



March 10, 2020

Exterior Asbestos and Lead Paint Survey Report for Repainting

Buchanan High School
1560 N. Minnewawa Avenue
Clovis, CA 93619

Prepared for:

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FACS Project #PJ15618



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List of Acronyms

AIHA	American Industrial Hygiene Association
AL	Action Level
Cal/OSHA	California Occupational Safety and Health Association
CCR	Code of California Regulations
CFR	Code of Federal Regulation
DOSH	Department of Occupational Safety and Health
ELAP	Environmental Laboratory Accreditation Program
EPA	Environmental Protection Agency
FACS	Forensic Analytical Consulting Services, Inc.
FALI	Forensic Analytical Laboratories, Inc.
HMS, Inc.	Hazard Management Services, Inc. (now FACS, as of 9/1/18)
LBP	Lead-Based Paint
ND	None Detected
NIOSH	National Institute for Occupational Safety and Health
NIST	National Institute of Science and Technology
PEL	Permissible Exposure Limit
RRP Rule	EPA Renovation, Repair and Painting Rule
TTLC	Total Threshold Limit Concentration



Executive Summary

Forensic Analytical Consulting Services, Inc. (FACS) was retained by Clovis Unified School District to perform a hazardous materials survey of exterior building surfaces at Buchanan High School, located at 1560 North Minnewawa Avenue in Clovis, California. The survey included suspect lead-containing paints or coatings and suspect asbestos-containing materials which may be impacted by the planned exterior repainting project at this site. Appendix A of this report contains a data table listing all XRF test results, and the chain of custody and laboratory analysis report for any bulk lead sampling performed. The survey was performed on February 19 and 20, 2020. In general, most paints and coatings inspected during this survey were found to be intact and it does not appear that extensive stabilization of deteriorated paint on surfaces will be required.

Lead-Based Paints

Lead-based paints or coatings have lead content at or above 1.00 mg/cm², 5,000 parts per million or 0.5% by weight. The following paints or coatings were found to be lead-based by XRF analysis during this survey:

- Blue paint on metal window lites at Building 550
- Blue paint on metal window lites at Wing 800

Lead-Containing Paints

A lead-containing paint or coating is defined as any detectable lead concentration at any level; there is no lower bound to lead content in the applicable regulations. Please refer to the XRF data table in Appendix A for specific results for tested items. Any XRF test results with a positive value, paints that were not tested during this survey, or any 0.00 mg/cm² results which do not have corresponding verification by bulk sample analysis must be considered lead-containing.

Lead-Free Paints

Five bulk samples were collected during this survey to verify 0.00 mg/cm² XRF results for paints. Other XRF test readings yielding 0.00 mg/cm² results obtained during this survey were of paints or coatings which are in an intact state and are not expected to require any preparation work which might create a lead exposure if they did contain lead. If any of these paints or coatings will require preparation work, it must be assumed that they are lead-containing unless bulk sampled and proven to not contain detectable concentrations of lead.

Of the verification samples collected, laboratory analysis indicates that the following paints or coatings may be handled as "lead-free":

- Blue paint on metal stair stringer – Building 300
- White paint on metal overhang – Portable P-1
- Red paint on belly rail – Wing 100
- White paint on metal roof decking – Wing 100
- Grey paint on metal – Transformer Room – South of Building 500

Asbestos

Based on the conditions of paints and lack of preparation believed to be required, no asbestos testing was performed of suspect materials at this site. If any suspect materials will need to be disturbed (sanded, cut, abraded, etc.), they should be tested to verify asbestos-content or must be handled as



asbestos-containing materials. Suspect materials include any material that is not bare metal, wood, glass, or rubber.

FACS recommends that the results of this report be incorporated into any renovation plans provided for this project for informational purposes.



Introduction

Forensic Analytical Consulting Services, Inc. (FACS) was retained by Clovis Unified School District to perform a hazardous materials survey of exterior building surfaces at Buchanan High School, located at 1560 North Minnewawa Avenue in Clovis, California. The survey included suspect lead-containing paints or coatings and suspect asbestos-containing materials which may be impacted by the planned exterior repainting project at this site. The survey was performed on February 19 and 20, 2020.

Scope of Work

The purpose of this survey was to identify lead-based or lead-containing paints or coatings, and asbestos-containing materials which may be impacted by the planned exterior repainting of this school site. The visual inspection, XRF testing, bulk sampling, and survey documentation were performed by Jeff Olsen. Mr. Olsen is a California Department of Public Health (CDPH) Certified Lead Sampling Technician (#LRC-00001196) and Division of Occupational Safety and Health Certified Site Surveillance Technician (CSST #01-2873). The survey was conducted under the direction and supervision of Chris Chipponeri, who is a CDPH Certified Lead Inspector / Assessor (#LRC-00000782) and DOSH Certified Asbestos Consultant (CAC #10-4633), as required by California regulations. The scope of the survey and the services provided by FACS included:

- Performing a visual inspection of exterior building and structure surfaces for paints or coatings which may be impacted during the repainting project and suspect materials that may be disturbed;
- Testing of paints and coatings using an XRF analyzer to determine lead content;
- Collection of verification bulk samples as needed for analysis by flame atomic absorption spectrometry (AAS);
- Ensuring the technical quality of all work by using DOSH Certified Asbestos Consultants and Certified Site Surveillance Technicians;
- Ensuring the technical quality of all work by using CDPH Certified Lead Sampling Technicians and Inspector/Risk Assessors;
- Consolidating data and findings into a written report format.

Site Characterization

Buchanan High School is a typical school site located in Clovis, California. The site contains permanent buildings and several portable classrooms. Only exterior surfaces were included in this survey.

Materials suspect for containing lead include all paints and coatings on surfaces that will be repainted.

Survey Methods

Visual Inspection

Exterior painted and coated surfaces which will be repainted were visually assessed during the course of the lead survey. The condition of all tested surfaces has been categorized as intact, fair or poor, to aid contractors in determining where lead remediation work may be required to facilitate preparatory work



that may be needed during the repainting project. During this visual inspection it was determined if any suspect materials would be disturbed by preparation activities.

All exterior areas were accessible during this survey. Interior areas will not be included in the repainting project and were not included in this survey.

Lead Inspection

The client-defined lead inspection was conducted in accordance with the CDPH Lead-Related Construction Program and modeled upon the sampling protocol described in "Chapter 7: Lead Based Paint Inspection" of the HUD Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing (1997 Revision.)

Cal/OSHA, in Title 8 California Code of Regulations (CCR) Section 1532.1, Lead in Construction Standard which implements California Labor Code 8716-6717, regulates all construction work where an employee may be occupationally exposed to lead. Paint or materials with any detectable lead are considered lead-containing by Cal/OSHA.

For purposes of this report, materials containing lead shall be defined as materials that XRF testing has determined contain a lead content at or above 0.01 mg/cm², or 0.00 mg/cm² readings which have not been confirmed with laboratory analysis of bulk samples. For bulk samples, lead containing materials are defined as those paints or coatings with a lead content at or above the reporting limit for the sample.

XRF Testing Methodology

Surfaces and components were surveyed for lead content utilizing a portable X-ray fluorescence (XRF) analyzer, Niton Model 300 XLp, serial number 26077. The XRF analyzer contains a radioactive cadmium source which bombards tested surfaces with X-rays and gamma rays. This external energy source excites any lead atoms within the tested paint or coating, causing their atoms to emit X-ray photons with a characteristic energy profile. The instrument analyzes the emitted energy to identify and quantify the amount of lead in the tested paint or coating, with lead content reported in milligrams per square centimeter.

Testing combinations of homogeneous components in one area are representative of similar components found in other areas with similar construction and painting histories. During this survey, the inspector visually identified the painted or coated component to test, an XRF reading was collected, and the reading was documented in the XRF data table contained in Appendix A. For each test reading, the data table identifies the room equivalent/space designation, the tested component name, the substrate material, the sample location, paint/coating color, condition assessment, and the XRF result expressed as lead content by weight in milligrams per square centimeter (mg/cm²).

Bulk Sample Methodology

XRF testing performed during this survey was used to determine which paints or coatings at the site have detectable concentrations of lead, and to determine which paints or coatings at the site are lead-based paint. Cal/OSHA does not accept XRF test results for use in determining that a paint or coating does not contain lead. Cal/OSHA requires laboratory analysis of a bulk sample to classify a paint or coating as lead-free. Bulk samples may have been collected to confirm some of the 0.00 mg/cm² XRF test readings obtained during this survey, particularly for non-intact surfaces for which preparatory work may be needed that may create worker exposures to lead. If the preponderance of XRF testing indicates lead-containing paints or coatings are present, verification of 0.00 mg/cm² results with bulk sampling will be limited as it will not change the repainting project requirements.



For bulk samples that may have been collected during this survey, samples were collected by a CDPH Lead Sampling Technician (under the direction of an Inspector/Assessor) or by an Inspector/Assessor using a knife, chisel or scraper. Such samples were logged on a chain of custody and shipped via FedEx to SGS – Forensic Laboratories (SGS) for analysis of lead content using flame atomic absorption spectroscopy (AAS). SGS is accredited by the American Industrial Hygiene Association's Environmental Lead Laboratory Accreditation Program for the analysis of bulk lead paint chip samples. Analysis results are expressed as percent by weight. Paints or coatings with a sample result listed as less than the reporting limit for the sample may be handled as not containing a detectable concentration of lead.

Findings and Recommendations

FACS' survey was limited to exterior paints and coatings on structures at this site. The following results were found regarding these paints or coatings from the inspection conducted on February 19 and 20, 2020:

Lead-Based Paints

Lead-based paints or coatings have lead content at or above 1.00 mg/cm², 5,000 parts per million or 0.5% by weight. The following paints or coatings were found to be lead-based by XRF analysis during this survey:

- Blue paint on metal window lites at Building 550
- Blue paint on metal window lites at Wing 800

Lead-Containing Paints

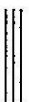
A lead-containing paint or coating is defined as any detectable lead concentration at any level; there is no lower bound to lead content in the applicable regulations. Please refer to the XRF data table in Appendix A for specific results for tested items. Any XRF test results with a positive value, paints that were not tested during this survey, or any 0.00 mg/cm² results which do not have corresponding verification by bulk sample analysis must be considered lead-containing.

Lead-Free Paints

Five bulk samples were collected during this survey to verify 0.00 mg/cm² XRF results for paints. Other XRF test readings yielding 0.00 mg/cm² results obtained during this survey were of paints or coatings which are in an intact state and are not expected to require any preparation work which might create a lead exposure if they did contain lead. If any of these paints or coatings will require preparation work, it must be assumed that they are lead-containing unless bulk sampled and proven to not contain detectable concentrations of lead.

Of the verification samples collected, laboratory analysis indicates that the following paints or coatings may be handled as "lead-free":

- Blue paint on metal stair stringer – Building 300
- White paint on metal overhang – Portable P-1
- Red paint on belly rail – Wing 100
- White paint on metal roof decking – Wing 100
- Grey paint on metal – Transformer Room – South of Building 500



Regulatory Requirements

Cal/OSHA & CDPH

Because not all paints, coatings, or components with XRF readings of 0.00 mg/cm² were confirmed by laboratory analysis, this project is regulated by Cal/OSHA as lead-related construction (8 CCR 1532.1).

A contractor who has employees that may be occupationally exposed to lead during this project must perform an initial determination regarding worker exposures to lead, which may be based on personal air monitoring at the start of the project, prior employee monitoring from the past 12 months under workplace conditions closely resembling the current project, or objective data demonstrating that exposures will not exceed the Cal/OSHA action level (30 micrograms per cubic meter of air). It is the contractor's responsibility to conduct their initial determination and comply with any relevant Cal/OSHA requirements.

Workers disturbing lead during this project must have lead awareness or action level training depending on the initial exposure determination and lead-safe work practices must be used. Disturbance of lead-containing paints or coatings must be performed within a contained area to prevent the spread and build-up of lead dust in order to comply with CDPH requirements. HEPA vacuums, dustless tools or shrouds, and/or intact removal of components should be employed to minimize lead dust generation and properly cleanup work areas following disturbance to lead-containing materials during this project. Waste generated during disturbance to lead-containing materials must be profiled in a hazardous waste determination to ascertain proper disposal requirements.

If the initial determination or initial exposure monitoring shows that workers impacting lead can be expected to be or are shown to be exposed to lead above the Cal/OSHA permissible exposure level (50 micrograms per cubic meter of air) workers and supervisors must have the requisite training and CDPH lead worker or supervisor certification.

EPA Renovation, Repair and Painting Rule

The EPA's Renovation, Repair, and Painting (RRP) rule applies to disturbance of lead-based paints at child-occupied facilities constructed before 1978. In the context of the RRP rule, child-occupied facility is defined as being visited by the same child under the age of 6 on two or more days per week for at least 3 hours per visit with a cumulative annual total of 60 hours. In California schools, children may be enrolled in Kindergarten if they are age 5 or older on or before September 1, and they may attend pre-Kindergarten summer programs or Transitional Kindergarten programs before being age-eligible for kindergarten.

While lead-based paints were detected during this survey, Buchanan High School does not meet the requirements for child-occupied facility due to the age of the students attending school at the site. The US EPA RRP rule does not apply to this painting project.

Asbestos

Based on the conditions of paints and limited preparation believed to be required, no asbestos testing was performed of suspect materials at this site. If any suspect materials will need to be disturbed (sanded, cut, abraded, etc.), they should be tested to verify asbestos-content or must be handled as asbestos-containing materials. Suspect materials include any material that is not bare metal, wood, glass, or rubber.

FACS recommends that the results of this report be incorporated into any renovation plans provided for this project for informational purposes.



Limitations

This investigation is limited to the conditions and practices observed and information made available to FACS. The methods, conclusions and recommendations provided are based on FACS' judgment, expertise and the standard of practice for professional service. They are subject to the limitations and variability inherent in the methodology employed. As with all environmental investigations, this investigation is limited to the defined scope and does not purport to set forth all hazards, nor indicate that other hazards do not exist.

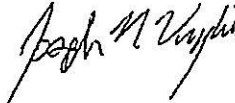
Please do not hesitate to contact our office at 559-436-0277 with any questions or concerns. Thank you for the opportunity to assist Clovis Unified School District with promoting worker, staff and student safety and a healthy environment.

