TEST DATA**

---

**Laboratory ID#:** 1525524-015 **Client Sample #:** 05-15

**Sample Material and Location:** Brown Glue Under Green Carpet Class G North West End

**Sample Characteristics:** Brown Non-Fibrous Homogenous 100% Non-Fibrous Material

**Misc. Components Observed:**

**Asbestos Observed (%):**

**Analyst:** Chris Turton

**Date Analyzed:** 1/4/2022

**Temperature °C:** 23C

**Total Asbestos (%):** None Detected

**Analytical Report****Asbestos Identification in Bulk Materials**

**Client Name:** H2 Environmental Consulting Services  
**Client Address:** 13122 6th Street  
Chino, CA 91710

**Report Number:** 1525524  
**Samples Submitted:** 45  
**Sample Collection Date:** 12/29/2021  
**Laboratory Receipt Date:** 1/3/2022  
**Analysis Method:** EPA 600/R-93/116  
EPA 600/M4-82-020  
**Page:** 4 of 10

**Project ID:** 2291821AS  
**Project Name:** Ladera Linda Park, Building #4  
**Project Location:** 32201 Forrestal Dr.  
Rancho Palos Verdes, CA

**TEST DATA**

**Laboratory ID#:** 1525524-016 **Client Sample #:** 06-16

**Sample Material and Location:** Brown White 12x12 Floor Tile Class I North West End

**Sample Characteristics:** Brown Non-Fibrous Homogenous 96% Non-Fibrous Material

**Misc. Components Observed:**

**Asbestos Observed (%):** Chrysotile 4% **Total Asbestos (%):** 4%  
**Analyst:** Chris Turton **Date Analyzed:** 1/4/2022 **Temperature °C:** 23C

**TEST DATA**

**Laboratory ID#:** 1525524-017 **Client Sample #:** 06-17

**Sample Material and Location:** Brown White 12x12 Floor Tile Class I North East End

**Sample Characteristics:** Brown Non-Fibrous Homogenous 96% Non-Fibrous Material

**Misc. Components Observed:**

**Asbestos Observed (%):** Chrysotile 4% **Total Asbestos (%):** 4%  
**Analyst:** Chris Turton **Date Analyzed:** 1/4/2022 **Temperature °C:** 23C

**TEST DATA**

**Laboratory ID#:** 1525524-018 **Client Sample #:** 06-18

**Sample Material and Location:** Brown White 12x12 Floor Tile Class I South East End

**Sample Characteristics:** Brown Non-Fibrous Homogenous 96% Non-Fibrous Material

**Misc. Components Observed:**

**Asbestos Observed (%):** Chrysotile 4% **Total Asbestos (%):** 4%  
**Analyst:** Chris Turton **Date Analyzed:** 1/4/2022 **Temperature °C:** 23C

**TEST DATA**

**Laboratory ID#:** 1525524-019 **Client Sample #:** 07-19

**Sample Material and Location:** Yellow Floor Tile Mastic Class I North West End

**Sample Characteristics:** Yellow Non-Fibrous Homogenous 100% Non-Fibrous Material

**Misc. Components Observed:**

**Asbestos Observed (%):** **Total Asbestos (%):** None Detected  
**Analyst:** Chris Turton **Date Analyzed:** 1/4/2022 **Temperature °C:** 23C

**TEST DATA**

**Laboratory ID#:** 1525524-020 **Client Sample #:** 07-20

**Sample Material and Location:** Yellow Floor Tile Mastic Class I North East End

**Sample Characteristics:** Yellow Non-Fibrous Homogenous 100% Non-Fibrous Material

**Misc. Components Observed:**

**Asbestos Observed (%):** **Total Asbestos (%):** None Detected  
**Analyst:** Chris Turton **Date Analyzed:** 1/4/2022 **Temperature °C:** 23C

**Analytical Report****Asbestos Identification in Bulk Materials**

**Client Name:** H2 Environmental Consulting Services  
**Client Address:** 13122 6th Street  
Chino, CA 91710

**Report Number:** 1525524  
**Samples Submitted:** 45  
**Sample Collection Date:** 12/29/2021  
**Laboratory Receipt Date:** 1/3/2022  
**Analysis Method:** EPA 600/R-93/116  
EPA 600/M4-82-020  
**Page:** 5 of 10

**Project ID:** 2291821AS  
**Project Name:** Ladera Linda Park, Building #4  
**Project Location:** 32201 Forrestal Dr.  
Rancho Palos Verdes, CA

**TEST DATA**

---

**Laboratory ID#:** 1525524-021 **Client Sample #:** 07-21

**Sample Material and Location:** Yellow Floor Tile Mastic Class I South East End

**Sample Characteristics:** Yellow Non-Fibrous Homogenous 100% Non-Fibrous Material

**Misc. Components Observed:**

**Asbestos Observed (%):**

**Analyst:** Chris Turton

**Date Analyzed:** 1/4/2022

**Temperature °C:** 23C

**Total Asbestos (%):** None Detected

**TEST DATA**

---

**Laboratory ID#:** 1525524-022 **Client Sample #:** 08-22

**Sample Material and Location:** Grey Blue 12x12 Floor Tile Class H South East End

**Sample Characteristics:** Off-White Non-Fibrous Homogenous 100% Non-Fibrous Material

**Misc. Components Observed:**

**Asbestos Observed (%):**

**Analyst:** Chris Turton

**Date Analyzed:** 1/4/2022

**Temperature °C:** 23C

**Total Asbestos (%):** None Detected

**TEST DATA**

---

**Laboratory ID#:** 1525524-023 **Client Sample #:** 08-23

**Sample Material and Location:** Grey Blue 12x12 Floor Tile Class H South East End

**Sample Characteristics:** Off-White Non-Fibrous Homogenous 100% Non-Fibrous Material

**Misc. Components Observed:**

**Asbestos Observed (%):**

**Analyst:** Chris Turton

**Date Analyzed:** 1/4/2022

**Temperature °C:** 23C

**Total Asbestos (%):** None Detected

**TEST DATA**

---

**Laboratory ID#:** 1525524-024 **Client Sample #:** 08-24

**Sample Material and Location:** Grey Blue 12x12 Floor Tile Class G South East End

**Sample Characteristics:** Off-White Non-Fibrous Homogenous 100% Non-Fibrous Material

**Misc. Components Observed:**

**Asbestos Observed (%):**

**Analyst:** Chris Turton

**Date Analyzed:** 1/4/2022

**Temperature °C:** 23C

**Total Asbestos (%):** None Detected

**TEST DATA**

---

**Laboratory ID#:** 1525524-025 **Client Sample #:** 09-25

**Sample Material and Location:** Yellow Floor Tile Mastic Class H South East End

**Sample Characteristics:** Yellow Non-Fibrous Homogenous 100% Non-Fibrous Material

**Misc. Components Observed:**

**Asbestos Observed (%):**

**Analyst:** Chris Turton

**Date Analyzed:** 1/4/2022

**Temperature °C:** 23C

**Total Asbestos (%):** None Detected

**Analytical Report****Asbestos Identification in Bulk Materials**

**Client Name:** H2 Environmental Consulting Services  
**Client Address:** 13122 6th Street  
Chino, CA 91710

**Report Number:** 1525524  
**Samples Submitted:** 45  
**Sample Collection Date:** 12/29/2021  
**Laboratory Receipt Date:** 1/3/2022  
**Analysis Method:** EPA 600/R-93/116  
EPA 600/M4-82-020  
**Page:** 6 of 10

**Project ID:** 2291821AS  
**Project Name:** Ladera Linda Park, Building #4  
**Project Location:** 32201 Forrestal Dr.  
Rancho Palos Verdes, CA

**TEST DATA**

---

**Laboratory ID#:** 1525524-026 **Client Sample #:** 09-26

**Sample Material and Location:** Yellow Floor Tile Mastic Class H South East End

**Sample Characteristics:** Yellow Non-Fibrous Homogenous 100% Non-Fibrous Material

**Misc. Components Observed:**

**Asbestos Observed (%):**

**Analyst:** Chris Turton

**Date Analyzed:** 1/4/2022

**Temperature °C:** 23C

**Total Asbestos (%):** None Detected

**TEST DATA**

---

**Laboratory ID#:** 1525524-027 **Client Sample #:** 09-27

**Sample Material and Location:** Yellow Floor Tile Mastic Class G South East End

**Sample Characteristics:** Yellow Non-Fibrous Homogenous 100% Non-Fibrous Material

**Misc. Components Observed:**

**Asbestos Observed (%):**

**Analyst:** Chris Turton

**Date Analyzed:** 1/4/2022

**Temperature °C:** 23C

**Total Asbestos (%):** None Detected

**TEST DATA**

---

**Laboratory ID#:** 1525524-028 **Client Sample #:** 10-28

**Sample Material and Location:** Yellow Insulation Class I South End

**Sample Characteristics:** Yellow Fibrous Homogenous 5% Non-Fibrous Material

**Misc. Components Observed:** 95% Fibrous Glass

**Asbestos Observed (%):**

**Analyst:** Chris Turton

**Date Analyzed:** 1/4/2022

**Temperature °C:** 23C

**Total Asbestos (%):** None Detected

**TEST DATA**

---

**Laboratory ID#:** 1525524-029 **Client Sample #:** 10-29

**Sample Material and Location:** Yellow Insulation Class H North End

**Sample Characteristics:** Yellow Fibrous Homogenous 5% Non-Fibrous Material

**Misc. Components Observed:** 95% Fibrous Glass

**Asbestos Observed (%):**

**Analyst:** Chris Turton

**Date Analyzed:** 1/4/2022

**Temperature °C:** 23C

**Total Asbestos (%):** None Detected

**TEST DATA**

---

**Laboratory ID#:** 1525524-030 **Client Sample #:** 10-30

**Sample Material and Location:** Yellow Insulation Class G South End

**Sample Characteristics:** Yellow Fibrous Homogenous 5% Non-Fibrous Material

**Misc. Components Observed:** 95% Fibrous Glass

**Asbestos Observed (%):**

**Analyst:** Chris Turton

**Date Analyzed:** 1/4/2022

**Temperature °C:** 23C

**Total Asbestos (%):** None Detected

**Analytical Report****Asbestos Identification in Bulk Materials**

**Client Name:** H2 Environmental Consulting Services  
**Client Address:** 13122 6th Street  
Chino, CA 91710

**Report Number:** 1525524  
**Samples Submitted:** 45  
**Sample Collection Date:** 12/29/2021  
**Laboratory Receipt Date:** 1/3/2022  
**Analysis Method:** EPA 600/R-93/116  
EPA 600/M4-82-020  
**Page:** 7 of 10

**Project ID:** 2291821AS  
**Project Name:** Ladera Linda Park, Building #4  
**Project Location:** 32201 Forrestal Dr.  
Rancho Palos Verdes, CA

**TEST DATA**

**Laboratory ID#:** 1525524-031 **Client Sample #:** 11-31

**Sample Material and Location:** Grey Rolled Roofing Roof South East End

**Sample Characteristics:** Black Fibrous Inhomogenous 65% Non-Fibrous Material  
**Misc. Components Observed:** 2% Fibrous Glass  
33% Cellulose

**Asbestos Observed (%):**  
**Analyst:** Chris Turton **Date Analyzed:** 1/4/2022 **Temperature °C:** 23C **Total Asbestos (%):** None Detected

**TEST DATA**

**Laboratory ID#:** 1525524-032 **Client Sample #:** 11-32

**Sample Material and Location:** Grey Rolled Roofing Roof North End

**Sample Characteristics:** Black Fibrous Inhomogenous 65% Non-Fibrous Material  
**Misc. Components Observed:** 2% Fibrous Glass  
33% Cellulose

**Asbestos Observed (%):**  
**Analyst:** Chris Turton **Date Analyzed:** 1/4/2022 **Temperature °C:** 23C **Total Asbestos (%):** None Detected

**TEST DATA**

**Laboratory ID#:** 1525524-033 **Client Sample #:** 11-33

**Sample Material and Location:** Grey Rolled Roofing Roof South West End

**Sample Characteristics:** Black Fibrous Inhomogenous 65% Non-Fibrous Material  
**Misc. Components Observed:** 2% Fibrous Glass  
33% Cellulose

**Asbestos Observed (%):**  
**Analyst:** Chris Turton **Date Analyzed:** 1/4/2022 **Temperature °C:** 23C **Total Asbestos (%):** None Detected

**TEST DATA**

**Laboratory ID#:** 1525524-034 **Client Sample #:** 12-34

**Sample Material and Location:** Black Roof Felt Roof South East End

**Sample Characteristics:** Black Fibrous Inhomogenous 55% Non-Fibrous Material  
**Misc. Components Observed:** 10% Fibrous Glass  
35% Cellulose

**Asbestos Observed (%):**  
**Analyst:** Chris Turton **Date Analyzed:** 1/4/2022 **Temperature °C:** 23C **Total Asbestos (%):** None Detected

**TEST DATA**

**Laboratory ID#:** 1525524-035 **Client Sample #:** 12-35

**Sample Material and Location:** Black Roof Felt Roof North End

**Sample Characteristics:** Black Fibrous Inhomogenous 55% Non-Fibrous Material  
**Misc. Components Observed:** 10% Fibrous Glass  
35% Cellulose

**Asbestos Observed (%):**  
**Analyst:** Chris Turton **Date Analyzed:** 1/4/2022 **Temperature °C:** 23C **Total Asbestos (%):** None Detected



**Analytical Report****Asbestos Identification in Bulk Materials**

**Client Name:** H2 Environmental Consulting Services  
**Client Address:** 13122 6th Street  
Chino, CA 91710

**Report Number:** 1525524  
**Samples Submitted:** 45  
**Sample Collection Date:** 12/29/2021  
**Laboratory Receipt Date:** 1/3/2022  
**Analysis Method:** EPA 600/R-93/116  
EPA 600/M4-82-020  
**Page:** 8 of 10

**Project ID:** 2291821AS  
**Project Name:** Ladera Linda Park, Building #4  
**Project Location:** 32201 Forrestal Dr.  
Rancho Palos Verdes, CA

**TEST DATA**

**Laboratory ID#:** 1525524-036 **Client Sample #:** 12-36

**Sample Material and Location:** Black Roof Felt Roof South West End

**Sample Characteristics:** Black Fibrous Inhomogenous 55% Non-Fibrous Material  
**Misc. Components Observed:** 10% Fibrous Glass  
35% Cellulose

**Asbestos Observed (%):**  
**Analyst:** Chris Turton **Date Analyzed:** 1/4/2022 **Temperature °C:** 23C **Total Asbestos (%):** None Detected

**TEST DATA**

**Laboratory ID#:** 1525524-037 **Client Sample #:** 13-37

**Sample Material and Location:** Brown Roofing Insulation Roof South East End

**Sample Characteristics:** Brown Fibrous Inhomogenous 15% Non-Fibrous Material  
**Misc. Components Observed:** 85% Cellulose

**Asbestos Observed (%):**  
**Analyst:** Chris Turton **Date Analyzed:** 1/4/2022 **Temperature °C:** 23C **Total Asbestos (%):** None Detected

**TEST DATA**

**Laboratory ID#:** 1525524-038 **Client Sample #:** 13-38

**Sample Material and Location:** Brown Roofing Insulation Roof North End

**Sample Characteristics:** Brown Fibrous Inhomogenous 15% Non-Fibrous Material  
**Misc. Components Observed:** 85% Cellulose

**Asbestos Observed (%):**  
**Analyst:** Chris Turton **Date Analyzed:** 1/4/2022 **Temperature °C:** 23C **Total Asbestos (%):** None Detected

**TEST DATA**

**Laboratory ID#:** 1525524-039 **Client Sample #:** 13-39

**Sample Material and Location:** Brown Roofing Insulation Roof South West End

**Sample Characteristics:** Brown Fibrous Inhomogenous 15% Non-Fibrous Material  
**Misc. Components Observed:** 85% Cellulose

**Asbestos Observed (%):**  
**Analyst:** Chris Turton **Date Analyzed:** 1/4/2022 **Temperature °C:** 23C **Total Asbestos (%):** None Detected

**TEST DATA**

**Laboratory ID#:** 1525524-040 **Client Sample #:** 14-40

**Sample Material and Location:** Black Grey Roof Mastic Roof North East End

**Sample Characteristics:** Black Non-Fibrous Homogenous 80% Non-Fibrous Material  
**Misc. Components Observed:** 20% Cellulose

**Asbestos Observed (%):**  
**Analyst:** Chris Turton **Date Analyzed:** 1/4/2022 **Temperature °C:** 23C **Total Asbestos (%):** None Detected

**Analytical Report****Asbestos Identification in Bulk Materials**

**Client Name:** H2 Environmental Consulting Services  
**Client Address:** 13122 6th Street  
Chino, CA 91710

**Report Number:** 1525524  
**Samples Submitted:** 45  
**Sample Collection Date:** 12/29/2021  
**Laboratory Receipt Date:** 1/3/2022  
**Analysis Method:** EPA 600/R-93/116  
EPA 600/M4-82-020  
**Page:** 9 of 10

**Project ID:** 2291821AS  
**Project Name:** Ladera Linda Park, Building #4  
**Project Location:** 32201 Forrestal Dr.  
Rancho Palos Verdes, CA

**TEST DATA**

---

**Laboratory ID#:** 1525524-041 **Client Sample #:** 14-41

**Sample Material and Location:** Black Grey Roof Mastic Roof North End

**Sample Characteristics:** Black Non-Fibrous Homogenous 80% Non-Fibrous Material  
**Misc. Components Observed:** 20% Cellulose

**Asbestos Observed (%):**

**Analyst:** Chris Turton

**Date Analyzed:** 1/4/2022

**Temperature °C:** 23C

**Total Asbestos (%):** None Detected

**TEST DATA**

---

**Laboratory ID#:** 1525524-042 **Client Sample #:** 14-42

**Sample Material and Location:** Black Grey Roof Mastic Roof North West End

**Sample Characteristics:** Black Non-Fibrous Homogenous 80% Non-Fibrous Material  
**Misc. Components Observed:** 20% Cellulose

**Asbestos Observed (%):**

**Analyst:** Chris Turton

**Date Analyzed:** 1/4/2022

**Temperature °C:** 23C

**Total Asbestos (%):** None Detected

**TEST DATA**

---

**Laboratory ID#:** 1525524-043 **Client Sample #:** 15-43

**Sample Material and Location:** White Grey Roof Caulking Roof South East End

**Sample Characteristics:** White Grey Non-Fibrous Homogenous 100% Non-Fibrous Material  
**Misc. Components Observed:**

**Asbestos Observed (%):**

**Analyst:** Chris Turton

**Date Analyzed:** 1/4/2022

**Temperature °C:** 23C

**Total Asbestos (%):** None Detected

**TEST DATA**

---

**Laboratory ID#:** 1525524-044 **Client Sample #:** 15-44

**Sample Material and Location:** White Grey Roof Caulking Roof South End

**Sample Characteristics:** White Grey Non-Fibrous Homogenous 100% Non-Fibrous Material  
**Misc. Components Observed:**

**Asbestos Observed (%):**

**Analyst:** Chris Turton

**Date Analyzed:** 1/4/2022

**Temperature °C:** 23C

**Total Asbestos (%):** None Detected

**TEST DATA**

---

**Laboratory ID#:** 1525524-045 **Client Sample #:** 15-45

**Sample Material and Location:** White Grey Roof Caulking Roof South West End

**Sample Characteristics:** White Grey Non-Fibrous Homogenous 100% Non-Fibrous Material  
**Misc. Components Observed:**

**Asbestos Observed (%):**

**Analyst:** Chris Turton

**Date Analyzed:** 1/4/2022

**Temperature °C:** 23C

**Total Asbestos (%):** None Detected



## Analytical Report

### Asbestos Identification in Bulk Materials

**Client Name:** H2 Environmental Consulting Services  
**Client Address:** 13122 6th Street  
Chino, CA 91710

**Project ID:** 2291821AS  
**Project Name:** Ladera Linda Park, Building #4  
**Project Location:** 32201 Forrestal Dr.  
Rancho Palos Verdes, CA

**Report Number:** 1525524  
**Samples Submitted:** 45  
**Sample Collection Date:** 12/29/2021  
**Laboratory Receipt Date:** 1/3/2022  
**Analysis Method:** EPA 600/R-93/116  
EPA 600/M4-82-020  
**Page:** 10 of 10

Samples were analyzed by Calibrated Visual Estimation (CVE). Analyses by CVE have a detection limit of 1% asbestos by relative area and may not be consistently reliable below this limit or for asbestos with fiber diameter thinner than the resolving capacity of PLM without further analysis by another independent method. A test result of less than (<) 1% by CVE means asbestos was observed in the sample but is visually estimated to be below the reportable limit of 1%. The laboratory references EPA-- 40CFR Appendix E to Subpart E of Part 763. Interim Method of the Determination of Asbestos in Bulk Insulation Samples for fiber identification, 400 point counts, and composite reporting. EPA method 600/R-93/116 is referenced for analysis of non-insulation materials, sub-layers, expanded and modified point counts, CVE and subsequent data reporting. Samples containing distinct layers that can be reliably separated are analyzed and reported as separate unless requested in writing. The test data presented apply only to the items submitted. Count for samples submitted is indicative of total layers observed and may vary from actual analysis for positive stop requests. ATEL, LLC is a NIST-NVLAP and CA-ELAP Accredited laboratory (ID# 201073-0 and #2971, respectively). This report must not be reproduced, unless in its entirety, without the written consent of ATEL, LLC. Per NIST-NVLAP 150 Annex A: This report shall not be used to claim product certification, approval or endorsement by NVLAP, NIST, or any agency of the federal government. Unless indicated, samples were received in acceptable condition. Sample retention time is 30 days from issuing this report unless requested otherwise.

Analyst Signature:

A handwritten signature in black ink, appearing to read 'Chris Turton'.

-Chris Turton

Approved Signatory:

A handwritten signature in black ink, appearing to read 'Chris Turton'.

