



**ENTEK
CONSULTING GROUP, INC.**

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**HAZARDOUS MATERIALS SURVEY
FINAL REPORT**

OWNER/CLIENT

**Sacramento City Unified School District
5735 47th Avenue
Sacramento, CA 95824**

CONTACT

**Mr. Chris Ralston, Director III
Facilities Management, Maintenance & Operations, and Resource
Management**

SURVEY ADDRESS

**Albert Einstein Middle School
9325 Mirandy Drive
Sacramento, CA 95826**

BUILDING(S) SURVEYED

**Roofing (Excluding Gym Building), Exterior Windows & Paints
Re-Roof & Beautification Project**

PREPARED BY

**Blake Howes
CAC #13-5015 & CDPH #I/A 3315
Entek Consulting Group, Inc.
4200 Rocklin Road, Suite 7
Rocklin, CA 95677**

Entek Project #23-6539

February 14, 2023



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Executive Summary

The United States Environmental Protection Agency, National Emission Standards for Hazardous Air Pollutants (US EPA NESHAP), 40 CFR Part 61 - Nov. 20, 1990, requires an owner or operator of a demolition or renovation project to thoroughly inspect the affected facility or part of the facility where the demolition or renovation operation will occur for the presence of asbestos-containing materials (ACM) prior to the commencement of that project.

This inspection report was requested by Mr. Isaac White, Construction Manager with Innovative Construction Services (ICS) on behalf of Mr. Chris Ralston, Director III of the Facilities Management, Maintenance & Operations, and Resource Management department for the Sacramento City Unified School District (SCUSD).

The purpose of the inspection was to comply with US EPA NESHAP requirements and the Sacramento Metropolitan Air Quality Management District (SMAQMD) which has jurisdiction for this project site to determine if asbestos containing materials are present which may be impacted during an upcoming project, which will include the roof and exterior walls of Albert Einstein Middle School located at 9325 Mirandy Dr, Sacramento, CA 95826. The roof of the gymnasium building and adjacent locker rooms was not included in this survey.

Paints were also tested for lead content for compliance with Cal/OSHA lead in construction regulations. It is our understanding the school was originally constructed in the 1950's.

The attached drawings show approximate sample locations and also identify those bulk sample materials analyzed and found to contain asbestos greater than 1% with a (+) after the sample number. Materials analyzed and found to contain less than 1% asbestos or reported as none detected have a (-) after each sample number.

Materials are classified in the tables of this report as regulated asbestos containing material (RACM), Category I (CAT-I) or Category II (CAT-II) ACM, or asbestos containing construction material (ACCM), which included collecting multiple samples of some materials. Contractors and other individuals who view the sample locations and associated results indicated with either a (-) or a (+) on the drawing to make determinations take the risk of misidentifying a material and may arrive at determinations which are in direct conflict with the written findings of this report. This use of the drawing and the information provided on it relating to individual sample results in determining if a material does or does not contain asbestos is not recommended.

This is a summary of the report. The report must be read in its entirety, and the reader must review all the detailed information provided in the body of the report prior to making any interpretations, or conclusions pertaining to the information. Any conclusions made by the reader about the information provided in the body of this report which are contradictory or not included in this report are the responsibility of the reader.

Asbestos

On February 7, 2023 Entek conducted a survey specific to areas designated by the Owner which included the roofing materials and exterior walls throughout the campus. The roof of the gymnasium building and adjacent locker rooms was not included in this survey.

The results of testing for asbestos during this survey indicate asbestos is present in roof jack and curb mastic on the northeast classroom building and in the window glazing putty found on windows throughout campus. Specifics pertaining to individual materials can be found in later sections of this report.

Lead

Entek investigated existing paints and applied coatings in an effort to determine if lead was present in these materials. The materials detailed in the following list were all found or assumed to contain more than 5,000 parts per million (ppm) lead and are classified as lead-based paint (LBP). If more than 100 square feet of these materials are impacted by a “trigger task”, prior notification to Cal/OSHA will be required.

- Blue over orange colored paint - Metal support columns associated with overhangs, covered walkways, and two story buildings throughout campus

The paints detailed in the following list were determined to contain lead in amounts less than 5,000 ppm and are classified as lead containing paint (LCP). Any work designated by California Occupational Safety Health Administration (Cal/OSHA) as a “trigger task” which will impact these paints, coatings, or materials must be done by properly trained personnel, in compliance with all lead related Cal/OSHA regulations and requirements.

- Orange colored paint - Metal flashing associated with roof level flashing at roof-to-wall connections throughout campus
- Blue colored paint - Wood doors throughout school
- Blue colored paint - Wood door frames throughout school
- Beige colored paint - Corrugated metal decking associated with covered walkway ceilings throughout campus

The paints detailed in the following list were determined not to contain lead above the analysis method detection limit of 100 ppm.