Respectfully,
FORENSIC ANALYTICAL



Chris Chipponeri
Local Director, Central Valley Offices
Cal/OSHA CAC #10-4633
CDPH I/A #LRC-00000782

Reviewed by:
FORENSIC ANALYTICAL



Joseph M. Vuglia
Project Manager, FMS
Cal/OSHA CAC #13-5005
CDPH I/A #LRC-00000632
EPA RRP Certified Renovator



Appendix A
XRF Lead Testing Data, Lead Bulk Sample Chain of
Custody, Laboratory Results Report and CDPH Form 8552





Forensic Analytical Consulting Services

Clovis Unified School District

Buchanan High School

Lead Based Paint Survey By XRF

02/19-02/20/2020

SURVEY BY

Forensic Analytical Consulting Services

371 E BULLARD AVE., SUITE 109

FRESNO, CA 93710

(559) 436-0277



Forensic Analytical Consulting Services

Clovis Unified School District

Buchanan High School

Lead Based Paint Survey By XRF

REVIEWED BY

Chris Chipponeri

**CDPH CERTIFIED LEAD INSPECTOR/ASSESSOR
CERT. #LrRC-00000782 EXPIRATION 06/20/2020**



Forensic Analytical Consulting Services

LEAD-BASED PAINT (LBP) INSPECTION AND SAMPLE PROTOCOL

The lead-based paint survey at this site was conducted using the following inspection and sampling protocol:

DEFINITION OF LEAD-BASED PAINT

EPA/HUD/DHS: Paint which contains at least 1.0 mg/cm², 5000 parts per million, or 0.5% by weight of lead.

OSHA/Cal/OSHA: Lead containing paint which contains any detectable lead.

Cal/OSHA requires notification if over 100 sq. ft. of lead based paint (1.0 mg/cm² or higher) or presumed LBP (untested paint) is disturbed.

CONSTRUCTION YEARS

The building construction years as depicted in the report were supplied by others.

The condition of the paint was classified as follows:

INTACT: Paint is in good condition, with no chips, abrasions or delamination.

FAIR: Paint is reasonably intact, with minor chips and slight abrasions.

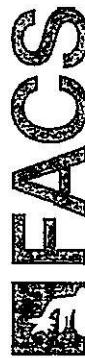
POOR: Paint is chipped, scraped, delaminated, or peeling.

EQUIPMENT AND CALIBRATION

Lead-based paint determination was performed using a Niton X-Ray Fluorescence (XRF) detector. Verification of calibration was performed prior to, and immediately following testing.

DISCLAIMER

Forensic Analytical Consulting Services, Inc. (FACS) has made every effort to sample every non-intact paint type and substrate within the structures at this site. If a painted surface that will be disturbed is not intact, and the paint is not listed in this report, the paint must be assumed to contain lead.



Forensic Analytical Consulting Services

SURVEY FOR LEAD BASED PAINT
Clovis Unified School District

Site Name:		Buchanan High School				Date:		02/19-02/20/2020		
Address:		1560 N. Minnewawa Avenue, Clovis, CA 93619						HMS Job #:		PI45618
Start Time:	1315	Calibration:	1.04 = 1.1	1.04 = 1.0	1.04 = 1.1	1.04 = 1.1	Technician:			Jeff Olsen
End Time:	1030	Calibration:	1.04 = 1.1	1.04 = 1.1	1.04 = 1.0	1.04 = 1.0	Inspector/Assessor:			Chris Chipponeri
Niton XLP 300 22314		See Lead-Based Paint Inspections, Sampling Protocol, & Definition of Lead-Based Paint on Page 1								
No.	Sample Location	Component	Substrate	Color	Condition	XRF Result (mg/cm2)				
1.	Admin Bldg									
2.		Storefront frame	Metal	Grey	I	0.00				
3.		Door	Metal	Blue	I	0.00				
4.		Wall	Concrete	White	I	0.00				
5.		Portical ceiling	Stucco	White	I	0.00				
6.		Portical support	Concrete	White	I	0.00				
7.	Eastside	Decorator pipe	Metal	Blue	I	0.00				
8.	Southside west end	Door	Metal	Blue	I	0.00				
9.	Westside center	Light post	Plastic	Grey	I	0.00				
10.	Northside service counter	Wall	CT	Grey	I	0.22				
11.		Door	Metal	Blue	I	0.00				
12.	Above service counter	Security screen	Metal	Blue	I	0.03				
13.	Westside North end	Fascia	Metal	Grey	I	0.00				
14.	Wing 100									
15.	East	Stair	Metal	Blue	I	0.00				
16.		Handrail	Metal	Blue	I	0.00				
17.		Stair stringer	Metal	Blue	I	0.00				
18.		Structural décor	Metal	Blue	I	0.00				



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Niton XLP 300 22314 See Lead-Based Paint Inspections, Sampling Protocol, & Definition of Lead-Based Paint on Page 1						
No.	Sample Location	Component	Substrate	Color	Condition	XRF Result (mg/cm2)
19.		Double doors	Metal	Red	I	0.00
20.		Door frame	Metal	White	I	0.00
21.	Northside east end	Vent louver	Metal	Grey	I	0.01
22.		Security stair	Metal	Black	P	0.02
23.		Roof decking	Metal	White	F	0.00
24.		Wall	Stucco	Grey	I	0.00
25.	Southside center	Belly rail	Metal	Red	I	0.00
26.	100/200	Stair stringer	Metal	Blue	I	0.00
27.	Bldg 200					
28.	Eastside	Door	Metal	Grey	I	0.00
29.		Door frame	Metal	Grey	I	0.00
30.		Wall	Metal	Grey	I	0.00
31.						
32.	Wing 300					
33.	Southside	Light pole	Metal	Grey	I	0.00
34.	Southside center	Double door	Metal	Red	I	0.00
35.	Westside	Stair	Metal	Blue	I	0.00
36.		Stair stringer	Metal	Blue	I	0.00



Forensic Analytical Consulting Services

SURVEY FOR LEAD BASED PAINT
Clovis Unified School District

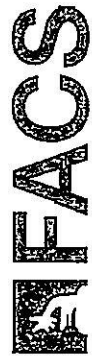
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Niton XLP 300 22314 See Lead-Based Paint Inspections, Sampling Protocol, & Definition of Lead-Based Paint on Page 1						
No.	Sample Location	Component	Substrate	Color	Condition	XRF Result (mg/cm2)
37.	Wing 400					
38.	Southside east end	Door	Metal	Blue	I	0.01
39.		Door frame	Metal	Grey	I	0.02
40.		Wall	Concrete	Grey	I	0.00
41.	Southside center	Flashing	Metal	Red	I	0.00
42.		Structural décor	Metal	Blue	I	0.00
43.	Theater					
44.	Westside center	Roll up door	Metal	Grey	I	0.00
45.		Roll up door frame	Metal	Grey	I	0.00
46.	Electrical room	Door	Metal	Grey	I	0.00
47.		Door frame	Metal	Grey	I	0.00
48.		Wall	Metal	Grey	I	0.00
49.	Northwest corner	Gate	Metal	Blue	I	0.00
50.		Shade support	Metal	Grey	I	0.00
51.		Stage door	Metal	Grey	I	0.00
52.	Energy Academy					
53.	Eastside center	Wall	Stucco	Grey	I	0.00
54.	Rm 915	Door	Metal	Blue	I	0.00



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No.	Sample Location	Component	Substrate	Color	Condition	XRF Result (mg/cm2)	
55.		Door frame	Metal	Blue	I	0.00	
56.	Elevator	Door frame	Metal	Grey	I	0.00	
57.	Westside center	Gas reg. spring	Metal	Black	I	0.00	
58.		Roll up door frame	Metal	Grey	I	0.00	
59.	P-1						
60.		Gutter	Metal	Grey	I	0.01	
61.		Overhang	Metal	Grey	I	0.00	
62.		Bldg frame	Metal	Grey	I	0.00	
63.		Wall	Wood	Grey	I	0.00	
64.		Window trim	Wood	Grey	I	0.00	
65.		Door	Metal	Blue	I	0.00	
66.		Door frame	Metal	Blue	I	0.00	
67.		Downspout	Metal	Grey	I	0.00	
68.	P-2						
69.		Gutter	Metal	Grey	I	0.00	
70.		Fascia	Wood	Grey	I	0.00	
71.		Overhang	Wood	Grey	I	0.00	
72.		Wall	Wood	Grey	I	0.00	



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Niton XLP 300 22314 See Lead-Based Paint Inspections, Sampling Protocol, & Definition of Lead-Based Paint on Page 1						
No.	Sample Location	Component	Substrate	Color	Condition	XRF Result (mg/cm2)
73.		Door	Metal	Blue	I	0.00
74.		Door frame	Metal	Blue	I	0.00
75.		Window trim	Wood	Grey	I	0.00
76.						
77.						
78. P-7						
79.		Gutter	Metal	Grey	I	0.00
80.		Overhang	Metal	Grey	I	0.01
81.		Downspout	Metal	Grey	I	0.04
82.		Bldg frame	Metal	Grey	I	0.04
83.		Wall	Wood	Grey	I	0.00
84.		Door	Metal	Blue	I	0.02
85.		Door frame	Metal	Blue	I	0.01
86. Calibration 1530		1.1 1.1 1.0				
87. Calibration time 0745 – 02/20/2020		1.1 0.9 1.0				
88. Bldg 450						
89. North side center		Soffit	Metal	Red	I	0.00
90.		Upper wall	Stucco	Grey	I	0.00



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Address: 1560 N. Minnewawa Avenue, Clovis, CA 93619		HMS Job #: PJ45618				
Start Time: 1315	Calibration: 1.04 = 1.1	1.04 = 1.0	1.04 = 1.1	Technician: Jeff Olsen		
End Time: 1030	Calibration: 1.04 = 1.1	1.04 = 1.1	1.04 = 1.0	Inspector/Assessor: Chris Chipponeri		
Niton XLP 300 22314 See Lead-Based Paint Inspections, Sampling Protocol, & Definition of Lead-Based Paint on Page 1						
No.	Sample Location	Component	Substrate	Color	Condition	XRF Result (mg/cm2)
91.		Wall	Concrete	Grey	I	0.00
92.		Door	Metal	Blue	I	0.00
93.		Storefront frame	Metal	Grey	I	0.00
94.		Décor steel	Metal	Blue	I	0.00
95. 450/MPR		Msg board Wall	Wood	Brown	F	0.00
96.		Frame	Metal	Grey	I	0.00
97.		Light pole	Metal	Grey	I	0.00
98. Multipurpose room						
99. Westside center		Soffit	Metal	Red	I	0.02
100		Soffit	Stucco	Grey	I	0.00
101		Wall	Stucco	White	I	0.00
102		Door	Metal	Red	I	0.00
103		Storefront frame	Metal	Grey	I	0.00
104 Northside center		Portico support frame	Metal	Grey	I	0.00
105 Bldg 500						
106		Soffit	Metal	Red	I	0.00
107		Wall	Concrete	Grey	I	0.00
108		Door	Metal	Blue	I	0.00



Forensic Analytical Consulting Services

SURVEY FOR LEAD BASED PAINT
Clovis Unified School District

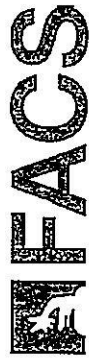
Site Name:	Buchanan High School				Date:	02/19-02/20/2020			
Address:	1560 N. Minnewawa Avenue, Clovis, CA 93619				HMS Job #:	PJ45618			
Start Time:	1315	Calibration:	1.04 = 1.1	1.04 = 1.1	1.04 = 1.0	1.04 = 1.1	Technician:	Jeff Olsen	
End Time:	1030	Calibration:	1.04 = 1.1	1.04 = 1.1	1.04 = 1.1	1.04 = 1.0	Inspector/Assessor:	Chris Chipponeri	
Niton XLP 300 22314		See Lead-Based Paint Inspections, Sampling Protocol, & Definition of Lead-Based Paint on Page 1						Condition Codes:	I = Intact, F = Fair, P = Poor
No.	Sample Location	Component	Substrate	Color	Condition	XRF Result (mg/cm2)			
109		Door frame	Metal	Blue	I	0.00			
110		Soffit	Stucco	Grey	I	0.00			
111	Transformer room near tennis courts	Vent louver	Metal	Grey	I	0.00			
112	Bldg 550								
113	Southwest corner Room 559	Downspout	Metal	White	F	0.20			
114		Gutter	Metal	Grey	I	0.00			
115		Wall	Stucco	Grey	I	0.00			
116		Wall	Stucco	White	I	0.00			
117		Storefront frame	Metal	Grey	I	0.00			
118		Window lite	Metal	Blue	I	1.90			
119		Unit vent louver	Metal	Grey	I	0.00			
120	Room 560	Upper wall flashing	Metal	Grey	I	0.00			
121		Portico structure	Metal	Blue	I	0.00			
122		Wall	Stucco	White	I	0.00			
123		Wall	Stucco	Grey	I	0.00			
124		Storefront frame	Metal	Grey	I	0.00			
125		Door	Metal	Blue	I	0.00			
126	West Gym								



Forensic Analytical Consulting Services

SURVEY FOR LEAD BASED PAINT
Clovis Unified School District

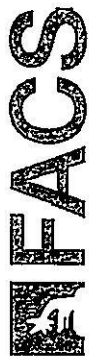
Site Name:		Buchanan High School				Date:		02/19-02/20/2020			
Address:		1560 N. Minnewawa Avenue, Clovis, CA 93619						HMS Job #:		Pj45618	
Start Time:	1315	Calibration:	1.04 = 1.1	1.04 = 1.1	1.04 = 1.0	1.04 = 1.1	Technician:			Jeff Olsen	
End Time:	1030	Calibration:	1.04 = 1.1	1.04 = 1.1	1.04 = 1.1	1.04 = 1.0	Inspector/Assessor:			Chris Chipponeri	
Niton XLP 300 22314		See Lead-Based Paint Inspections, Sampling Protocol, & Definition of Lead-Based Paint on Page 1								Condition Codes: I = Intact, F = Fair, P = Poor	
No.	Sample Location	Component	Substrate	Color	Condition	XRF Result (mg/cm2)					
127	West Gym										
128		Upper wall	Metal	White	I	0.00					
129		Lower wall	Concrete	Grey	I	0.00					
130		Storefront frame	Metal	Grey	I	0.00					
131		Double door	Metal	Blue	I	0.00					
132	Northeast corner	Light pole	Metal	Red	I	0.00					
133		Security fence	Metal	Blue	I	0.00					
134		Décor steel	Metal	Blue	I	0.00					
135		Soffit	Metal	Red	I	0.00					
136		Wall	Concrete	Grey	I	0.00					
137		Storefront frame	Metal	Grey	I	0.00					
138		Door	Metal	Blue	I	0.00					
139	Locker rooms										
140	Northwest corner	Soffit	Stucco	Grey	I	0.00					
141		Soffit	Metal	Red	I	0.00					
142		Corner post	Concrete	Grey	I	0.00					
143	Girls locker room	Storefront frame	Metal	Grey	I	0.00					
144		Door	Metal	Blue	I	0.00					