-Chris Turton

Reported On: 1/4/2022



## Analytical Report

### Asbestos Identification in Bulk Materials

**Client Name:** H2 Environmental Consulting Services  
**Client Address:** 13122 6th Street  
 Chino, CA 91710

**Report Number:** 1525528  
**Samples Submitted:** 48  
**Sample Collection Date:** 12/30/2021  
**Laboratory Receipt Date:** 1/4/2022  
**Analysis Method:** EPA 600/R-93/116  
 EPA 600/M4-82-020  
**Page:** 1 of 10

**Project ID:** 2291821AS  
**Project Name:** Ladera Linda Community Center  
**Project Location:** 32201 Forrestal Drive  
 Rancho Palos Verdes, CA

#### TEST DATA

**Laboratory ID#:** 1525528-001 **Client Sample #:** 01-01

**Sample Material and Location:** White Grey Transite Wall Panels Exterior - E End

**Sample Characteristics:** Grey Fibrous Inhomogenous 40% Non-Fibrous Material  
**Misc. Components Observed:** 40% Cellulose  
**Asbestos Observed (%):** Chrysotile 20% **Total Asbestos (%):** 20%  
**Analyst:** Chris Turton **Date Analyzed:** 1/4/2022 **Temperature °C:** 23C

#### TEST DATA

**Laboratory ID#:** 1525528-002 **Client Sample #:** 01-02

**Sample Material and Location:** White Grey Transite Wall Panels Class K - Interior N Area

**Sample Characteristics:** Grey Fibrous Inhomogenous 40% Non-Fibrous Material  
**Misc. Components Observed:** 40% Cellulose  
**Asbestos Observed (%):** Chrysotile 20% **Total Asbestos (%):** 20%  
**Analyst:** Chris Turton **Date Analyzed:** 1/4/2022 **Temperature °C:** 23C

#### TEST DATA

**Laboratory ID#:** 1525528-003 **Client Sample #:** 01-03

**Sample Material and Location:** White Grey Transite Wall Panels Class J - Interior S Area

**Sample Characteristics:** Grey Fibrous Inhomogenous 40% Non-Fibrous Material  
**Misc. Components Observed:** 40% Cellulose  
**Asbestos Observed (%):** Chrysotile 20% **Total Asbestos (%):** 20%  
**Analyst:** Chris Turton **Date Analyzed:** 1/4/2022 **Temperature °C:** 23C

#### TEST DATA

**Laboratory ID#:** 1525528-004 **Client Sample #:** 02-04

**Sample Material and Location:** Grey Window Caulking Exterior SW Area Class L

**Sample Characteristics:** Grey Non-Fibrous Homogenous 100% Non-Fibrous Material  
**Misc. Components Observed:**  
**Asbestos Observed (%):** **Total Asbestos (%):** None Detected  
**Analyst:** Chris Turton **Date Analyzed:** 1/4/2022 **Temperature °C:** 23C

#### TEST DATA

**Laboratory ID#:** 1525528-005 **Client Sample #:** 02-05

**Sample Material and Location:** Grey Window Caulking Exterior Class K - SW Area

**Sample Characteristics:** Grey Non-Fibrous Homogenous 100% Non-Fibrous Material  
**Misc. Components Observed:**  
**Asbestos Observed (%):** **Total Asbestos (%):** None Detected  
**Analyst:** Chris Turton **Date Analyzed:** 1/4/2022 **Temperature °C:** 23C

**Analytical Report****Asbestos Identification in Bulk Materials**

**Client Name:** H2 Environmental Consulting Services  
**Client Address:** 13122 6th Street  
Chino, CA 91710

**Report Number:** 1525528  
**Samples Submitted:** 48  
**Sample Collection Date:** 12/30/2021  
**Laboratory Receipt Date:** 1/4/2022  
**Analysis Method:** EPA 600/R-93/116  
EPA 600/M4-82-020  
**Page:** 2 of 10

**Project ID:** 2291821AS  
**Project Name:** Ladera Linda Community Center  
**Project Location:** 32201 Forrestal Drive  
Rancho Palos Verdes, CA

**TEST DATA**

**Laboratory ID#:** 1525528-006 **Client Sample #:** 02-06

**Sample Material and Location:** Grey Window Caulking Exterior Class J - SW Area

**Sample Characteristics:** Grey Non-Fibrous Homogenous 100% Non-Fibrous Material

**Misc. Components Observed:**

**Asbestos Observed (%):**

**Analyst:** Chris Turton

**Date Analyzed:** 1/4/2022

**Temperature °C:** 23C

**Total Asbestos (%):** None Detected

**TEST DATA**

**Laboratory ID#:** 1525528-007 **Client Sample #:** 03-07

**Sample Material and Location:** Brown Cove Base Class K - SW Area

**Sample Characteristics:** Brown Non-Fibrous Homogenous 100% Non-Fibrous Material

**Misc. Components Observed:**

**Asbestos Observed (%):**

**Analyst:** Chris Turton

**Date Analyzed:** 1/4/2022

**Temperature °C:** 23C

**Total Asbestos (%):** None Detected

**TEST DATA**

**Laboratory ID#:** 1525528-008 **Client Sample #:** 03-08

**Sample Material and Location:** Brown Cove Base Class K - N Area

**Sample Characteristics:** Brown Non-Fibrous Homogenous 100% Non-Fibrous Material

**Misc. Components Observed:**

**Asbestos Observed (%):**

**Analyst:** Chris Turton

**Date Analyzed:** 1/4/2022

**Temperature °C:** 23C

**Total Asbestos (%):** None Detected

**TEST DATA**

**Laboratory ID#:** 1525528-009 **Client Sample #:** 03-09

**Sample Material and Location:** Brown Cove Base Class J - SE Area

**Sample Characteristics:** Brown Non-Fibrous Homogenous 100% Non-Fibrous Material

**Misc. Components Observed:**

**Asbestos Observed (%):**

**Analyst:** Chris Turton

**Date Analyzed:** 1/4/2022

**Temperature °C:** 23C

**Total Asbestos (%):** None Detected

**TEST DATA**

**Laboratory ID#:** 1525528-010 **Client Sample #:** 04-10

**Sample Material and Location:** Brown Mastic (Behind Brown Cove) Class K - SW Area

**Sample Characteristics:** Brown Non-Fibrous Homogenous 100% Non-Fibrous Material

**Misc. Components Observed:**

**Asbestos Observed (%):**

**Analyst:** Chris Turton

**Date Analyzed:** 1/4/2022

**Temperature °C:** 23C

**Total Asbestos (%):** None Detected

**Analytical Report****Asbestos Identification in Bulk Materials**

**Client Name:** H2 Environmental Consulting Services  
**Client Address:** 13122 6th Street  
Chino, CA 91710

**Report Number:** 1525528  
**Samples Submitted:** 48  
**Sample Collection Date:** 12/30/2021  
**Laboratory Receipt Date:** 1/4/2022  
**Analysis Method:** EPA 600/R-93/116  
EPA 600/M4-82-020  
**Page:** 3 of 10

**Project ID:** 2291821AS  
**Project Name:** Ladera Linda Community Center  
**Project Location:** 32201 Forrestal Drive  
Rancho Palos Verdes, CA

**TEST DATA**

---

**Laboratory ID#:** 1525528-011 **Client Sample #:** 04-11

**Sample Material and Location:** Brown Mastic (Behind Brown Cove) Class K - N Area

**Sample Characteristics:** Brown Non-Fibrous Homogenous 100% Non-Fibrous Material  
**Misc. Components Observed:**  
**Asbestos Observed (%):**  
**Analyst:** Chris Turton **Date Analyzed:** 1/4/2022 **Temperature °C:** 23C **Total Asbestos (%):** None Detected

**TEST DATA**

---

**Laboratory ID#:** 1525528-012 **Client Sample #:** 04-12

**Sample Material and Location:** Brown Mastic (Behind Brown Cove) Class J - SE Area

**Sample Characteristics:** Brown Non-Fibrous Homogenous 100% Non-Fibrous Material  
**Misc. Components Observed:**  
**Asbestos Observed (%):**  
**Analyst:** Chris Turton **Date Analyzed:** 1/4/2022 **Temperature °C:** 23C **Total Asbestos (%):** None Detected

**TEST DATA**

---

**Laboratory ID#:** 1525528-013 **Client Sample #:** 05-13

**Sample Material and Location:** White, Tan Cove Base Class L - SW Area

**Sample Characteristics:** White Non-Fibrous Homogenous 100% Non-Fibrous Material  
**Misc. Components Observed:**  
**Asbestos Observed (%):**  
**Analyst:** Chris Turton **Date Analyzed:** 1/4/2022 **Temperature °C:** 23C **Total Asbestos (%):** None Detected

**TEST DATA**

---

**Laboratory ID#:** 1525528-014 **Client Sample #:** 05-14

**Sample Material and Location:** White, Tan Cove Base Class L - SE Area

**Sample Characteristics:** White Non-Fibrous Homogenous 100% Non-Fibrous Material  
**Misc. Components Observed:**  
**Asbestos Observed (%):**  
**Analyst:** Chris Turton **Date Analyzed:** 1/4/2022 **Temperature °C:** 23C **Total Asbestos (%):** None Detected

**TEST DATA**

---

**Laboratory ID#:** 1525528-015 **Client Sample #:** 05-15

**Sample Material and Location:** White, Tan Cove Base Class L - NE Area

**Sample Characteristics:** White Non-Fibrous Homogenous 100% Non-Fibrous Material  
**Misc. Components Observed:**  
**Asbestos Observed (%):**  
**Analyst:** Chris Turton **Date Analyzed:** 1/4/2022 **Temperature °C:** 23C **Total Asbestos (%):** None Detected

**Analytical Report****Asbestos Identification in Bulk Materials**

**Client Name:** H2 Environmental Consulting Services  
**Client Address:** 13122 6th Street  
Chino, CA 91710

**Report Number:** 1525528  
**Samples Submitted:** 48  
**Sample Collection Date:** 12/30/2021  
**Laboratory Receipt Date:** 1/4/2022  
**Analysis Method:** EPA 600/R-93/116  
EPA 600/M4-82-020  
**Page:** 4 of 10

**Project ID:** 2291821AS  
**Project Name:** Ladera Linda Community Center  
**Project Location:** 32201 Forrestal Drive  
Rancho Palos Verdes, CA

**TEST DATA**

**Laboratory ID#:** 1525528-016 **Client Sample #:** 06-16

**Sample Material and Location:** Brown Mastic (Behind White Tan Cove) Class L - SW Area

**Sample Characteristics:** Brown Non-Fibrous Homogenous 100% Non-Fibrous Material

**Misc. Components Observed:**

**Asbestos Observed (%):**

**Analyst:** Chris Turton

**Date Analyzed:** 1/4/2022

**Temperature °C:** 23C

**Total Asbestos (%):** None Detected

**TEST DATA**

**Laboratory ID#:** 1525528-017 **Client Sample #:** 06-17

**Sample Material and Location:** Brown Mastic (Behind White Tan Cove) Class L - SE Area

**Sample Characteristics:** Brown Non-Fibrous Homogenous 100% Non-Fibrous Material

**Misc. Components Observed:**

**Asbestos Observed (%):**

**Analyst:** Chris Turton

**Date Analyzed:** 1/4/2022

**Temperature °C:** 23C

**Total Asbestos (%):** None Detected

**TEST DATA**

**Laboratory ID#:** 1525528-018 **Client Sample #:** 06-18

**Sample Material and Location:** Brown Mastic (Behind White Tan Cove) Class L - NE Area

**Sample Characteristics:** Brown Non-Fibrous Homogenous 100% Non-Fibrous Material

**Misc. Components Observed:**

**Asbestos Observed (%):**

**Analyst:** Chris Turton

**Date Analyzed:** 1/4/2022

**Temperature °C:** 23C

**Total Asbestos (%):** None Detected

**TEST DATA**

**Laboratory ID#:** 1525528-019 **Client Sample #:** 07-19

**Sample Material and Location:** Carpet Pad Glue Class L - SW Area

**Sample Characteristics:** Yellow Non-Fibrous Homogenous 100% Non-Fibrous Material

**Misc. Components Observed:**

**Asbestos Observed (%):**

**Analyst:** Chris Turton

**Date Analyzed:** 1/4/2022

**Temperature °C:** 23C

**Total Asbestos (%):** None Detected

**TEST DATA**

**Laboratory ID#:** 1525528-020 **Client Sample #:** 07-20

**Sample Material and Location:** Carpet Pad Glue Class L - SE Area

**Sample Characteristics:** Yellow Non-Fibrous Homogenous 100% Non-Fibrous Material

**Misc. Components Observed:**

**Asbestos Observed (%):**

**Analyst:** Chris Turton

**Date Analyzed:** 1/4/2022

**Temperature °C:** 23C

**Total Asbestos (%):** None Detected

**Analytical Report****Asbestos Identification in Bulk Materials**

**Client Name:** H2 Environmental Consulting Services  
**Client Address:** 13122 6th Street  
Chino, CA 91710

**Report Number:** 1525528  
**Samples Submitted:** 48  
**Sample Collection Date:** 12/30/2021  
**Laboratory Receipt Date:** 1/4/2022  
**Analysis Method:** EPA 600/R-93/116  
EPA 600/M4-82-020  
**Page:** 5 of 10

**Project ID:** 2291821AS  
**Project Name:** Ladera Linda Community Center  
**Project Location:** 32201 Forrestal Drive  
Rancho Palos Verdes, CA

**TEST DATA**

---

**Laboratory ID#:** 1525528-021 **Client Sample #:** 07-21

**Sample Material and Location:** Carpet Pad Glue Class L - NE Area

**Sample Characteristics:** Yellow Non-Fibrous Homogenous 100% Non-Fibrous Material

**Misc. Components Observed:**

**Asbestos Observed (%):**

**Analyst:** Chris Turton

**Date Analyzed:** 1/4/2022

**Temperature °C:** 23C

**Total Asbestos (%):** None Detected

**TEST DATA**

---

**Laboratory ID#:** 1525528-022 **Client Sample #:** 08-22

**Sample Material and Location:** Dark Yellow Carpet Pad Mastic Class K - SW Area

**Sample Characteristics:** Yellow Non-Fibrous Homogenous 100% Non-Fibrous Material

**Misc. Components Observed:**

**Asbestos Observed (%):**

**Analyst:** Chris Turton

**Date Analyzed:** 1/4/2022

**Temperature °C:** 23C

**Total Asbestos (%):** None Detected

**TEST DATA**

---

**Laboratory ID#:** 1525528-023 **Client Sample #:** 08-23

**Sample Material and Location:** Dark Yellow Carpet Pad Mastic Class K - N Area

**Sample Characteristics:** Yellow Non-Fibrous Homogenous 100% Non-Fibrous Material

**Misc. Components Observed:**

**Asbestos Observed (%):**

**Analyst:** Chris Turton

**Date Analyzed:** 1/4/2022

**Temperature °C:** 23C

**Total Asbestos (%):** None Detected

**TEST DATA**

---

**Laboratory ID#:** 1525528-024 **Client Sample #:** 08-24

**Sample Material and Location:** Dark Yellow Carpet Pad Mastic Class J - SE Area

**Sample Characteristics:** Yellow Non-Fibrous Homogenous 100% Non-Fibrous Material

**Misc. Components Observed:**

**Asbestos Observed (%):**

**Analyst:** Chris Turton

**Date Analyzed:** 1/4/2022

**Temperature °C:** 23C

**Total Asbestos (%):** None Detected

**TEST DATA**

---

**Laboratory ID#:** 1525528-025 **Client Sample #:** 09-25

**Sample Material and Location:** White, Grey Floor Tile (12x12) Class L - SW Area

**Sample Characteristics:** Off-White Non-Fibrous Homogenous 100% Non-Fibrous Material

**Misc. Components Observed:**

**Asbestos Observed (%):**

**Analyst:** Chris Turton

**Date Analyzed:** 1/4/2022

**Temperature °C:** 23C

**Total Asbestos (%):** None Detected



**Analytical Report****Asbestos Identification in Bulk Materials**

**Client Name:** H2 Environmental Consulting Services  
**Client Address:** 13122 6th Street  
Chino, CA 91710

**Report Number:** 1525528  
**Samples Submitted:** 48  
**Sample Collection Date:** 12/30/2021  
**Laboratory Receipt Date:** 1/4/2022  
**Analysis Method:** EPA 600/R-93/116  
EPA 600/M4-82-020  
**Page:** 6 of 10

**Project ID:** 2291821AS  
**Project Name:** Ladera Linda Community Center  
**Project Location:** 32201 Forrestal Drive  
Rancho Palos Verdes, CA

**TEST DATA**

**Laboratory ID#:** 1525528-026 **Client Sample #:** 09-26

**Sample Material and Location:** White, Grey Floor Tile (12x12) Class K - SE Area

**Sample Characteristics:** Off-White Non-Fibrous Homogenous 100% Non-Fibrous Material

**Misc. Components Observed:**

**Asbestos Observed (%):**

**Analyst:** Chris Turton

**Date Analyzed:** 1/4/2022

**Temperature °C:** 23C

**Total Asbestos (%):** None Detected

**TEST DATA**

**Laboratory ID#:** 1525528-027 **Client Sample #:** 09-27

**Sample Material and Location:** White, Grey Floor Tile (12x12) Class J - SE Area

**Sample Characteristics:** Off-White Non-Fibrous Homogenous 100% Non-Fibrous Material

**Misc. Components Observed:**

**Asbestos Observed (%):**

**Analyst:** Chris Turton

**Date Analyzed:** 1/4/2022

**Temperature °C:** 23C

**Total Asbestos (%):** None Detected

**TEST DATA**

**Laboratory ID#:** 1525528-028 **Client Sample #:** 10-28

**Sample Material and Location:** Tile Glue (Under White, Grey Tile) Class L - SW Area

**Sample Characteristics:** Yellow Non-Fibrous Homogenous 100% Non-Fibrous Material

**Misc. Components Observed:**

**Asbestos Observed (%):**

**Analyst:** Chris Turton

**Date Analyzed:** 1/4/2022

**Temperature °C:** 23C

**Total Asbestos (%):** None Detected

**TEST DATA**

**Laboratory ID#:** 1525528-029 **Client Sample #:** 10-29

**Sample Material and Location:** Tile Glue (Under White, Grey Tile) Class K - SE Area

**Sample Characteristics:** Yellow Non-Fibrous Homogenous 100% Non-Fibrous Material

**Misc. Components Observed:**

**Asbestos Observed (%):**

**Analyst:** Chris Turton

**Date Analyzed:** 1/4/2022

**Temperature °C:** 23C

**Total Asbestos (%):** None Detected

**TEST DATA**

**Laboratory ID#:** 1525528-030 **Client Sample #:** 10-30

**Sample Material and Location:** Tile Glue (Under White, Grey Tile) Class J - SE Area

**Sample Characteristics:** Yellow Non-Fibrous Homogenous 100% Non-Fibrous Material

**Misc. Components Observed:**

**Asbestos Observed (%):**

**Analyst:** Chris Turton

**Date Analyzed:** 1/4/2022

**Temperature °C:** 23C

**Total Asbestos (%):** None Detected

**Analytical Report****Asbestos Identification in Bulk Materials**

**Client Name:** H2 Environmental Consulting Services  
**Client Address:** 13122 6th Street  
Chino, CA 91710

**Report Number:** 1525528  
**Samples Submitted:** 48  
**Sample Collection Date:** 12/30/2021  
**Laboratory Receipt Date:** 1/4/2022  
**Analysis Method:** EPA 600/R-93/116  
EPA 600/M4-82-020  
**Page:** 7 of 10

**Project ID:** 2291821AS  
**Project Name:** Ladera Linda Community Center  
**Project Location:** 32201 Forrestal Drive  
Rancho Palos Verdes, CA

**TEST DATA**

**Laboratory ID#:** 1525528-031 **Client Sample #:** 11-31

**Sample Material and Location:** Yellow Ceiling Insulation Class L - SW Area

**Sample Characteristics:** Yellow Fibrous Homogenous 5% Non-Fibrous Material  
**Misc. Components Observed:** 95% Fibrous Glass

**Asbestos Observed (%):** None Detected  
**Analyst:** Chris Turton **Date Analyzed:** 1/4/2022 **Temperature °C:** 23C

**TEST DATA**

**Laboratory ID#:** 1525528-032 **Client Sample #:** 11-32

**Sample Material and Location:** Yellow Ceiling Insulation Class K - SW Area

**Sample Characteristics:** Yellow Fibrous Homogenous 5% Non-Fibrous Material  
**Misc. Components Observed:** 95% Fibrous Glass

**Asbestos Observed (%):** None Detected  
**Analyst:** Chris Turton **Date Analyzed:** 1/4/2022 **Temperature °C:** 23C

**TEST DATA**

**Laboratory ID#:** 1525528-033 **Client Sample #:** 11-33

**Sample Material and Location:** Yellow Ceiling Insulation Class J - SW Area

**Sample Characteristics:** Yellow Fibrous Homogenous 5% Non-Fibrous Material  
**Misc. Components Observed:** 95% Fibrous Glass

**Asbestos Observed (%):** None Detected  
**Analyst:** Chris Turton **Date Analyzed:** 1/4/2022 **Temperature °C:** 23C

**TEST DATA**

**Laboratory ID#:** 1525528-034 **Client Sample #:** 12-34

**Sample Material and Location:** Grey Rolled Roof Roof - SW Area

**Sample Characteristics:** Black Fibrous Inhomogenous 65% Non-Fibrous Material  
**Misc. Components Observed:** 5% Fibrous Glass  
30% Cellulose

**Asbestos Observed (%):** None Detected  
**Analyst:** Chris Turton **Date Analyzed:** 1/4/2022 **Temperature °C:** 23C

**TEST DATA**

**Laboratory ID#:** 1525528-035 **Client Sample #:** 12-35

**Sample Material and Location:** Grey Rolled Roof Roof - N Area

**Sample Characteristics:** Black Fibrous Inhomogenous 65% Non-Fibrous Material  
**Misc. Components Observed:** 5% Fibrous Glass  
30% Cellulose

**Asbestos Observed (%):** None Detected  
**Analyst:** Chris Turton **Date Analyzed:** 1/4/2022 **Temperature °C:** 23C

**Analytical Report****Asbestos Identification in Bulk Materials**

**Client Name:** H2 Environmental Consulting Services  
**Client Address:** 13122 6th Street  
Chino, CA 91710

**Report Number:** 1525528  
**Samples Submitted:** 48  
**Sample Collection Date:** 12/30/2021  
**Laboratory Receipt Date:** 1/4/2022  
**Analysis Method:** EPA 600/R-93/116  
EPA 600/M4-82-020  
**Page:** 8 of 10

**Project ID:** 2291821AS  
**Project Name:** Ladera Linda Community Center  
**Project Location:** 32201 Forrestal Drive  
Rancho Palos Verdes, CA

**TEST DATA**

**Laboratory ID#:** 1525528-036 **Client Sample #:** 12-36

**Sample Material and Location:** Grey Rolled Roof - SE Area

**Sample Characteristics:** Black Fibrous Inhomogenous 65% Non-Fibrous Material  
**Misc. Components Observed:** 5% Fibrous Glass  
30% Cellulose

**Asbestos Observed (%):**  
**Analyst:** Chris Turton **Date Analyzed:** 1/4/2022 **Temperature °C:** 23C **Total Asbestos (%):** None Detected

**TEST DATA**

**Laboratory ID#:** 1525528-037 **Client Sample #:** 13-37

**Sample Material and Location:** Black Roof Felt Roof - SW Area

**Sample Characteristics:** Black Fibrous Inhomogenous 55% Non-Fibrous Material  
**Misc. Components Observed:** 10% Fibrous Glass  
35% Cellulose

**Asbestos Observed (%):**  
**Analyst:** Chris Turton **Date Analyzed:** 1/4/2022 **Temperature °C:** 23C **Total Asbestos (%):** None Detected

**TEST DATA**

**Laboratory ID#:** 1525528-038 **Client Sample #:** 13-38

**Sample Material and Location:** Black Roof Felt Roof - N Area

**Sample Characteristics:** Black Fibrous Inhomogenous 55% Non-Fibrous Material  
**Misc. Components Observed:** 10% Fibrous Glass  
35% Cellulose

**Asbestos Observed (%):**  
**Analyst:** Chris Turton **Date Analyzed:** 1/4/2022 **Temperature °C:** 23C **Total Asbestos (%):** None Detected

**TEST DATA**

**Laboratory ID#:** 1525528-039 **Client Sample #:** 13-39

**Sample Material and Location:** Black Roof Felt Roof - SE Area

**Sample Characteristics:** Black Fibrous Inhomogenous 55% Non-Fibrous Material  
**Misc. Components Observed:** 10% Fibrous Glass  
35% Cellulose

**Asbestos Observed (%):**  
**Analyst:** Chris Turton **Date Analyzed:** 1/4/2022 **Temperature °C:** 23C **Total Asbestos (%):** None Detected

**TEST DATA**

**Laboratory ID#:** 1525528-040 **Client Sample #:** 14-40

**Sample Material and Location:** Brown Roof Insulation Roof - SW Area

**Sample Characteristics:** Brown Fibrous Inhomogenous 15% Non-Fibrous Material  
**Misc. Components Observed:** 85% Cellulose

**Asbestos Observed (%):**  
**Analyst:** Chris Turton **Date Analyzed:** 1/4/2022 **Temperature °C:** 23C **Total Asbestos (%):** None Detected

**Analytical Report****Asbestos Identification in Bulk Materials**

**Client Name:** H2 Environmental Consulting Services  
**Client Address:** 13122 6th Street  
Chino, CA 91710

**Report Number:** 1525528  
**Samples Submitted:** 48  
**Sample Collection Date:** 12/30/2021  
**Laboratory Receipt Date:** 1/4/2022  
**Analysis Method:** EPA 600/R-93/116  
EPA 600/M4-82-020  
**Page:** 9 of 10

**Project ID:** 2291821AS  
**Project Name:** Ladera Linda Community Center  
**Project Location:** 32201 Forrestal Drive  
Rancho Palos Verdes, CA

**TEST DATA**

---

**Laboratory ID#:** 1525528-041 **Client Sample #:** 14-41

**Sample Material and Location:** Brown Roof Insulation Roof - N Area

**Sample Characteristics:** Brown Fibrous Inhomogenous 15% Non-Fibrous Material  
**Misc. Components Observed:** 85% Cellulose

**Asbestos Observed (%):** None Detected  
**Analyst:** Chris Turton **Date Analyzed:** 1/4/2022 **Temperature °C:** 23C

**TEST DATA**

---

**Laboratory ID#:** 1525528-042 **Client Sample #:** 14-42

**Sample Material and Location:** Brown Roof Insulation Roof - SE Area

**Sample Characteristics:** Brown Fibrous Inhomogenous 15% Non-Fibrous Material  
**Misc. Components Observed:** 85% Cellulose

**Asbestos Observed (%):** None Detected  
**Analyst:** Chris Turton **Date Analyzed:** 1/4/2022 **Temperature °C:** 23C

**TEST DATA**

---

**Laboratory ID#:** 1525528-043 **Client Sample #:** 15-43

**Sample Material and Location:** White Caulking Roof - SE Area

**Sample Characteristics:** White Non-Fibrous Homogenous 100% Non-Fibrous Material  
**Misc. Components Observed:**

**Asbestos Observed (%):** None Detected  
**Analyst:** Chris Turton **Date Analyzed:** 1/4/2022 **Temperature °C:** 23C

**TEST DATA**

---

**Laboratory ID#:** 1525528-044 **Client Sample #:** 15-44

**Sample Material and Location:** White Caulking Roof - NE Area

**Sample Characteristics:** White Non-Fibrous Homogenous 100% Non-Fibrous Material  
**Misc. Components Observed:**

**Asbestos Observed (%):** None Detected  
**Analyst:** Chris Turton **Date Analyzed:** 1/4/2022 **Temperature °C:** 23C

**TEST DATA**

---

**Laboratory ID#:** 1525528-045 **Client Sample #:** 15-45

**Sample Material and Location:** White Caulking Roof - NW Area

**Sample Characteristics:** White Non-Fibrous Homogenous 100% Non-Fibrous Material  
**Misc. Components Observed:**

**Asbestos Observed (%):** None Detected  
**Analyst:** Chris Turton **Date Analyzed:** 1/4/2022 **Temperature °C:** 23C



## Analytical Report

### Asbestos Identification in Bulk Materials

**Client Name:** H2 Environmental Consulting Services  
**Client Address:** 13122 6th Street  
 Chino, CA 91710

**Report Number:** 1525528  
**Samples Submitted:** 48  
**Sample Collection Date:** 12/30/2021  
**Laboratory Receipt Date:** 1/4/2022  
**Analysis Method:** EPA 600/R-93/116  
 EPA 600/M4-82-020  
**Page:** 10 of 10