- Blue colored paint - Metal fascia throughout campus
- Blue colored paint - Metal drip edge roof flashing throughout campus
- Beige colored paint - Concrete walls throughout campus
- Beige colored paint - Wood stub-out foundations throughout campus
- Beige colored paint - Stucco ceilings at covered walkways throughout campus

Introduction

This report presents results of an asbestos and lead survey performed by Entek which included the roof and exterior walls of Albert Einstein Middle School located at 9325 Mirandy Dr, Sacramento, CA 95826. The roof of the gymnasium building and adjacent locker rooms was not included in this survey.

The inspection was conducted by Mr. Blake Howes on February 7, 2023. Mr. Howes is a Cal/OSHA Certified Asbestos Consultant (CAC) and a State of California Department of Public Health (CDPH) certified Lead Inspector/Assessor.

This report was prepared for Mr. Chris Ralston, Director III of the Facilities Management, Maintenance & Operations, and Resource Management department for the SCUSD at the request of Mr. Isaac White, Construction Manager with ICS.

Building Description

This survey was specific to exterior areas of the Albert Einstein campus and does not include any interior spaces. The campus consists of multiple classroom buildings, administration, gymnasium, and other school related facilities. There is a two story building located at the south side of the campus, with all other buildings single story.

Exterior finish materials include stucco, plaster, concrete, and metal components. All observed exterior windows are panes set into aluminum frames with glazing putty. Roof systems are rolled asphaltic throughout all surveyed areas. Mechanical systems are roof mounted HVAC units in many places, along with some centralized interior HVAC.

Asbestos Inspection and Sample Collection Protocols

Entek included specific exterior areas of the buildings included in this report, but used only limited methods to look within enclosed ceiling cavities during this investigation. Entek did include all suspect materials observed in, on, or associated with the areas included in this report.

Bulk samples were collected of various materials suspected to contain asbestos by utilizing a power drill and coring tube, cutting the materials with a razor knife, or use of other appropriate hand tools.

Miscellaneous materials were collected from each homogenous area in a manner sufficient to determine whether the material is or is not ACM as required in 40 CFR Part 763, Asbestos-Containing Materials in Schools; Final Rule and Notice, published October 30, 1987.

Approximate locations of all samples collected during this inspection are indicated on the "Bulk Asbestos Material Analysis Request Form for Entek", which served as the chain of custody for the samples, and on the building diagrams attached to this report.

Asbestos Bulk Sample Results

There were several materials observed which are considered “suspect” under US EPA guidelines. Under current US EPA guidelines for conducting building inspections for ACM, all "suspect" materials must be assumed to contain asbestos until otherwise determined by laboratory testing.

The samples of materials suspected of containing asbestos were submitted to Asbestech, a laboratory located in Rancho Cordova, California. These samples were subsequently analyzed by polarized light microscopy (PLM) with dispersion staining.

The US EPA NESHAP and SMAQMD uses the terms Regulated Asbestos Containing Material (RACM), Category I, and Category II when identifying materials which contain asbestos in amounts greater than 1%. Cal/OSHA uses the term ACCM which indicates a manufactured construction material contains greater than 0.1% asbestos by weight by the PLM method. This definition can be found in Title 8, 1529.

All samples found to contain <1% asbestos by PLM analysis which are not identified as containing >1% asbestos, classified as RACM, CAT-I, or CAT-II materials in the following results tables were additionally analyzed using the 400 point count (PC) method with analysis by PLM. This additional analysis is required by NESHAP and enforced by SMAQMD. The PC method analysis results were used only to verify a material did not contain >1% asbestos as a single layer material, or as a composite result which is provided for materials such as sheet rock/drywall and joint compound used for wall/ceiling systems. A result reported as none detected or “trace” by the PC method only verified the initial PLM result of <1% and shall not be used to determine the identified material does not contain asbestos. Copies of Asbestech’s laboratory reports and accreditations are attached.