Forensic Analytical Consulting Services

SURVEY FOR LEAD BASED PAINT
Clovis Unified School District

Site Name:	Buchanan High School				Date:	02/19-02/20/2020	
Address:	1560 N. Minnewawa Avenue, Clovis, CA 93619				HMS Job #:	Pj45618	
Start Time:	1315	Calibration:	1.04 = 1.1	1.04 = 1.0	Technician:	Jeff Olsen	
End Time:	1030	Calibration:	1.04 = 1.1	1.04 = 1.0	Inspector/Assessor:	Chris Chipponeri	
Niton XLP 300 22314 See Lead-Based Paint Inspections, Sampling Protocol, & Definition of Lead-Based Paint on Page 1							
No.	Sample Location	Component	Substrate	Color	Condition	XRF Result (mg/cm2)	
145	West restrooms	Soffit	Metal	Red	I	0.00	
146		Décor steel	Metal	Blue	I	0.00	
147		Wall	Concrete	Grey	I	0.00	
148		Upper wall	Metal	White	I	0.00	
149		Door frame	Metal	Grey	I	0.00	
150		Door	Metal	Blue	I	0.00	
151	Lockers Northside center	Tiles	CT	Red	I	0.40	
152	Northeast corner	Soffit	Metal	Red	I	0.00	
153		Décor steel	Metal	Blue	I	0.00	
154	East restrooms	Décor steel	Metal	Blue	I	0.00	
155		Wall	Concrete	Grey	I	0.00	
156		Door frame	Metal	Grey	I	0.00	
157		Door	Metal	Blue	I	0.00	
158		Upper wall	Metal	White	I	0.00	
159	East gym						
160		Security fence	Metal	Blue	I	0.00	
161		Soffit	Metal	Red	I	0.00	
162		Wall	Concrete	Grey	I	0.00	



Forensic Analytical Consulting Services

SURVEY FOR LEAD BASED PAINT
Clovis Unified School District

Site Name:		Buchanan High School				Date:		02/19-02/20/2020	
Address:		1560 N. Minnewawa Avenue, Clovis, CA 93619				HMS Job #:		Pj45618	
Start Time:		1315	Calibration:		1.04 = 1.1	1.04 = 1.0	1.04 = 1.1	Technician: Jeff Olsen	
End Time:		1030	Calibration:		1.04 = 1.1	1.04 = 1.1	1.04 = 1.0	Inspector/Assessor: Chris Chipponeri	
Nifon XLP 300 22314		See Lead-Based Paint Inspections, Sampling Protocol, & Definition of Lead-Based Paint on Page 1							
No.	Sample Location	Component	Substrate	Color	Condition	XRF Result (mg/cm2)			
163		Storefront frame	Metal	Grey	I	0.00			
164		Door	Metal	Blue	I	0.00			
165		Wall	Stucco	White	I	0.00			
166									
167	Snack bar	Upper wall	Metal	White	I	0.00			
168		Décor steel	Metal	Blue	I	0.00			
169		Lower wall	Concrete	Grey	I	0.00			
170		Storefront frame	Metal	Grey	I	0.00			
171		Bldg frame	Metal	Blue	I	0.00			
172		Lower wall	Ct	Red	I	0.26			
173		Handrail	Metal	Silver	I	0.00			
174	Wing 800								
175	Room 801	Portico support	Metal	Blue	I	0.00			
176		Upper wall flashing	Metal	Grey	I	0.00			
177		Upper wall	Stucco	White	I	0.00			
178		Wall	Stucco	Grey	I	0.00			
179		Vent louver	Metal	Grey	I	0.01			
180		Storefront frame	Metal	Grey	I	0.00			



Forensic Analytical Consulting Services

SURVEY FOR LEAD BASED PAINT
Clovis Unified School District

Site Name:	Buchanan High School				Date:	02/19-02/20/2020	
Address:	1560 N. Minnewawa Avenue, Clovis, CA 93619				HMS Job #:	PJ45618	
Start Time:	1315	Calibration:	1.04 = 1.1	1.04 = 1.0	Technician:	Jeff Olsen	
End Time:	1030	Calibration:	1.04 = 1.1	1.04 = 1.1	Inspector/Assessor:	Chris Chipponeri	
Niton XLP 300 22314 See Lead-Based Paint Inspections, Sampling Protocol, & Definition of Lead-Based Paint on Page 1							
No.	Sample Location	Component	Substrate	Color	Condition	XRF Result (mg/cm2)	
181		Door	Metal	Blue	I	0.00	
182		Window lite	Metal	Blue	I	1.70	
183	Room 803	Storefront frame	Metal	Grey	I	0.00	
184		Door	Metal	Blue	I	0.00	
185		Window lite	Metal	Blue	I	1.50	
186	Room 808	Wall	Stucco	Grey	I	0.00	
187		Storefront frame	Metal	Grey	I	0.00	
188		Door	Metal	Blue	I	0.00	
189		Window lite	Metal	Blue	I	1.60	
190	Student store						
191		Awning	Metal	Blue	I	0.00	
192		Wall	Concrete	White	I	0.00	
193		Storefront frame	Metal	Grey	I	0.00	
194		Door	Metal	Red	I	0.00	
195	Closet Southeast corner	Door	Metal	Grey	I	0.00	
196		Door frame	Metal	Grey	I	0.00	
197		Wall	Concrete	Grey	I	0.00	
198	Bldg 850						



Forensic Analytical Consulting Services

SURVEY FOR LEAD BASED PAINT
Clovis Unified School District

Site Name:	Buchanan High School				Date:	02/19-02/20/2020	
Address:	1560 N. Minnewawa Avenue, Clovis, CA 93619				HMS Job #:	PI45618	
Start Time:	1315	Calibration:	1.04 = 1.1	1.04 = 1.0	1.04 = 1.1	Technician: Jeff Olsen	
End Time:	1030	Calibration:	1.04 = 1.1	1.04 = 1.1	1.04 = 1.0	Inspector/Assessor: Chris Chipponeri	
Niton XLP 300 22314 See Lead-Based Paint Inspections, Sampling Protocol, & Definition of Lead-Based Paint on Page 1							
No.	Sample Location	Component	Substrate	Color	Condition	XRF Result (mg/cm2)	
199	West entrance	Soffit	Metal	Blue	I	0.00	
200		Soffit	Stucco	Grey	I	0.00	
201		Wall	Concrete	Grey	I	0.00	
202		Double door	Metal	Red	I	0.00	
203		Storefront frame	Metal	Grey	I	0.00	
204	End Calibration 1030	1.1, 1.1, 1.0					



PAINT CHIP SAMPLE REQUEST FORM

Client: **FR09 FACS Fresno**
 Clovis Unified School District

Contact: **Harold Stevens** Phone: (559) 436-0277

Site: **Buchanan High School**
CLOVIS UNIFIED SCHOOL DISTRICT

Client No.: **C22975** FACS Job #: **PJ45618**

Sampled by: **Jeff Olsen** PM: **Harold Stevens** Date: **02/20/2020**

Special Instructions: E-mail results to E-mail results to hstevens@forensicanalytical.com and dpyle@forensicanalytical.com jolsen@forensicanalytical.com jeremy.noyola@forensicanalytical.com

Turnaround Time: 1-Day 2-Day 3-Day 5-Day Other

Analysis: Flame AA (Pb) / Other:

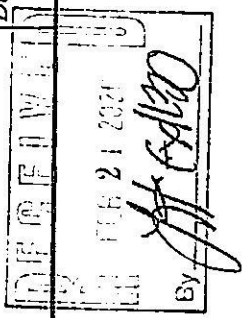
Sample Number	Sample Location	Component	Color	Substrate	Condition
PJ45618-01Pb	Building 300 Westside stair stringer	Paint	Blue	Metal	F
PJ45618-02Pb	Portable P-1, Overhang	Paint	White	Metal	F
PJ45618-03Pb	Wing 100, Southside center	Paint on belly rail	Red	Metal	F
PJ45618-04Pb	Wing 100, East end roof decking	Paint	White	Metal	P
PJ45618-05Pb	Transformer room, South of shops (Bldg500), Westside	Paint	Grey	Metal	I

Shipped via: Fed Ex Airborne UPS US Mail Courier Drop Off Other:

Substrate: wood metal concrete plaster drywall brick

Relinquished by: *[Signature]* Date & Time: 2/20/2020 Condition Acceptable Yes No

Relinquished by: *[Signature]* Date & Time: Condition Acceptable Yes No





Metals Analysis of Paints

(AIHA-LAP, LLC Accreditation, Lab ID #101762)

FACS - Fresno
Harold L Stevens
21228 Cabot Blvd.

Hayward, CA 94545

Client ID: FR09
Report Number: M222764
Date Received: 02/21/20
Date Analyzed: 02/26/20
Date Printed: 02/26/20
First Reported: 02/26/20

Job ID / Site: PJ45618; Buchanan High School CLOVIS UNIFIED SCHOOL DISTRICT 1560
N Minnewawa Ave Clovis CA 93619
Date(s) Collected: 02/20/20

SGSFL Job ID: FR09

Total Samples Submitted: 5
Total Samples Analyzed: 5

Sample Number	Lab Number	Analyte	Result	Result Units	Reporting Limit*	Method Reference
PJ45618-01PB	30866013	Pb	< 0.007	wt%	0.007	EPA 3050B/7000B
PJ45618-02PB	30866014	Pb	< 0.007	wt%	0.007	EPA 3050B/7000B
PJ45618-03PB	30866015	Pb	< 0.02	wt%	0.02	EPA 3050B/7000B
PJ45618-04PB	30866016	Pb	< 0.006	wt%	0.006	EPA 3050B/7000B
PJ45618-05PB	30866017	Pb	< 0.02	wt%	0.02	EPA 3050B/7000B

* The Reporting Limit represents the lowest amount of analyte that the laboratory can confidently detect in the sample, and is not a regulatory level. The Units for the Reporting Limit are the same as the Units for the Final Results.

Daniele Siu, Laboratory Supervisor, Hayward Laboratory

Analytical results and reports are generated by SGS Forensic Laboratories at the request of and for the exclusive use of the person or entity (client) named on such report. Results, reports or copies of same will not be released by SGS Forensic Laboratories to any third party without prior written request from client. This report applies only to the sample(s) tested. Supporting laboratory documentation is available upon request. This report must not be reproduced except in full, unless approved by SGS Forensic Laboratories. The client is solely responsible for the use and interpretation of test results and reports requested from SGS Forensic Laboratories. SGS Forensic Laboratories is not able to assess the degree of hazard resulting from materials analyzed. SGS Forensic Laboratories reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified. Any modifications that have been made to referenced test methods are documented in SGS Forensic Laboratories' Standard Operating Procedures Manual. Sample results have not been blank corrected. Quality control and sample receipt condition were acceptable unless otherwise noted.

LEAD HAZARD EVALUATION REPORT

Section 1 – Date of Lead Hazard Evaluation 02/19-02/20/2020

Section 2 – Type of Lead Hazard Evaluation (Check one box only)
 Lead Inspection Risk assessment Clearance Inspection Other (specify) Client Defined

Section 3 – Structure Where Lead Hazard Evaluation Was Conducted

Address [number, street, apartment (if applicable)] 1560 N Minnewawa Avenue		City Clovis	County Fresno	Zip Code 93619
Construction date (year) of structure unknown	Type of structure <input type="checkbox"/> Multi-unit building <input checked="" type="checkbox"/> School or daycare <input type="checkbox"/> Single family dwelling <input type="checkbox"/> Other _____		Children living in structure? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Don't Know	


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

Name Clovis Unified School District / Adam Belmont		Telephone number 559-327-9491		
Address [number, street, apartment (if applicable)] 1470 Herndon Avenue		City Clovis	State CA	Zip Code 93611

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

No lead-based paint detected Intact lead-based paint detected Deteriorated lead-based paint detected
 No lead hazards detected Lead-contaminated dust found Lead-contaminated soil found Other _____

Section 6 – Individual Conducting Lead Hazard Evaluation

Name Chris Chipponeri		Telephone number (209) 551-2000		
Address [number, street, apartment (if applicable)] 207 McHenry Ave		City Modesto	State CA	Zip Code 95354
CDPH certification number LRC-00000782	Signature 			Date 03/10/2020

Name and CDPH certification number of any other individuals conducting sampling or testing (if applicable)
Jeff Olsen LRC-00001196

Section 7 – Attachments

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

First copy and attachments retained by inspector
 Second copy and attachments retained by owner

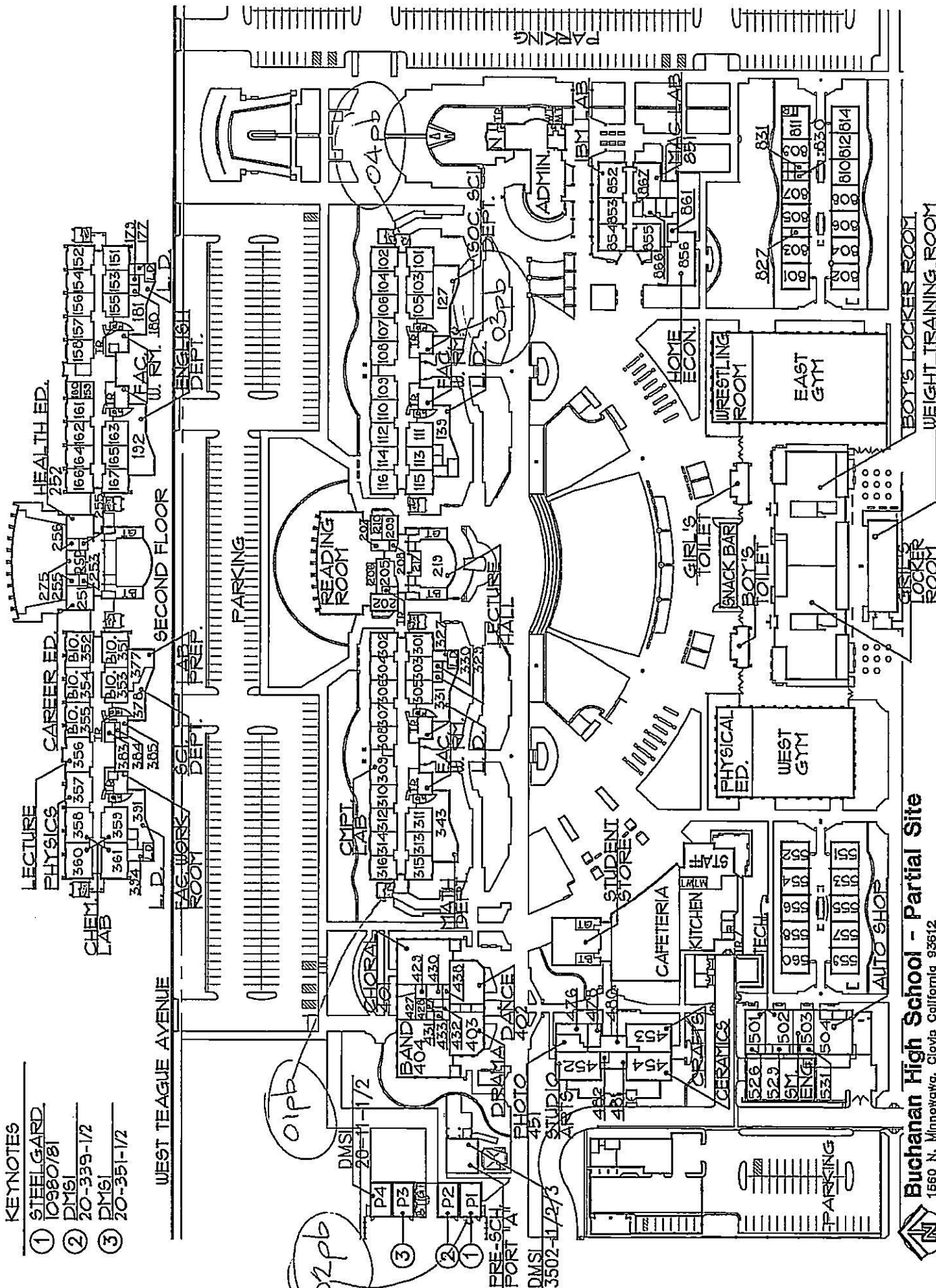
Third copy only (no attachments) mailed or faxed to:
 California Department of Public Health
 Childhood Lead Poisoning Prevention Branch Reports
 850 Marina Bay Parkway, Building P, Third Floor
 Richmond, CA 94804-6403
 Fax: (510) 620-5656