**Project ID:** 2291821AS  
**Project Name:** Ladera Linda Community Center  
**Project Location:** 32201 Forrestal Drive  
 Rancho Palos Verdes, CA

#### TEST DATA

**Laboratory ID#:** 1525528-046 **Client Sample #:** 16-46

**Sample Material and Location:** Black Mastic Roof - SE Area

**Sample Characteristics:** Black Non-Fibrous Homogenous 80% Non-Fibrous Material  
**Misc. Components Observed:** 20% Cellulose

**Asbestos Observed (%):** None Detected  
**Analyst:** Chris Turton **Date Analyzed:** 1/4/2022 **Temperature °C:** 23C

#### TEST DATA

**Laboratory ID#:** 1525528-047 **Client Sample #:** 16-47

**Sample Material and Location:** Black Mastic Roof - NE Area

**Sample Characteristics:** Black Non-Fibrous Homogenous 80% Non-Fibrous Material  
**Misc. Components Observed:** 20% Cellulose

**Asbestos Observed (%):** None Detected  
**Analyst:** Chris Turton **Date Analyzed:** 1/4/2022 **Temperature °C:** 23C

#### TEST DATA

**Laboratory ID#:** 1525528-048 **Client Sample #:** 16-48

**Sample Material and Location:** Black Mastic Roof - NW Area

**Sample Characteristics:** Black Non-Fibrous Homogenous 80% Non-Fibrous Material  
**Misc. Components Observed:** 20% Cellulose

**Asbestos Observed (%):** None Detected  
**Analyst:** Chris Turton **Date Analyzed:** 1/4/2022 **Temperature °C:** 23C

Samples were analyzed by Calibrated Visual Estimation (CVE). Analyses by CVE have a detection limit of 1% asbestos by relative area and may not be consistently reliable below this limit or for asbestos with fiber diameter thinner than the resolving capacity of PLM without further analysis by another independent method. A test result of less than (<) 1% by CVE means asbestos was observed in the sample but is visually estimated to be below the reportable limit of 1%. The laboratory references EPA-40CFR Appendix E to Subpart E of Part 763. Interim Method of the Determination of Asbestos in Bulk Insulation Samples for fiber identification, 400 point counts, and composite reporting. EPA method 600/R-93/116 is referenced for analysis of non-insulation materials, sub-layers, expanded and modified point counts, CVE and subsequent data reporting. Samples containing distinct layers that can be reliably separated are analyzed and reported as separate unless requested in writing. The test data presented apply only to the items submitted. Count for samples submitted is indicative of total layers observed and may vary from actual analysis for positive stop requests. ATEL, LLC is a NIST-NVLAP and CA-ELAP Accredited laboratory (ID# 201073-0 and #2971, respectively). This report must not be reproduced, unless in its entirety, without the written consent of ATEL, LLC. Per NIST-NVLAP 150 Annex A: This report shall not be used to claim product certification, approval or endorsement by NVLAP, NIST, or any agency of the federal government. Unless indicated, samples were received in acceptable condition. Sample retention time is 30 days from issuing this report unless requested otherwise.

**Analyst Signature:**

-Chris Turton

**Approved Signatory:**

-Chris Turton

**Reported On:** 1/5/2022

**SECTION 6**

**FIELD ASSESSMENT WORKSHEET/CHAIN OF CUSTODY**

---



#322200065



## EMSL Analytical, dba LA Testing

•EMSL - 2235 Polvorosa Boulevard, Suite 230, San Leandro, CA 94577

•LA Testing - 159 Pasadena Avenue, S. Pasadena, CA 91030

•LA Testing - 10772 Noel Street, Los Alamitos, CA 90720

## CHAIN OF CUSTODY

## EMSL Rep:

Company:

Contact:

Address:

City &amp; State:

Phone:

☒ Email Results

Project Name or

Number:

H2 Environmental Consulting Services

13122 6<sup>th</sup> Street

Chino, CA

Zip 91710

909-628-0369

labresults@h2env.com

City of Rancho Palos Verdes

2291821 45

## Third Party Billing

LA Testing-Bill to:

Contact:

Address:

City &amp; State:

Fax:

☐ Fax results

Purchase Order

Number:

\*requires written authorization from third party

32H2ENV50

Amy DeSantiago

13122 6<sup>th</sup> st

Chino, Ca

Zip 91710

## TURNAROUND TIME

☐ 3 Hours ☐ 6 Hours ☐ 12 Hours ☒ 24 Hours ☐ 48 Hours ☐ 72 Hours ☐ 4 Days ☐ 5 Days ☐ 6-10 Days

## SAMPLE MATRIX

☐ Air ☒ Bulk ☐ Soil ☐ Wipe ☐ Micro-Vac ☐ Drinking Water ☐ Wastewater ☐ Chips ☐ Other

## ASBESTOS ANALYSIS

## PCM - Air

☐ NIOSH 7400 (A) Issue 2: August 1994  
☐ OSHA w/TWA

## TEM AIR

☐ AHERA 40 CFR, Part 763 Subpart E  
☐ NIOSH 7402 Issue 2
☐ EPA Level II

## PLM - Bulk

☒ EPA 600/R-93/116☐ NY Stratified Point CountCARB 435 Level: ☐ A ☐ B ☐ C ☐ D ☐ E☐ NIOSH 9002☐ PLM NOB (Gravimetric) NYS 198.1☐ EPA Point Count (400 Points)☐ EPA Point Count (1,000 Points)☐ Standard Addition Point Count

## SOILS

EPA Protocol ☐ Qualitative ☐ QuantitativeCARB 435 Level: ☐ A ☐ B ☐ C ☐ D ☐ E☐ EMSL MSD 9000 Method fibers/gram☐ Superfund EPA 540-R097-028 (dust generation)

## TEM BULK

☐ Drop Mount (Qualitative)☐ Chatfield SOP-1988-02☐ TEM NOB (Gravimetric) NY 198.4

## TEM MICROVAC

☐ ASTM D 5755-95 (Quantitative)

## TEM WIPE

☐ ASTM D-6480-99☐ Qualitative

## TEM WATER

☐ EPA 100.1☐ EPA 100.2☐ NYS 198.2OTHER: *Chlorine (63) 01/23/2002 1200*

## LEAD ANALYSIS

## Flame Atomic Absorption

☐ Wipe, SW846-7420 ☐ ASTM ☐ non ASTM☐ Soil, SW846-7420☐ Air, NIOSH 7082☐ Chips, SW846-7420 or AOAC 5.009 (974.02)☐ Wastewater, SW 846-7420☐ TTLC LEAD☐ STLC LEAD☐ TCLP LEAD SW846-1311/7420

## Graphite Furnace Atomic Absorption

☐ Air, NIOSH 7105☐ Wastewater, SW846-7421☐ Soil, SW846-7421☐ Drinking Water, EPA 239.2

## ICP - Inductively Coupled Plasma

☐ Wipe, SW846-6010 ☐ ASTM ☐ non ASTM☐ Soil, SW846-6010☐ Air, NIOSH 7300

## MATERIALS ANALYSIS

☐ Full Particle Identification☐ Optical Particle Identification☐ Dust Mites and Insect Fragments☐ Particle Size & Distribution☐ Product Comparison☐ Paint Characterization☐ Failure Analysis☐ Corrosion Analysis☐ Glove Box Containment Study☐ Petrographic Examination of Concrete☐ Portland Cement in Workplace Atmospheres (OSHA ID-143)☐ Man Made Vitreous Fibers - MMVF's☐ Synthetic Fiber Identification☐ Other:

## MICROBIAL ANALYSIS

## Air Samples

☐ Mold & Fungi by Air O Cell☐ Mold & Fungi by Agar Plate count & id☐ Bacterial Count and Gram Stain☐ Bacterial Count and Identification

## Water Samples

☐ Total Coliforms, Fecal Coliforms☐ Escherichia Coli, Fecal Streptococcus☐ Legionella☐ Salmonella☐ Giardia and Cryptosporidium

## Wipe and Bulk Samples

☐ Mold & Fungi - Direct Examination☐ Mold & Fungi - (Culture follow up to direct examination if necessary)☐ Mold & Fungi - Culture (Count & ID)☐ Mold & Fungi - Culture (Count only)☐ Bacterial Count & Gram Stain☐ Bacterial Count & Identification☐ (3 most prominent types)☐ Other:

## IAQ ANALYSIS

☐ Nuisance Dust (NIOSH 0500 & 0600)☐ Airborne Dust (PM10, TSP)☐ Silica Analysis by XRD ☐ NIOSH 7500☐ HVAC Efficiency☐ Carbon Black☐ Airborne Oil Mist☐ Other:

Client Sample # (S)

01-01

20-60

TOTAL SAMPLE #

60 PLM

Relinquished:

Date:

12-29-21

Time:

5pm

EMSL SAN LEANDRO - 510-895-3675, LA Testing, Inc. • LOS ALAMITOS - 714-828-4999 • SOUTH PASADENA - 323-254-9960





# ENVIRONMENTAL CONSULTING SERVICES, INC.

## Bulk Sampling Form

☐ Stop at First Positive ☒ 24 Hour turn around ☐ Rush turn around (4 Hours)  
☒ Do Not Layer Samples

CLIENT <i>City of Rancho Palos Verdes</i>			PROJECT NO. <i>2291821 AS</i>		
PROJECT ID <i>Ladera Linda Community Center - BLDG. #1</i>			DATE <i>12/30/21</i>	PAGE <i>1</i> OF <i>3</i>	
PROJECT LOCATION <i>32201 Forestal Dr, Rancho Palos Verdes CA</i>			INSPECTOR <i>S. Hatan / R. Moreno</i>		
GRP. NO.	SAMP. NO.	MATERIAL DESCRIPTION	LOCATION OF SAMPLE	QTY	*COND
<i>01</i>	<i>01</i>	<i>white Grey Transite</i>	<i>Extension - South end</i>	<i>6,791 lb</i>	
<i>↓</i>	<i>02</i>	<i>↓ Wall Panels</i>	<i>Extension - West end</i>	<i>↓</i>	
<i>↓</i>	<i>03</i>	<i>↓</i>	<i>Extension - East end</i>	<i>↓</i>	
<i>02</i>	<i>04</i>	<i>white Grey Caulking</i>	<i>Extension - S.W end</i>	<i>200 lb</i>	
<i>↓</i>	<i>05</i>	<i>↓ on Windows</i>	<i>Extension - West end</i>	<i>↓</i>	
<i>↓</i>	<i>06</i>	<i>↓</i>	<i>Extension - East end</i>	<i>↓</i>	
<i>03</i>	<i>07</i>	<i>white Drywall</i>	<i>Mens Restroom - N.E end</i>	<i>2,100 lb</i>	
<i>↓</i>	<i>08</i>	<i>↓</i>	<i>Mens Restroom - S.E end</i>	<i>↓</i>	
<i>↓</i>	<i>09</i>	<i>↓</i>	<i>Class A Restroom - Center</i>	<i>↓</i>	
<i>04</i>	<i>10</i>	<i>white Joint Compound</i>	<i>Mens Restroom - N.E end</i>	<i>2,100 lb</i>	
<i>↓</i>	<i>11</i>	<i>↓</i>	<i>Mens Restroom - S.E end</i>	<i>↓</i>	
<i>↓</i>	<i>12</i>	<i>↓</i>	<i>Class A Restroom - Center</i>	<i>↓</i>	
<i>05</i>	<i>13</i>	<i>white Skin Coat</i>	<i>Mens Restroom - N.W end</i>	<i>4,521 lb</i>	
<i>↓</i>	<i>14</i>	<i>↓ on Plaster</i>	<i>Janitors Closet - West end</i>	<i>↓</i>	
<i>↓</i>	<i>15</i>	<i>↓</i>	<i>Class A - N.W end</i>	<i>↓</i>	
<i>06</i>	<i>16</i>	<i>Grey white Plaster</i>	<i>Mens Restroom - N.W end</i>	<i>4,521 lb</i>	
<i>↓</i>	<i>17</i>	<i>↓</i>	<i>Janitors closet - West end</i>	<i>↓</i>	
<i>↓</i>	<i>18</i>	<i>↓</i>	<i>Class A - N.W end</i>	<i>↓</i>	
<i>07</i>	<i>19</i>	<i>4" Brown Core base</i>	<i>Women's Restroom - S.W end</i>	<i>100 lb</i>	
<i>↓</i>	<i>20</i>	<i>↓</i>	<i>Mens Restroom - West end</i>	<i>↓</i>	
<i>↓</i>	<i>21</i>	<i>↓</i>	<i>Mens Restroom - N.E end</i>	<i>↓</i>	

\*Condition G-Good D-Damaged SD-Significantly Damaged Additional Notes:





# ENVIRONMENTAL CONSULTING SERVICES, INC.

## Bulk Sampling Form

☐ Stop at First Positive ☒ 24 Hour turn around ☐ Rush turn around (4 Hours)  
☒ Do Not Layer Samples

CLIENT <i>City of Rancho Palos Verdes</i>	PROJECT NO. <i>2291821 AS</i>
PROJECT ID <i>Ladera Linda Community Center - #2</i>	DATE <i>12/30/21</i>
PROJECT LOCATION <i>32201 Forestal Dr, Rancho Palos Verdes CA</i>	INSPECTOR <i>S. Halan / R. Mouno</i>
PAGE <i>2</i>	OF <i>3</i>

GRP. NO.	SAMP. NO.	MATERIAL DESCRIPTION	LOCATION OF SAMPLE	QTY	*COND
08	22	white yellow & blue	Womens Restroom - S.W end	100 #	
↓	23	↓	Mens Restroom - West end	↓	
↓	24	↓	Mens Restroom - N.E end	↓	
09	25	4" Black Core base	class A - S.E end	50 #	
↓	26	↓	class A - West end	↓	
↓	27	↓	class A - North end	↓	
10	28	Brown Mastic	class A - S.E end	50 #	
↓	29	↓	class A - West end	↓	
↓	30	↓	class A - North end	↓	
11	31	yellow & blue under	class A - East end	200 #	
↓	32	Brown Carpet	class A - South end	↓	
↓	33	↓	class A - S.W end	↓	
12	34	12"X12" off white	class A - S.W end	1,100 #	
↓	35	Brown Floor Tile	class A - N.E end	↓	
↓	36	↓	class A - North end	↓	
13	37	Black Yellow & blue	class A - S.W end	1,100 #	
↓	38	↓	class A - N.E end	↓	
↓	39	↓	class A - North end	↓	
14	40	12"X12" off white	Womens Restroom - West end	2,100 #	
↓	41	Multi Color floor tile	Mens Restroom - N.W end	↓	
↓	42	↓	Mens Restroom - N.E end	↓	

\*Condition G-Good D-Damaged SD-Significantly Damaged Additional Notes:



# ENVIRONMENTAL CONSULTING SERVICES, INC.

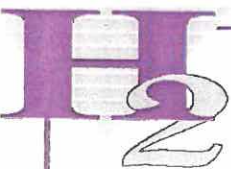
## Bulk Sampling Form

☐ Stop at First Positive ☒ 24 Hour turn around ☐ Rush turn around (4 Hours)  
☒ Do Not Layer Samples

CLIENT <i>City of Rancho Palos Verdes</i>			PROJECT NO. <i>2291821 AS</i>		
PROJECT ID <i>Castro Linda Community Center - BLDG. #1</i>			DATE <i>12/30/21</i>	PAGE <i>3</i> OF <i>3</i>	
PROJECT LOCATION <i>32201 Forestal Dr, Rancho Palos Verdes CA</i>			INSPECTOR <i>S. Hulan/L. Moreno</i>		
GRP. NO.	SAMP. NO.	MATERIAL DESCRIPTION	LOCATION OF SAMPLE	QTY	*COND
15	43	Gray yellow Glue	Womens Restroom - West end	2, 100¢	
✓	44	↓	Mens Restroom - N.W end	↓	
✓	45	↓	Mens Restroom - N.E end	↓	
16	46	Brown Ceiling Insulation	Class A - South end	4, 100¢	
↓	47	↓	Janitors Closet - N.W end	↓	
↓	48	↓	Mens Restroom - North end	↓	
17	49	Gray Rolled Roof	Roof - Center	4, 100¢	
↓	50	↓ 1st Layer	Roof - South end	↓	
↓	51	↓	Roof - North end	↓	
18	52	Black roof felt	Roof - Center	4, 100¢	
↓	53	↓ 2nd Layer	Roof - South end	↓	
↓	54	↓	Roof - North end	↓	
19	55	Brown Roof Insulation	Roof - Center	4, 100¢	
↓	56	↓ Last Layer	Roof - South end	↓	
↓	57	↓	Roof - North end	↓	
20	58	White Caulking on	Roof - East end	100¢	
↓	59	↓ roof	Roof - N.E end	↓	
↓	60	↓	Roof - S.W end	↓	
21	61	Black roof Mastic	Roof - East end	100¢	
↓	62	↓	Roof - N.E end	↓	
↓	63	↓	Roof - S.W end	↓	

\*Condition G-Good D-Damaged SD-Significantly Damaged Additional Notes:





H2 Environmental Consulting Services, Inc.  
13122 6<sup>th</sup> Street  
Chino, CA 91710-9008  
Office: 909-628-0369 Fax: 909-613-5845

# LEAD XRF SURVEY RESULTS

Client Name: <i>City of Rancho Palos Verdes</i>	Project Number: <i>2291821 XS</i>
Project Name: <i>Ladera Linda Community Center - Building #1</i>	Inspector (s): <i>S. Hulan / L. Moreno</i>
Project Location / Address: <i>32201 Forrestal Dr, Rancho Palos Verdes CA</i>	Date: <i>12/30/21</i>

The list materials and their components where Lead Based Paint (LBP) was detected at or in excess of the HUD/EPA standards of 1.0 mg/cm<sup>2</sup> (Los Angeles County has established a more stringent standard for lead-based paint at 0.7mg/cm<sup>2</sup>) by XRF method which is listed in the table below. All XRF readings below the regulatory defined action level are considered negative and all readings at and above these levels are considered positive.

Shot #	Unit	Room Tested	Wall	Color	Component	Substrate	Quantity	Paint Condition	Result	Neg/Pos
1	<i>Building #1</i>	<i>Extension</i>	<i>W</i>	<i>Blue</i>	<i>Rain Gutter</i>	<i>metal</i>	<i>100 lb</i>	<i>Intact</i>	<i>0.0</i>	<i>(N) P</i>
2			<i>W</i>	<i>Blue</i>	<i>Fascia</i>	<i>metal</i>	<i>400 lb</i>		<i>0.0</i>	<i>(N) P</i>
3			<i>W</i>	<i>white</i>	<i>Soffit</i>	<i>metal</i>	<i>200 lb</i>		<i>0.1</i>	<i>(N) P</i>
4			<i>W</i>	<i>Tan</i>	<i>Window</i>	<i>metal</i>	<i>10 each</i>		<i>0.0</i>	<i>(N) P</i>
5			<i>W</i>	<i>Silver</i>	<i>Window frame</i>	<i>metal</i>	<i>10 each</i>		<i>0.0</i>	<i>(N) P</i>
6			<i>W</i>	<i>Tan</i>	<i>Wall Panel</i>	<i>Transite</i>	<i>6,790 lb</i>		<i>0.0</i>	<i>(N) P</i>
7			<i>W</i>	<i>yellow</i>	<i>Floor Line</i>	<i>Concrete</i>	<i>10 lb</i>		<i>0.0</i>	<i>(N) P</i>
8			<i>W</i>	<i>Blue</i>	<i>Door</i>	<i>metal</i>	<i>8 each</i>		<i>0.0</i>	<i>(N) P</i>
9			<i>W</i>	<i>Silver</i>	<i>Door frame</i>	<i>metal</i>	<i>8 each</i>		<i>0.0</i>	<i>(N) P</i>
10		<i>Class A</i>	<i>N</i>	<i>white</i>	<i>Sink</i>	<i>Ceramic</i>	<i>1 each</i>	<i>Intact</i>	<i>5.8</i>	<i>N (P)</i>
11			<i>W</i>	<i>white</i>	<i>Sink</i>	<i>Ceramic</i>	<i>2 each</i>		<i>58</i>	<i>N (P)</i>
12			<i>N</i>	<i>white</i>	<i>Toilets</i>	<i>Ceramic</i>	<i>2 each</i>		<i>4.2</i>	<i>N (P)</i>
13			<i>S</i>	<i>Tan</i>	<i>Wall</i>	<i>Plaster</i>	<i>4,521 lb</i>		<i>0.0</i>	<i>(N) P</i>
14			<i>E</i>	<i>Tan</i>	<i>Wall Panel</i>	<i>Transite</i>	<i>2,100 lb</i>		<i>0.0</i>	<i>(N) P</i>
15			<i>S</i>	<i>Tan</i>	<i>Wall Panel</i>	<i>Transite</i>	<i>2,100 lb</i>		<i>0.0</i>	<i>(N) P</i>
16		<i>Womens Restroom</i>	<i>W</i>	<i>Blue</i>	<i>Door</i>	<i>metal</i>	<i>1 each</i>		<i>0.1</i>	<i>(N) P</i>



H2 Environmental Consulting Services, Inc.  
13122 6<sup>th</sup> Street  
Chino, CA 91710-9008  
Office: 909-628-0369 Fax: 909-613-5845

## LEAD XRF SURVEY RESULTS

Client Name: <u>City of Rancho Palos Verdes</u>	Project Number: <u>2291821 AS</u>
Project Name: <u>Ladera Linda Community Center - Building # 1</u>	Inspector (s): <u>S. Hulan / K. Moreno</u>
Project Location / Address: <u>32201 Forestal Dr, Rancho Palos Verdes CA</u>	Date: <u>12/30/21</u>

The list materials and their components where Lead Based Paint (LBP) was detected at or in excess of the HUD/EPA standards of 1.0 mg/cm<sup>2</sup> (Los Angeles County has established a more stringent standard for lead-based paint at 0.7mg/cm<sup>2</sup>) by XRF method which is listed in the table below. All XRF readings below the regulatory defined action level are considered negative and all readings at and above these levels are considered positive.