A total of 37 bulk samples were collected of all the materials considered to be "suspect" which were observed during this investigation. Some of those samples contained multiple layers which were individually analyzed to determine their asbestos content. Analysis of all samples collected was by PLM with dispersion staining. Results of the analysis are listed in the following tables:

Suspect Materials Found or Assumed TO Contain Asbestos					
Sample ID#'s	Suspect Material	Asbestos Content/Type (%) by PLM	Location	NESHAP Classification	Total Estimated Quantity
02A	Roof Jack/Curb & Penetration Mastic	1-2% CHRYSOTILE	Northeast Classroom Building (Estimated 20 Jacks Throughout Area)	CAT-I	80 Sq.
14A-G	Window Glazing Putty	<1% CHRYSOTILE	Throughout Campus	Cal/OSHA ACCM (Confirmed by 400 Point Count Analysis)	Unknown

Suspect Materials Found NOT TO Contain Asbestos or Considered Non-Suspect				
Sample ID#'s	Suspect Material	EPA AHERA "Suspected" ACM	Asbestos Content	Location
01A-B	Composition Asphalt Rolled Roofing, Gray Roofing	Miscellaneous	NONE DETECTED	Northeast Classroom Building Roof
02B-E	Roof Jack/Curb & Penetration Mastic	Miscellaneous	NONE DETECTED	Throughout Campus Roofs EXCEPT Northeast Classroom Building Roof
03A-C	Composition Asphalt Rolled Roofing, Gray Roofing, Gray Drywall	Miscellaneous	NONE DETECTED	South 2 Story Building Roof
04A-C	Composition Asphalt Rolled Roofing, Gray Roofing, Gray Drywall	Miscellaneous	NONE DETECTED	Southwest 1 Story Classroom Building Roof
05A	Roof Patch Mastic with Silver Paint	Miscellaneous	NONE DETECTED	South 2 Story Building at 1 st Floor Roof Perimeter
06A-B	Composition Asphalt Rolled Roofing, Gray Roofing, Gray Drywall	Miscellaneous	NONE DETECTED	Southeast Round Building Roof
07A-D	Composition Asphalt Rolled Roofing, Gray Roofing, Gray Drywall	Miscellaneous	NONE DETECTED	Covered Walkway Roofs Throughout Campus
08A-B	Composition Asphalt Rolled Roofing, Gray Roofing, Gray Drywall	Miscellaneous	NONE DETECTED	East Cafeteria Upper Roof
09A-B	Composition Asphalt Rolled Roofing, Gray Roofing, Gray Drywall	Miscellaneous	NONE DETECTED	East Cafeteria Kitchen Lower Roof
10A-B	Composition Asphalt Rolled Roofing, Gray Roofing, Gray Drywall	Miscellaneous	NONE DETECTED	West Classroom Buildings North Roof
11A-B	Composition Asphalt Rolled Roofing, Gray Roofing, Gray Drywall	Miscellaneous	NONE DETECTED	West Classroom Buildings South Roof
12A	Composition Asphalt Rolled Roofing, Gray Roofing, Gray Drywall	Miscellaneous	NONE DETECTED	West Classroom Buildings, West Connector Hallway Roof
13A	Composition Asphalt/ Rubberized Rolled Roofing Patch	Miscellaneous	NONE DETECTED	West Classroom Buildings, East Covered Walkway Area Roof

NOTE: Any CAT-I or CAT-II materials identified in the previous tables which will be subjected to mechanical removal, must be considered RACM for the purposes of notification to SMAQMD and classification of waste. Removal of any CAT-I or CAT-II materials prior to demolition of a building is dependent upon how the materials will be impacted and if the impact will cause the materials to become friable. If any remaining CAT-I or CAT-II materials will become friable they must be removed prior to the initiation of demolition.

NOTE: Cal/OSHA regulates all materials containing greater than 0.1% asbestos. As a result, impact to materials identified as ACCM and ACM must be performed by properly asbestos trained personnel utilizing appropriate personal protection, work practices, as well as, properly constructed and demarcated work areas or containments, in accordance with Cal/OSHA asbestos regulations.

All sample number noted in the tables above start with ECG-23-6539-

The tables above provide an estimate of the amount of materials in square feet (Sq.) or linear feet (Ln.). Contractors are responsible for quantifying the exact quantity of materials impacted by the renovation or demolition and shall not rely on the quantities in the above tables.

US EPA AHERA uses three terms when determining the classification of a material for the purpose of sampling. These terms include miscellaneous, surfacing, and thermal system insulation (TSI).

Miscellaneous materials are building materials on structural components, structural members or fixtures, such as floor and ceiling tiles, and does not include surfacing material or TSI.

Surfacing materials are materials that are sprayed-on, troweled-on, or otherwise applied to surfaces, such as acoustical plaster on ceiling and fireproofing materials on structural members, or other materials on surfaces for acoustical, fireproofing, or other purposes.

TSI is material applied to pipes, fittings, boilers, breeching, tanks, ducts, or other structural components to prevent heat loss or gain, water condensation, or for other purposes.

The information provided in the tables of this report are for use by the Owner in determining where asbestos containing materials are located, and whether or not any future work may impact those materials. The information is also provided for use by any contractor who may perform work in areas impacting the materials listed in this report, and for use as appropriate by asbestos abatement contractors to provide costs related to work impacting ACM.