Appendix B

Site Drawing



- KEYNOTES
- ① STEELGARD
10980/81
 - ② DMSI
20-339-1/2
 - ③ DMSI
20-351-1/2



Buchanan High School - Partial Site
 1560 N. Minnewawa, Clovis California 93612



Appendix C

Certifications of Personnel and Laboratory



DEPARTMENT OF INDUSTRIAL RELATIONS
Division of Occupational Safety and Health
Asbestos Certification & Training Unit
2424 Arden Way, Suite 495
Sacramento, CA 95825-2417
(916) 574-2993 Office <http://www.dir.ca.gov/dosh/asbestos.html> acru@dir.ca.gov



101232873T

216

Forensic Analytical Consultant Services, Inc.
Jeffrey A Olsen
371 E Bullard Avenue, 109
Fresno CA 93710

December 18, 2019

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

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

Jeffrey A Olsen



Name

Certification No. 01-2873

Expires on 02/07/21

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

Renewal – Card Attached 08/2019



STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH



LEAD-RELATED CONSTRUCTION CERTIFICATE

INDIVIDUAL:	CERTIFICATE TYPE:	NUMBER:	EXPIRATION DATE:
	Lead Sampling Technician	LRC-00001196	7/21/2020

Jeffrey Olsen

Disclaimer: This document alone should not be relied upon to confirm certification status. Compare the individual's photo and name to another valid form of government issued photo identification. Verify the individual's certification status by searching for Lead-Related Construction Professionals at www.cdph.ca.gov/programs/clppb or calling (800) 597-LEAD.

DEPARTMENT OF INDUSTRIAL RELATIONS
Division of Occupational Safety and Health
Asbestos Certification & Training Unit
2424 Arden Way, Suite 495
Sacramento, CA 95825-2417
(916) 574-2993 Office (916) 483-0572 Fax
<http://www.dir.ca.gov/dosh/asbestos.html> acru@dir.ca.gov



005174633C

339

Hazard Management Services, Inc.
Christopher J Chipponeri
207 McHenry Ave.
Modesto CA 95354

June 14, 2019

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 contact our office at the above address or email with any changes in your contact/ mailing information within 15 days of the change.


Sincerely,

Jeff Ferrell
Senior Safety Engineer

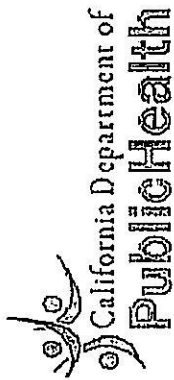
Attachment: Certification Card

cc: File

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

		Christopher J. Chipponeri <small>Name</small>
		Certification No. 104633 <small>Number</small>
		Expires on 06/16/20 <small>Date</small>
<small>This certification was issued by the Division of Occupational Safety and Health authorized by Sections 71801 et seq. of the Business and Professions Code.</small>		

Renewal – Card Attached (Revised 01/10/2019)



STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH



LEAD-RELATED CONSTRUCTION CERTIFICATE

INDIVIDUAL:  **Chris Chipponeri**
CERTIFICATE TYPE: Lead Inspector/Assessor
NUMBER: LRC-00000782
EXPIRATION DATE: 6/20/2020

Disclaimer: This document alone should not be relied upon to confirm certification status. Compare the individual's photo and name to another valid form of government issued photo identification. Verify the individual's certification status by searching for Lead-Related Construction Professionals at www.cdph.ca.gov/programs/clppb or calling (800) 597-LEAD.



AIHA Laboratory Accreditation Programs, LLC

acknowledges that

SGS Forensic Laboratories

3777 Depot Road, Suite 409, Hayward, CA 94545

Laboratory ID: 101762

along with all premises from which key activities are performed, as listed above, has fulfilled the requirements of the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC accreditation to the ISO/IEC 17025:2005 international standard, *General Requirements for the Competence of Testing and Calibration Laboratories* in the following:

LABORATORY ACCREDITATION PROGRAMS

- ✓ INDUSTRIAL HYGIENE
- ✓ ENVIRONMENTAL LEAD
- ✓ ENVIRONMENTAL MICROBIOLOGY
- FOOD
- ✓ UNIQUE SCOPES

- Accreditation Expires: December 01, 2020
- Accreditation Expires: December 01, 2020
- Accreditation Expires: December 01, 2020
- Accreditation Expires:
- Accreditation Expires: December 01, 2020

Specific Field(s) of Testing (FoT)/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached Scope of Accreditation. Continued accreditation is contingent upon successful on-going compliance with ISO/IEC 17025:2005 and AIHA-LAP, LLC requirements. This certificate is not valid without the attached Scope of Accreditation. Please review the AIHA-LAP, LLC website (www.aihaaccreditedlabs.org) for the most current Scope.

Beth Bair

Elizabeth Bair
Chairperson, Analytical Accreditation Board

Revision 17 - 09/11/2018

Cheryl O. Morton

Cheryl O. Morton
Managing Director, AIHA Laboratory Accreditation Programs, LLC

Date Issued: 08/02/2019

Right People
Right Perspective
Right Now

www.forensicanalytical.com



February 1, 2023

Limited Asbestos & Lead Paint Survey Report

Exterior Paint Survey
Maple Creek Elementary School
2025 East Teague Avenue
Fresno, California 93720

Prepared for:

Adam Belmont
Maintenance Department Manager
Clovis Unified School District
1470 Hamdon Avenue
Clovis, California 93611
559-327-9781 | adambelmont@cusd.com

Prepared By:

Joe Blair
Forensic Analytical Consulting Services
371 E. Bullard Avenue, Suite 109
Fresno, CA 93710
559-329-2590 | joe.blair@forensicanalytical.com

FACS Project #PJ74615

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**Appendix A: Asbestos Survey Summary,
Sample Chain-of-Custody and Laboratory
Results Report**

**Appendix B: Lead Paint Chip Summary, Sample
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Report, XRF Testing Data and CDPH 8552
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**Appendix C: Site Photos and Sample Location
Drawing**

**Appendix D: Certifications of Personnel and
Laboratories**

List of Acronyms

AAS	Atomic Absorption Spectroscopy
ACCM	Asbestos Containing Construction Material
ACM	Asbestos Containing Material
ASHERA	Asbestos Hazard Emergency Response Act
AIHA	American Industrial Hygiene Association
CAC	California - Certified Asbestos Consultant
Cal/OSHA	California Occupational Safety and Health Association
CCR	Code of California Regulations
CFR	Code of Federal Regulation
CSST	California – Certified Site Surveillance Technician
DOSH	Department of Occupational Safety and Health
ELAP	Environmental Laboratory Accreditation Program
EPA	Environmental Protection Agency (EPA)
FACS	Forensic Analytical Consulting Services, Inc.
FALI	Forensic Analytical Laboratories, Inc.
ND	None Detected
NESHAP	National Emissions Standard Hazardous Air Pollutants
NIOSH	National Institute for Occupational Safety and Health
NIST	National Institute of Science and Technology
NVLAP	National Voluntary Laboratory Accreditation Program
PCM	Phase Contrast Microscopy
PLM	Polarized Light Microscopy
SGS	SGS - Forensic Laboratories
TEM	Transmission Electron Microscopy
TTLC	Total Threshold Limit Concentration
XRF	X-Ray Fluorescence Spectrum Analyzer
<	Less Than Reporting Limit

Executive Summary

Forensic Analytical Consulting Services, Inc. (FACS) was retained by Clovis Unified School District to perform an asbestos and lead paint survey at the exterior of Maple Creek Elementary School, located at 2025 East Teague Avenue in Fresno, California. The survey included any suspect asbestos-containing materials (ACM) and suspect paints and coatings which may be disturbed during the planned repainting project. A summary list of suspect asbestos-containing materials which were identified and sampled is included in Appendix A of this report. A table reporting suspect lead-containing paints or coatings which were identified and sampled is included in Appendix B of this report. The survey was performed on January 20, 2023.

Asbestos

The following suspect materials were sampled and identified to not contain asbestos by laboratory analysis during this survey:

- **Paint, Off-White on Stucco Wall – Administration, Multi-purpose, East Class Wing, West Class Wing, South Class Wing, Restroom Structure, and Kindergarten**
- **Paint, White on Conduit – Southern Class Wing at Damage**
- **Paint, White on Stucco Wall – Administration, Multi-purpose, East Class Wing, West Class Wing, South Class Wing, Restroom Structure, and Kindergarten**

Please see Appendix A for a complete listing of materials sampled at the work areas and results from this survey. Any suspect materials not included must be assumed to be asbestos-containing materials until tested and proven not to contain asbestos.

Lead

The following paints/coatings did not contain detectable concentrations of lead above the laboratory's reporting limit:

- **White Paint on Metal Flashings – Administration, Multi-purpose, East Class Wing, West Class Wing, South Class Wing, Restroom Structure, and Kindergarten**
- **White Paint on Metal Door Frames – Administration, Multi-purpose, East Class Wing, West Class Wing, South Class Wing, Restroom Structure, and Kindergarten**
- **Blue Paint on Metal Wall Trims– Administration, Multi-purpose, East Class Wing, West Class Wing, South Class Wing, Restroom Structure, and Kindergarten**
- **Blue Paint on Metal Doors– Administration, Multi-purpose, East Class Wing, West Class Wing, South Class Wing, Restroom Structure, Portables, and Kindergarten**
- **White Paint on Wood Walls – Portables**
- **Blue Paint on Wood Window Trim – Portables**
- **White Paint on Stucco Wall – Administration, Multi-purpose, East Class Wing, West Class Wing, South Class Wing, Restroom Structure, and Kindergarten**
- **Off-White Paint on Stucco Wall – Administration, Multi-purpose, East Class Wing, West Class Wing, South Class Wing, Restroom Structure, and Kindergarten**

All other paints contained detectable concentrations of lead by XRF analysis or laboratory analysis. Any paints not included in the survey, or paints with results of 0.00 mg/cm² by XRF analysis without confirming laboratory analysis, must be handled as lead-containing unless sampled and proven otherwise.

FACS recommends that the results of this report be incorporated into any renovation plans provided for this project for informational purposes.

Introduction

Forensic Analytical Consulting Services, Inc. (FACS) was retained by Clovis Unified School District to perform an asbestos and lead paint survey at the exterior of Maple Creek Elementary School, located at 2025 East Teague Avenue in Fresno, California. The survey included any suspect asbestos-containing materials (ACM) and suspect paints and coatings which may be disturbed during the planned repainting project. The survey was performed on January 20, 2023.

Scope of Work

The purpose of this survey was to identify asbestos-containing materials (ACMs) and lead-containing paints and coatings which may be disturbed during the upcoming repainting project. The visual inspection, bulk sampling, and survey documentation were performed by Joe Blair. Mr. Blair is a Division of Occupational Safety and Health (DOSH) Certified Site Surveillance Technician (CSST #21-6955) and a California Department of Public Health (CDPH) Certified Lead Sampling Technician (LRC-00008673). All work was completed under the supervision and direction of Chris Chipponeri, who is a DOSH Certified Asbestos Consultant (CAC #10-4633) and CDPH Certified Lead Inspector/Assessor (LRC-00000782), as required under California regulations. The scope of the survey and the services provided by FACS included:

- Performing a visual inspection of the project area to identify accessible suspect asbestos-containing materials (ACMs) and lead-containing paints and coatings that will be disturbed during the planned project;
- Collection of bulk material samples for asbestos laboratory analysis by polarized light microscopy (PLM);
- Performance of a lead paint survey using a SciAps X-550 x-ray fluorescence (XRF) spectrum analyzer;
- Collection of bulk paint chip samples for lead laboratory analysis using atomic absorption spectrometry (AAS);
- Ensuring the technical quality of all work by using Asbestos Hazard Emergency Response Act (AHERA) accredited Building Inspectors;
- Ensuring the technical quality of all work by using California Department of Public Health (CDPH) Certified Lead Sampling Technicians and Inspector/Assessors;
- Consolidating data and findings into a report format.

Site Characterization

Maple Creek Elementary School is a typical elementary school campus with various permanent and temporary buildings. Permanent buildings are slab-on-grade, wood framed structures and comprised of common construction materials such as stucco, various sealants, and composition shingle roofing. Temporary buildings on site are slab-on-grade, wood framed structures and comprised of common construction materials such as tackboard, T111 siding, and false ceiling panels. The paints observed on site generally consist of shades of white with navy blue accenting trim components.

Survey Methods

Document Review

No previous documentation was reviewed prior to the inspection. The extent of the planned renovation project was provided by Adam Belmont of Clovis Unified School District.

Visual Inspection

Accessible building materials were visually inspected using the methods presented in the Federal AHERA regulations (40 CFR, Part 763). AHERA inspection methodology is required to be used for inspections of K-12 schools and is generally accepted as the industry standard for all ACM inspections regardless of structure or facility type. Suspect ACMs were also physically assessed for friability, condition and possible disturbance factors.

All areas were accessible during this inspection.

Asbestos Inspection

Bulk Sample Collection

Bulk samples of identified homogeneous materials were collected in building areas that may be impacted by the planned renovation/demolition activities. Samples were collected of each separate homogeneous area. A homogeneous area is defined as a surfacing material, thermal system insulation, or miscellaneous material that is uniform in use, color and texture. Examples of homogeneous areas could include:

- Stucco
- False ceiling panels
- Drywall with joint compound
- Composition shingles

The specific number of samples collected was determined by using the methods required by the Federal AHERA regulations (40 CFR, Part 763.86) as noted below:

- 1) For Surfacing Material:
 - 1,000 ft² or less - collect 3 samples
 - 1,001 to 5,000 ft² - collect 5 samples
 - 5,001 ft² or greater - collect 7 samples
- 2) For Thermal System Insulation:
 - "In a randomly distributed manner" - collect 3 samples
 - 6 linear feet of patching or less - collect 1 sample
 - cementitious pipe fittings - "In a manner sufficient to determine"
- 3) For all Miscellaneous Material:
 - Collect samples "In a manner sufficient to determine whether material is ACM (asbestos-containing material) or not ACM..."