Shot #	Unit	Room Tested	Wall	Color	Component	Substrate	Quantity	Paint Condition	Result	Neg/Pos
17	Building #1	Women's Restroom	W	Silver	Door frame	Metal	1 each	Intact	0.1	N/P
18			S	white	Sink	Ceramic	4 each		5.5	N/P
19			E	Tan	Wall	Drywall	2,100 sq		0.0	N/P
20			N	white	Toilets	Ceramic	5 each		8.2	N/P
21			N	Tan	Partition Wall	Metal	50 sq		0.2	N/P
22			N	Tan	Wall	Plaster	4,521 sq	Disturb	0.0	N/P
23		Jamies Closet	W	Blue	Door	Metal	1 each	Intact	0.0	N/P
24			W	Silver	Door frame	Metal	1 each		0.0	N/P
25			E	white	Sink	Ceramic	1 each	Intact	4.1	N/P
26			E	Green	Wall	Plaster	600 sq	Disturb	0.0	N/P
27		Mens Restroom	N	white	Sink	Ceramic	6 each	Intact	7.2	N/P
28			N	Tan	Partition Wall	Metal	100 sq	Intact	0.2	N/P
29			N	white	Urinals	Ceramic	5 each	Intact	9.8	N/P
30			S	Tan	Partition Wall	Metal	100 sq		0.0	N/P
31			S	white	Toilets	Ceramic	3 each	Intact	5.0	N/P
32			S	white	Sinks	Ceramic	6 each		6.2	N/P





# #332131262

## EMSL Analytical, dba LA Testing

• EMSL - 2235 Polvorosa Boulevard, Suite 230, San Leandro, CA 94577

• LA Testing - 159 Pasadena Avenue, S. Pasadena, CA 91030

• LA Testing - 10772 Noel Street, Los Alamitos, CA 90720

### CHAIN OF CUSTODY

#### EMSL Rep:

Company:

H2 Environmental Consulting Services

Contact:

Address:

13122 6<sup>th</sup> Street

City & State:

Chino, CA

Zip 91710

Phone:

909-628-0369

☒ Email Results

labresults@h2env.com

Project Name or

LAJERA LINDA PARK

Number:

2291821 AS BUILDING #2

Third Party Billing

LA Testing-Bill to:

\*requires written authorization from third party

32H2ENV50

Contact:

Amy DeSantiago

Address:

13122 6<sup>th</sup> st

City & State:

Chino, Ca

Zip 91710

Fax:

☐ Fax results

Purchase Order

Number:

#### TURNAROUND TIME

☐ 3 Hours

☐ 6 Hours

☐ 12 Hours

☒ 24 Hours

☐ 48 Hours

☐ 72 Hours

☐ 4 Days

☐ 5 Days

☐ 6-10 Days

#### SAMPLE MATRIX

☐ Air

☒ Bulk

☐ Soil

☐ Wipe

☐ Micro-Vac

☐ Drinking Water

☐ Wastewater

☐ Chips

☐ Other

### ASBESTOS ANALYSIS

#### PCM - Air

☐ NIOSH 7400 (A) Issue 2: August 1994

☐ OSHA w/TWA

#### TEM AIR

☐ AHERA 40 CFR, Part 763 Subpart E

☐ NIOSH 7402 Issue 2

☐ EPA Level II

#### PLM - Bulk

☒ EPA 600/R-93/116

☐ NY Stratified Point Count

CARB 435 Level: ☐ A ☐ B ☐ C ☐ D ☐ E

☐ NIOSH 9002

☐ PLM NOB (Gravimetric) NYS 198.1

☐ EPA Point Count (400 Points)

☐ EPA Point Count (1,000 Points)

☐ Standard Addition Point Count

#### SOILS

EPA Protocol ☐ Qualitative ☐ Quantitative

CARB 435 Level: ☐ A ☐ B ☐ C ☐ D ☐ E

☐ EMSL MSD 9000 Method fibers/gram

☐ Superfund EPA 540-R097-028 (dust generation)

#### TEM BULK

☐ Drop Mount (Qualitative)

☐ Chatfield SOP-1988-02

☐ TEM NOB (Gravimetric) NY 198.4

#### TEM MICROVAC

☐ ASTM D 5755-95 (Quantitative)

#### TEM WIPE

☐ ASTM D-6480-99

☐ Qualitative ☐

#### TEM WATER

☐ EPA 100.1

☐ EPA 100.2

☐ NYS 198.2

OTHER:

### LEAD ANALYSIS

#### Flame Atomic Absorption

☐ Wipe, SW846-7420 ☐ ASTM ☐ non ASTM

☐ Soil, SW846-7420

☐ Air, NIOSH 7082

☐ Chips, SW846-7420 or AOAC 5.009 (974.02)

☐ Wastewater, SW 846-7420

☐ TTLC LEAD

☐ STLC LEAD

☐ TCLP LEAD SW846-1311/7420

#### Graphite Furnace Atomic Absorption

☐ Air, NIOSH 7105

☐ Wastewater, SW846-7421

☐ Soil, SW846-7421

☐ Drinking Water, EPA 239.2

#### ICP - Inductively Coupled Plasma

☐ Wipe, SW846-6010 ☐ ASTM ☐ non ASTM

☐ Soil, SW846-6010

☐ Air, NIOSH 7300

### MATERIALS ANALYSIS

☐ Full Particle Identification

☐ Optical Particle Identification

☐ Dust Mites and Insect Fragments

☐ Particle Size & Distribution

☐ Product Comparison

☐ Paint Characterization

☐ Failure Analysis

☐ Corrosion Analysis

☐ Glove Box Containment Study

☐ Petrographic Examination of Concrete

☐ Portland Cement in Workplace Atmospheres (OSHA ID-143)

☐ Man Made Vitreous Fibers - MMVF's

☐ Synthetic Fiber Identification

☐ Other:

### MICROBIAL ANALYSIS

#### Air Samples

☐ Mold & Fungi by Air O Cell

☐ Mold & Fungi by Agar Plate count & id

☐ Bacterial Count and Gram Stain

☐ Bacterial Count and Identification

#### Water Samples

☐ Total Coliforms, Fecal Coliforms

☐ Escherichia Coli, Fecal Streptococcus

☐ Legionella

☐ Salmonella

☐ Giardia and Cryptosporidium

#### Wipe and Bulk Samples

☐ Mold & Fungi - Direct Examination

☐ Mold & Fungi - (Culture follow up to direct examination if necessary)

☐ Mold & Fungi - Culture (Count & ID)

☐ Mold & Fungi - Culture (Count only)

☐ Bacterial Count & Gram Stain

☐ Bacterial Count & Identification

(3 most prominent types)

☐ Other:

### IAQ ANALYSIS

☐ Nuisance Dust (NIOSH 0500 & 0600)

☐ Airborne Dust (PM10, TSP)

☐ Silica Analysis by XRD ☐ Niosh 7500

☐ HVAC Efficiency

☐ Carbon Black

☐ Airborne Oil Mist

☐ Other:

Client Sample # (S)

01-01

15-45

TOTAL SAMPLE #

45

Relinquished:

Date:

12-25-21

Time:





# ENVIRONMENTAL CONSULTING SERVICES, INC.

## Bulk Sampling Form

☐ Stop at First Positive ☒ 24 Hour turn around ☐ Rush turn around (4 Hours)  
☒ Do Not Layer Samples

CLIENT CITY OF RANCHO PALOS VERDE	PROJECT NO. 2291821AS
PROJECT ID LADEA LINDA PARK - BLDG. #2	DATE 12-28-21
PROJECT LOCATION 32201 FORRESTAL DR RANCHO PALOS VERDE	PAGE 1 OF 3
INSPECTOR J. HULAN L. MORENO	

GRP. NO.	SAMP. NO.	MATERIAL DESCRIPTION	LOCATION OF SAMPLE	QTY	*COND
81	01	WHITE/GREY	Exterior - S.W end	6,791#	
↓	02	TRANSITE	Exterior - S.E end	↓	
↓	03	WALL PANELS	Exterior - N.E end	↓	
02	04	WHITE	MP Room - West end	2,088#	
↓	05	DRYWALL	MP Room - S.E end	↓	
↓	06	↓	Breakroom - East end	↓	
03	07	WHITE	MP Room - West end	2,088#	
↓	08	JOINT	MP Room - S.E end	↓	
↓	09	COMPOUND	Breakroom - East end	↓	
04	10	4" IL	MP Room - West end	1,210#	
↓	11	BLACK	MP Room - S.E end	↓	
↓	12	COVE BASE	Breakroom - East end	↓	
05	13	BROWN	MP Room - West end	1,210#	
↓	14	COVE BASE	MP Room - S.E end	↓	
↓	15	MASTIC	Breakroom - East end	↓	
06	16	TAN/GREEN	MP Room - West end	3,790#	
↓	17	12X12	MP Room - South end	↓	
↓	18	FLOOR TILE	Front office - East end	↓	
07	19	BLACK	MP Room - West end	3,790#	
↓	20	FLOOR TILE	MP Room - South end	↓	
↓	21	MASTIC	Front office - East end	↓	

\*Condition G-Good D-Damaged SD-Significantly Damaged Additional Notes:



# ENVIRONMENTAL CONSULTING SERVICES, INC.

## Bulk Sampling Form

☐ Stop at First Positive ☒ 24 Hour turn around ☐ Rush turn around (4 Hours)  
☒ Do Not Layer Samples

CLIENT <i>CITY OF RANCHO PALOS VERDE</i>	PROJECT NO. <i>229182125</i>	
PROJECT ID <i>LADERA LINDA PARK BUILDING #2</i>	DATE <i>12-28-21</i>	PAGE <i>2</i> OF <i>3</i>
PROJECT LOCATION <i>32201 FORRESTAL DR RANCHO PALOS VERDE</i>		INSPECTOR <i>S. NOLAN L. MORENO</i>

GRP. NO.	SAMP. NO.	MATERIAL DESCRIPTION	LOCATION OF SAMPLE	QTY	*COND
08	22	YELLOW	office 1 - N.E. end	600#	
↓	23	CARPET	office 2 - S.E. end	↓	
↓	24	GLUE	office 2 - N.W. end	↓	
09	25	2 x 4	closet - S.W. end	3,790#	
↓	26	WHITE	MP Room - Center	↓	
↓	27	CEILING TILE	Front office - N.E. end	↓	
10	28	YELLOW	closet - S.W. end	3,790#	
↓	29	INSULATION	MP Room - Center	↓	
↓	30	↓	Front office - N.E. end	↓	
11	31	WHITE/GREY	Exterior - S.W. end	100#	
↓	32	WINDOW	Exterior - N.W. end	↓	
↓	33	CAULKING	Exterior - N.E. end	↓	
12	34	GREY	Roof - East end	3,790#	
↓	35	ROLLED	Roof - Center	↓	
↓	36	ROOFING	Roof - S.W. end	↓	
13	37	BLACK	Roof - East end	3,790#	
↓	38	ROOF	Roof - Center	↓	
↓	39	FELT	Roof - S.W. end	↓	
14	40	BROWN	Roof - East end	3,790#	
↓	41	ROOF	Roof - Center	↓	
↓	42	INSULATION	Roof - S.W. end	↓	

\*Condition G-Good D-Damaged SD-Significantly Damaged Additional Notes:



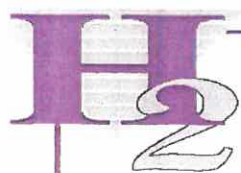
## Bulk Sampling Form

☐ Stop at First Positive ☒ 24 Hour turn around ☐ Rush turn around (4 Hours)  
☒ Do Not Layer Samples

[illegible]

\*Condition G-Good D-Damaged SD-Significantly Damaged Additional Notes:





H2 Environmental Consulting Services, Inc.  
13122 6<sup>th</sup> Street  
Chino, CA 91710-9008  
Office: 909-628-0369 Fax: 909-613-5845

# LEAD XRF SURVEY RESULTS

Client Name: <i>City of Rancho Palos Verdes</i>	Project Number: <i>229182125</i>
Project Name: <i>Ledera Linda Community Center</i>	Inspector (s): <i>S. Hulman / K. Moreno</i>
Project Location / Address: <i>32201 Forrester Dr, Rancho Palos Verdes Cde</i>	Date: <i>12/28/21</i>

The list materials and their components where Lead Based Paint (LBP) was detected at or in excess of the HUD/EPA standards of 1.0 mg/cm<sup>2</sup> (Los Angeles County has established a more stringent standard for lead-based paint at 0.7mg/cm<sup>2</sup>) by XRF method which is listed in the table below. All XRF readings below the regulatory defined action level are considered negative and all readings at and above these levels are considered positive.

Shot #	Unit	Room Tested	Wall	Color	Component	Substrate	Quantity	Paint Condition	Result	Neg/Pos
1	<i>Building</i>	<i>Exterior</i>	<i>E</i>	<i>white</i>	<i>wall</i>	<i>wood</i>	<i>500#</i>	<i>Intact</i>	<i>0.0</i>	<input checked="" type="radio"/> N / <input type="radio"/> P
2	<i>#2</i>		<i>E</i>	<i>white</i>	<i>Door</i>	<i>wood</i>	<i>2 each</i>		<i>0.0</i>	<input checked="" type="radio"/> N / <input type="radio"/> P
3			<i>E</i>	<i>white</i>	<i>Door frame</i>	<i>wood</i>	<i>2 each</i>		<i>0.0</i>	<input checked="" type="radio"/> N / <input type="radio"/> P
4			<i>N</i>	<i>Blue</i>	<i>Door</i>	<i>metal</i>	<i>1 each</i>		<i>0.1</i>	<input checked="" type="radio"/> N / <input type="radio"/> P
5			<i>N</i>	<i>Silver</i>	<i>Door frame</i>	<i>metal</i>	<i>1 each</i>		<i>0.0</i>	<input checked="" type="radio"/> N / <input type="radio"/> P
6			<i>N</i>	<i>yellow</i>	<i>Floor Line</i>	<i>Concrete</i>	<i>1 each</i>		<i>0.1</i>	<input checked="" type="radio"/> N / <input type="radio"/> P
7			<i>N</i>	<i>Tan</i>	<i>Window</i>	<i>metal</i>	<i>1 each</i>		<i>0.0</i>	<input checked="" type="radio"/> N / <input type="radio"/> P
8			<i>N</i>	<i>Silver</i>	<i>Window frame</i>	<i>metal</i>	<i>1 each</i>		<i>0.0</i>	<input checked="" type="radio"/> N / <input type="radio"/> P
9			<i>N</i>	<i>yellow</i>	<i>Floor Line</i>	<i>Concrete</i>	<i>1 each</i>		<i>0.1</i>	<input checked="" type="radio"/> N / <input type="radio"/> P
10			<i>N</i>	<i>Blue</i>	<i>Door</i>	<i>metal</i>	<i>1 each</i>		<i>0.0</i>	<input checked="" type="radio"/> N / <input type="radio"/> P
11			<i>N</i>	<i>Silver</i>	<i>Door frame</i>	<i>metal</i>	<i>1 each</i>		<i>0.0</i>	<input checked="" type="radio"/> N / <input type="radio"/> P
12			<i>N</i>	<i>yellow</i>	<i>Floor Line</i>	<i>Concrete</i>	<i>1 each</i>		<i>0.3</i>	<input checked="" type="radio"/> N / <input type="radio"/> P
13			<i>N</i>	<i>yellow</i>	<i>Floor Line</i>	<i>Concrete</i>	<i>1 each</i>		<i>0.0</i>	<input checked="" type="radio"/> N / <input type="radio"/> P
14			<i>N</i>	<i>Tan</i>	<i>Wall Panel</i>	<i>Transite</i>	<i>6,791#</i>		<i>0.0</i>	<input checked="" type="radio"/> N / <input type="radio"/> P
15			<i>N</i>	<i>white</i>	<i>Soffit Panel</i>	<i>metal</i>	<i>1,000#</i>		<i>0.0</i>	<input checked="" type="radio"/> N / <input type="radio"/> P
16			<i>N</i>	<i>Blue</i>	<i>Fuscia</i>	<i>metal</i>	<i>1,000#</i>		<i>0.0</i>	<input checked="" type="radio"/> N / <input type="radio"/> P





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# LEAD XRF SURVEY RESULTS

Client Name: <i>City of Rancho Palos Verde</i>	Project Number: <i>229182105</i>
Project Name: <i>Ledera Linda Community Center</i>	Inspector (s): <i>S. Hulan / K. Alvarado</i>
Project Location / Address: <i>32201 Forestal Dr, Rancho Palos Verdes CA</i>	Date: <i>12/28/21</i>

The list materials and their components where Lead Based Paint (LBP) was detected at or in excess of the HUD/EPA standards of 1.0 mg/cm<sup>2</sup> (Los Angeles County has established a more stringent standard for lead-based paint at 0.7mg/cm<sup>2</sup>) by XRF method which is listed in the table below. All XRF readings below the regulatory defined action level are considered negative and all readings at and above these levels are considered positive.

Shot #	Unit	Room Tested	Wall	Color	Component	Substrate	Quantity	Paint Condition	Result	Neg/Pos
17	<i>Building</i>	<i>Extension</i>	<i>N</i>	<i>Tan</i>	<i>Flashing</i>	<i>Metal</i>	<i>1,000#</i>	<i>Intact</i>	<i>0.1</i>	<i>N/P</i>
18	<i>#2</i>	<i>MPRoom</i>	<i>E</i>	<i>white</i>	<i>Sink</i>	<i>Ceramic</i>	<i>1each</i>		<i>0.0</i>	<i>N/P</i>
19			<i>E</i>	<i>white</i>	<i>Wall</i>	<i>Drywall</i>	<i>2,088#</i>		<i>0.0</i>	<i>N/P</i>
20			<i>W</i>	<i>white</i>	<i>Wall Panel</i>	<i>Transite</i>	<i>37,900#</i>		<i>0.0</i>	<i>N/P</i>
21		<i>Restroom 1</i>	<i>N</i>	<i>white</i>	<i>Door</i>	<i>wood</i>	<i>1each</i>		<i>0.0</i>	<i>N/P</i>
22			<i>N</i>	<i>white</i>	<i>Door frame</i>	<i>wood</i>	<i>1each</i>		<i>0.1</i>	<i>N/P</i>
23			<i>E</i>	<i>white</i>	<i>Sink</i>	<i>Ceramic</i>	<i>1each</i>		<i>0.0</i>	<i>N/P</i>
24			<i>S</i>	<i>white</i>	<i>Wall Panel</i>	<i>Transite</i>	<i>6,791#</i>		<i>0.0</i>	<i>N/P</i>
25			<i>W</i>	<i>white</i>	<i>Toilet</i>	<i>Ceramic</i>	<i>1each</i>		<i>0.0</i>	<i>N/P</i>
26		<i>Exterior</i>	<i>N</i>	<i>Blue</i>	<i>Wall</i>	<i>Wood</i>	<i>200#</i>		<i>0.1</i>	<i>N/P</i>
27			<i>N</i>	<i>Blue</i>	<i>Rain Gutter</i>	<i>Metal</i>	<i>300#</i>		<i>0.0</i>	<i>N/P</i>
										<i>N/P</i>
										<i>N/P</i>
										<i>N/P</i>
										<i>N/P</i>
										<i>N/P</i>



#322200060



## EMSL Analytical, dba LA Testing

• EMSL - 2235 Polvorosa Boulevard, Suite 230, San Leandro, CA 94577

• LA Testing - 159 Pasadena Avenue, S. Pasadena, CA 91030

• LA Testing - 10772 Noel Street, Los Alamitos, CA 90720

## CHAIN OF CUSTODY

## EMSL Rep:

Company:

Contact:

Address:

City &amp; State:

Phone:

☒ Email Results

Project Name or

Number:

H2 Environmental Consulting Services

13122 6<sup>th</sup> Street

Chino, CA

Zip 91710

909-628-0369

labresults@h2env.com

City of Rancho Palos Verdes

2291821 AS

## Third Party Billing

LA Testing-Bill to:

Contact:

Address:

City &amp; State:

Fax:

☐ Fax results

Purchase Order

Number:

\*requires written authorization from third party

32H2ENV50

Amy DeSantiago

13122 6<sup>th</sup> st

Chino, Ca

Zip 91710

## TURNAROUND TIME

☐ 3 Hours☐ 6 Hours☐ 12 Hours☒ 24 Hours☐ 48 Hours☐ 72 Hours☐ 4 Days☐ 5 Days☐ 6-10 Days

## SAMPLE MATRIX

☐ Air☒ Bulk☐ Soil☐ Wipe☐ Micro-Vac☐ Drinking Water☐ Wastewater☐ Chips☐ Other

## ASBESTOS ANALYSIS

## PCM - Air

☐ NIOSH 7400 (A) Issue 2: August 1994☐ OSHA w/TWA

## TEM AIR

☐ AHERA 40 CFR, Part 763 Subpart E☐ NIOSH 7402 Issue 2☐ EPA Level II

## PLM - Bulk

☒ EPA 600/R-93/116☐ NY Stratified Point CountCARB 435 Level: ☐ A ☐ B ☐ C ☐ D ☐ E☐ NIOSH 9002☐ PLM NOB (Gravimetric) NYS 198.1☐ EPA Point Count (400 Points)☐ EPA Point Count (1,000 Points)☐ Standard Addition Point Count

## SOILS

EPA Protocol ☐ Qualitative ☐ QuantitativeCARB 435 Level: ☐ A ☐ B ☐ C ☐ D ☐ E☐ EMSL MSD 9000 Method fibers/gram☐ Superfund EPA 540-R097-028 (dust generation)

## TEM BULK

☐ Drop Mount (Qualitative)☐ Chatfield SOP-1988-02☐ TEM NOB (Gravimetric) NY 198.4

## TEM MICROVAC

☐ ASTM D 5755-95 (Quantitative)

## TEM WIPE

☐ ASTM D-6480-99☐ Qualitative ☐

## TEM WATER

☐ EPA 100.1☐ EPA 100.2☐ NYS 198.2

OTHER:

## LEAD ANALYSIS

## Flame Atomic Absorption

☐ Wipe, SW846-7420 ☐ ASTM ☐ non ASTM☐ Soil, SW846-7420☐ Air, NIOSH 7082☐ Chips, SW846-7420 or AOAC 5.009 (974.02)☐ Wastewater, SW 846-7420☐ TTLC LEAD☐ STLC LEAD☐ TCLP LEAD SW846-1311/7420

## Graphite Furnace Atomic Absorption

☐ Air, NIOSH 7105☐ Wastewater, SW846-7421☐ Soil, SW846-7421☐ Drinking Water, EPA 239.2

## ICP - Inductively Coupled Plasma

☐ Wipe, SW846-6010 ☐ ASTM ☐ non ASTM☐ Soil, SW846-6010☐ Air, NIOSH 7300

## MATERIALS ANALYSIS

☐ Full Particle Identification☐ Optical Particle Identification☐ Dust Mites and Insect Fragments☐ Particle Size & Distribution☐ Product Comparison☐ Paint Characterization☐ Failure Analysis☐ Corrosion Analysis☐ Glove Box Containment Study☐ Petrographic Examination of Concrete☐ Portland Cement in Workplace Atmospheres (OSHA ID-143)☐ Man Made Vitreous Fibers - MMVF's☐ Synthetic Fiber Identification☐ Other:

## MICROBIAL ANALYSIS

## Air Samples

☐ Mold & Fungi by Air O Cell☐ Mold & Fungi by Agar Plate count & id☐ Bacterial Count and Gram Stain☐ Bacterial Count and Identification

## Water Samples

☐ Total Coliforms, Fecal Coliforms☐ Escherichia Coli, Fecal Streptococcus☐ Legionella☐ Salmonella☐ Giardia and Cryptosporidium

## Wipe and Bulk Samples

☐ Mold & Fungi - Direct Examination☐ Mold & Fungi - (Culture follow up to direct examination if necessary)☐ Mold & Fungi - Culture (Count & ID)☐ Mold & Fungi - Culture (Count only)☐ Bacterial Count & Gram Stain☐ Bacterial Count & Identification☐ (3 most prominent types)☐ Other:

## IAQ ANALYSIS

☐ Nuisance Dust (NIOSH 0500 & 0600)☐ Airborne Dust (PM10, TSP)☐ Silica Analysis by XRD ☐ Niosh 7500☐ HVAC Efficiency☐ Carbon Black☐ Airborne Oil Mist☐ Other:

Client Sample # (S)

01-01

21-63

TOTAL SAMPLE #

63 Peral

Relinquished:

Date:

2/20/21

Time:

5:30pm





# ENVIRONMENTAL CONSULTING SERVICES, INC.

## Bulk Sampling Form

☐ Stop at First Positive ☒ 24 Hour turn around ☐ Rush turn around (4 Hours)  
X Do Not Layer Samples

CLIENT <i>City of Rancho Palos Verde</i>			PROJECT NO. <i>2291821 AS</i>		
PROJECT ID <i>Ladera Linda Community Center - Bldg. 3</i>			DATE <i>12/29/21</i>	PAGE <i>1</i> OF <i>3</i>	
PROJECT LOCATION <i>32201 Forrestal Dr, Rancho Palos Verde CA</i>			INSPECTOR <i>S. Hulan / L. Moreno</i>		
GRP. NO.	SAMP. NO.	MATERIAL DESCRIPTION	LOCATION OF SAMPLE	QTY	*COND
01	01	white Grey Transite panels	Exterior - N.E. end	6,791 <sup>1</sup> / <sub>2</sub>	
↓	02	↓	Exterior - North end	↓	
↓	03	↓	Exterior - S.W. end	↓	
02	04	white Grey Caulking	Exterior - N.E. end	200 <sup>1</sup> / <sub>2</sub>	
↓	05	↓	Exterior - North end	↓	
↓	06	↓	Exterior - N.W. end	↓	
03	07	white Drywall	Class 1 - N.W. end	1,000 <sup>1</sup> / <sub>2</sub>	
↓	08	↓	Restroom 1 - N.E. end	↓	
↓	09	↓	Restroom 1 - S.E. end	↓	
04	10	white Joint Compound	Class 1 - N.W. end	1,000 <sup>1</sup> / <sub>2</sub>	
↓	11	↓	Restroom 1 - N.E. end	↓	
↓	12	↓	Restroom 2 - S.E. end	↓	
05	13	4" Black Corebase	Class 1 - S.E. end	1,500 <sup>1</sup> / <sub>2</sub>	
↓	14	↓	Class 2 - N.E. end	↓	
↓	15	↓	Class 3 - S.W. end	↓	
06	16	Yellow Brown mastic	Class 1 - S.E. end	1,500 <sup>1</sup> / <sub>2</sub>	
↓	17	↓	Class 2 - N.E. end	↓	
↓	18	↓	Class 3 - S.W. end	↓	
07	19	12"x12" Blue / Light Blue floor tile	Class 1 - S.W. end	1,200 <sup>1</sup> / <sub>2</sub>	
↓	20	↓	Class 1 - N.W. end	↓	
↓	21	↓	Class 3 - West end	↓	