Any building materials which are considered “suspect” for containing asbestos which have not been identified in this report must be assumed to contain asbestos in amounts >1% until properly investigated and/or tested.

Materials commonly excluded from being suspected for containing asbestos include, but are not limited to: unwrapped pink and yellow fiberglass insulating materials or products,

foam insulation, bare concrete, wood, metal, plastic, or glass. All other types of building materials or coatings on the materials listed above are commonly listed as “suspect” and must be tested prior to impact by a Contractor. Work impacting these untested or newly discovered materials must cease until an investigation can be completed.

Asbestos Regulatory Requirements

US EPA

The property included in this survey report is located in Sacramento County. Sacramento Metropolitan Air Quality Management District (SMAQMD) has been given authority for enforcement of the NESHAP regulations by means of their own rules (Rule 902 Asbestos).

A demolition is the wrecking, taking out, or burning of any load supporting structural member. A renovation is everything else. Ten day written notification to the SMAQMD is required prior to the performance of any demolition project regardless of asbestos being present or not. This notification would also apply to any renovation project which involves the wrecking, taking out, or burning of any load bearing structural member during a renovation as well.

There is not a sufficient amount of ACM present to require a 10 day notification to the SMAQMD be submitted prior to starting work which will impact materials identified as RACM or CAT-I and CAT-II materials if they are made friable through mechanical means of removal. If more than 160 square feet, 260 linear feet or 35 cubic feet of RACM is planned for removal on the project, formal written notification to SMAQMD is required.

Cal/OSHA

Disturbance of any ACM or ACCM could generate airborne asbestos fibers and would be regulated by Cal/OSHA. Cal/OSHA worker health and safety regulations apply during any disturbance of ACM or ACCM by a person while in the employ of another. This is true regardless of friability or quantity disturbed.

If more than 100 square feet of ACCM and ACM does exist and will be impacted during the upcoming project, a licensed asbestos contractor, certified by the State of California, and registered with Cal/OSHA is required to perform the asbestos related removal work. Entek recommends a licensed asbestos contractor be used to remove ACCM even if less than 100 square feet of ACCM is being disturbed.

For compliance with Title 8, Section 341.9, the contractor must send written notice at least one day (24 hours) prior to start of any work which will impact any amount of asbestos to the local office for the State of California, Department of Occupational Safety and Health, and perform all work in accordance with Cal/OSHA requirements.

Lead Inspection, Sampling, & Results

A total of 11 bulk samples of the painted surfaces from various locations throughout the site were collected and submitted to MicroTest Laboratories. These samples were subsequently analyzed by atomic absorption spectrometry (AAS). Results of the analysis are listed in the following tables:

Paints/Coatings/ Materials Determined to be Lead Based Paint (LBP)		
Paint/Coating Color or Material	Lead Content	Component/Location
Blue over Orange Colored Paint	193,138 ppm	Metal Support Columns - Associated with overhangs, covered walkways, and two story buildings throughout campus

LBP - Materials/coatings/paints meeting the definition of lead-based paint as defined by the CDPH and the US EPA, currently defined as containing lead in concentrations equal to or greater than 1.0 mg/cm², 5,000 ppm, or 0.5% by weight.

Paints/Coatings/ Materials Determined to be Lead Containing Paint (LCP)		
Paint/Coating Color or Material	Lead Content	Component/Location
Blue Colored Paint	4,841 ppm	Wood Door - Classrooms Where Present
Blue Colored Paint	1,063 ppm	Wood Door Frame - Classrooms Where Present
Beige Colored Paint	1,276 ppm	Corrugated Metal Ceiling Deck - Covered Walkways Throughout Campus

LCP - Materials/coatings/paints which contain measurable amounts of lead. The disturbance of these materials/coatings/paints is regulated by Cal/OSHA.

Paints/Coatings/Materials Determined NOT TO Contain Lead	
Paint/Coating Color or Material	Building Component
Blue Colored Paint	Metal Fascia - Throughout Campus
Blue Colored Paint	Metal Drip Edge Roof Flashing - Throughout Campus
Beige Colored Paint	Exterior Concrete Walls - Throughout Campus
Beige Colored Paint	Exterior Wood Stub-Out Foundations (Assumed to be previous locations of exterior lockers)
Beige Colored Paint	Exterior Stucco - Covered Walkways at South 2 Story Building

Paints determined “NOT TO” contain lead for the purposes of this report are those samples which when analyzed did not indicate lead to be present at or above the limit of detection for the analysis method used. This limit of detection was 100 parts per million (ppm). As a result, any paints shown “NOT TO” contain lead will not require any special training or work

practices related to lead when impacted.