The suspect ACMs were sampled using a knife, chisel, scraper, drill or other similar coring device suitable to the type of material sampled to cut through its entire thickness and to ensure that a cross-section of the material was obtained. The material was then placed in an appropriately labeled container

that was sealed and submitted to SGS-Forensic Laboratories for analysis. A unique sample number (e.g. PJ74615-01A) was assigned to each sample.

Bulk samples will be retained by the laboratory for one month unless otherwise instructed. After this period, the samples will be disposed of appropriately.

Bulk Sample Analysis

A total of three (3) bulk samples were collected from a total of three (3) suspect materials. Bulk samples were analyzed by SGS-Forensic Laboratories (SGS) in Hayward, California. SGS is accredited by the California Department of Public Health (CDPH) Environmental Laboratory Accreditation Program (ELAP) and the National Institute of Science and Technology's (NIST) National Voluntary Laboratory Accreditation Program (NVLAP). SGS participates in the National Institute for Occupational Safety and Health (NIOSH) Proficiency Analytical Testing Program and has substantial experience in the analysis of asbestos.

All samples were analyzed using Polarized Light Microscopy with Dispersion Staining (PLM/DS) techniques in accordance with the methodology approved by the U.S. Environmental Protection Agency (EPA). The percentage of asbestos present in the samples was determined on the basis of a visual area estimation. The EPA defines asbestos-containing materials (ACM) as any material containing more than one percent (1%) asbestos as determined using the method specified in Appendix A, Subpart F, 40 CFR Part 763, Section 1, Polarized Light Microscopy (PLM). 40 CFR Part 763 identifies the lower limit of reliable quantification for asbestos using the PLM method as approximately one percent (1%) by volume. Regulations in California (CAL/OSHA Title 8 CCR 1529) define asbestos-containing construction materials (ACCM) as those materials having asbestos content of greater than one tenth of one percent (> 0.1%); therefore, for the purpose of this survey, any amount of asbestos detected will be considered positive. In addition to the percentages, the types of asbestos minerals are also reported. The PLM method is the standard method used to analyze asbestos bulk samples.

When "None Detected" (ND) appears in the laboratory results, it should be interpreted as meaning asbestos was not observed in the sample material.

Lead Inspection

The client-defined lead inspection was conducted in accordance with the CDPH Lead-Related Construction Program and modeled upon the sampling protocol described in "Chapter 7: Lead Based Paint Inspection" of the HUD Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing (1997 Revision).

Cal/OSHA, in Title 8 California Code of Regulations (CCR) Section 1532.1, Lead in Construction Standard which implements California Labor Code 8716-6717, regulates all construction work where an employee may be occupationally exposed to lead. Paint or materials with any detectable level of lead is considered lead-containing by Cal/OSHA.

XRF Testing Methodology

Surfaces and components were surveyed for lead content utilizing a portable X-ray fluorescence spectrum (XRF) analyzer, SciAps Model X550, serial number 01149. The XRF analyzer contains an electrically powered x-ray cathode tube which bombards tested surfaces with X-rays and gamma rays. This external energy source excites any lead atoms within the tested paint or coating, causing their atoms to emit X-ray photons with a characteristic energy profile. The instrument analyzes the emitted energy to identify and quantify the amount of lead in the tested paint or coating, with lead content reported in milligrams per square centimeter.

Testing combinations of homogeneous components in one area are representative of similar components found in other areas with similar construction and painting histories. During this survey, the inspector visually identified the painted or coated component to test, an XRF reading was collected, and the reading was documented in the XRF data table contained in Appendix B. For each test reading, the data table identifies the room equivalent/space designation, the tested component name, the substrate material, the sample location, paint/coating color, condition assessment, and the XRF result expressed as lead content by weight in milligrams per square centimeter (mg/cm²).

Bulk Sampling Methodology

During this inspection, FACS personnel collected eleven (11) bulk paint chip samples for laboratory confirmation of lead-content. Each sample was scraped from the substrate it had been applied to using a knife or chisel to obtain sufficient material for analysis. Each sample was given a unique marker number, identified on a chain-of-custody, packaged, and sent via FedEx to SGS in Hayward, California for analysis. SGS is accredited by the American Industrial Hygiene Association's Environmental Lead Laboratory Accreditation Program for the analysis of lead in bulk paint chips by flame atomic absorption.

Regulations

Background

Asbestos is the name of a class of magnesium-silicate minerals that occur in fibrous form. Minerals that are included in this group are chrysotile, crocidolite, amosite, anthophyllite asbestos, tremolite asbestos, and actinolite asbestos. Although the chrysotile minerals are the most common type of asbestos found in the construction industry, all types of asbestos are regulated in the same manner. Asbestos has been used in more than 3,000 different building materials. Asbestos was added to building materials to: increase fire-resistance, insulate against heat, cold and sound, resist corrosion, and increase tensile strength. Common building materials that may contain asbestos include but are not limited to the following: floor tile, resilient sheet flooring, ceiling tile, mastics, roofing materials, fireproofing, acoustical treatments, wallboard, pipe and boiler insulations. Adverse health effects have been associated with the inhalation of airborne asbestos. However, asbestos fibers that are tightly bound in the building material, may not represent an exposure hazard, unless disturbed in such a way that releases airborne fibers (i.e., cutting, drilling, sanding, and other abrasive methods).

Building Surveys

The following is a summary of some current Federal and California State regulations which contain requirements related to the performance of building surveys for asbestos. These summaries are not intended to be all inclusive and do not contain every aspect of the regulations discussed.

U.S. EPA National Emission Standard for Hazardous Air Pollutants (NESHAPs), 40 CFR Part 61

Under the NESHAPs regulation, no visible emissions are allowed during building demolition or renovation activities which involve regulated asbestos-containing materials. For this reason, all buildings must be surveyed for asbestos-containing materials prior to demolition or renovation. The EPA, CARB, and/or the local Air Quality Management District which implements EPA actions, must be notified prior to any building demolition even if no asbestos-containing materials are present.

Regulated asbestos-containing material (RACM) is defined as a) any friable material with an asbestos content of greater than one percent, or b) any non-friable material with asbestos content of greater than one percent that will, or could, become friable.

Asbestos Hazard Emergency Response Act (AHERA), 40 CFR Part 763, Subpart E

AHERA requires performance of asbestos surveys and the development of Asbestos Management Plans for all primary and secondary schools in the United States. Although this regulation applies to primary and secondary schools only, the procedures mandated under AHERA are considered the industry standard and are applied to all surveys performed by FACS unless otherwise specified by the building owner.

Worker Protection

California Assembly Bill AB3713, Health and Safety Code Division 20, Chapter 10.4, Section 25915-25924

The state of California has enacted legislation that requires building owners, employers, lessees, etc. to notify tenants, employees and contractors of the presence of asbestos in both friable and non-friable forms. In addition, preventive maintenance activities must be developed and communicated to these parties. Notification is required 15 days after the identification of ACM in the building, and annually thereafter.

Occupational Safety and Health Administration (OSHA) 29 CFR 1926.1101 and 8 CCR 1529

The Federal and State Occupational Safety and Health Administrations (OSHA) require employers to implement specific work practices which protect workers from airborne asbestos exposure.

Building materials which contain even low levels of asbestos (<1%) can potentially generate significant concentrations of airborne asbestos fibers when disturbed. Therefore, control measures should be instituted which adequately address worker health and safety during planned renovation or demolition activities involving these materials. Cal/OSHA defines asbestos-containing construction materials as those materials having greater than one tenth of one percent asbestos (>0.1%). As stated previously, there is currently no viable method to accurately quantify asbestos at this level.

Hazardous Waste

Building materials reported to contain less than one percent (<1%) of asbestos are not considered hazardous by the U.S. EPA, and hence, may not require removal and disposal prior to demolition or renovation. Regulations may vary, however, between regional air quality management districts and/or other state agencies responsible for implementing EPA's rules. Therefore, local agencies should be contacted for specific ACM definitions and handling requirements. Cal/OSHA may also require special packaging and labeling on containers with asbestos-containing construction materials.

Composite sampling, which may potentially reduce the total asbestos content of the material, is only permitted when sampling joint compound, tape, and gypsum wallboard according to EPA's Asbestos NESHAP Clarification Regarding Analysis of Multi-Layered Systems (40 CFR Part 61 FRL-4821-7).

Lead

Cal/OSHA Lead (8 CCR 1532.1) & CDPH (Title 17)

If paints or coatings containing any detectable concentration of lead will be impacted, a project should be considered regulated by Cal/OSHA as lead-related construction (8 CCR 1532.1).

A contractor who has employees that may be occupationally exposed to lead during a project must perform an initial determination regarding worker exposures to lead, which may be based on personal air

monitoring at the start of the project, prior employee monitoring from the past 12 months under workplace conditions closely resembling the current project, or objective data demonstrating that exposures will not exceed the Cal/OSHA action level (30 micrograms per cubic meter of air). It is the contractor's responsibility to conduct their initial determination and comply with any relevant Cal/OSHA requirements.

Workers disturbing existing paints or coatings during a project must have lead awareness or action level training depending on the initial exposure determination and lead-safe work practices must be used. Disturbance of lead-containing paints or coatings must be performed within a contained area to prevent the spread and build-up of lead dust in order to comply with CDPH requirements. HEPA vacuums, dustless tools or shrouds, and/or intact removal of components should be employed to minimize lead dust generation and properly cleanup work areas following disturbance to lead-containing materials during a project. Waste generated during disturbance to lead-containing materials must be profiled in a hazardous waste determination to ascertain proper disposal requirements.

If the initial determination or initial exposure monitoring shows that workers impacting lead can be expected to be or are shown to be exposed to lead above the Cal/OSHA permissible exposure level (50 micrograms per cubic meter of air) workers and supervisors must have the requisite training and CDPH lead worker or supervisor certification.

EPA Renovation, Repair and Painting Rule Requirements

The EPA's Renovation, Repair, and Painting (RRP) rule applies to disturbance of lead-based paints at child-occupied facilities constructed before 1978. In the context of the RRP rule, child-occupied facility is defined as being visited by the same child under the age of 6 on two or more days per week for at least 3 hours per visit with a cumulative annual total of 60 hours.

Since no lead-based paints were detected as part of the survey for this specific project, the US EPA RRP rule will not apply to the upcoming project. If the project scope expands to other areas not included in this survey, applicability of the RRP rule should be reviewed to the new scope of work.

Findings and Recommendations

Forensic Analytical Consulting Services, Inc. (FACS) was retained by Clovis Unified School District to perform an asbestos and lead paint survey at the exterior of Maple Creek Elementary School, located at 2025 East Teague Avenue in Fresno, California. The survey was performed on January 20, 2023.

Asbestos

The following suspect materials were sampled and identified to **not contain** asbestos by laboratory analysis during this survey:

- **Paint, Off-White on Stucco Wall – Administration, Multi-purpose, East Class Wing, West Class Wing, South Class Wing, Restroom Structure, and Kindergarten**
- **Paint, White on Conduit – Southern Class Wing at Damage**
- **Paint, White on Stucco Wall – Administration, Multi-purpose, East Class Wing, West Class Wing, South Class Wing, Restroom Structure, and Kindergarten**

Please see Appendix A for a complete listing of materials sampled at the work areas and results from this survey. Any suspect materials not included must be assumed to be asbestos-containing materials until tested and proven not to contain asbestos.

See the Regulations section above for additional information regarding asbestos compliance.

Lead

The following paints/coatings did not contain detectable concentrations of lead above the laboratory's reporting limit:

- **White Paint on Metal Flashings – Administration, Multi-purpose, East Class Wing, West Class Wing, South Class Wing, Restroom Structure, and Kindergarten**
- **White Paint on Metal Door Frames – Administration, Multi-purpose, East Class Wing, West Class Wing, South Class Wing, Restroom Structure, and Kindergarten**
- **Blue Paint on Metal Wall Trims– Administration, Multi-purpose, East Class Wing, West Class Wing, South Class Wing, Restroom Structure, and Kindergarten**
- **Blue Paint on Metal Doors– Administration, Multi-purpose, East Class Wing, West Class Wing, South Class Wing, Restroom Structure, Portables, and Kindergarten**
- **White Paint on Wood Walls – Portables**
- **Blue Paint on Wood Window Trim – Portables**
- **White Paint on Stucco Wall – Administration, Multi-purpose, East Class Wing, West Class Wing, South Class Wing, Restroom Structure, and Kindergarten**
- **Off-White Paint on Stucco Wall – Administration, Multi-purpose, East Class Wing, West Class Wing, South Class Wing, Restroom Structure, and Kindergarten**

All other paints contained detectable concentrations of lead by XRF analysis or laboratory analysis. Any paints not included in the survey, or paints with results of 0.00 mg/cm² by XRF analysis without confirming laboratory analysis, must be handled as lead-containing unless sampled and proven otherwise.

Workers that impact paints containing any detectable amount of lead must use lead-safe practices and have valid training for the method of impact to comply with Cal/OSHA, 8 CCR 1532.1. To comply with CDPH requirements, any disturbance to paints or coatings that contain lead must be completed within a contained area to prevent the creation of a lead hazard. To comply with California Department of Toxic Substance Control and Title 22 requirements, any waste streams containing lead must be profiled prior to disposal.

See the Regulations section above for additional information regarding lead compliance.

FACS recommends that the results of this report be incorporated into any renovation plans provided for this project for informational purposes.

Limitations

This investigation is limited to the conditions and practices observed, and information made available to FACS. The methods, conclusions and recommendations provided are based on FACS' judgment, expertise, and the standard of practice for professional service. They are subject to the limitations and variability inherent in the methodology employed. As with all environmental investigations, this investigation is limited to the defined scope and does not purport to set forth all hazards, nor indicate that other hazards do not exist.

Please do not hesitate to contact our office at 559-329-2590 with any questions or concerns. Thank you for the opportunity to assist Clovis Unified School District with promoting worker safety and a healthy environment.