\*Condition G-Good D-Damaged SD-Significantly Damaged Additional Notes:

• Assume mirror mastic / Assume ACAT old Heater Fence



# ENVIRONMENTAL CONSULTING SERVICES, INC.

## Bulk Sampling Form

☐ Stop at First Positive ☒ 24 Hour turn around ☐ Rush turn around (4 Hours)  
X Do Not Layer Samples

CLIENT <i>City of Rancho Palos Verde</i>			PROJECT NO. <i>2291821 AS</i>		
PROJECT ID <i>Ladera Linda Community Center - Bldg. 3</i>			DATE <i>12/29/21</i>	PAGE <i>2</i> OF <i>3</i>	
PROJECT LOCATION <i>32201 Forrester Dr, Rancho Palos Verdes CA</i>			INSPECTOR <i>S. Hulan / L. Alarcon</i>		
GRP. NO.	SAMP. NO.	MATERIAL DESCRIPTION	LOCATION OF SAMPLE	QTY	*COND
08	22	yellow Glue	class 2 - S.W end	1,200p	
↓	23	↓	class 2 - N.W end	↓	
	24	↓	class 3 - West end	↓	
09	25	12"X12" Tan Brown floor	Restroom 1 - North end	300p	
↓	26	↓ tile	Restroom 1 - S.W end	↓	
↓	27	↓	Restroom 1 - S.E end	↓	
10	28	yellow Glue	Restroom 1 - North end	300p	
↓	29	↓	Restroom 1 - S.W end	↓	
↓	30	↓	Restroom 1 - S.E end	↓	
11	31	12"X12" offwhite Tan	class 2 - N.E end	40p	
↓	32	↓ floor tile	class 2 - N.W end	↓	
↓	33	↓	class 2 - S.E end	↓	
12	34	yellow Glue	class 2 - N.E end	40p	
↓	35	↓	class 2 - N.W end	↓	
↓	36	↓	class 2 - S.E end	↓	
13	37	yellow Glue under	class 2 - South end	300p	
↓	38	↓ Tan Carpet	class 2 - West end	↓	
↓	39	↓	class 2 - East end	↓	
14	40	yellow Glue under	class 3 - S.W end	300p	
↓	41	↓ Peach Carpet	class 3 - East end	↓	
↓	42	↓	class 3 - N.W end	↓	

\*Condition G-Good D-Damaged SD-Significantly Damaged Additional Notes:





# ENVIRONMENTAL CONSULTING SERVICES, INC.

## Bulk Sampling Form

☐ Stop at First Positive ☒ X 24 Hour turn around ☐ Rush turn around (4 Hours)  
X Do Not Layer Samples

CLIENT <i>City of Rancho Palos Verde</i>	PROJECT NO. <i>2291821 AS</i>
PROJECT ID <i>Ladera Linda Community Center Bldg-3</i>	DATE <i>12/29/12</i>
PROJECT LOCATION <i>32201 Forestal Dr, Rancho Palos Verdes CA</i>	INSPECTOR <i>S. Stulan / R. Alvarado</i>
PAGE <i>3</i>	OF <i>3</i>

GRP. NO.	SAMP. NO.	MATERIAL DESCRIPTION	LOCATION OF SAMPLE	QTY	*COND
15	43	Yellow Ceiling	class 2- East end	1,200 <sup>sf</sup>	
↓	44	↓ Insulation	class 2- Center	↓	
↓	45	↓	class 3- East end	↓	
16	46	Grey Rolled roof	Roof- S.E end	3,790 <sup>sf</sup>	
↓	47	↓ Top Layer	Roof- Center	↓	
↓	48	↓	Roof- N.W end	↓	
17	49	Black roof felt	Roof- S.E end	3,790 <sup>sf</sup>	
↓	50	↓ 2nd Layer	Roof- Center	↓	
↓	51	↓	Roof- N.W end	↓	
18	52	Brown Insulation	Roof- S.E end	3,790 <sup>sf</sup>	
↓	53	↓ Last Layer	Roof- Center	↓	
↓	54	↓	Roof- N.W end	↓	
19	55	Black roof mastic	Roof- N.E end	100 <sup>sf</sup>	
↓	56	↓	Roof- West end	↓	
↓	57	↓	Roof- N.W end	↓	
20	58	Grey white roof	Roof- N.E end	100 <sup>sf</sup>	
↓	59	↓ Caulking	Roof- West end	↓	
↓	60	↓	Roof- N.W end	↓	

\*Condition G-Good D-Damaged SD-Significantly Damaged Additional Notes:

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## LEAD XRF SURVEY RESULTS

Client Name: <i>City of Rancho Palos Verdes</i>	Project Number: <i>2291821 AS</i>
Project Name: <i>Ladera Linda Community Center - Building 3</i>	Inspector (s): <i>S. Hulman / R. Moreno</i>
Project Location / Address: <i>32201 Forrestal Dr, Rancho Palos Verdes CA</i>	Date: <i>12/29/21</i>

The list materials and their components where Lead Based Paint (LBP) was detected at or in excess of the HUD/EPA standards of 1.0 mg/cm<sup>2</sup> (Los Angeles County has established a more stringent standard for lead-based paint at 0.7mg/cm<sup>2</sup>) by XRF method which is listed in the table below. All XRF readings below the regulatory defined action level are considered negative and all readings at and above these levels are considered positive.

Shot #	Unit	Room Tested	Wall	Color	Component	Substrate	Quantity	Paint Condition	Result	Neg/Pos
1	<i>Building #3</i>	<i>Exterior</i>	<i>N</i>	<i>Blue</i>	<i>Rain Gutter</i>	<i>metal</i>	<i>200#</i>	<i>Intact</i>	<i>0.0</i>	<i>(N) P</i>
2			<i>N</i>	<i>Blue</i>	<i>Fascia</i>	<i>metal</i>	<i>200#</i>		<i>0.0</i>	<i>(N) P</i>
3			<i>N</i>	<i>White</i>	<i>Ceiling Soff</i>	<i>metal</i>	<i>200#</i>		<i>0.1</i>	<i>(N) P</i>
4			<i>N</i>	<i>Blue</i>	<i>Door</i>	<i>metal</i>	<i>leach</i>		<i>0.0</i>	<i>(N) P</i>
5			<i>N</i>	<i>Silver</i>	<i>Door frame</i>	<i>metal</i>	<i>leach</i>		<i>0.1</i>	<i>(N) P</i>
6			<i>N</i>	<i>Blue</i>	<i>Door</i>	<i>metal</i>	<i>leach</i>		<i>0.0</i>	<i>(N) P</i>
7			<i>N</i>	<i>Silver</i>	<i>Door frame</i>	<i>metal</i>	<i>leach</i>		<i>0.0</i>	<i>(N) P</i>
8			<i>N</i>	<i>yellow</i>	<i>Floor Line</i>	<i>Concrete</i>	<i>20#</i>		<i>0.3</i>	<i>(N) P</i>
9			<i>N</i>	<i>White</i>	<i>Drinking Fountain</i>	<i>Concrete</i>	<i>leach</i>		<i>5.6</i>	<i>(N) P</i>
10			<i>N</i>	<i>Tan</i>	<i>Wall Panel</i>	<i>Transite</i>	<i>6,970#</i>		<i>0.0</i>	<i>(N) P</i>
11			<i>N</i>	<i>Blue</i>	<i>Door</i>	<i>metal</i>	<i>leach</i>		<i>0.0</i>	<i>(N) P</i>
12			<i>N</i>	<i>Silver</i>	<i>Door frame</i>	<i>metal</i>	<i>leach</i>		<i>0.0</i>	<i>(N) P</i>
13			<i>N</i>	<i>yellow</i>	<i>Floor Line</i>	<i>Concrete</i>	<i>20#</i>		<i>0.0</i>	<i>(N) P</i>
14			<i>N</i>	<i>white</i>	<i>Ceiling Soff</i>	<i>metal</i>	<i>200#</i>		<i>0.0</i>	<i>(N) P</i>
15			<i>N</i>	<i>Tan</i>	<i>Rain Gutter</i>	<i>metal</i>	<i>200#</i>		<i>0.1</i>	<i>(N) P</i>
16			<i>N</i>	<i>Tan</i>	<i>Wall Panel</i>	<i>Transite</i>	<i>6,920#</i>		<i>0.0</i>	<i>(N) P</i>



H2 Environmental Consulting Services, Inc.  
13122 6<sup>th</sup> Street  
Chino, CA 91710-9008  
Office: 909-628-0369 Fax: 909-613-5845

## LEAD XRF SURVEY RESULTS

Client Name: <i>City of Rancho Palos Verdes</i>	Project Number: <i>2291821 AS</i>
Project Name: <i>Ladera Linda Community Center - Building 3</i>	Inspector (s): <i>S. Hulan / L. Moreno</i>
Project Location / Address: <i>32201 Forrestal Dr, Rancho Palos Verdes CA</i>	Date: <i>12/29/21</i>

The list materials and their components where Lead Based Paint (LBP) was detected at or in excess of the HUD/EPA standards of 1.0 mg/cm<sup>2</sup> (Los Angeles County has established a more stringent standard for lead-based paint at 0.7mg/cm<sup>2</sup>) by XRF method which is listed in the table below. All XRF readings below the regulatory defined action level are considered negative and all readings at and above these levels are considered positive.

Shot #	Unit	Room Tested	Wall	Color	Component	Substrate	Quantity	Paint Condition	Result	Neg/Pos
17	<i>Building #3</i>	<i>Class 1</i>	<i>E</i>	<i>Tan</i>	<i>Wall Panel</i>	<i>Transite</i>	<i>2,000#</i>	<i>Intact</i>	<i>0.0</i>	<i>N/P</i>
18			<i>N</i>	<i>Tan</i>	<i>Wall Panel</i>	<i>Transite</i>	<i>2,000#</i>		<i>0.0</i>	<i>N/P</i>
19			<i>W</i>	<i>white</i>	<i>Sink</i>	<i>Ceramic</i>	<i>1 each</i>		<i>3.5</i>	<i>N/P</i>
20		<i>Lestman 1</i>	<i>S</i>	<i>white</i>	<i>Door</i>	<i>wood</i>	<i>1 each</i>		<i>0.0</i>	<i>N/P</i>
21			<i>S</i>	<i>white</i>	<i>Door frame</i>	<i>wood</i>	<i>1 each</i>		<i>0.0</i>	<i>N/P</i>
22			<i>S</i>	<i>white</i>	<i>Toilet</i>	<i>Ceramic</i>	<i>1 each</i>		<i>5.2</i>	<i>N/P</i>
23			<i>S</i>	<i>white</i>	<i>Toilet</i>	<i>Ceramic</i>	<i>1 each</i>		<i>3.1</i>	<i>N/P</i>
24			<i>S</i>	<i>white</i>	<i>Toilet</i>	<i>Ceramic</i>	<i>1 each</i>		<i>3.3</i>	<i>N/P</i>
25			<i>N</i>	<i>white</i>	<i>Sink</i>	<i>Ceramic</i>	<i>3 each</i>		<i>5-6</i>	<i>N/P</i>
26		<i>Class 2</i>	<i>N</i>	<i>Tan</i>	<i>Wall Panel</i>	<i>Transite</i>	<i>2,000#</i>		<i>0.0</i>	<i>N/P</i>
27			<i>E</i>	<i>Tan</i>	<i>Wall Panel</i>	<i>Transite</i>	<i>2,000#</i>		<i>0.0</i>	<i>N/P</i>
28			<i>S</i>	<i>Tan</i>	<i>Wall Panel</i>	<i>Transite</i>	<i>2,000#</i>		<i>0.0</i>	<i>N/P</i>
29			<i>W</i>	<i>white</i>	<i>Sink</i>	<i>Ceramic</i>	<i>1 each</i>		<i>8.2</i>	<i>N/P</i>
30			<i>N</i>	<i>Tan</i>	<i>Wall Panel</i>	<i>Transite</i>	<i>2,000#</i>		<i>0.0</i>	<i>N/P</i>
31			<i>S</i>	<i>Tan</i>	<i>Wall Panel</i>	<i>Transite</i>	<i>2,000#</i>		<i>0.0</i>	<i>N/P</i>
32			<i>E</i>	<i>white</i>	<i>Sink</i>	<i>Ceramic</i>	<i>1 each</i>		<i>5.7</i>	<i>N/P</i>





Pg 1 of 1

### Your Contact Information

**\*If verbal results are requested, you must also select a second form of delivery.**

### Project Information

**Date Sampled:** \_\_\_\_\_ **Time Sampled:** \_\_\_\_\_

**Analytical Type(s) Requested**Gravimetric Reduction (72hr Minimum) ☐

### Turnaround Time\*

**Standard 5 Business Days**

**\*8hr TAT: Samples must be submitted by 9am for same day results**

## Asbestos-like, NIOSH 7400 A Rules

**Rotometer Calibration (Low and High Flow Rotometers)** ☐**Special instructions:**

### Sample Information

[illegible]

For more samples, please continue onto supplemental form. Page # indication in upper-right-hand of form.

## Chain of Custody

Date and Time: 1-3-2022 5:30



# ENVIRONMENTAL CONSULTING SERVICES, INC.

## Bulk Sampling Form

☐ Stop at First Positive ☒ 24 Hour turn around ☐ Rush turn around (4 Hours)  
X Do Not Layer Samples

CLIENT <i>City of Rancho Palos Verdes</i>			PROJECT NO. <i>229182115</i>		
PROJECT ID <i>Ladera Linda park, Building #4</i>			DATE <i>12-29-21</i>	PAGE <i>1</i> OF <i>3</i>	
PROJECT LOCATION <i>32201 Furness Dr Rancho Palos Verdes Ca</i>			INSPECTOR <i>S. Hulan J Ortiz</i>		
GRP. NO.	SAMP. NO.	MATERIAL DESCRIPTION	LOCATION OF SAMPLE	QTY	% POS
01	01	White Gray	CLASS I SOUTH EAST END	41914	G
↓	02	Transite panel	CLASS H NORTH END	↓	↓
↓	03	↓	CLASS G SOUTH END	↓	↓
02	04	Brown Cove	CLASS I NORTH EAST END	34014	G
↓	05	base	CLASS H South end	↓	↓
↓	06	↓	CLASS B NORTH END	↓	↓
03	07	Brown Cove base	CLASS I NORTH EAST END	34014	G
↓	08	Mastic	CLASS H NORTH END	↓	↓
↓	09	↓	CLASS G NORTH END	↓	↓
04	10	Brown Gne	CLASS H NORTH EAST END	9104	G
↓	11	under Gray	CLASS H SOUTH EAST END	↓	↓
↓	12	Carpet ↓	SOUTH WEST END	↓	↓
05	13	Brown Gne	CLASS G NORTH EAST END	9104	G
↓	14	under Green	CLASS G SOUTH WEST END	↓	↓
↓	15	Carpet ↓	CLASS G NORTH WEST END	↓	↓
06	16	Brown White	CLASS I NORTH WEST END	9304	G
↓	17	12x12 Floor tile	CLASS I NORTH EAST END	↓	↓
↓	18	↓	CLASS I SOUTH EAST END	↓	↓
07	19	yellow Floor tile	CLASS I NORTH WEST END	9304	G
↓	20	mastic	CLASS I NORTH EAST END	↓	↓
↓	21	↓	CLASS I SOUTH EAST END	↓	↓

### Notes:

Assume Acem Mastic Behind mirror 1024



# ENVIRONMENTAL CONSULTING SERVICES, INC.

## Bulk Sampling Form

☐ Stop at First Positive ☒ 24 Hour turn around ☐ Rush turn around (4 Hours)  
X Do Not Layer Samples

CLIENT <i>city of Rancho Palos Verdes</i>	PROJECT NO. <i>2291821AS</i>	
PROJECT ID <i>Santera Linda Park</i>	DATE <i>12-29-21</i>	PAGE <i>2</i> OF <i>3</i>
PROJECT LOCATION <i>32201 Forrestal Dr. Rancho Palos Verdes Ca</i>		INSPECTOR <i>S. HILLMAN JORDAN</i>

GRP. NO.	SAMP. NO.	MATERIAL DESCRIPTION	LOCATION OF SAMPLE	QTY	% POS
08	22	Gray Blue	CLASS H South EAST End	120x	G
↓	23	12x12 Floor tile	CLASS H South EAST End	↓	↓
↓	24	↓	CLASS G South EAST End	↓	↓
09	25	yellow Floor tile	CLASS H South EAST End	120x	G
↓	26	Mastic	CLASS H South EAST End	↓	↓
↓	27	↓	CLASS G South EAST End	↓	↓
10	28	yellow insulation	CLASS F South end	3820x	G
↓	29	↓	CLASS H North end	↓	↓
↓	30	↓	CLASS G South end	↓	↓
11	31	Gray Rolled Roofing	Roof South EAST End	3820x	G
↓	32	↓	↓ North End	↓	↓
↓	33	↓	↓ South WEST End	↓	↓
12	34	Black Roof Felt	Roof South EAST end	3820x	G
↓	35	↓	↓ North End	↓	↓
↓	36	↓	↓ South WEST End	↓	↓
13	37	Brown Roofing	Roof South EAST End	3820x	G
↓	38	insulation	↓ North End	↓	↓
↓	39	↓	↓ South WEST End	↓	↓
14	40	Black Gray	Roof North east end	10x	G
↓	41	Roof Mastic	↓ North End	↓	↓
↓	42	↓	↓ North WEST End	↓	↓

Notes:

*Assume Acrylic Mastic Behind Chalk Board 280x*



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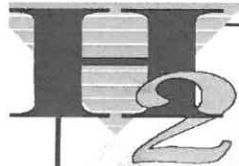
## LEAD XRF SURVEY RESULTS

Client Name: <i>City of Rancho Palos Verdes</i>	Project Number: <i>2291821AS</i>
Project Name: <i>Ladera Linda Park</i>	Inspector (s): <i>S. Hulen JOMR</i>
Project Location / Address: <i>32201 Forestal Dr Rancho Palos Verdes</i>	Date: <i>12-29-21</i>

The list materials and their components where Lead Based Paint (LBP) was detected at or in excess of the HUD/EPA standards of 1.0 mg/cm<sup>2</sup> (Los Angeles County has established a more stringent standard for lead-based paint at 0.7mg/cm<sup>2</sup>) by XRF method which is listed in the table below. All XRF readings below the regulatory defined action level are considered negative and all readings at and above these levels are considered positive.

Shot #	Unit	Room Tested	Wall	Color	Component	Substrate	Quantity	Paint Condition	Result	Neg/Pos
01	Building	CLASS I	N E W	white	Door	1 2 3 4 5 6	2 ea	Faded	0.9	N/P
02	#4		N E W	white	Wall	1 2 3 4 5 6			0.4	N/P
03			N E W	white	Ceiling	1 2 3 4 5 6			0.1	N/P
04			N E W	white	Sink	1 2 3 4 5	1 ea		0.1	N/P
05			N E W	lt. Blue	Countertop	1 2 3 4 5	1 ea		0.2	N/P
06			N E W	Bare	Cabinet	1 2 3 4 5 6	1 ea		0.2	N/P
07		class #1	N E W	Tan	Door	1 2 3 4 5 6	2 ea		0.1	N/P
08			N E W	Tan	Wall	1 2 3 4 5 6			0.1	N/P
09			N E W	white	Ceiling	1 2 3 4 5 6			0.2	N/P
10			N S E W	white	Sink	1 2 3 4 5 6	1 ea		0.1	N/P
11			N S E W	lt. Blue	Countertop	1 2 3 4 5 6	1 ea		0.1	N/P
12			N S E W	Bare	Cabinet	1 2 3 4 5 6	1 ea		0.1	N/P
13		class I	N E W	Tan	Door	1 2 3 4 5 6	1 ea		0.1	N/P
14			N E W	Tan	Wall	1 2 3 4 5 6			0.2	N/P
15			N E W	white	Ceiling	1 2 3 4 5 6			0.2	N/P
16			N S E W	lt. Blue	Wall	1 2 3 4 5 6			0.1	N/P

Substrate: 1. Metal 2. Wood 3. Ceramic 4. Drywall 5. Concrete 6. Other: *Transite panel*



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Chino, CA 91710-9008  
Office: 909-628-0369 Fax: 909-613-5845

# LEAD XRF SURVEY RESULTS

Client Name: <i>City of Rancho Palos Verdes</i>	Project Number: <i>2291021A</i>
Project Name: <i>Ladera Linda Park</i>	Inspector (s): <i>S. Hulen J &amp; PC</i>
Project Location / Address: <i>32201 Forestal Dr. Rancho Palos Verdes CA</i>	Date: <i>12-29-21</i>

The list materials and their components where Lead Based Paint (LBP) was detected at or in excess of the HUD/EPA standards of 1.0 mg/cm<sup>2</sup> (Los Angeles County has established a more stringent standard for lead-based paint at 0.7mg/cm<sup>2</sup>) by XRF method which is listed in the table below. All XRF readings below the regulatory defined action level are considered negative and all readings at and above these levels are considered positive.

Shot #	Unit	Room Tested	Wall	Color	Component	Substrate	Quantity	Paint Condition	Result	Neg/Pos
17	<i>Building 14</i>	<i>Class I</i>	<i>EAST</i>	<i>White</i>	<i>SINK</i>	<i>CERAMIC</i>	<i>1ea</i>	<i>Faded</i>	<i>0.1</i>	<i>ⓧ/P</i>
18			<i>EAST</i>	<i>lt. blue</i>	<i>COUNTER TOP</i>	<i>WOOD</i>	<i>1ea</i>		<i>0.0</i>	<i>ⓧ/P</i>
19			<i>EAST</i>	<i>BARE</i>	<i>CABINET</i>	<i>WOOD</i>	<i>1ea</i>		<i>0.0</i>	<i>ⓧ/P</i>
20		<i>EXTERIOR</i>	<i>SOUTH</i>	<i>Tan</i>	<i>Wall</i>	<i>Transite pipe</i>	<i>35104</i>		<i>0.0</i>	<i>ⓧ/P</i>
21				<i>lt. Blue</i>	<i>DOOR</i>	<i>↓</i>	<i>6ea</i>		<i>0.2</i>	<i>ⓧ/P</i>
22				<i>↓</i>	<i>Rain Gutter</i>	<i>Metal</i>	<i>1ea</i>		<i>0.2</i>	<i>ⓧ/P</i>
23				<i>Tan</i>	<i>Rain Gutter</i>	<i>Metal</i>	<i>1ea</i>		<i>0.1</i>	<i>ⓧ/P</i>
24				<i>White</i>	<i>Water Fountain</i>	<i>Ceramic</i>	<i>1ea</i>		<i>5.6</i>	<i>N/P</i>
25				<i>lt. Blue</i>	<i>FLASHING</i>	<i>Metal</i>	<i>2704</i>		<i>0.4</i>	<i>ⓧ/P</i>
26				<i>White</i>	<i>soffet</i>	<i>Metal</i>	<i>5754</i>		<i>0.2</i>	<i>ⓧ/P</i>
27			<i>West</i>	<i>White</i>	<i>Pipe</i>	<i>Metal</i>	<i>1ea</i>	<i>↓</i>	<i>0.7</i>	<i>ⓧ/P</i>
										<i>N/P</i>
										<i>N/P</i>
										<i>N/P</i>
										<i>N/P</i>
										<i>N/P</i>

*2 of 2*









# ENVIRONMENTAL CONSULTING SERVICES, INC.

## Bulk Sampling Form

☐ Stop at First Positive    ☒ 24 Hour turn around    ☐ Rush turn around (4 Hours)  
☒ Do Not Layer Samples

CLIENT <u>City of Rancho Palos Verdes</u>			PROJECT NO. <u>229182/AS</u>		
PROJECT ID <u>Ladera Linda Community Center</u> <sup>Building #5</sup>			DATE <u>12-30-21</u>	PAGE <u>1</u> OF <u>3</u>	
PROJECT LOCATION <u>32201 Forrestal Drive, Rancho Palos Verdes</u>			INSPECTOR <u>S. Hulan / L. Moreno / A. Stockwell</u>		
GRP. NO.	SAMP. NO.	MATERIAL DESCRIPTION	LOCATION OF SAMPLE	QTY	*COND
01	01	white Grey Transite	Exterior - E end		
↓	02	↓ wall panels	Class K - Interior N area		
↓	03	↓	Class J - Interior S area		
02	04	Grey Window Caulking	Exterior SW area Class L		
↓	05	↓	Exterior Class K' - SW area		
↓	06	↓	Exterior Class J - SW area		
03	07	Brown Cove Base	Class K - SW area		
↓	08	↓	Class K - N area		
↓	09	↓	Class J - SE area		
04	10	Brown Mastic	Class K - SW area		
↓	11	(behind Brown cove)	Class K - N area		
↓	12	↓	Class J - SE area		
05	13	White Tan Cove Base	Class L - SW area		
↓	14	↓	↓ SE area		
↓	15	↓	↓ NW area		
06	16	Brown mastic	Class L - SW area		
↓	17	(behind white Tan cove)	↓ SE area		
↓	18	↓	↓ NW area		
07	19	Carpet Pad Glue	Class L - SW area		
↓	20	↓	↓ SE area		
↓	21	↓	↓ NW area		

\*Condition G-Good D-Damaged SD-Significantly Damaged Additional Notes:





# ENVIRONMENTAL CONSULTING SERVICES, INC.

## Bulk Sampling Form

☐ Stop at First Positive    ☒ 24 Hour turn around    ☐ Rush turn around (4 Hours)  
☒ Do Not Layer Samples

CLIENT <u>City of Rancho Palos Verdes</u>	PROJECT NO. <u>2291821AS</u>
PROJECT ID <u>Ladera Linda Community Center</u> <small>Building #5</small>	DATE <u>12-30-21</u> PAGE <u>2</u> OF <u>3</u>
PROJECT LOCATION <u>32201 Forrestal Drive, Rancho Palos Verdes</u>	INSPECTOR <u>S. Hulan / L. Moreno / A. Stockwell</u>

GRP. NO.	SAMP. NO	MATERIAL DESCRIPTION	LOCATION OF SAMPLE	QTY	*COND
08	22	Dark Yellow Carpet Pad Mastic	Class K - SW area		
↓	23	↓	Class K - N area		
↓	24	↓	Class J - SE area		
09	25	White, Grey Floor Tile (12x12)	Class L - SW area		
↓	26	↓	Class K - SE area		
↓	27	↓	Class J - SE area		
10	28	Tile Glue	Class L - SW area		
↓	29	(under White, Grey Tile)	Class K - SE area		
↓	30		Class J - SE area		
11	31	Yellow Ceiling Insulation	Class L - SW area		
↓	32		Class K - SW area		
↓	33		Class J - SW area		
12	34	Grey Rolled Roof	Roof - SW area		
↓	35	↓	↓ N area		
↓	36	↓	↓ SE area		
13	37	Black Roof Felt	Roof - SW area		
↓	38	↓	↓ N area		
↓	39	↓	↓ SE area		
14	40	Brown Roof Insulation	Roof - SW area		
	41	↓	↓ N area		
	42	↓	↓ SE area		

\*Condition G-Good D-Damaged SD-Significantly Damaged Additional Notes:







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Office: 909-628-0369 Fax: 909-613-5845

## LEAD XRF SURVEY RESULTS

Client Name: <u>City of Rancho Palos Verdes</u>	Project Number: <u>2291821AS</u>
Project Name: <u>Ladera Linda Community Center - Building #5</u>	Inspector (s): <u>S. Hulan / L. Moreno / A. Stockwell</u>
Project Location / Address: <u>32201 Forrestal Drive, Rancho Palos Verdes CA</u>	Date: <u>12-30-21</u>

The list materials and their components where Lead Based Paint (LBP) was detected at or in excess of the HUD/EPA standards of 1.0 mg/cm<sup>2</sup> (Los Angeles County has established a more stringent standard for lead-based paint at 0.7mg/cm<sup>2</sup>) by XRF method which is listed in the table below. All XRF readings below the regulatory defined action level are considered negative and all readings at and above these levels are considered positive.