Lead Regulatory Compliance

Any upcoming project which may result in the disturbance of lead containing products or surfaces, but is not intended to remediate a lead hazard or specifically designed to remove LBP to reduce or eliminate a known hazard, would be considered “lead related construction work”.

Lead related construction work does not fit the classification of a “lead abatement project” under CDPH Title 17 regulations. “*Abatement*” is defined in Title 17, Division 1, Chapter 8, Article 1 as “any set of measures designed to reduce or eliminate lead hazards or LBP for public and residential buildings, but does not include containment or cleaning.” A *lead hazard* is defined in Title 17, Division 1, Chapter 8, Article 1 as “deteriorated LBP, lead contaminated dust, lead contaminated soil, disturbing LBP or presumed LBP without containment, or any other nuisance which may result in persistent and quantifiable lead exposure.”

Lead related construction work means any “construction, alteration, painting, demolition, salvage, renovation, repair, or maintenance of any residential or public building, including preparation and cleanup, that, by using or disturbing lead-containing material or soil, may result in significant exposure of adults or children to lead”. (Title 17, California Code of Regulations, Division 1, Chapter 8, Article 1).

Currently, Cal/OSHA has not established a definition for LBP, nor have they established minimum concentrations where their regulations do not apply. Cal/OSHA regulates all construction activities involving materials containing lead, including LBP. These regulations are found in CCR, Title 8 Section 1532.1 (§1532.1) Lead in Construction.

Since Cal/OSHA has not established a concentration of lead in a product where their regulations do not apply, any disturbance to products containing lead come under the jurisdiction of Cal/OSHA and their regulations. Disturbance of paints/coatings or materials determined to be LBP may trigger a pre-work notification to Cal/OSHA if “trigger tasks” disturb 100 square feet or more of those paints/coatings or materials. Trigger tasks are described in Title 8 CCR 1532.1.

Limitations

Entek inspected only the specific designated areas identified by the Owner’s representative to be included in the upcoming project, which did not include all interior and exterior areas of the buildings located at the campus. This survey is specific to the roofing materials and exterior walls throughout campus. The roof of the gymnasium and adjacent locker rooms was not included in this survey. As a result the information provided in this inspection report may not be used to extend the inspection results to areas not included in this report without additional review and sampling as necessary.


If any new materials not listed as having been sampled, or listed as assumed for containing asbestos in this report are discovered, the new material must be assumed to contain asbestos until properly inspected and tested for asbestos content.



Entek's policy is to retain a full copy of these written documents for three (3) years once the file is closed. At the end of the 3 year period the written files will be destroyed without further notice. It is suggested copies of the file(s) are maintained as per the District's policy.

Entek will be providing only this electronic copy of the report and its attachments for your use. However, if you would like a hard copy of this report please do not hesitate to ask. Entek will be happy to mail the report upon receipt of your request.

Thank you for choosing Entek for your environmental needs. Please call me at (916) 632-6800 if you have any questions regarding this report.

Prepared by: 
Blake Howes
Vice President
Cal/OSHA CAC #13-5015
CDPH I/A Certification #3315

Appendices

- A. Asbestos Related Documents
- B. Lead Related Documents
- C. Backup Documentation

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APPENDIX A

ASBESTOS RELATED DOCUMENTS

- Bulk Asbestos Analysis Report From Asbestech
- Bulk Asbestos Material Analysis Request Form for Entek
- Asbestos Bulk Sample Location Drawing
- SMAQMD Asbestos Survey Form
- SMAQMD Renovation/Demolition Notification Form

ASBESTECH
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 Rocklin, CA 95677

Job:
 23-6539 Sac City USD
 Albert Einstein MS, 9325 Mirandy Dr.
 Sacramento , Ca

BULK ASBESTOS ANALYSIS REPORT

LAB JOB # 70191-1
 Date/Time Collected: 2/8/23
 Date Received: 2/8/23

NVLAP Lab Code 101442-0
 CDPH # 1153
 Date Analyzed: 2/10/23

<i>Sample No.</i>	<i>Color/Description</i>	<i>% Type Asbestos</i>	<i>Other Materials</i>
ECG-23-6539-01A	Black composition asphalt rolled roofing, NE classroom bldg. west area	NONE DETECTED	Tar Binder Fibrous Glass
	Gray roofing	NONE DETECTED	Cellulose Pumice
01B	Black composition asphalt rolled roofing, NE classroom bldg. east area	NONE DETECTED	Tar Binder Fibrous Glass
	Gray roofing	NONE DETECTED	Cellulose Pumice
	Gray drywall	NONE DETECTED	Gypsum Fibrous Glass
02A	Black roof jack/ penetration mastic, NW classroom bldg. Northeast classroom building	1-2 CHRYSOTILE	Tar Binder
██████	████████████████████		
██	████████████████████ ████████████████████	████████████████████	██████████ ██████████
	██████████	████████████████████	██████████ ██████████