Respectfully,
FORENSIC ANALYTICAL



Joe Blair
Sr. Environmental Health Specialist
Cal/OSHA CSST #21-6955
CDPH LRC-00008673

Reviewed by:
FORENSIC ANALYTICAL



Chris Chipponeri
Local Director, Central Valley Offices
Cal/OSHA CAC #10-4633
CDPH LRC-00000782

Appendix A Asbestos Survey Summary, Sample Chain-of-Custody and Laboratory Results Report

Asbestos Survey Summary (Lab Report #B343114) CUSD – Maple Creek Elementary School – Exterior Paint Survey Survey Date: January 20, 2023						
Sample Number	Material Description	Location(s) of Material	Material Number	Asbestos Content (%)	Asbestos NESHAP Category	Approximate Quantity (ft ²)
01A	Paint on Stucco, Off-White	Administration, Multi-purpose, East Class Wing, West Class Wing, South Class Wing, Restroom Structure, and Kindergarten at Walls	01	Layer: Grey Non-Fibrous Material None Detected Layer: Paint None Detected	NA	NA
02A	Conduit Paint, White	Southern Class Wing Southeast Corner at Damaged Paint	02	Layer: Paint None Detected	NA	NA
03A	Paint on Stucco, White	Administration, Multi-purpose, East Class Wing, West Class Wing, Restroom Structure, and Kindergarten at Walls and Soffits	03	Layer: Grey Cementitious Material None Detected Layer: Paint None Detected	NA	NA



FORENSIC
LABORATORIES

1 of 1

Analysis Request Form (COC)

Client Name & Address: FACS Fresno 371 E. Bullard ave. #109 Fresno, CA 93710		Client No.: FR09	PO / Job#: PJ74615	Date: 1/20/23
Contact: Joe Blair		Phone: (559) 329-2590	Turn Around Time: Same Day / 1Day / 2Day / 3Day / 4Day / 5 Day	
E-mail: joe.blair@forensicanalytical.com		<input type="checkbox"/> PCM: <input type="checkbox"/> NIOSH 7400A / <input type="checkbox"/> NIOSH 7400B <input type="checkbox"/> Rotometer <input checked="" type="checkbox"/> PLM: <input checked="" type="checkbox"/> Standard / <input type="checkbox"/> Point Count 400-1000 / <input type="checkbox"/> CARB 435		
Site Name: CUSD - EXT Paint Survey		<input type="checkbox"/> TEM Air: <input type="checkbox"/> AHERA / <input type="checkbox"/> Yamate2 / <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> TEM Bulk: <input type="checkbox"/> Quantitative / <input type="checkbox"/> Qualitative / <input type="checkbox"/> Chatfield <input type="checkbox"/> TEM Water: <input checked="" type="checkbox"/> Potable / <input type="checkbox"/> Non-Potable / <input type="checkbox"/> Weight % <input type="checkbox"/> TEM Microvac: <input type="checkbox"/> Qual / <input type="checkbox"/> D5755(str/area) / <input type="checkbox"/> D5756(str/moss)		
Site Location: 2025 E Teague Avenue, Fresno, CA 93720		<input type="checkbox"/> IAQ Particle Identification (PLM LAB) <input type="checkbox"/> PLM Opaques/Soot <input type="checkbox"/> Particle Identification (TEM LAB) <input type="checkbox"/> Special Project <input type="checkbox"/> Metals Analysis Matrix: Method: Analytes:		

Comments: Please also email results to cchlipponeri@forensicanalytical.com Silica in Air w/Gravimetry Quartz Only

Sample ID	Date / Time	Sample Location / Description	FOR AIR SAMPLES ONLY				Sample Area / Air Volume
			Type	Time On/Off	Avg LPM	Total Time	
PJ74615 - 01A	1/20/23	Paint on Stucco, Off White West Class Wina - NW Corner	A P C				
PJ74615 - 02A	1/20/23	Conduit Paint, White Southern Class Wina SE Corner at Damage	A P C				
PJ74615 - 03A	1/20/23	Paint on Stucco, White Multi Purpose SE Corner at Chiller Yard	A P C				
			A P C				
			A P C				
			A P C				
			A P C				
			A P C				
			A P C				
			A P C				

Sampled By: Joe Blair	Date/Time: 1/20/23	Shipped Via: <input checked="" type="checkbox"/> Fed Ex <input type="checkbox"/> UPS <input type="checkbox"/> US Mail <input type="checkbox"/> Courier <input type="checkbox"/> Drop Off <input type="checkbox"/> Other:		
Relinquished By:	Relinquished By:	Relinquished By:		
Date / Time: 1-20-23/1:700	Date / Time:	Date / Time:		
Received By:	Received By:	Received By:		
Date / Time: JAN 23 2023 1:30	Date / Time:	Date / Time:		
Condition Acceptable? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Condition Acceptable? <input type="checkbox"/> Yes <input type="checkbox"/> No	Condition Acceptable? <input type="checkbox"/> Yes <input type="checkbox"/> No		

SGS Forensic Laboratories may subcontract client samples to other SGSFL locations to meet client requests.
 San Francisco Office: 3777 Depot Road, Suite 409, Hayward, CA 94545-2761 • Phone: 510/887-8828 • 800/827-3274
 Los Angeles Office: 20535 South Belshaw Ave., Carson, CA 90746 • Phone: 310/763-2374 • 888/813-9417
 Las Vegas Office: 6765 S. Eastern Avenue, Suite 3, Las Vegas, NV 89119 • Phone: 702/784-0040



Bulk Asbestos Analysis

(EPA Method 40CFR, Part 763, Appendix E to Subpart E and EPA 600/R-93-116, Visual Area Estimation)
NVLAP Lab Code: 101459-0

FACS - Fresno
Joseph Blair
21228 Cabot Blvd.

Hayward, CA 94545

Client ID: FR09
Report Number: B343114
Date Received: 01/23/23
Date Analyzed: 01/25/23
Date Printed: 01/26/23
First Reported: 01/26/23

Job ID/Site: PJ74615; Clovis Unified School District - Maintenance Dept. Maple Creek
Elementary School 2025 E Teague Ave Fresno CA 93720
Date(s) Collected: 01/20/2023

SGSFL Job ID: FR09
Total Samples Submitted: 3
Total Samples Analyzed: 3

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
PJ74615-01A	12636394						
Layer: Grey Non-Fibrous Material			ND				
Layer: Paint			ND				
Total Composite Values of Non-Asbestos Fibrous Components:							
Cellulose (Trace)							
PJ74615-02A	12636395						
Layer: Paint			ND				
Total Composite Values of Non-Asbestos Fibrous Components:							
Cellulose (Trace) Fibrous Glass (Trace)							
PJ74615-03A	12636396						
Layer: Grey Cementitious Material			ND				
Layer: Paint			ND				
Total Composite Values of Non-Asbestos Fibrous Components:							
Cellulose (Trace)							

Tad Thrower, Laboratory Supervisor, Hayward Laboratory

Note: Limit of Quantification ('LOQ') = 1%. 'Trace' denotes the presence of asbestos below the LOQ. 'ND' = 'None Detected'.

Analytical results and reports are generated by SGS Forensic Laboratories (SGSFL) at the request of and for the exclusive use of the person or entity (client) named on such report. Results, reports or copies of same will not be released by SGSFL to any third party without prior written request from client. This report applies only to the sample(s) tested. Supporting laboratory documentation is available upon request. This report must not be reproduced except in full, unless approved by SGSFL. The client is solely responsible for the use and interpretation of test results and reports requested from SGSFL. SGSFL is not able to assess the degree of hazard resulting from materials analyzed. SGS Forensic Laboratories reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified. All samples were received in acceptable condition unless otherwise noted.

**Appendix B
Lead Paint Chip Summary, Sample Chain-of-Custody,
Laboratory Results Report, XRF Testing Data and
CDPH 8552 Form**

Lead Paint Chip Summary (Lab Report #M248040) CUSD – Maple Creek Elementary School – Exterior Paint Survey Survey Date: January 20, 2023					
Sample Number	Component Location	Component	Color	Substrate	Analytical Results (weight percent of lead)
Pb01	Multi-Purpose Building – East Side at Chiller Yard	Flashing	White	Metal	< 0.006
Pb02	Administration Building West Side	Flashing	White	Metal	< 0.007
Pb03	Restroom Structure – North Side, East End	Door Frame	White	Metal	< 0.007
Pb04	Eastern Classroom Wing – East Side	Wall Trim	Blue	Metal	< 0.006
Pb05	Restroom Structure – North Side	Door	Blue	Metal	< 0.006
Pb06	Portables – South Side East End at Damage	Wall	White	Wood	< 0.007
Pb07	Portables – South Side East End	Window Trim	Blue	Wood	< 0.006
Pb08	Western Classroom Wing – Southeast Corner	Wall	White	Stucco	< 0.006
Pb09	Restroom Structure – Southeast Corner	Wall	Off-White	Stucco	< 0.006
Pb10	Kindergarten Building – North Side at Soffit	Soffit	White	Stucco	< 0.007
Pb11	Between Southern Classroom and Portables	Drinking Fountain	Blue	Metal	0.056



FORENSIC
LABORATORIES

1 of 2

Analysis Request Form (COC)

Client Name & Address: FACS Fresno 371 E. Bullard ave. #109 Fresno, CA 93710		Client No.: FR09	PO / Job#: PJ74615	Date: 1/20/23
Contact: Joe Blair		Phone: (559) 329-2590	Turn Around Time: <input type="checkbox"/> Same Day / <input type="checkbox"/> 1Day / <input type="checkbox"/> 2Day / <input type="checkbox"/> 3Day / <input type="checkbox"/> 4Day / <input checked="" type="checkbox"/> 5Day	
E-mail: joe.blair@forensicanalytical.com		<input type="checkbox"/> PCM: <input type="checkbox"/> NIOSH 7400A / <input type="checkbox"/> NIOSH 7400B <input type="checkbox"/> Rotometer <input type="checkbox"/> PLM: <input type="checkbox"/> Standard / <input type="checkbox"/> Point Count 400-1000 / <input type="checkbox"/> CARB 435		
Site Name: CUSD - EXT Paint Survey		<input type="checkbox"/> TEM Air: <input type="checkbox"/> AHERA / <input type="checkbox"/> Yamate2 / <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> TEM Bulk: <input type="checkbox"/> Quantitative / <input type="checkbox"/> Qualitative / <input type="checkbox"/> Chaifield <input type="checkbox"/> TEM Water: <input type="checkbox"/> Potable / <input type="checkbox"/> Non-Potable / <input type="checkbox"/> Weight % <input type="checkbox"/> TEM Microvac: <input type="checkbox"/> Qual / <input type="checkbox"/> D5755(str/area) / <input type="checkbox"/> D5756(str/mass)		
Site Location: 2025 E Teague Avenue, Fresno, CA 93720		<input type="checkbox"/> IAQ Particle Identification (PLM LAB) <input type="checkbox"/> PLM Opaques/Soot <input type="checkbox"/> Particle Identification (TEM LAB) <input type="checkbox"/> Special Project <input checked="" type="checkbox"/> Metals Analysis Matrix: Solid Method: Flame AA Analytes: Lead		
Comments: Please also email results to cchipponeri@forensicanalytical.com				<input type="checkbox"/> Silica in Air <input type="checkbox"/> w/Grovimetry <input type="checkbox"/> Quartz Only

Sample ID	Date / Time	Sample Location / Description	FOR AIR SAMPLES ONLY				Sample Area / Air Volume
			Type	Time On/Off	Avg LPM	Total Time	
PJ74615 - Pb01	1/20/23	White Paint on Metal Flashing Multi Purpose Room - East Side at Chiller Yard	A P E				
PJ74615 - Pb02	1/20/23	White Paint on Metal Flashing Administration West Side	A P E				
PJ74615 - Pb03	1/20/23	White Paint on Metal Door Frame Restroom Structure North Side E End	A P E				
PJ74615 - Pb04	1/20/23	Blue Paint on Metal Wall Trim East Class Wing East Side	A P E				
PJ74615 - Pb05	1/20/23	Blue Paint on Metal Door Blue Paint on Metal Door RR N. Side	A P E				
PJ74615 - Pb06	1/20/23	White Paint on Wood Wall Portables - South Side East End at Damage	A P E				
PJ74615 - Pb07	1/20/23	Blue Paint on Wood Window Trim Portables - South Side East End	A P E				
PJ74615 - Pb08	1/20/23	White Paint on Stucco Wall West Classroom Wing SE Corner	A P E				
PJ74615 - Pb09	1/20/23	Off-White Paint on Stucco Wall Restroom Structure - SE Corner	A P E				
PJ74615 - Pb10	1/20/23	White Paint on Stucco Soffit Kindergarten - N Side at Overhang	A P E				

Sampled By: Joe Blair	Date/Time: 1/20/23	Shipped Via: <input checked="" type="checkbox"/> Fed Ex <input type="checkbox"/> UPS <input type="checkbox"/> US Mail <input type="checkbox"/> Courier <input type="checkbox"/> Drop Off <input type="checkbox"/> Other:			
Relinquished By: <i>[Signature]</i>	Relinquished By:	Relinquished By:			
Date / Time: 1-20-23/1700	Date / Time:	Date / Time:			
Received By: <i>[Signature]</i>	Received By:	Received By:			
Date / Time: JAN 23 2023 1130	Date / Time:	Date / Time:			
Condition Acceptable? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Condition Acceptable? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Condition Acceptable? <input type="checkbox"/> Yes <input type="checkbox"/> No			

SGS Forensic Laboratories may subcontract client samples to other SGSFL locations to meet client requests.
 San Francisco Office: 3777 Depot Road, Suite 409, Hayward, CA 94545-2761 • Phone: 510/887-8828 • 800/827-3274
 Los Angeles Office: 20535 South Belshaw Ave., Carson, CA 90746 • Phone: 310/763-2374 • 888/813-9417
 Las Vegas Office: 6765 S. Eastern Avenue, Suite 3, Las Vegas, NV 89119 • Phone: 702/784-0040

2 of 2



Analysis Request Form (COC)

Client Name & Address: FACS Fresno 371 E. Bullard ave. #109 Fresno, CA 93710		Client No.: FR09	PO / Job#: PJ74615	Date: 1/20/23
Contact: Joe Blair		Phone: (559) 329-2590	Turn Around Time: Same Day / 1Day / 2Day / 3Day / 4Day / 5Day	
E-mail: joe.blair@forensicanalytical.com		<input type="checkbox"/> PCM: <input type="checkbox"/> NIOSH 7400A / <input type="checkbox"/> NIOSH 74008 <input type="checkbox"/> Rotometer <input type="checkbox"/> PLM: <input type="checkbox"/> Standard / <input checked="" type="checkbox"/> Point Count 400-1000 / <input type="checkbox"/> CARB 435		
Site Name: CUSD - EXT Paint Survey		<input type="checkbox"/> TEM Air: <input type="checkbox"/> AHERA / <input type="checkbox"/> Yamate2 / <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> TEM Bulk: <input type="checkbox"/> Quantitative / <input type="checkbox"/> Qualitative / <input type="checkbox"/> Chatfield <input checked="" type="checkbox"/> TEM Water: <input checked="" type="checkbox"/> Potable / <input checked="" type="checkbox"/> Non-Potable / <input checked="" type="checkbox"/> Weight % <input checked="" type="checkbox"/> TEM Microvac: <input checked="" type="checkbox"/> Qual / <input checked="" type="checkbox"/> D5755(str/area) / <input type="checkbox"/> D5756(str/mass)		
Site Location: 2025 E Teague Avenue, Fresno, CA 93720		<input type="checkbox"/> IAQ Particle Identification (PLM LAB) <input type="checkbox"/> PLM Opaques/Soot <input type="checkbox"/> Particle Identification (TEM LAB) <input type="checkbox"/> Special Project <input checked="" type="checkbox"/> Metals Analysis Matrix: Solid Method: Flame AA Analytes: Lead		

Comments: Please also email results to cchipponeri@forensicanalytical.com Silica in Air w/Gravimetry Quartz Only

Sample ID	Date / Time	Sample Location / Description	FOR AIR SAMPLES ONLY				Sample Area / Air Volume
			Type	Time On/Off	Avg LPM	Total Time	
PJ74615 - Pb11	1/20/23	Blue Paint on Metal Drinking Fountain Between Southern Classroom and Portables	A P F				
			A P C				
			A P C				
			A P E				
			A P E				
			A P E				
			A P E				
			A P E				
			A P E				
			A P E				

Sampled By: Joe Blair		Date/Time: 1/20/23	Shipped Via: <input checked="" type="checkbox"/> Fed Ex <input type="checkbox"/> UPS <input type="checkbox"/> US Mail <input type="checkbox"/> Courier <input type="checkbox"/> Drop Off <input type="checkbox"/> Other		
Relinquished By: <i>[Signature]</i>	Relinquished By:	Relinquished By:	Date / Time: 1-20-23/1700	Date / Time:	Date / Time:
Received By: <i>[Signature]</i>	Received By:	Received By:	Date / Time: <i>FO-5065 1130</i>	Date / Time:	Date / Time:
Condition Acceptable? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Condition Acceptable? <input type="checkbox"/> Yes <input type="checkbox"/> No	Condition Acceptable? <input type="checkbox"/> Yes <input type="checkbox"/> No	JAN 20 2023		

SGS Forensic Laboratories may subcontract client samples to other SGSFL locations to meet client requests.
 San Francisco Office: 3777 Depot Road, Suite 409, Hayward, CA 94545-2761 • Phone: 510/887-8828 • 800/827-3274
 Los Angeles Office: 20536 South Belshaw Ave., Carson, CA 90746 • Phone: 310/763-2374 • 888/813-9417
 Las Vegas Office: 6765 S. Eastern Avenue, Suite 3, Las Vegas, NV 89119 • Phone: 702/784-0040



Metals Analysis of Paints

(AIHA-LAP, LLC Accreditation, Lab ID #101762)

FACS - Fresno
Joseph Blair
21228 Cabot Blvd.