Shot #	Unit	Room Tested	Wall	Color	Component	Substrate	Quantity	Paint Condition	Result	Neg/Pos
1	Building #5	Class L	S	Blue	Door Footer	Metal		Intact	0.0	N/P
2		Class L	S	Blue	Fascia	Metal		Intact	0.0	N/P
3		Class L	S	White	Soffit	Metal		Intact	0.0	N/P
4		Class L	S	Blue	Door	Metal		Intact	-0.1	N/P
5		Class L	S	Silver	Door Frame	Metal		Intact	0.1	N/P
6		Class L	S	Silver	Window Frame	Metal		Intact	0.2	N/P
7		Class L	S	Silver	Window	Metal		Intact	0.0	N/P
8		Class L	W	White	Sink	Ceramic		Intact	42	N/P
9		Class L	W	Tan	Wall Panel	Transite		Intact	0.0	N/P
10		Class L	N	Tan	Wall Panel	Transite		Intact	0.0	N/P
11		Class L	E	Tan	Wall Panel	Transite		Disturbed	0.0	N/P
12		Class L	S	Tan	Wall Panel	Transite		Intact	0.0	N/P
13		Class L	S	White	Wall Panel	Transite		Intact	0.0	N/P
14		Class K	S	Blue	Door	Metal		Intact	0.0	N/P
15		Class K	E	White	Sink	Ceramic		Intact	36	N/P
16		Class K	W	White	Wall Panel	Transite		Intact	0.0	N/P



## **A P P E N D I C E S**

## **APPENDIX 1**

### **INSPECTOR'S CERTIFICATES**

In an effort to save paper and per some repeat clients request to reduce the size of the reports, H2 Environmental has reduced the size of the inspector's certifications to make them fit on one page. If you feel the need to receive a full size set of certifications, feel free to call our office (909) 628-0369 and request the copies you need. Thank you for your assistance in this matter.

STATE OF CALIFORNIA  
DEPARTMENT OF INDUSTRIAL RELATIONS  
Division of Occupational Safety and Health  
Asbestos Certification & Training Unit  
1700 Howe Avenue, Suite 400  
Sacramento, CA 95825  
(916) 574-2000 Office <http://www.dir.ca.gov/dosh/asbestos.htm> [asbestos@dir.ca.gov](mailto:asbestos@dir.ca.gov)

504211702C 106  
H2 Environmental Consulting Services, Inc.  
William Thomas Haley  
13122 6th Street  
Chino CA 91710-9008

April 07, 2021

Dear Certified Asbestos Consultant or Technician:

Enclosed is your certification card. To maintain your certification, you must abide by the rules printed on the back of the certification card.

Your certification is valid for a period of one year. If you wish to renew your certification, you must apply for renewal at least 60 days before the expiration date shown on your card. [8 CCR 341.150(i)(1)]

Please hold and do not send copies of your required AHERA refresher renewal certificates to our office until you apply for renewal of your certification.

Certificates must be kept current if you are actively working as a CAC or CSST. The grace period is only for those who are not actively working as an asbestos consultant or site surveillance technician.

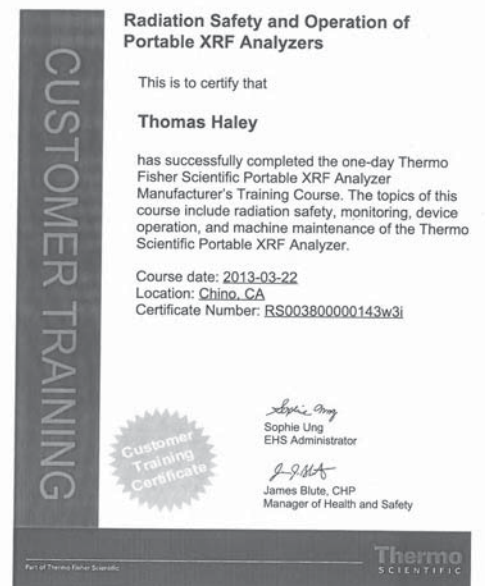
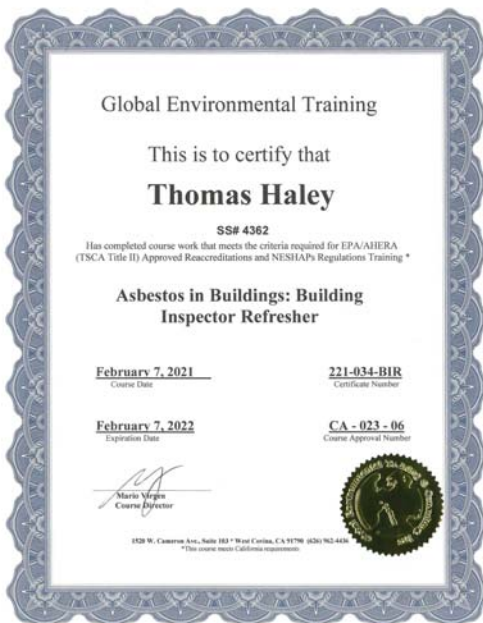
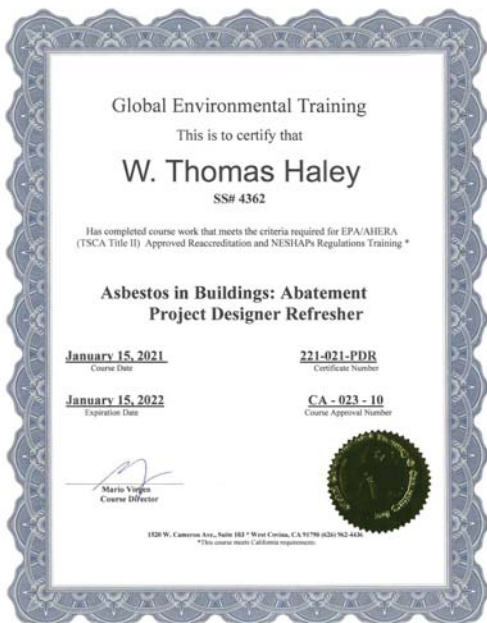
Please notify our office via U.S. Postal Service or other carrier of any changes in your mailing or work address within 15 days of the change.

Sincerely,  
  
Jeff Farrell  
Senior Safety Engineer

Attachment: Certification Card

cc: File

Revised - Card Attached (Revised 04/2020)





March 26, 2013

Thomas Haley  
H2 Environmental Consulting Services Inc  
13122 6th Street  
Chino, CA

Subject: Radiation Safety and Operation Training Certificate – Thermo Scientific Portable  
XRF Analyzers

Dear Thomas:

Congratulations on having successfully completed the Thermo Scientific Manufacturer's  
Training Course on the operation, monitoring, and maintenance of our handheld Thermo Scientific  
Portable X-ray Fluorescence (XRF) analyzers, including the Thermo Scientific Niton XL3 Series and  
Niton XL2 Series. We admire your effort in attending this course and have enclosed your certificate  
of completion. This document certifies that you have been trained in radiation safety and monitoring,  
measurement technology, and routine analyzer maintenance pertaining to the use of Thermo  
Scientific Portable XRF instruments.

Please feel free to contact us to discuss your testing and analysis needs. Our trained, technical staff  
will help you identify best practices and testing methods that can increase productivity and help save  
you time and money.

For further information or to schedule an on-site demonstration at your convenience, please call us  
at (800) 875-1578. We also invite you to visit our web site at [www.thermoscientific.com/pai](http://www.thermoscientific.com/pai). We are  
committed to solving your analysis needs.

Best regards,

*Sophie Ung*

Sophie Ung  
EHS Administrator  
Thermo Scientific Portable Analytical Instruments Inc.

Thermo Scientific  
1800 Central Expressway  
Foster City, CA 94404  
Tel: 800.875.1578  
Fax: 650.595.7000  
Email: [info@thermoscientific.com](mailto:info@thermoscientific.com)



## Certificate of Membership

This document is to certify that

**Mr. Thomas Haley**

Membership ID #: 128665

is a member in good standing and entitled to all  
rights & privileges of association membership.

Expires 09/30/2019

*Jay M. Stake*  
Jay M. Stake  
President  
Indoor Air Quality Association, Inc.

*Liz Kennedy*  
Liz Kennedy  
Executive Director  
Indoor Air Quality Association, Inc.



## American Council for Accredited Certification

hereby certifies that

**W. Thomas Haley**

has met all the specific standards and qualifications of the re-certification process,  
including continued professional development, and is hereby re-certified as a

**CIEC**

Council-certified  
Indoor Environmental Consultant

This certificate expires on April 30, 2023

*Charles F. Wiley*  
Charles F. Wiley, Executive Director

0703144  
Certificate Number

This certificate remains the property of the American Council for Accredited Certification.



## CERTIFICATE OF ATTENDANCE

This certificate is awarded to

**W. Thomas Haley**

In recognition of attendance to

**Basic AeroSeminar**

February 13, 2004

Sponsored by Aerotech Laboratories, Inc.

This course has been approved for 2.0 hours of  
Continuing Education credit for the  
Hygiene approval # 02-2004 and 10 Meter  
1 Cleaning/Restoration Credit from the CDC.

*David R. Davis*  
David R. Davis  
Executive Director  
Aerotech Laboratories, Inc.

## Certificate of Attendance



certifies that

**W. Thomas Haley**

has successfully completed the

**Basic Strategies for Conducting  
Meaningful Microbial IAQ Investigations**

2.0 IAHQ Points or 1.6 CEUs ABH Approval #12557 16 CPOs from BOMI

December 10 ~ December 11, 2003

Date

*Thomas Haley*  
Executive Director



hereby certifies that

**W. Thomas Haley, CES**

has been qualified for membership in the

**Environmental Assessment Association**

and has been admitted by its Board of Directors and declared to be a

**CES**

**Certified Environmental Specialist**

and is hereby granted this certificate

under the conditions presented in its by-laws.

Signed and sealed this 6th day of March, 2003.

*Robert E. Goffman*  
Robert E. Goffman  
Managing Director

## Certificate of Training

Thomas Haley

Has completed an awareness course in general compliance with  
29 CFR 1910.1206 and applicable provisions of 29 CFR 1910.120.

**Clandestine Methamphetamine Labs**

DeLisle Associates LTD

Porter, Michigan 48062

(248) 373-4500

Thomas E. Baecher, Instructor

Presented on this date: January 13, 2008

Course Date: January 13, 2008

Certificate Number: MIA-2013

*Thomas E. Baecher*

Thomas E. Baecher, Instructor

*Thomas E. Baecher*

Signed and presented this 13th day of March, 2003

*Robert E. Goffman*  
Robert E. Goffman  
Managing Director

and is hereby granted this certificate  
under the conditions presented in its by-laws

**CEI**

**Certified Environmental Inspector**

and has been admitted by its Board of Directors and declared to be a

**Environmental Assessment Association**

has been qualified for membership in the

**W. Thomas Haley, CEI**

hereby certifies that





**WELCOME TO SAFETY TRAINER ONLINE**  
SETTING FACILITY / SUBCONTRACTOR / ALIEN ACTIVITIES & CONSTRUCTION

**Certificate of Course Completion**

Course Completion Date: 11/01/2011 11:45 CST  
Course Title: Respiratory and Confined Spaces Hazards in the Workplace  
Certificate Number: 2132566

Student's Name: Thomas Haley  
Student's Signature: [Signature]  
# of hours approved: 1

I hereby attest that I have completed the above named course and that I am familiar with the course materials defined by Safety Trainer Online. I acknowledge that I consumed all information and took All Pertinent Quizzes and/or final tests.

**Safety Trainer Online**  
CFM Enterprise P.O. Box 117  
Chino, CA 91710  
T: 860.749.3232  
F: 860.749.3230

**IAQA-AmIAQ-IESO 2005**  
The Unification Conference

**Certificate of Attendance**

The individual named below attended the 2005 Annual Meeting & Exposition of Indoor Air Quality Association (IAQA), American Indoor Air Quality Council (AmIAQ) and Indoor Environmental Standards Organization (IESO), held jointly October 6-9, 2005 in Orlando, FL. The meeting included more than 20 hours of educational content.

Presented to

**W. Thomas Haley**

To verify the authenticity of this document, please contact the Indoor Air Quality Association (IAQA) at (301) 231-8388, or iaqa@aiaql.com

**ENVIRONMENTAL CONSULTING SERVICES, INC.**

**Qualitative Fit Test**

Employee Name: W. Thomas Haley SSN: 4362  
Employee Signature: [Signature] Date: 9/18/2020  
Location: 13122 6th Street, Chino, CA 91710

**Respirator Specifications:**

Brand: ☒ North ☐ 3M ☐ Other: \_\_\_\_\_  
Size: ☐ S ☐ M ☒ L  
Type: ☒ 1/2 Face ☐ Full Face ☐ PAPR  
Model: ☒ 7700 Series ☐ Other: \_\_\_\_\_

**Test Results:**

Negative Pressure Test: ☒ Pass ☐ Fail  
Positive Pressure Test: ☒ Pass ☐ Fail  
Irritant Smoke Test: ☒ Pass ☐ Fail

☒ Passed Fit Test  
☐ Failed Fit Test

☒ Medical Surveillance: The employer shall establish and maintain an accurate record for each employee subject to medical surveillance in accordance with section 3204 of the General Industry Safety Orders

Trainer Name: Alberto Sanchez  
Trainer Signature: [Signature] Date: 9/18/20

13122 6th Street • Chino, CA 91710  
(909) 628-0369 • Fax (909) 613-5845 • H2Environmental.com

**Indoor Air Quality Association Inc.**

**Certificate of Attendance**

The individual named below attended the 2007 Annual Meeting & Exposition of the Indoor Air Quality Association, held October 14 - October 17, 2007 in Las Vegas, NV.

Presented to

**Thomas Haley**

Glenn Fellman, Executive Director  
Robert G. Baker, President





208131947 242 244

H2 Environmental Consulting Services, Inc.  
Stephen Hulan  
13122 6th St  
Chino CA 91710

October 28, 2020

Dear Certified Asbestos Consultant or Technician:

Enclosed is your certification card. To maintain your certification, you must abide by the rules printed on the back of the certification card.

Your certification is valid for a period of one year. If you wish to renew your certification, you must apply for renewal at least 60 days before the expiration date shown on your card. [8 CCR 341.15(h)(1)]

Please hold and do not send copies of your required AHERA refresher renewal certificates to our office until you apply for renewal of your certification.

Certificates must be kept current if you are actively working as a CAC or CSST. The grace period is only for those who are not actively working as an asbestos consultant or site surveillance technician.

Please notify our office via U.S. Postal Service or other carrier of any changes in your mailing or work address within 15 days of the change.

Sincerely,

Jeff Ferrell  
Senior Safety Engineer

Attachment: Certification Card

cc: File



Renewed - Card Attached (Renewed 06/2022)

## Global Environmental Training

This is to certify that  
**Stephen Hulan**

SS# 0976

Has completed course work that meets the criteria required for EPA/AHERA (TSCA Title II) Approved Recertification and NESHAPs Regulations Training \*

**Asbestos in Buildings: Building  
Inspector Refresher**

February 7, 2021  
Course Date

221-033-BIR  
Certificate Number

February 7, 2022  
Expiration Date

CA - 023 - 06  
Course Approval Number

Mario Vargas  
Course Director

1520 W. Calaveras Ave., Suite 103 • West Covina, CA 91790 (926) 762-4436  
\*This course meets California requirements



STATE OF CALIFORNIA  
DEPARTMENT OF PUBLIC HEALTH  
**LEAD-RELATED CONSTRUCTION CERTIFICATE**

INDIVIDUAL: CERTIFICATE TYPE: Lead Sampling Technician NUMBER: LRC-0000018 EXPIRATION DATE: 7/2/2022

Stephen Hulan

Disclaimer: This document alone should not be relied upon to confirm certification status. Compare the individual's photo and name to another valid form of government issued photo identification. Verify the individual's certification status by searching for Lead-Related Construction Professionals at [www.cdph.ca.gov/Programs/CID/DCDC/Pages/Immunization/Lead/Lead-Related-Construction-Professionals.aspx](http://www.cdph.ca.gov/Programs/CID/DCDC/Pages/Immunization/Lead/Lead-Related-Construction-Professionals.aspx) or calling (800) 997-LEAD.

H2 Environmental Consulting Services, Inc.

This is to certify that  
**STEPHEN HULAN**  
HAS SUCCESSFULLY COMPLETED A  
**NIOSH 562 EQUIVILANCY COURSE**

The course included: Airborne Fiber Sampling, Temperature & Pressure Corrections of Air Sample Flow Rates, Calibration & Alignment of Optical Microscopy, Evaluation of Air Sampling Data and NIOSH Method 7400 Fiber Counting Rules

ON  
**June 5, 2002**  
Course Date  
**630702**  
Certificate Number

W. Thomas Haley  
REA, CAC # 95-1702

5370 Schaefer Avenue, Suite 81, Chino, CA 91710 Phone (909) 628-0369 Fax (909) 613-5845

U.S. HealthWorks MEDICAL GROUP MEDICAL RECOMMENDATIONS FOR USE OF RESPIRATORY PROTECTIVE EQUIPMENT

Applicant/Employee: Hulan, Stephen Age 48  
Position Title: \_\_\_\_\_  
Date of Evaluation: \_\_\_\_\_ Company: H2  
Contact: \_\_\_\_\_ Contact Telephone: \_\_\_\_\_  
Evaluation Content: ☒ Questionnaire ☒ Physical ☒ PFT ☐ X-Ray Other: \_\_\_\_\_

Based on the elements indicated above, I have evaluated the aforementioned person in accordance with the provisions of OSHA 29 CFR 1910.134, applicable to the use of respiratory protective equipment, and I hereby certify that he/she is: (Check all that apply)  
☒ Medically qualified for unrestricted use of the following respiratory protective devices:  
CATEGORY I: Self-Contained; Air-Supplied (Continuous Flow; Demand and Pressure Demand); Canister Mask; Chemical Cartridge and Mechanical Filter with and without Blower.  
☐ Medically qualified for restricted use of respiratory protective devices as indicated below:  

CATEGORY I	CATEGORY II
Self-Contained	Self-Contained
Air-Supplied	Air-Supplied
Continuous Flow	Continuous Flow
Demand	Demand
Pressure Demand	Pressure Demand
Canister Mask	Canister Mask
Chemical Cartridge	Chemical Cartridge
Mechanical Filter	Mechanical Filter
Mechanical Filter w/ Blower	Mechanical Filter w/ Blower
Unlimited	Unlimited

  
☐ In need of the following additional evaluation to assess qualification:  
☐ In need of Medical Follow-Up Examinations as frequently as every: \_\_\_\_\_ to include: \_\_\_\_\_

COMMENTS:  
Fitting Considerations: ☐ Facial hair ☐ Glasses/Contact lenses ☐ Dentures/Facial deformity

I hereby certify that in accordance with OSHA 29 CFR 1910.134, applicable to the use of respiratory protective equipment, I have informed the applicant/employee of the results of his/her evaluation and I have given him/her a copy of these recommendations.

Health Care Professional: Name: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
This form complies with OSHA requirements and is for your employer and is not for the use of respirators.