Blake Hovey

THE ANALYSIS USES POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING FOLLOWING E.P.A. METHOD 600/R-93/116. NON-FRIABLE MATERIALS WERE ANALYZED APPLYING THE SAME METHOD. THE LOWER DETECTION LIMIT IS <1 % WITH THE PROVISIO THAT PLM MAY NOT DETECT FIBERS <0.25 MICRONS IN DIAMETER THAT MAY BE PRESENT IN SAMPLES SUCH AS FLOOR TILES. IN ACCORDANCE WITH TITLE 22, CCR, SECTION 66261.24(a)(2)(A), THE MCL IS 1 %. SAMPLES WERE NOT COLLECTED BY ASBESTECH. THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE APPROVAL OF ASBESTECH. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT MUST NOT BE USED TO CLAIM PRODUCT ENDORSEMENT BY N.V.L.A.P. OR ANY AGENCY OF THE U.S. GOVERNMENT. ASBESTECH ACCEPTS TECHNICAL RESPONSIBILITY FOR THIS REPORT AND DATE OF ISSUE.

Jim Jungles

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Job:
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Sacramento , Ca

BULK ASBESTOS ANALYSIS REPORT

LAB JOB # 70202-1
Date/Time Collected: 2/8/23
Date Received: 2/8/23

NVLAP Lab Code 101442-0
CDPH # 1153
Date Analyzed: 2/13/23

<i>Sample No.</i>	<i>Color/Description</i>	<i>% Type Asbestos</i>	<i>Other Materials</i>
ECG-23-6539-02B	Black roof jack/ penetration mastic, 2 story south bldg.	NONE DETECTED	Tar Binder
02C	Black roof jack/ penetration mastic, 1 story SW classroom bldg.	NONE DETECTED	Tar Binder
02D	Black roof jack/ penetration mastic, east cafeteria kitchen lower roof	NONE DETECTED	Tar Binder
02E	Black roof jack/ penetration mastic, west covered walkway	NONE DETECTED	Tar Binder

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<i>Sample No.</i>	<i>Color/Description</i>	<i>% Type Asbestos</i>	<i>Other Materials</i>
ECG-23-6539- [REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
03A	Black composition asphalt rolled roofing, south 2 story bldg. north area	NONE DETECTED	Tar Binder Fibrous Glass
	Gray roofing	NONE DETECTED	Cellulose Pumice

THE ANALYSIS USES POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING FOLLOWING E.P.A. METHOD 600/R-93/116. NON-FRIABLE MATERIALS WERE ANALYZED APPLYING THE SAME METHOD. THE LOWER DETECTION LIMIT IS <1 % WITH THE PROVISO THAT PLM MAY NOT DETECT FIBERS <0.25 MICRONS IN DIAMETER THAT MAY BE PRESENT IN SAMPLES SUCH AS FLOOR TILES. IN ACCORDANCE WITH TITLE 22, CCR, SECTION 66261.24(a)(2)(A), THE MCL IS 1 %. SAMPLES WERE NOT COLLECTED BY ASBESTECH. THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE APPROVAL OF ASBESTECH. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT MUST NOT BE USED TO CLAIM PRODUCT ENDORSEMENT BY N.V.L.A.P. OR ANY AGENCY OF THE U.S. GOVERNMENT. ASBESTECH ACCEPTS TECHNICAL RESPONSIBILITY FOR THIS REPORT AND DATE OF ISSUE.



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Client:
 Entek Consulting Group, Inc.
 4200 Rocklin Rd., Suite 7
 Rocklin, CA 95677

Job:
 23-6539 Sac City USD
 Albert Einstein MS, 9325 Mirandy Dr.
 Sacramento , Ca