Hayward, CA 94545

Client ID: FR09
Report Number: M248040
Date Received: 01/23/23
Date Analyzed: 01/26/23
Date Printed: 01/26/23
First Reported: 01/26/23

Job ID / Site: PJ74615; Clovis Unified School District - Maintenance Dept. Maple Creek
Elementary School 2025 E Teague Ave Fresno CA 93720
Date(s) Collected: 1/20/23

SGSFL Job ID: FR09

Total Samples Submitted: 11
Total Samples Analyzed: 11

Sample Number	Lab Number	Analyte	Result	Result Units	Reporting Limit*	Method Reference
PJ74615-PB01	30916628	Pb	< 0.006	wt%	0.006	EPA 3050B/7000B
PJ74615-PB02	30916629	Pb	< 0.007	wt%	0.007	EPA 3050B/7000B
PJ74615-PB03	30916630	Pb	< 0.007	wt%	0.007	EPA 3050B/7000B
PJ74615-PB04	30916631	Pb	< 0.006	wt%	0.006	EPA 3050B/7000B
PJ74615-PB05	30916632	Pb	< 0.006	wt%	0.006	EPA 3050B/7000B
PJ74615-PB06	30916633	Pb	< 0.007	wt%	0.007	EPA 3050B/7000B
PJ74615-PB07	30916634	Pb	< 0.006	wt%	0.006	EPA 3050B/7000B
PJ74615-PB08	30916635	Pb	< 0.006	wt%	0.006	EPA 3050B/7000B
PJ74615-PB09	30916636	Pb	< 0.006	wt%	0.006	EPA 3050B/7000B
PJ74615-PB10	30916637	Pb	< 0.007	wt%	0.007	EPA 3050B/7000B
PJ74615-PB11	30916638	Pb	0.056	wt%	0.006	EPA 3050B/7000B

* The Reporting Limit represents the lowest amount of analyte that the laboratory can confidently detect in the sample, and is not a regulatory level. The Units for the Reporting Limit are the same as the Units for the Final Results.

Kevin Poon, Laboratory Analyst, Hayward Laboratory

Analytical results and reports are generated by SGS Forensic Laboratories at the request of and for the exclusive use of the person or entity (client) named on such report. Results, reports or copies of same will not be released by SGS Forensic Laboratories to any third party without prior written request from client. This report applies only to the sample(s) tested. Supporting laboratory documentation is available upon request. This report must not be reproduced except in full, unless approved by SGS Forensic Laboratories. The client is solely responsible for the use and interpretation of test results and reports requested from SGS Forensic Laboratories. SGS Forensic Laboratories is not able to assess the degree of hazard resulting from materials analyzed. SGS Forensic Laboratories reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified. Any modifications that have been made to referenced test methods are documented in SGS Forensic Laboratories' Standard Operating Procedures Manual. Sample results have not been blank corrected. Quality control and sample receipt condition were acceptable unless otherwise noted.

Note* Sampling data used in this report was provided by the client as noted on the associated chain of custody form.



Forensic Analytical Consulting Services

SURVEY FOR LEAD BASED PAINT

Site Name:		Maple Creek Elementary School Exterior Paint Survey				Date:		1/20/2023	
Address:		2025 East Teague Avenue, Fresno, CA 93720				Job #:		PJ74615	
Start Time:		0800	Calibration:		1.04 = 1.0	1.04 = 1.0	Technician:		Joe Blair
End Time:		1200	Calibration:		1.04 = 1.1	1.04 = 1.0	Inspector/Assessor:		Chris Chipponeri
SciAps X-550		Readings highlighted in red are considered to be lead-based							
No.	Sample Location	Color	Substrate	Component	Condition	XRF Result (mg/cm2)	Condition Codes: I = Intact, F = Fair, P = Poor		
1.	Administration Building North Side	White	Stucco	Wall	I	0.00			
2.	Administration Building North Side	White	Metal	Window Frame	I	0.00			
3.	Administration Building North Side	Off-White	Stucco	Wall	I	0.00			
4.	Administration Building Northeast End	White	Metal	Louvers	I	0.00			
5.	Administration Building Northeast End	Blue	Metal	Wall Trim	I	0.00			
6.	Administration Building North Side	Blue	Metal	Door	I	0.00			
7.	Administration Building North Side	White	Metal	Door Frame	I	0.00			
8.	Administration Building North Side	White	Metal	Flashing	I	0.00			
9.	Administration Building West Side	White	Stucco	Wall	I	0.00			
10.	Administration Building West Side	Off-White	Stucco	Wall	I	0.00			
11.	Administration Building West Side	Blue	Metal	Wall Trim	I	0.00			
12.	Administration Building South Side	White	Metal	HVAC Conduit	I	0.00			
13.	Administration Building South Side	White	Stucco	Soffit	I	0.00			
14.	Administration Building South Side	White	Metal	Transom	I	0.00			
15.	Multipurpose Building West Side	Blue	Metal	Door	I	0.00			
16.	Multipurpose Building West Side	White	Metal	Door Trim	I	0.00			
17.	Multipurpose Building West Side	White	Metal	Window Trim	I	0.00			
18.	Multipurpose Building West Side	White	Stucco	Wall	I	0.00			
19.	Multipurpose Building West Side	Off-White	Stucco	Wall	I	0.00			
20.	Multipurpose Building West Side	White	Metal	Handrail	I	0.00			



Forensic Analytical Consulting Services

SURVEY FOR LEAD BASED PAINT

Site Name:		Maple Creek Elementary School Exterior Paint Survey				Date:	1/20/2023	
Address:		2025 East Teague Avenue, Fresno, CA 93720				Job #:	PJ74615	
Start Time:	0800	Calibration:	1.04 = 1.0	1.04 = 1.0	1.04 = 1.0	Technician:	Joe Blair	
End Time:	1200	Calibration:	1.04 = 1.1	1.04 = 1.0	1.04 = 1.0	Inspector/Assessor:	Chris Chipponeri	
SciAps X-550	Readings highlighted in red are considered to be lead-based							
No.	Sample Location	Color	Substrate	Component	Condition	XRF Result (mg/cm2)	Condition Codes: I = Intact, F = Fair, P = Poor	
21.	Multipurpose Building South Side	White	Metal	Handrail	I	0.00		
22.	Multipurpose Building West Side	White	Stucco	Wall	I	0.00		
23.	Multipurpose Building West Side	Off-White	Stucco	Wall	I	0.00		
24.	Multipurpose Building West Side	Blue	Metal	Door	I	0.00		
25.	Multipurpose Building West Side	White	Stucco	Soffit	I	0.00		
26.	Multipurpose Building Southeast at Chiller Yard	Blue	Metal	Door	I	0.00		
27.	Multipurpose Building Southeast at Chiller Yard	White	Metal	Door Frame	I	0.00		
28.	Multipurpose Building Southeast at Chiller Yard	White	Porcelain	Drinking Fountain	I	0.00		
29.	Eastern Classroom Wing North Side	White	Stucco	Wall	I	0.00		
30.	Eastern Classroom Wing North Side	Off-White	Stucco	Wall	I	0.00		
31.	Eastern Classroom Wing North Side	Blue	Metal	Wall Trim	I	0.00		
32.	Eastern Classroom Wing North Side	White	Stucco	Soffit	I	0.00		
33.	Eastern Classroom Wing North Side	White	Metal	Window Frame	I	0.00		
34.	Eastern Classroom Wing North Side	White	Metal	Flashing	I	0.00		
35.	Eastern Classroom Wing East Side	White	Metal	Conduit Box	I	0.22		
36.	Eastern Classroom Wing East Side	White	Stucco	Wall	I	0.00		
37.	Eastern Classroom Wing East Side	Off-White	Stucco	Wall	I	0.00		
38.	Eastern Classroom Wing East Side	Blue	Metal	Wall Trim	I	0.00		
39.	Eastern Classroom Wing East Side	Off-White	Stucco	Wall	I	0.00		
40.	Eastern Classroom Wing East Side	White	Stucco	Wall	I	0.00		



Forensic Analytical Consulting Services

SURVEY FOR LEAD BASED PAINT

Site Name:		Maple Creek Elementary School Exterior Paint Survey					Date:	1/20/2023	
Address:		2025 East Teague Avenue, Fresno, CA 93720					Job #:	PJ74615	
Start Time:	0800	Calibration:	1.04 = 1.0	1.04 = 1.0	1.04 = 1.0	1.04 = 1.0	Technician:	Joe Blair	
End Time:	1200	Calibration:	1.04 = 1.1	1.04 = 1.0	1.04 = 1.0	1.04 = 1.0	Inspector/Assessor:	Chris Chipponeri	
SciAps X-550	Readings highlighted in Red are considered to be lead-based								
No.	Sample Location	Color	Substrate	Component	Condition	XRF Result (mg/cm2)			
41.	Eastern Classroom Wing East Side	White	Stucco	Soffit	I	0.00			
42.	Restroom Structure North Side	White	Stucco	Wall	I	0.00			
43.	Restroom Structure North Side	Off-White	Stucco	Wall	I	0.00			
44.	Restroom Structure North Side	Blue	Metal	Door	I	0.00			
45.	Restroom Structure North Side	White	Metal	Door Frame	I	0.00			
46.	Restroom Structure North Side	Blue	Metal	Wall Trim	I	0.00			
47.	Restroom Structure North Side	White	Metal	Flashing	I	0.00			
48.	Southern Portable Wing North Side	White	Wood	Wall	I	0.00			
49.	Southern Portable Wing North Side	White	Wood	Soffit	I	0.00			
50.	Southern Portable Wing North Side	Blue	Wood	Window Frame	I	0.00			
51.	Southern Portable Wing North Side	White	Metal	Shipping Container	I	0.00			
52.	Southern Portable Wing South Side	White	Metal	HVAC Wall Unit	I	0.00			
53.	Southern Portable Wing South Side	White	Metal	C Channel	I	0.00			
54.	Southern Portable Wing South Side	Blue	Wood	Fascia	I	0.00			
55.	Southern Classroom Wing South Side	White	Metal	Conduit Box	I	0.00			
56.	Southern Classroom Wing South Side	White	Stucco	Wall	I	0.00			
57.	Southern Classroom Wing South Side	Off-White	Stucco	Wall	I	0.00			
58.	Southern Classroom Wing South Side	White	Metal	Window Frame	I	0.00			
59.	Southern Classroom Wing South Side	White	Metal	Conduit Line	I	0.00			

Condition Codes:
I = Intact, F = Fair, P = Poor



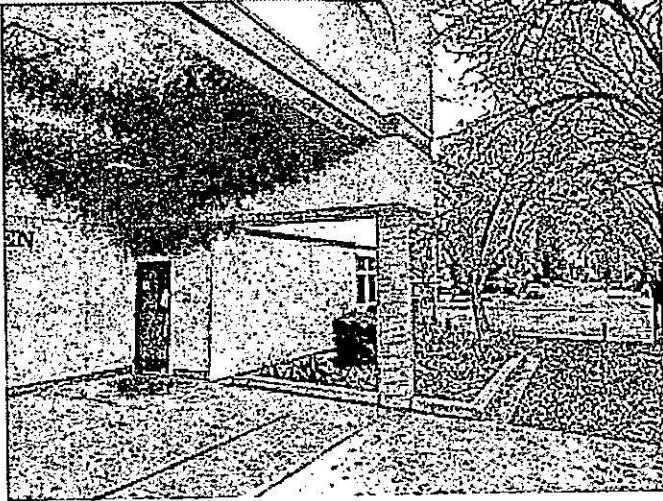
Forensic Analytical Consulting Services

SURVEY FOR LEAD BASED PAINT

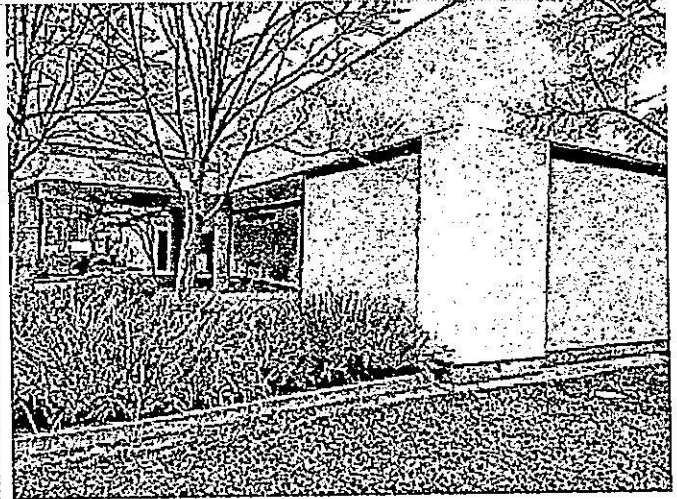
Site Name:		Maple Creek Elementary School Exterior Paint Survey				Date:	1/20/2023	
Address:		2025 East Teague Avenue, Fresno, CA 93720				Job #:	PJ74615	
Start Time:	0800	Calibration:	1.04 = 1.0	1.04 = 1.0	1.04 = 1.0	Technician:	Joe Blair	
End Time:	1200	Calibration:	1.04 = 1.1	1.04 = 1.0	1.04 = 1.0	Inspector/Assessor:	Chris Chipponeri	
SciAps X-550	Readings highlighted in red are considered to be lead-based							
No.	Sample Location	Color	Substrate	Component	Condition	XRF Result (mg/cm2)		
60.	Southern Classroom Wing South Side	White	Metal	Conduit Box	I	0.17		
61.	Southern Classroom Wing South Side	White	Metal	Louwer Screen	I	0.00		
62.	Southern Classroom Wing South Side	Blue	Metal	Drinking Fountain	I	0.19		
63.	Kindergarten Building North Side	White	Stucco	Wall	I	0.00		
64.	Kindergarten Building North Side	Off-White	Stucco	Wall	I	0.00		
65.	Kindergarten Building North Side	Blue	Metal	Door	I	0.00		
66.	Kindergarten Building North Side	Blue	Metal	Wall Trim	I	0.00		
67.	Kindergarten Building North Side	White	Metal	Door Trim	I	0.00		
68.	Kindergarten Building North Side	White	Stucco	Soffit	I	0.00		
69.	Western Classroom Wing	Off-White	Stucco	Wall	I	0.00		
70.	Western Classroom Wing	White	Stucco	Wall	I	0.00		
71.	Western Classroom Wing	White	Stucco	Soffit	I	0.00		
72.	Western Classroom Wing	Blue	Metal	Wall Trim	I	0.00		
73.	Western Classroom Wing	White	Stucco	Soffit	I	0.00		
74.	Western Classroom Wing	White	Metal	Window Frame	I	0.00		
75.	Western Classroom Wing	White	Metal	Flashing	I	0.00		