675042 01/05 © U.S. HealthWorks

ETAC ENVIRONMENTAL TRAINING AND COMPLIANCE  
**CERTIFICATE OF COMPLETION**  
8 HOUR REFRESHER  
HEALTH & SAFETY TRAINING

**Stephen Hulan**

Has successfully completed the 8-Hour Refresher Health and Safety Training course, satisfying the OSHA Hazardous Waste Operations and Emergency Response Standard (HAZWOPER) (29 CFR 1910.120(a)(3)(ii)(A) and 29 CFR 1910.120(a)(3)(ii)(B)), Hazard Communication Standard: Global Hazard Communication System (HCS) (29 CFR 1910.120)

Class Date: February 7, 2019  
Expiration: February 7, 2020  
Certificate # 38268

Joseph T. Thompson, MPH

2111 W. Crescent Ave., Suite B • Anaheim, CA 92801 • Phone: 800-949-4473

Global Environmental Training

This is to certify that  
**Stephen Hulan**  
SS# 0976

Has completed course work that meets the criteria required for EPA/AHERA (TSCA Title II) Approved Recertification and NESHAPs Regulations Training \*

**Asbestos in Buildings: Abatement  
Contractor Supervisor Refresher**

February 6, 2021  
Course Date  
221-036-CSR  
Certificate Number

February 6, 2022  
Expiration Date  
CA - 023 - 04  
Course Approval Number

Mario Vargas  
Course Director

1520 W. Calaveras Ave., Suite 103 • West Covina, CA 91790 (926) 762-4436  
\*This course meets California requirements

**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT**

acknowledges by this  
**Certificate of Completion**  
that  
**STEPHEN HULAN**  
successfully completed  
the AQMD Rule 1403  
Asbestos Demolition & Renovation Activities  
Compliance Promotion Class

Jay Chen, Manager  
Toxics & Waste Management Team  
Engineering & Compliance Division

SEP 11 2003  
Date of Completion

H2 ENVIRONMENTAL  
**Qualitative Fit Test**

Employee Name: Stephen Hulan SSN: 0976  
Employee Signature: \_\_\_\_\_ Date: 09/18/19  
Location: 13122 6th Street, Chino, CA 91710

Respirator Specifications:  
Brand: ☒ North ☐ 3M ☐ Other: \_\_\_\_\_  
Size: ☐ S ☐ M ☒ L  
Type: ☒ 1/2 Face ☐ Full Face ☐ PAPR  
Model: ☒ 7700 Series ☐ Other: \_\_\_\_\_


Test Results:  
Negative Pressure Test: ☒ Pass ☐ Fail  
Positive Pressure Test: ☒ Pass ☐ Fail  
Irritant Smoke Test: ☒ Pass ☐ Fail  
☒ Passed Fit Test  
☐ Failed Fit Test

\*Medical Surveillance: The employer shall establish and maintain an accurate record for each employee subject to medical surveillance in accordance with section 3204 of the General Industry Safety Orders


Trainer Name: W. Thomas Haley  
Trainer Signature: \_\_\_\_\_ Date: 9/18/19

13122 6th Street • Chino, CA 91710  
(909) 628-0369 • Fax (909) 613-5845 • [H2Environmental.com](http://H2Environmental.com)






STATE OF CALIFORNIA  
DEPARTMENT OF PUBLIC HEALTH



## LEAD-RELATED CONSTRUCTION CERTIFICATE

**INDIVIDUAL:**



**Leonard Moreno**

**CERTIFICATE TYPE:**

Lead Sampling Technician

**NUMBER:**

LRC-00000151

**EXPIRATION DATE:**

4/22/2022

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

## Global Environmental Training

This is to certify that

# Leonard Moreno

**SS# 4818**

Has completed course work that meets the criteria required for EPA/AHERA (TSCA Title II) Approved Recreditations and NESHAPs Regulations Training \*

### Asbestos in Buildings: Building Inspector Refresher

**February 7, 2021**

Course Date

**221-032-BIR**


Certificate Number

**February 7, 2022**


Expiration Date

**CA - 023 - 06**

Course Approval Number



Mario Virgen  
Course Director



1520 W. Cameron Ave., Suite 103 • West Covina, CA 91790 (626) 962-4436  
\*This course meets California requirements

## Global Environmental Training

This is to certify that

# Leonard Moreno

**SS# 4818**

Has completed course work that meets the criteria required for EPA/AHERA (TSCA Title II) Approved Recreditation and NESHAPs Regulations Training \*

### Asbestos in Buildings: Abatement Contractor Supervisor Refresher

**February 6, 2021**

Course Date

**221-035-CSR**

Certificate Number

**February 6, 2022**

Expiration Date

**CA - 023 - 04**

Course Approval Number



Mario Virgen  
Course Director



1520 W. Cameron Ave., Suite 103 • West Covina, CA 91790 (626) 962-4436  
\*This course meets California requirements

## Certificate of Training

**Leonard Moreno**

**SSN: 4818**

**NIOSH 582 EQUIVILANCY COURSE**

**June 11, 2013**

**Course Date**

**1631713-2**

**Certificate Number**





W. Thomas Hickey  
Consultant #95-1702

H2 Environmental Consulting Services 13122 6<sup>th</sup> Street, Chino, California 91710 Phone (909) 628-0369

The course included: Airborne Fiber Sampling, Temperature & Pressure Corrections of Air Sampling Flow Rates, Calibration & Alignment of Optical Microscopy, Evaluation of Air Sampling Data and NIOSH Method 1400 Fiber Counting Rules

**HAS SUCCESSFULLY COMPLETED A**

March 26, 2013

Leonard .Moreno  
H2 Environmental Consulting Services Inc  
13122 8th Street  
Chino, CA  
USA

**Subject: Radiation Safety and Operation Training Certificate – Thermo Scientific Portable XRF Analyzers**

Dear Leonard:

Congratulations on having successfully completed the Thermo Fisher Scientific Manufacturer's Training Course on the operation, monitoring, and maintenance of our handheld Thermo Scientific Portable X-ray Fluorescence (XRF) analyzers, including the Thermo Scientific Niton XL3 Series and Niton XL2 Series. We admire your effort in attending this course and have enclosed your certificate of completion. This document certifies that you have been trained in radiation safety and monitoring, measurement technology, and routine analyzer maintenance pertaining to the use of Thermo Scientific Portable XRF instruments.

Please feel free to contact us to discuss your testing and analysis needs. Our trained, technical staff will help you identify best practices and testing methods that can increase productivity and help save you time and money.

For further information or to schedule an on-site demonstration at your convenience, please call us at (800) 875-1578. We also invite you to visit our web site at [www.thermoscientific.com/pai](http://www.thermoscientific.com/pai). We are committed to solving your analysis needs.

Best regards,

*Sophie Ung*

Sophie Ung  
EHS Administrator  
Thermo Scientific Portable Analytical Instruments Inc.

Thermo Scientific  
Portable Analytical Instruments  
2 Radloff Road  
Tremont, Massachusetts 01928

1 800 875 1578  
+1 978 670 7400

[info.us@thermoscientific.com](mailto:info.us@thermoscientific.com)  
[www.thermoscientific.com/pai](http://www.thermoscientific.com/pai)



eTraining, Inc.

# Certificate of Completion

This certifies that

**Leonard Moreno**

has received training for successfully completing

**OSHA Permit-Required Confined Space Entry**

**OSHA 29 CFR 1910.146 - 2 Hours**

May 21, 2015

Certificate Number: **47556**

[www.etrainingtoday.com](http://www.etrainingtoday.com)

*Nail O'Malley*  
Nail O'Malley, President

*Larry A. Baylor*  
Larry A. Baylor, VP Content Development

## Radiation Safety and Operation of Portable XRF Analyzers

This is to certify that

**Leonard .Moreno**

has successfully completed the one-day Thermo Fisher Scientific Portable XRF Analyzer Manufacturer's Training Course. The topics of this course include radiation safety, monitoring, device operation, and machine maintenance of the Thermo Scientific Portable XRF Analyzer.

Course date: **2013-03-22**

Location: **Chino, CA**

Certificate Number: **RS00380000018GXJn**

Customer  
Training  
Certificate

*Sophie Ung*  
Sophie Ung  
EHS Administrator

*James Blute*  
James Blute, CHP  
Manager of Health and Safety

Thermo  
SCIENTIFIC



Report Status: Final  
MORENO, LEONARD

Patient Information	Specimen Information	Client Information
<b>MORENO, LEONARD</b> DOB: 08/29/1989 AGE: 24 Gender: M Phone: NG Patient ID: 031232333	Specimen: BN391464W Requisition: 0007942  Collected: 02/06/2014 Received: 02/07/2014 / 00:37 PST Reported: 02/14/2014 / 15:07 PST	Client #: 97508353 MAIL0000 ALPARCE, JACKSON S USHW-CHINO 15302 EL PRADO RD CHINO, CA 91710-7659
<b>Test Name</b> ZINC PROTOPORPHYRIN (ZPP)	<b>In Range</b> 32	<b>Out Of Range</b> Reference Range mcg/dL Industrial Exposure: <100 mcg/dL (Refer to current OSHA regulation for exposure criteria.)
<b>LRAD, BLOOD (OSHA)</b>	<b>&lt;3</b>	<b>mcg/dL</b> Industrial Exposure: <40 mcg/dL mcg/dL = mcg/100g for OSHA (Refer to current governmental regulations for exposure criteria.)

### PERFORMING SITE:

AT QUEST DIAGNOSTICS-ATLANTA, 1777 MONTERIAL CIRCLE, TUCKER, GA 30084-6802 Laboratory Director: WILLIAM A. MILLER, MD, CLIA: 11D033861  
EN QUEST DIAGNOSTICS-WEST HILLS, 9401 FALLBROOK AVENUE, WEST HILLS, CA 91361-3226 Laboratory Director: GORDON L. LOVELL, MD, CLIA: 050664897

*John*  
2/17/14

CUSTOMER TRAINING





Applicant/Employee: Leonard Moreno Age: \_\_\_\_\_  
Position Title: \_\_\_\_\_  
Date of Evaluation: \_\_\_\_\_ Company: H2 Environmental  
Contact: \_\_\_\_\_ Contact Telephone: \_\_\_\_\_  
Evaluation Content: ☒ Questionnaire ☒ Physical ☐ PFT ☐ X-Ray Other: \_\_\_\_\_

Based on the elements indicated above, I have evaluated the aforementioned person in accordance with the provisions of OSHA 29 CFR 1910.134, applicable to the use of respiratory protective equipment, and it is my opinion that he/she is: (Check all that apply)

☒ Medically qualified for unrestricted use of the following respiratory protective devices:  
**CATEGORY I** Self-Contained; Air-Supplied (Continuous Flow, Demand and Pressure Demand); Canister Mask; Chemical Cartridge and Mechanical Filter with and without Blower.

☐ Medically qualified for restricted use of respiratory protective devices as indicated below:

**CATEGORY II**

Self-Contained	1-2 hours per day
Air-Supplied	
Continuous Flow	Unlimited
Demand	Up to 4 hours / day
Pressure Demand	Up to 4 hours / day
Canister Mask	1-2 hours per day
Chemical Cartridge	1-2 hours per day
Mechanical Filter	1-2 hours per day
Mechanical Filter w/ Blower	Unlimited

**CATEGORY III**

Self-Contained	Never
Air-Supplied	
Continuous Flow	Emergency only
Demand	Emergency only
Pressure Demand	Emergency only
Canister Mask	Never
Chemical Cartridge	Never
Mechanical Filter	Never
Mechanical Filter w/ Blower	Emergency only

☐ In need of the following additional evaluation to assess qualification: \_\_\_\_\_  
☐ In need of Medical Follow-Up Examinations as frequently as every: \_\_\_\_\_  
to include: \_\_\_\_\_

**COMMENTS:**

Fitting Considerations: ☐ Facial hair ☐ Glasses/Contact lenses ☐ Dentures/Facial deformity

I hereby certify that in accordance with OSHA 29 CFR 1910.134, applicable to the use of respiratory protective equipment, I have informed the applicant/employee of the results of his/her evaluation and I have given him/her a copy of these recommendations.

Jackson S. Alparce Jr. M.D.

Health Care Professional: Name: \_\_\_\_\_  
Signature: \_\_\_\_\_  
Date: \_\_\_\_\_

This form complies with OSHA requirements and with other similar state requirements for the use of respirators.



**Qualitative Fit Test**

Employee Name: Leonard Moreno SSN: 4818

Employee Signature: \_\_\_\_\_ Date: 9/18/2020

Location: 13122 6<sup>th</sup> Street, Chino, CA 91710

**Respirator Specifications:**

Brand: ☒ North ☐ 3M ☐ Other: \_\_\_\_\_

Size: ☐ S ☐ M ☒ L

Type: ☒ 1/2 Face ☐ Full Face ☐ PAPR

Model: ☒ 7700 Series ☐ Other: \_\_\_\_\_

**Test Results:**

Negative Pressure Test: ☒ Pass ☐ Fail

Positive Pressure Test: ☒ Pass ☐ Fail

Irritant Smoke Test: ☒ Pass ☐ Fail

☒ Passed Fit Test

☐ Failed Fit Test

☒ Medical Surveillance: The employer shall establish and maintain an accurate record for each employee subject to medical surveillance in accordance with section 3204 of the General Industry Safety Orders

Trainer Name: W. Thomas Halty

Trainer Signature: \_\_\_\_\_ Date: 9/18/20





Important Industry Contacts CAL-OSHA: PHF (916) 574-2993 (916) 483-0172 Fax Notification Web: www.dlr.ca.gov or cal.osha.com CDPH/CLPHE: PHF (510) 820-1600 Web: www.cdph.ca.gov/programs/CLPHE SCAQHD: PHF (909) 396-1719 Fax: (909) 396-1342 BAHQD: PHF (415) 749-4762	NATEC International, Inc. National Association of Training and Environmental Consulting Anaheim, CA • Oakland, CA • Fresno, CA • Sacramento, CA <b>Asbestos • Lead • Mold • HAZWOPER</b> P.O. Box 25205 Anaheim, CA 92825-5205 (714) 678-2750, (800) 969-3228, Fax (714) 678-2757 www.natecintl.com	NATEC International, Inc. National Association of Training and Environmental Consulting This Lead is not subject to regulation by the California Department of Public Health The California Department of Public Health Jason Ortiz Asbestos Contractor/Supervisor Refresher Course Expiration: 1/8/2022 Training Date: ASR0108210006N27060 Certificate No.: _____ Michael W. Horner Training Director
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Important Industry Contacts CAL-OSHA: PHF (916) 574-2993 (916) 483-0172 Fax Notification Web: www.dlr.ca.gov or cal.osha.com CDPH/CLPHE: PHF (510) 820-1600 Web: www.cdph.ca.gov/programs/CLPHE SCAQHD: PHF (909) 396-1719 Fax: (909) 396-1342 BAHQD: PHF (415) 749-4762	NATEC International, Inc. National Association of Training and Environmental Consulting Anaheim, CA • Oakland, CA • Fresno, CA • Sacramento, CA <b>Asbestos • Lead • Mold • HAZWOPER</b> P.O. Box 25205 Anaheim, CA 92825-5205 (714) 678-2750, (800) 969-3228, Fax (714) 678-2757 www.natecintl.com	NATEC International, Inc. National Association of Training and Environmental Consulting This Lead is not subject to regulation by the California Department of Public Health The California Department of Public Health Jason Ortiz Asbestos Building Inspector Refresher Course Expiration: 1/7/2022 Training Date: ABIR0107210006N26970 Certificate No.: _____ Michael W. Horner Training Director
--	---	--



**ENVIRONMENTAL**

**Qualitative Fit Test**

Employee Name: Jason Ortiz SSN: 7357

Employee Signature: \_\_\_\_\_ Date: 9/18/2020

Location: 13122 6th Street, Chino, CA 91710

Respirator Specifications:

Brand: ☒ M ☐ M ☐ M ☐ Other: \_\_\_\_\_

Size: ☐ S ☐ M ☒ L

Type: ☒ 1/2 Face ☐ Full Face ☐ PAPR

Model: ☒ 7700 Series ☐ Other: \_\_\_\_\_

Test Results:

Negative Pressure Test: ☒ Pass ☐ Fail

Positive Pressure Test: ☒ Pass ☐ Fail

Infrared Smoke Test: ☒ Pass ☐ Fail

☒ Passed Fit Test

☐ Failed Fit Test

Medical Surveillance: The employer shall establish and maintain an accurate record for each employee subject to medical surveillance in accordance with section 3204 of the General Industry Safety Orders

Trainer Name: W. Thomas Haley

Trainer Signature: \_\_\_\_\_ Date: 9/18/2020

(909) 628-0369 • Fax (909) 613-5845 • H2Environmental.com



**APPENDIX 2**  
**LAB CERTIFICATION**



## AIHA Laboratory Accreditation Programs, LLC SCOPE OF ACCREDITATION

### LA Testing Huntington Beach

5431 Industrial Drive, Huntington Beach, CA 92649

Laboratory ID: LAP-101650

Issue Date: 06/30/2020

The laboratory is approved for those specific field(s) of testing/methods listed in the table below. Clients are urged to verify the laboratory's current accreditation status for the particular field(s) of testing/Methods, since these can change due to proficiency status, suspension and/or withdrawal of accreditation.

### Industrial Hygiene Laboratory Accreditation Program (IHLAP)

Initial Accreditation Date: 08/01/1981

IHLAP Scope Category	Field of Testing (FOT)	Technology sub-type/Detector	Published Reference Method/Title of In-house Method	Component, parameter or characteristic tested
Asbestos/Fiber Microscopy Core	Phase Contrast Microscopy (PCM)	-	NIOSH 7400	Asbestos/Fibers
Beryllium Testing	Inductively-Coupled Plasma	ICP/AES	NIOSH 7300	Beryllium
Beryllium Testing	Inductively-Coupled Plasma	ICP/MS	NIOSH 7300	Beryllium
Beryllium Testing	Inductively-Coupled Plasma	ICP/MS	NIOSH 7303	Beryllium
Beryllium Testing	Inductively-Coupled Plasma	ICP/OES	NIOSH 7303	Beryllium
Chromatography Core	GC/MS	-	EPA TO-15	Volatile Organic Compounds
Chromatography Core	Gas Chromatography	GC/ECD	NIOSH 5503	Polychlorinated biphenyls
Chromatography Core	Gas Chromatography	GC/FID	NIOSH 1003	Halogenated Hydrocarbons
Chromatography Core	Gas Chromatography	GC/FID	NIOSH 1005	Methylene Chloride
Chromatography Core	Gas Chromatography	GC/FID	NIOSH 1007	Vinyl Chloride
Chromatography Core	Gas Chromatography	GC/FID	NIOSH 1400	Alcohols
Chromatography Core	Gas Chromatography	GC/FID	NIOSH 1500	Hydrocarbons
Chromatography Core	Gas Chromatography	GC/FID	NIOSH 1501	Aromatic Hydrocarbons
Chromatography Core	Gas Chromatography	GC/FID	NIOSH 1550	Naphthas
Chromatography Core	Gas Chromatography	GC/FID	NIOSH 2000	Methanol
Chromatography Core	Gas Chromatography	GC/FID	NIOSH 2500	Methyl Ethyl Ketone
Chromatography Core	Gas Chromatography	GC/FID	NIOSH 2546	Cresols
Chromatography Core	Gas Chromatography	GC/FID	OSHA 109	Isopropyl alcohol

Effective: 11/21/2019

Revision: 9

Page 1 of 3



IHLAP Scope Category	Field of Testing (FOT)	Technology sub-type/Detector	Published Reference Method/Title of In-house Method	Component, parameter or characteristic tested
Chromatography Core	Gas Chromatography	GC/FID	OSHA 91	Methyl Alcohol
Chromatography Core	Gas Chromatography (Diffusive Samplers)	-	NIOSH 1500	Volatile Organic Compounds
Chromatography Core	Gas Chromatography (Diffusive Samplers)	-	NIOSH 1501	Hydrocarbons
Chromatography Core	Gas Chromatography (Diffusive Samplers)	-	OSHA 1001	Aromatic Hydrocarbons
Chromatography Core	Gas Chromatography (Diffusive Samplers)	-	OSHA 1014	Tetrachloroethylene
Chromatography Core	Ion Chromatography (IC)	-	NIOSH 6004	Sulfur Dioxide/Sulfate
Chromatography Core	Ion Chromatography (IC)	-	NIOSH 6011	Chlorine & Bromine
Chromatography Core	Ion Chromatography (IC)	-	NIOSH 6013	Hydrogen sulfide
Chromatography Core	Ion Chromatography (IC)	-	NIOSH 6016	Ammonia
Chromatography Core	Ion Chromatography (IC)	-	NIOSH 7903	Inorganic Acids
Chromatography Core	Ion Chromatography (IC)	-	NIOSH 7906	Fluorides
Chromatography Core	Ion Chromatography (IC)	-	NIOSH 7907	Volatile acids
Chromatography Core	Ion Chromatography (IC)	-	NIOSH 7908	Nonvolatile Acids (Sulfuric Acid and Phosphoric Acid)
Chromatography Core	Ion Chromatography (IC)	-	OSHA 1008	Hydrogen sulfide
Chromatography Core	Ion Chromatography (IC)	-	OSHA ID-113	Sulfuric acid
Chromatography Core	Ion Chromatography (IC)	-	OSHA ID-165SG	Acid mist
Chromatography Core	Ion Chromatography (IC)	-	OSHA ID-182	Nitrogen dioxide
Chromatography Core	Ion Chromatography (IC)	-	OSHA ID-188	Ammonia
Chromatography Core	Ion Chromatography (IC)	-	OSHA ID-214	Ozone
Chromatography Core	Ion Chromatography (IC)	-	OSHA ID-215 (Version 2)	Hexavalent Chromium
Chromatography Core	Liquid Chromatography	HPLC/UV	NIOSH 2016	Formaldehyde
Chromatography Core	Liquid Chromatography	HPLC/UV	NIOSH 2532	Glutaraldehyde
Chromatography Core	Liquid Chromatography	HPLC/UV	NIOSH 5042	Asphalt fume
Chromatography Core	Liquid Chromatography	HPLC/UV	NIOSH 5506	Polynuclear Aromatic Hydrocarbons (PAHs)
Chromatography Core	Liquid Chromatography	HPLC/UV	OSHA 1007	Formaldehyde
Chromatography Core	Liquid Chromatography	HPLC/UV	OSHA 42	Diisocyanates in Air
Chromatography Core	Liquid Chromatography	HPLC/UV	OSHA 47	methylene bisphenyl isocyanate
Chromatography Core	Liquid Chromatography	HPLC/UV	OSHA 58	Coal Tar Pitch Volatiles
Chromatography Core	Liquid Chromatography	HPLC/UV	OSHA 64	Glutaraldehyde
Miscellaneous Core	Gravimetric	-	NIOSH 0500	Particulates
Miscellaneous Core	Gravimetric	-	NIOSH 0600	Particulates

Effective: 11/21/2019

Revision: 9

Page 2 of 3



IHLAP Scope Category	Field of Testing (FOT)	Technology sub-type/Detector	Published Reference Method/Title of In-house Method	Component, parameter or characteristic tested
Miscellaneous Core	Thermo-optical Analysis (TOA)	-	NIOSH 5040	Elemental Carbon
Spectrometry Core	Atomic Absorption	CVA	NIOSH 6009	Mercury
Spectrometry Core	Inductively-Coupled Plasma	ICP/AES	NIOSH 7300	Metals
Spectrometry Core	Inductively-Coupled Plasma	ICP/MS	NIOSH 7300	Metals
Spectrometry Core	Inductively-Coupled Plasma	ICP/MS	NIOSH 7303	Metals
Spectrometry Core	UV/VIS (Colorimetric)	-	NIOSH 6010	Hydrogen Cyanide
Spectrometry Core	UV/VIS (Colorimetric)	-	NIOSH 6014	Nitric oxide and nitrogen dioxide
Spectrometry Core	UV/VIS (Colorimetric)	-	NIOSH 7600	Hexavalent Chromium
Spectrometry Core	UV/VIS (Colorimetric)	-	OSHA ID-1019	Hydrogen Peroxide
Spectrometry Core	UV/VIS (Colorimetric)	-	OSHA ID-190	Nitric Oxide
Spectrometry Core	X-ray Diffraction (XRD)	-	NIOSH 7500	Silica (Quartz, Cristobalite, Tridymite)
Spectrometry Core	X-ray Diffraction (XRD)	-	OSHA ID-142 (Version 4)	Silica (Quartz, Cristobalite, Tridymite)

A complete listing of currently accredited IHLAP laboratories is available on the AIHA-LAP, LLC website at: <http://www.aihaaccreditedlabs.org>

Effective: 11/21/2019

Revision: 9

Page 3 of 3



## AIHA Laboratory Accreditation Programs, LLC SCOPE OF ACCREDITATION

**LA Testing Huntington Beach**  
5431 Industrial Drive, Huntington Beach, CA 92649

**Laboratory ID: LAP-101650**  
Issue Date: 06/30/2020

The laboratory is approved for those specific field(s) of testing/methods listed in the table below. Clients are urged to verify the laboratory's current accreditation status for the particular field(s) of testing/Methods, since these can change due to proficiency status, suspension and/or withdrawal of accreditation.

### Environmental Microbiology Laboratory Accreditation Program (EMLAP)

**Initial Accreditation Date: 03/01/2004**

EMLAP Scope Category	Field of Testing (FOT)	Component, parameter or characteristic tested	Method	Method Description (for internal methods only)
Bacterial	Legionella	Water, Swabs, Soil and Air	MICRO-SOP-105	Detection and Enumeration of Legionella from the Environment Using ISO 11731:2017
Fungal	Air - Direct Examination	Spore Trap	MICRO-SOP-201	Standard Operating Procedure for the Analysis of Airborne Fungal Spores, Hyphal Fragments, Pollen, Insect Fragments, Skin Fragments and Fibrous Particulate by Optical Microscopy of Spore Trap Samples
Fungal	Bulk - Direct Examination	Bulk (liquid or solid)	MICRO-SOP-200	Standard Operating Procedure for the Microscopic Examination of Fungal Spores, Fungal Structures, Hyphae, Pollen, Insect Fragments, and Fibrous Particulate from Surface Samples
Fungal	Surface - Direct Examination	Swab or Tape Lift	MICRO-SOP-200	Standard Operating Procedure for the Microscopic Examination of Fungal Spores, Fungal Structures, Hyphae, Pollen, Insect Fragments, and Fibrous Particulate from Surface Samples

A complete listing of currently accredited EMLAP laboratories is available on the AIHA-LAP, LLC website at: <http://www.aihaaccreditedlabs.org>

Effective: 11/21/2019  
Revision: 7  
Page 1 of 1



## AIHA Laboratory Accreditation Programs, LLC SCOPE OF ACCREDITATION

**LA Testing Huntington Beach**  
5431 Industrial Drive, Huntington Beach, CA 92649

**Laboratory ID: LAP-101650**  
Issue Date: 06/30/2020

The laboratory is approved for those specific field(s) of testing/methods listed in the table below. Clients are urged to verify the laboratory's current accreditation status for the particular field(s) of testing/Methods, since these can change due to proficiency status, suspension and/or withdrawal of accreditation.

The EPA recognizes the AIHA-LAP, LLC ELLAP program as meeting the requirements of the National Lead Laboratory Accreditation Program (NLLAP) established under Title X of the Residential Lead-Based Paint Hazard Reduction Act of 1992 and includes paint, soil and dust wipe analysis. Air and composited wipes analyses are not included as part of the NLLAP.