BULK ASBESTOS ANALYSIS REPORT

LAB JOB # 70191-2
 Date/Time Collected: 2/8/23
 Date Received: 2/8/23

NVLAP Lab Code 101442-0
 CDPH # 1153
 Date Analyzed: 2/10/23

<i>Sample No.</i>	<i>Color/Description</i>	<i>% Type Asbestos</i>	<i>Other Materials</i>
ECG-23-6539-03B	Black composition asphalt rolled roofing, south 2 story bldg. east area	NONE DETECTED	Tar Binder Fibrous Glass
	Gray roofing	NONE DETECTED	Cellulose Pumice
03C	Black composition asphalt rolled roofing, south 2 story bldg. south area	NONE DETECTED	Tar Binder Fibrous Glass
	Gray drywall	NONE DETECTED	Gypsum Fibrous Glass
04A	Black composition asphalt rolled roofing, SW 1 story classroom bldg. north area	NONE DETECTED	Tar Binder Fibrous Glass
	Gray roofing	NONE DETECTED	Cellulose Pumice
	Gray drywall	NONE DETECTED	Gypsum Fibrous Glass
04B	Black composition asphalt rolled roofing, SW 1 story classroom bldg. west area	NONE DETECTED	Tar Binder Fibrous Glass
	Gray roofing	NONE DETECTED	Cellulose Pumice

THE ANALYSIS USES POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING FOLLOWING E.P.A. METHOD 600/R-93/116. NON-FRIABLE MATERIALS WERE ANALYZED APPLYING THE SAME METHOD. THE LOWER DETECTION LIMIT IS <1 % WITH THE PROVISO THAT PLM MAY NOT DETECT FIBERS <0.25 MICRONS IN DIAMETER THAT MAY BE PRESENT IN SAMPLES SUCH AS FLOOR TILES. IN ACCORDANCE WITH TITLE 22, CCR, SECTION 66261.24(a)(2)(A), THE MCL IS 1 %. SAMPLES WERE NOT COLLECTED BY ASBESTECH. THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE APPROVAL OF ASBESTECH. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT MUST NOT BE USED TO CLAIM PRODUCT ENDORSEMENT BY N.V.L.A.P. OR ANY AGENCY OF THE U.S. GOVERNMENT. ASBESTECH ACCEPTS TECHNICAL RESPONSIBILITY FOR THIS REPORT AND DATE OF ISSUE.



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BULK ASBESTOS ANALYSIS REPORT

LAB JOB # 70191-3
 Date/Time Collected: 2/8/23
 Date Received: 2/8/23

NVLAP Lab Code 101442-0
 CDPH # 1153
 Date Analyzed: 2/10/23

<i>Sample No.</i>	<i>Color/Description</i>	<i>% Type Asbestos</i>	<i>Other Materials</i>
ECG-23-6539-04C	Black composition asphalt rolled roofing, SW 1 story classroom bldg. south area	NONE DETECTED	Tar Binder Fibrous Glass
	Gray drywall	NONE DETECTED	Gypsum Fibrous Glass
05A	Black roof patch mastic w/ silver paint, 2 story south bldg. roof perimeter	NONE DETECTED	Tar Binder Wollastonite
06A	Black composition asphalt rolled roofing, SE round bldg. (library) west area	NONE DETECTED	Tar Binder Fibrous Glass
	Gray roofing	NONE DETECTED	Cellulose Pumice
06B	Black composition asphalt rolled roofing, SE round bldg. (library) east area	NONE DETECTED	Tar Binder Fibrous Glass
	Gray drywall	NONE DETECTED	Gypsum Fibrous Glass
07A	Black composition asphalt rolled roofing, covered walkways SE area	NONE DETECTED	Tar Binder Fibrous Glass
	Gray roofing	NONE DETECTED	Cellulose Pumice

THE ANALYSIS USES POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING FOLLOWING E.P.A. METHOD 600/R-93/116. NON-FRIABLE MATERIALS WERE ANALYZED APPLYING THE SAME METHOD. THE LOWER DETECTION LIMIT IS <1 % WITH THE PROVISO THAT PLM MAY NOT DETECT FIBERS <0.25 MICRONS IN DIAMETER THAT MAY BE PRESENT IN SAMPLES SUCH AS FLOOR TILES. IN ACCORDANCE WITH TITLE 22, CCR, SECTION 66261.24(a)(2)(A), THE MCL IS 1 %. SAMPLES WERE NOT COLLECTED BY ASBESTECH. THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE APPROVAL OF ASBESTECH. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT MUST NOT BE USED TO CLAIM PRODUCT ENDORSEMENT BY N.V.L.A.P. OR ANY AGENCY OF THE U.S. GOVERNMENT. ASBESTECH ACCEPTS TECHNICAL RESPONSIBILITY FOR THIS REPORT AND DATE OF ISSUE.