Condition Codes:
I = Intact, F = Fair, P = Poor

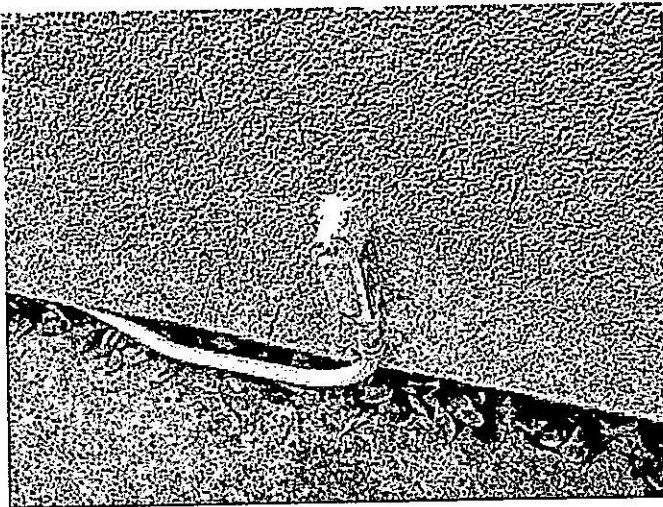
Appendix C Site Photos and Sample Location Drawing



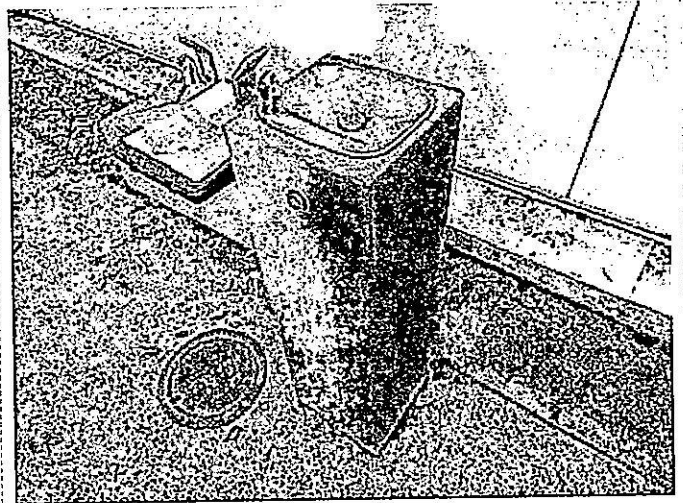
Blue Paint on Metal Wall Trim



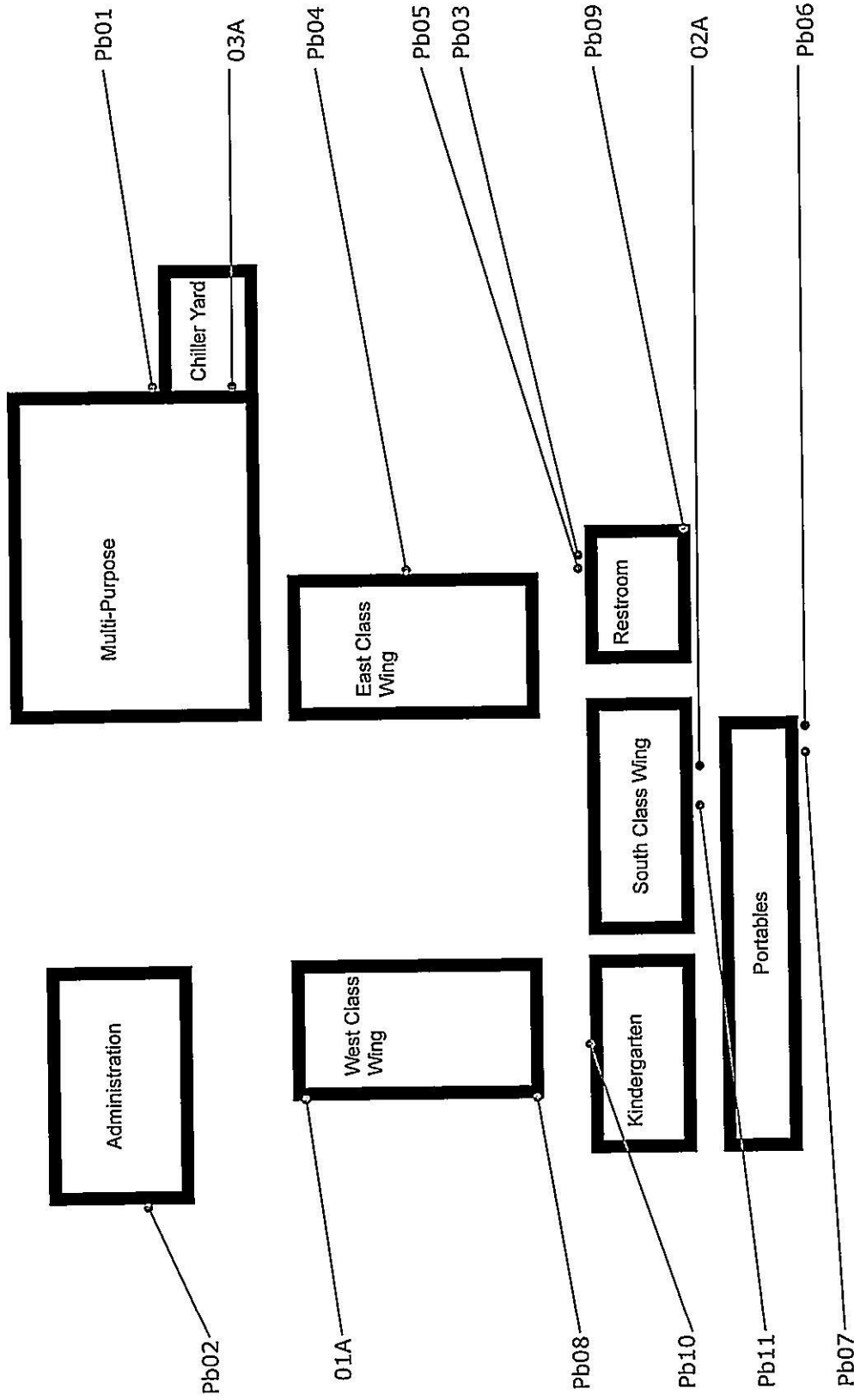
White Paint on Stucco Walls

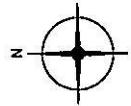



Lead Containing Paint on Metal Conduit Line



Lead Containing Paint on Metal Drinking Fountain



FACS 35 Forensic Analytical Consulting Services 371 E Bullard Ave Suite #109 Fresno, CA 93710	 N	Sample Location  01A	Maple Creek Elementary School - Exterior Paint Survey	Clovis Unified School District LOCATION: 2025 East Teague Avenue, Fresno, CA 93720	Joe Blair
					FACS PROJECT No.: PJ74615

This is a design drawing and is the property of Forensic Analytical Consulting Services, Inc. It is not intended to replace required architectural or engineering plans.

Appendix D

Certifications of Personnel and Laboratories

DEPARTMENT OF INDUSTRIAL RELATIONS

Division of Occupational Safety and Health-Asbestos Certification

1750 Howe Avenue, Suite 460

Sacramento, CA 95825

(916) 574-2993 Office <http://www.dir.ca.gov/dosh/asbestos.html> actu@dir.ca.gov



110076955T

461

Forensic Analytical Consulting Services, Inc.
Joseph T Blair
371 E Bullard Ave, Suite 109
Fresno CA 93710.

September 27, 2022

Dear Certified Asbestos Consultant or Technician:

Enclosed is your certification card. Your certification card number has changed to reflect the year you were first certified. If you have any questions regarding this matter please email our office and we will be happy to answer any questions. **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 contact our office at the above address or email w any changes in your contact/ mailing information within 15 days of the change.

Sincerely,

Jeff Ferrell
Senior Safety Engineer

Attachment: Certification Card

cc: File

Renewal - Card Attached

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

Joseph T Blair
Name

Certification No. 21-6955

Expires on 11/19/23

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

Forensic Analytical Consulting Services, Inc.

This is to confirm that

Joseph Blair

Has attended the four-hour

AHERA Refresher Course for Asbestos Inspectors

And has completed the requisite training for

asbestos accreditation under TSCA Title II

September 6, 2022

Certificate Number: FACSBIR1343

Valid Until: September 6, 2023

Cal/OSHA Approval Number: CA-025-06



FACS

Forensic Analytical
Consulting Services

David B. McGrath, Corporate Training Director
Forensic Analytical Consulting Services, Inc.
21228 Cabot Blvd, Hayward, CA 94545
(800) 677-1483



STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH



LEAD-RELATED CONSTRUCTION CERTIFICATE

INDIVIDUAL:



Joseph Blair

CERTIFICATE TYPE:

Lead Sampling Technician

NUMBER:

LRC-00008673

EXPIRATION DATE:

4/30/2023

Disclaimer: This document alone should not be relied upon to confirm certification status. Compare the individual's photo and name to another valid form of government issued photo identification. Verify the individual's certification status by searching for Lead-Related Construction Professionals at www.cdph.ca.gov/programs/clppb or calling (800) 597-LEAD

DEPARTMENT OF INDUSTRIAL RELATIONS
Division of Occupational Safety and Health-Asbestos Certification
1750 Howe Avenue, Suite 460
Sacramento, CA 95825
(916) 574-2993 Office <http://www.dir.ca.gov/dosh/asbestos.html> actu@dir.ca.gov



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May 11, 2022

Christopher J Chipponeri
1401 Louise Avenue
Modesto CA 95350

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 contact our office at the above address or email w any changes in your contact/ mailing information within 15 days of the change.

Sincerely,

Jeff Ferrell
Senior Safety Engineer

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

Christopher J Chipponeri
Name



Certification No. 10-4633

Expires on 06/16/23

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

Attachment: Certification Card

cc: File

Renewal - Card Attached

Forensic Analytical Consulting Services, Inc.

This is to confirm that

Chris Chipponeri

Has attended the four-hour

AHERA Refresher Course for Asbestos Inspectors

And has completed the requisite training for

asbestos accreditation under TSCA Title II

September 6, 2022

Certificate Number: FACSBIR1344

Valid Until: September 6, 2023

Cal/OSHA Approval Number: CA-025-06



FACS

Forensic Analytical
Consulting Services



David B. McGrath, Corporate Training Director
Forensic Analytical Consulting Services, Inc.
21228 Cabot Blvd, Hayward, CA 94545
(800) 677-1483



STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH



LEAD-RELATED CONSTRUCTION CERTIFICATE

INDIVIDUAL:



Chris Chipponeri

CERTIFICATE TYPE:

Lead Inspector/Assessor

NUMBER:

LRC-00000782

EXPIRATION DATE:

6/20/2023

Disclaimer: This document alone should not be relied upon to confirm certification status. Compare the individual's photo and name to another valid form of government issued photo identification. Verify the individual's certification status by searching for Lead-Related Construction Professionals at www.cdph.ca.gov/programs/clppb or calling (800) 597-LEAD

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 101459-0

SGS Forensic Laboratories

Hayward, CA

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

Asbestos Fiber Analysis

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

2022-07-01 through 2023-06-30

Effective Dates



A handwritten signature in black ink, appearing to read 'Peter S. Dambin'.

For the National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

SGS Forensic Laboratories
3777 Depot Road, Suite 409
Hayward, CA 94545-2761
Mr. Steven Takahashi
Phone: 310-294-4365 Fax: 310-764-1136
Email: steven.takahashi@sgs.com
<http://www.falaboratories.com>

ASBESTOS FIBER ANALYSIS

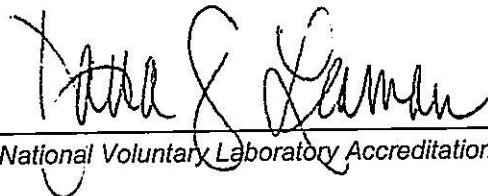
NVLAP LAB CODE 101459-0

Bulk Asbestos Analysis

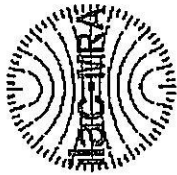
<u>Code</u>	<u>Description</u>
18/A01	EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

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



AIHA Laboratory Accreditation Programs, LLC

acknowledges that

SGS Forensic Laboratories

3777 Depot Rd, Suite 409, Hayward, CA 94545-2761

Laboratory ID: LAP-101762

along with all premises from which key activities are performed, as listed above, has fulfilled the requirements of the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC accreditation to the ISO/IEC 17025:2017 international standard, General Requirements for the Competence of Testing and Calibration Laboratories in the following:

LABORATORY ACCREDITATION PROGRAMS

- INDUSTRIAL HYGIENE Accreditation Expires: February 01, 2023
- ENVIRONMENTAL LEAD Accreditation Expires: February 01, 2023
- ENVIRONMENTAL MICROBIOLOGY Accreditation Expires: February 01, 2023
- FOOD Accreditation Expires:
- UNIQUE SCOPES Accreditation Expires:

Specific Field(s) of Testing (FoT)/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached Scope of Accreditation. Continued accreditation is contingent upon successful on-going compliance with ISO/IEC 17025:2017 and AIHA-LAP, LLC requirements. This certificate is not valid without the attached Scope of Accreditation. Please review the AIHA-LAP, LLC website (www.aihaaccreditedlabs.org) for the most current Scope.

Ceryl O. Morton

Ceryl O. Morton
Managing Director, AIHA Laboratory Accreditation Programs, LLC

Date Issued: 02/01/2021

Revision19: 09/01/2020

Right People
Right Perspective
Right Now

www.forensicanalytical.com