### Environmental Lead Laboratory Accreditation Program (ELLAP)

**Initial Accreditation Date: 08/23/1994**

Component, parameter or characteristic tested	Technology sub-type/Detector	Method	Method Description (for internal methods only)
Airborne Dust	AA	NIOSH 7082	N/A
Paint	AA	EPA SW-846 3050B	N/A
		EPA SW-846 7000B	N/A
Settled Dust by Wipe	AA	EPA SW-846 3050B	N/A
		EPA SW-846 7000B	N/A
Soil	AA	EPA SW-846 3050B	N/A
		EPA SW-846 7000B	N/A

A complete listing of currently accredited ELLAP laboratories is available on the AIHA-LAP, LLC website at: <http://www.aihaaccreditedlabs.org>

Effective: 11/21/2019  
Revision: 8  
Page 1 of 1



CALIFORNIA STATE  
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

**CERTIFICATE OF ENVIRONMENTAL ACCREDITATION**

Is hereby granted to

**LA Testing**

**Huntington Beach, CA**

5431 Industrial Drive  
Huntington Beach, CA 92649 USA

Scope of the certificate is limited to the  
"Fields of Testing"  
which accompany this Certificate.

Continued accredited status depends on successful completion of on-site inspection,  
proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of  
Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **1406**  
Expiration Date: **1/31/2022**  
Effective Date: **2/1/2020**

Sacramento, California  
subject to forfeiture or revocation

  
Christine Sotelo, Chief  
Environmental Laboratory Accreditation Program



## CALIFORNIA STATE ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM Accredited Fields of Testing



**LA Testing**  
Huntington Beach, CA  
5431 Industrial Drive  
Huntington Beach, CA 92649 USA  
Phone: 7148284999

**Certificate No. 1406**  
**Expiration Date 1/31/2022**

<b>Field of Testing: 102 - Inorganic Chemistry of Drinking Water</b>			
102.020	001	Turbidity	EPA 180.1
<b>Field of Testing: 109 - Metals and Trace Elements in Non-Potable Water</b>			
109.625	013	Lead	EPA 200.8 (1994 Rev. 5.4)
<b>Field of Testing: 114 - Inorganic Chemistry of Hazardous Waste</b>			
114.010	001	Antimony	EPA 6010 B
114.010	002	Arsenic	EPA 6010 B
114.010	003	Barium	EPA 6010 B
114.010	004	Beryllium	EPA 6010 B
114.010	005	Cadmium	EPA 6010 B
114.010	006	Chromium	EPA 6010 B
114.010	007	Cobalt	EPA 6010 B
114.010	008	Copper	EPA 6010 B
114.010	009	Lead	EPA 6010 B
114.010	010	Molybdenum	EPA 6010 B
114.010	011	Nickel	EPA 6010 B
114.010	012	Selenium	EPA 6010 B
114.010	013	Silver	EPA 6010 B
114.010	014	Thallium	EPA 6010 B
114.010	015	Vanadium	EPA 6010 B
114.010	016	Zinc	EPA 6010 B
114.130	001	Lead	EPA 7420
114.140	001	Mercury	EPA 7470 A
114.141	001	Mercury	EPA 7471 A
114.240	001	Corrosivity - pH Determination	EPA 9040 B
114.241	001	Corrosivity - pH Determination	EPA 9045 C
<b>Field of Testing: 115 - Extraction Test of Hazardous Waste</b>			
115.021	001	TCLP Inorganics	EPA 1311 (TCLP)
115.030	001	Waste Extraction Test (WET)	CCR Chapter 11, Article 5, Appendix II
<b>Field of Testing: 117 - Semi-volatile Organic Chemistry of Hazardous Waste</b>			
117.220	000	PCBs	EPA 8082
<b>Field of Testing: 120 - Physical Properties of Hazardous Waste</b>			
120.070	001	Corrosivity - pH Determination	EPA 9040 B

As of: 2/1/2020 - this list supersedes all previous lists for this certificate number,  
Customers: Please verify the current accreditation standing with the State.



LA Testing

Certificate No.: 1406  
Expiration Date: 1/31/2022

120.080 001 Corrosivity - pH Determination EPA 9045 C

Field of Testing: 121 - Bulk Asbestos Analysis of Hazardous Waste

121.010 001 Bulk Asbestos EPA 600/MA-82-020

## CERTIFICATE OF PROFICIENCY

### ELITE Program

#### LA Testing

5431 Industrial Drive  
Huntington Beach, CA 92649  
United States of America

Member Since: 11/17/2017

Expiration Date: 12/1/2021



**Issued by:**

Environmental Legionella Isolation Techniques Evaluation  
Respiratory Diseases Branch  
National Center for Immunization and Respiratory Diseases  
Coordinating Center for Infectious Diseases  
Centers for Disease Control and Prevention (CDC)



As of 2/1/2020, this list supersedes all previous lists for this certificate number.  
Customers: Please verify the current accreditation standing with the State.

Page 2 of 2

DAVID Y. IGE  
GOVERNOR OF HAWAII



STATE OF HAWAII  
DEPARTMENT OF HEALTH  
P.O. Box 3378  
HONOLULU, HAWAII 96801-3378

March 4, 2020

BRUCE S. ANDERSON, Ph.D.  
DIRECTOR OF HEALTH

In reply, please refer to  
File: EHS00008

To: Lorie Dennis, QA Administrative Assistant  
EMSL Analytical, Inc.  
Corporate Office & Lab

From: Department of Health, Indoor and Radiological Health Branch  
Asbestos Section

Subject: Annual Asbestos Laboratory Registration for LA Testing - Huntington Beach, CA

Your asbestos laboratory registration packet has been received and processed. Your registration number is **L-07-001** and is valid until **March 28, 2021**.

Your laboratory is now registered to perform the duties specified in Chapter 11-504-19 for regulated facilities and will abide by the rules set forth in the Hawaii Administrative Rules, Chapter 11-501 through 11-504.

Enclosed is the receipt for the **\$100.00** registration fee.

Thank you for your cooperation. Should you have any questions or require additional information, please contact Ms. Kristie Kasaoka Kimura at (808) 586-5800.

Enc: As stated

kkk

United States Department of Commerce  
National Institute of Standards and Technology



## Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 101384-0

**LA Testing-Huntington Beach**  
Huntington Beach, CA

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

**Asbestos Fiber Analysis**

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

2020-07-01 through 2021-06-30  
Effective Dates



*John S. Lamm*  
For the National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

**LA Testing-Huntington Beach**

5431 Industrial Drive  
Huntington Beach, CA 92649  
Mr. Christopher Miranda  
Phone: 714-828-4999  
Email: cmiranda@latesting.com  
<http://www.latesting.com>

**ASBESTOS FIBER ANALYSIS**

**NVLAP LAB CODE 101384-0**

**Bulk Asbestos Analysis**

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

**Airborne Asbestos Analysis**

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

  
For the National Voluntary Laboratory Accreditation Program



DAVID Y. ICE  
GOVERNOR OF HAWAII



BRUCE S. ANDERSON, Ph.D.  
DIRECTOR OF HEALTH

STATE OF HAWAII  
DEPARTMENT OF HEALTH  
P.O. Box 3378  
HONOLULU, HAWAII 96801-3378

In reply, please refer to  
File: EHS00000

July 16, 2020

To: Lorie Dennis, Quality Assurance Administrator  
EMSL Analytical, Inc.  
Corporate Office & Lab

From: Department of Health, Indoor and Radiological Health Branch  
Asbestos Section

Subject: Annual Asbestos Laboratory Registration for LA Testing – South Pasadena, CA

Your asbestos laboratory registration packet has been received and processed. Your registration number is **L-01-034** and is valid until **July 10, 2021**.

Your laboratory is now registered to perform the duties specified in Chapter 11-504-19 for regulated facilities and will abide by the rules set forth in the Hawaii Administrative Rules, Chapter 11-501 through 11-504.

Enclosed is the receipt for the **\$100.00** registration fee.

Thank you for your cooperation. Should you have any questions or require additional information, please contact Ms. Kristie Kasaoka Kimura at (808) 586-5800.

Enc: As stated

kkk



## AIHA Laboratory Accreditation Programs, LLC SCOPE OF ACCREDITATION

### LA Testing

520 Mission Street, South Pasadena, CA 91030

Laboratory ID: LAP-102814

Issue Date: 12/31/2019

The laboratory is approved for those specific field(s) of testing/methods listed in the table below. Clients are urged to verify the laboratory's current accreditation status for the particular field(s) of testing/Methods, since these can change due to proficiency status, suspension and/or withdrawal of accreditation.

### Environmental Microbiology Laboratory Accreditation Program (EMLAP)

Initial Accreditation Date: 11/01/2003

EMLAP Scope Category	Field of Testing (FOT)	Component, parameter or characteristic tested	Method	Method Description (for internal methods only)
Bacterial	Legionella	-	MICRO-SOP-105	ISO 11731:2017
Bacterial	Legionella	-	MICRO-SOP-105-3	CDC 2005 Procedures for the Recovery of Legionella from the Environment
Fungal	Air - Direct Examination	-	MICRO-SOP-201	Standard Operating Procedure for the Analysis of Airborne Fungal Spores, Hyphal Fragments, Pollen, Insect Fragments, Skin Fragments and Fibrous Particulate by Optical Microscopy of Spore Trap Samples
Fungal	Bulk - Direct Examination	-	MICRO-SOP-200	Standard Operating Procedure for the Microscopic Examination of Fungal Spores, Fungal Structures, Hyphae, Pollen, Insect Fragments, and Fibrous Particulate from Surface Samples
Fungal	Surface - Direct Examination	-	MICRO-SOP-200	Standard Operating Procedure for the Microscopic Examination of Fungal Spores, Fungal Structures, Hyphae, Pollen, Insect Fragments, and Fibrous Particulate from Surface Samples




CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

**CERTIFICATE OF ENVIRONMENTAL ACCREDITATION**

Is hereby granted to

**EMSL Analytical, Inc.**

**South Pasadena, CA**

520 Mission Street  
South Pasadena, CA 91030

Scope of the certificate is limited to the  
"Fields of Testing"  
which accompany this Certificate.

Continued accredited status depends on successful completion of on-site inspection,  
proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of  
Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **2283**  
Expiration Date: **12/31/2021**  
Effective Date: **1/1/2020**

Sacramento, California  
subject to forfeiture or revocation

Christine Sotelo, Chief  
Environmental Laboratory Accreditation Program



CALIFORNIA STATE  
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM  
Accredited Fields of Testing



EMSL Analytical, Inc.  
South Pasadena, CA  
520 Mission Street  
South Pasadena, CA 91030  
Phone: 3232549960

Certificate No. 2283  
Expiration Date 12/31/2021

Field of Testing: 101 - Microbiology of Drinking Water

101.010	001	Heterotrophic Bacteria	SM 9215 B
101.050	001	Total Coliform P/A	SM 9223 B Coliort
101.050	002	E. coli P/A	SM 9223 B Coliort
101.050	003	Total Coliform (Enumeration)	SM 9223 B Coliort

Field of Testing: 103 - Toxic Chemical Elements of Drinking Water

103.301	001	Asbestos	EPA 100.2
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Field of Testing: 107 - Microbiological Methods for Non-Potable Water and Sewage Sludge

107.003	002	Fecal Coliform (Enumeration)	SM 9222 D-2006
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Field of Testing: 121 - Bulk Asbestos Analysis of Hazardous Waste

121.010	001	Bulk Asbestos	EPA 600/M-82-020
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Field of Testing: 126 - Microbiological Methods for Ambient Water

126.005	003	Fecal Coliform (Enumeration)	SM 9222 D-2006
126.019	001	Enterococci	Enterolert

## CERTIFICATE OF PROFICIENCY

### ELITE Program

#### LA Testing

520 Mission Street  
South Pasadena, CA 91030  
United States of America

Member Since: 3/12/2009  
Expiration Date: 12/1/2021



Issued by:  
Environmental Legionella Isolation Techniques Evaluation  
Respiratory Diseases Branch  
National Center for Immunization and Respiratory Diseases  
Coordinating Center for Infectious Diseases  
Centers for Disease Control and Prevention (CDC)



As of 12/28/2020, this list supersedes all previous lists for this certificate number.  
Customers: Please verify the current accreditation standing with the State.

Page 1 of 1

## National Voluntary Laboratory Accreditation Program



### SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

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

#### ASBESTOS FIBER ANALYSIS

NVLAP LAB CODE 200232-0

##### Bulk Asbestos Analysis

###### Code

18/A01

###### Description

EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples

18/A03

EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

##### Airborne Asbestos Analysis

###### Code

18/A02

###### Description

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

## United States Department of Commerce National Institute of Standards and Technology



### Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 200232-0

LA Testing  
South Pasadena, CA

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

#### Asbestos Fiber Analysis

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

2020-07-01 through 2021-06-30  
Effective Dates



*David S. Laman*  
For the National Voluntary Laboratory Accreditation Program

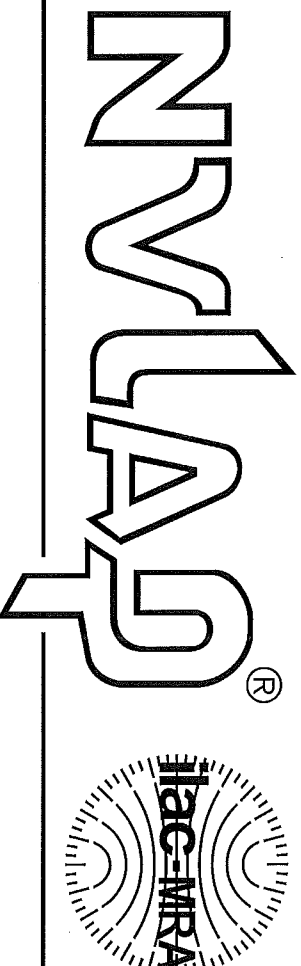
*David S. Laman*  
For the National Voluntary Laboratory Accreditation Program

Effective 2020-07-01 through 2021-06-30

Page 1 of 1



United States Department of Commerce  
National Institute of Standards and Technology



# Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 201073-0

**ATEL, LLC**  
Chino Hills, CA

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

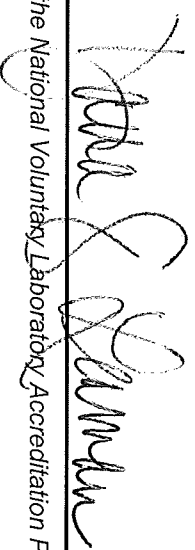
## **Asbestos Fiber Analysis**

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

2020-07-01 through 2021-06-30

*Effective Dates*



  
For the National Voluntary Laboratory Accreditation Program

**APPENDIX 3**  
**METHODOLOGY**

### SURVEY METHODOLOGY

#### ASSESSMENT STUDY GENERAL ORGANIZATION

Prior to beginning the actual inspection, the inspector met with Mr. Robert Godfrey, to discuss the facility inspection and gain access.

#### Inspection Procedures

Access was obtained from Mr. Robert Godfrey. The Asbestos and Lead Survey was performed by Mr. W. Thomas Haley a California Licensed Consultant/Lead Inspector/Assessor/Project Monitor, Mr. Stephen Hulan, a Certified Site Surveillance Technician, Mr. Jason Ortiz, a Certified Lead Sampling Technician, Mr. Leonard Moreno, a Certified Lead Sampling Technician, and Mr. Alec Stockwell (See Appendix 1). An initial building walkthrough was conducted to determine the presence of suspect materials, which were accessible and/or exposed. Materials, which were similar in general appearance, were grouped into homogeneous sampling areas.

#### Homogeneous Material Classifications

A preliminary walkthrough of the spaces was conducted to determine areas of materials, which were visually similar in color, texture, general appearance, and which appeared to have been installed at the same time. Such materials are termed "homogeneous materials" by the EPA. During this walkthrough, the approximate locations of these homogeneous materials were also noted. Only materials, which were and/or exposed and suspected to contain asbestos, were identified.

Following the EPA, California State and local protocol, each identified suspect homogeneous material may be placed in one of the following EPA classifications:

- **Surfacing Materials** (spray or trowel applied materials)
- **Thermal System Insulation** (materials applied to various mechanical systems)
- **Miscellaneous Materials** (any material which do not fit either of the above categories, such as vinyl floor tiles...etc.)

#### Sampling Procedures

EPA guidelines were used to determine the sampling protocol. Sampling locations that were chosen are representative of the homogeneous sampling area. While an effort was made to collect samples randomly, samples were taken preferentially from damaged areas or areas which were the least visible to minimize disturbance of the material. After each sample was extracted, a spray encapsulant was applied to the sampled area to prevent potential fiber release.

### LEAD

The inspector performs a visual walk-thru of the building noting all substrates, building, and painting histories. Upon completion the inspector takes a paint chip sample of each noted area and paint down to the substrate. This is to ensure that all layers of paint are tested. When this is done, the sample is placed in an individual container with a unique sample number denoting the building and sample number. At the same time, the inspector fills out a log giving the sample number, color, physical description of the substrate, and the building and what area it was extracted from. Also, the inspector plots the sample on a diagram. The inspector then transports the samples and log to an accredited laboratory along with a chain of custody form that are signed by both the inspector and the laboratory. The laboratory analyzed it by Atomic Absorption Spectrometry (AAS).

When the results from the laboratory are given, a sample log is created and a positive material log is prepared for the report. The positive samples are also plotted on a CAD drawing of the building(s).

### QUANTIFICATION

Quantities of accessible and/or exposed building materials that were suspected of containing asbestos were estimated. This estimation was performed by taking approximate measurements in the field and/or estimating quantities based on drawings provided by the client. Materials such as pipe insulation and associated mudded joint packing (MJP) were categorized according to the outside diameter of the insulation. Pipe lagging was quantified by linear footage while the actual numbers of MJPs were counted. Insulation on mechanical equipment such as boilers and ductwork were quantified by the square footage of the surface area of suspect insulation. Similarly, fireproofing, plasters, ceiling and floor tiles, and transite panels were measured in square feet of surface area.

Quantities are estimated and should be confirmed by an engineering survey if renovation or demolition is contemplated. The level of detail provided by an engineering survey, which is required for a construction estimate, is beyond the scope of this survey.



### LABORATORY METHODOLOGY

#### Method of Analysis (Asbestos)

Analysis was performed by using the bulk sample for visual observation and slide preparation(s) for microscopic examination and identification. The samples were mounted on slides and then analyzed for asbestos (chrysotile, amosite, crocidolite, anthophyllite, and actinolite/tremolite), fibrous non-asbestos constituents (mineral wool, paper, etc.), and non-fibrous constituents. Asbestos was identified by refractive indices, morphology, color, pleochroism, birefringence, extinction characteristics, and signs of elongation. The same characteristics were used to identify the non-asbestos constituents.

The microscopist visually estimated relative amounts of each constituent by determining the volume of each constituent in proportion to the total volume of the sample, using a stereoscope.

#### Method of Analysis (Lead)

##### Atomic Absorption Spectroscopy (AAS)

A wide variety of inorganic elements and matrices are analyzed by atomic absorption spectroscopy (AAS). AAS is the method of choice for precise quantitative determination of single elements in air, water, soil, paint and other matrices. The laboratory's primary instruments are equipped with flame and graphite furnace analytical capability. Flame analysis is suitable for most analytes and matrices including paint, wipes, soils, and air samples. Graphite furnace procedures dramatically decrease detection limits and are appropriate when testing lead in drinking water and personal air monitoring samples. The laboratory also maintains a mercury analyzer with excellent detection limits for mercury in variety of matrices.

##### X-Ray Fluorescence (XRF) spectrometry

H2 completed the XRF Lead-based Paint Survey with a Niton XLp-300a Spectrum Analyzer, Serial Number 25947. This unit utilizes a Generic 40 mCi Cadmium 109 source.

**Note:** *The Niton XLp-300a is configured in a manner that does not require substrate correction and does not produce inconclusive testing results.*

XRF spectrometry is based on the fact that, when exposed to high-energy radiation, lead (like many other elements) emits X-rays at a characteristic frequency. The intensity of the rays can be measured and correlated to the amount of lead per unit area (usually in units of milligrams per square centimeter). As regulatory standards for lead in paint may be expressed in other units (e.g. parts per million or per cent concentration by weight), the XRF results may need to be converted. Portable XRF instruments can measure the total amount of lead in a painted surface in situ without damaging the paint or substrate. Portable XRF devices are very easy to use but, because of the radiation hazard, require special training.

**Calibration:** Before leaving the factory, Niton calibrates the XLp-300a. To further assure the best Quality Assurance/Quality Control, the XLp-300a performs a self-calibration every time the device is turned on. Once the device completes the self-calibration, the sampling technician conducts a calibration check using the Niton supplied NIST Standard Reference Material (SRM 2573). This calibration step consists of a series of three checks with lead standard strips. Additional calibration checks are made at the completion of the testing for the day or every four hours, whichever comes first.

**Testing Surfaces for the Presence of Lead:** Following calibration of the XRF the painted surfaces are analyzed for lead by entering identifying information (item, component, substrate, side, color, floor and building) regarding the surface into the XRF. The XRF is then placed on the surface. A shutter is raised that allows the X-rays from the radioactive <sup>109</sup>Cadmium source in the XRF to penetrate the surface. These X-rays cause the metal atoms to emit fluorescence (light) and the amount of light is measured by a detector. The light emitted by lead atoms is characteristic of lead and the amount of light is proportional to the amount of lead in the surface. The XRF is programmed in such a way that it reports the amount of lead present to the 95% confident reading of positive or negative versus the HUD lead standard of 1.0 mg/cm<sup>2</sup>. The XRF will test the surface until it obtains the necessary accuracy. For the 309 this usually takes less than one minute. The data is stored, downloaded and presented in the tables in this report.

### Laboratory Quality Control Program

LA Testing Laboratories (NVLAP Pasadena #200232-0), a licensed California State Laboratory located at 520 Mission Street South Pasadena, CA 91030 (323)-254-9960, LA Testing Laboratories (NVLAP Huntington Beach #101384-0) a licensed California State Laboratory located at 5431 Industrial Drive Huntington Beach, CA 92649, (714)-828-4999, and ATEL, LLC (NVLAP# 201073-0), a licensed California State Laboratory located at 5817 Pine Avenue Suite B-2, Chino Hills, CA 91709, (909)-393-3330, maintains an in-house quality control program that consists of blind reanalysis of ten percent of all samples. There is also voluntary quality control reanalysis and mandatory source material dependent quality control reanalysis for sample types that are particularly difficult to analyze.

### REPORT FORMAT

The laboratory results were analyzed and the results presented using the H2 Environmental management program and are presented in the analytical results section of this report. Since the results are oriented to data only, a short explanation of each element contained therein is given below. It explains the content of each data column and its relationship with other items on the page.

### ASBESTOS

Report Number - This line represents the assigned laboratory report number for each particular set of samples submitted to the laboratory.

Client Identification (sample number) - This column represents the homogenous material number followed by the field sample number assigned in the field.

Area Sampled - This column describes the area where the actual sample was collected as described by the inspector at the time of the survey.

Type of Material - This column describes the material submitted and analyzed.

Asbestos Results (type & percent) - This column provides the specific type of asbestos found in each sample.

Composition - This column provides a description of the materials found during the analytical process that was not found to be asbestos (i.e. binders, other fibrous materials, etc.)

### LEAD

Material Number - This line represents the assigned laboratory report number for each particular set of samples submitted to the laboratory.

Area Sampled - This column describes the area where the actual sample was collected as described by the inspector at the time of the survey.

Substrate - This column describes the material submitted and analyzed.

Lead Results – Lead Containing Paint or Ceramic Tiles is defined as paint, tile or other surface coatings, that contain an amount of lead that is greater than or equal to:

1.0 mg/cm<sup>2</sup> By XRF Method

### **Sampled Building Materials – Section 1 Survey Summary**

Homogeneous Material Number - This number is the field sample number.

Material Description – Indicates size and type of suspect sampled material.

Location(s) of Material - This column provides the general location of the suspect material.

F/NF - Describes whether the material is friable or non-friable.

Condition – Indicates current appearance of the material during the inspection.

% ACM – Percentage of Asbestos found after analysis.

# Samp. – Number of samples taken.

Quantity – Square or linear measurement of suspect materials sampled.



## **APPENDIX 4**

## **WARRANTY**

### WARRANTY

H2 Environmental Consulting Services warrants that the findings contained herein have been promulgated in general accordance with accepted professional practices at the time of its preparation as applied by professionals in the community. Changes in the state of the art or in applicable regulations cannot be anticipated and have not been addressed in this report.

The field and laboratory results reported herein are considered sufficient in detail and scope to determine the presence, condition and hazard potential of accessible and/or exposed suspect asbestos/lead containing building materials on the property at the time of inspection. Test results are valid only for the material tested.

There is a possibility that conditions may exist which could not be identified within the scope of the survey or which were not apparent during the site visit.

This inspection covered only those areas, which were exposed and/or physically accessible to the inspector as outlined by the scope of work. The study is also limited to the information available from the client at the time it was conducted.

No other warranties are implied or expressed.