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BULK ASBESTOS ANALYSIS REPORT

LAB JOB # 70191-4
 Date/Time Collected: 2/8/23
 Date Received: 2/8/23

NVLAP Lab Code 101442-0
 CDPH # 1153
 Date Analyzed: 2/10/23

<u>Sample No.</u>	<u>Color/Description</u>	<u>% Type Asbestos</u>	<u>Other Materials</u>
ECG-23-6539-07B	Black composition asphalt rolled roofing, covered walkways east area	NONE DETECTED	Tar Binder Fibrous Glass
	Gray roofing	NONE DETECTED	Cellulose Pumice
	Gray drywall	NONE DETECTED	Gypsum Fibrous Glass
07C	Black composition asphalt rolled roofing, covered walkways north area	NONE DETECTED	Tar Binder Fibrous Glass
	Gray roofing	NONE DETECTED	Cellulose Pumice
07D	Black composition asphalt rolled roofing, covered walkways west area	NONE DETECTED	Tar Binder Fibrous Glass
	Gray roofing	NONE DETECTED	Cellulose Pumice
	Gray drywall	NONE DETECTED	Gypsum Fibrous Glass
08A	Black composition asphalt rolled roofing, east cafeteria upper roof west area	NONE DETECTED	Tar Binder Fibrous Glass
	Gray roofing	NONE DETECTED	Cellulose Pumice
	Gray drywall	NONE DETECTED	Gypsum Fibrous Glass

THE ANALYSIS USES POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING FOLLOWING E.P.A. METHOD 600/R-93/116. NON-FRIABLE MATERIALS WERE ANALYZED APPLYING THE SAME METHOD. THE LOWER DETECTION LIMIT IS <1 % WITH THE PROVISO THAT PLM MAY NOT DETECT FIBERS <0.25 MICRONS IN DIAMETER THAT MAY BE PRESENT IN SAMPLES SUCH AS FLOOR TILES. IN ACCORDANCE WITH TITLE 22, CCR, SECTION 66261.24(a)(2)(A), THE MCL IS 1%. SAMPLES WERE NOT COLLECTED BY ASBESTECH. THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE APPROVAL OF ASBESTECH. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT MUST NOT BE USED TO CLAIM PRODUCT ENDORSEMENT BY N.V.L.A.P. OR ANY AGENCY OF THE U.S. GOVERNMENT. ASBESTECH ACCEPTS TECHNICAL RESPONSIBILITY FOR THIS REPORT AND DATE OF ISSUE.



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BULK ASBESTOS ANALYSIS REPORT

LAB JOB # 70191-5
 Date/Time Collected: 2/8/23
 Date Received: 2/8/23

NVLAP Lab Code 101442-0
 CDPH # 1153
 Date Analyzed: 2/10/23

<i>Sample No.</i>	<i>Color/Description</i>	<i>% Type Asbestos</i>	<i>Other Materials</i>
ECG-23-6539-08B	Black composition asphalt rolled roofing, east cafeteria upper roof east area	NONE DETECTED	Tar Binder Fibrous Glass
	Gray roofing	NONE DETECTED	Cellulose Pumice
	Gray drywall	NONE DETECTED	Gypsum Fibrous Glass
09A	Black composition asphalt rolled roofing, east cafeteria kitchen lower roof west area	NONE DETECTED	Tar Binder Fibrous Glass
09B	Black composition asphalt rolled roofing, east cafeteria kitchen lower roof east area	NONE DETECTED	Tar Binder Fibrous Glass
	Gray roofing	NONE DETECTED	Cellulose Pumice
	Gray drywall	NONE DETECTED	Gypsum Fibrous Glass
10A	Black composition asphalt rolled roofing, west classroom bldgs. NE area	NONE DETECTED	Tar Binder Fibrous Glass
	Gray roofing	NONE DETECTED	Cellulose Pumice
	Gray drywall	NONE DETECTED	Gypsum Fibrous Glass

THE ANALYSIS USES POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING FOLLOWING E.P.A. METHOD 600/R-93/116. NON-FRIABLE MATERIALS WERE ANALYZED APPLYING THE SAME METHOD. THE LOWER DETECTION LIMIT IS <1 % WITH THE PROVISO THAT PLM MAY NOT DETECT FIBERS <0.25 MICRONS IN DIAMETER THAT MAY BE PRESENT IN SAMPLES SUCH AS FLOOR TILES. IN ACCORDANCE WITH TITLE 22, CCR, SECTION 66261.24(a)(2)(A), THE MCL IS 1 %. SAMPLES WERE NOT COLLECTED BY ASBESTECH. THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE APPROVAL OF ASBESTECH. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT MUST NOT BE USED TO CLAIM PRODUCT ENDORSEMENT BY N.V.L.A.P. OR ANY AGENCY OF THE U.S. GOVERNMENT. ASBESTECH ACCEPTS TECHNICAL RESPONSIBILITY FOR THIS REPORT AND DATE OF ISSUE.



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BULK ASBESTOS ANALYSIS REPORT

LAB JOB # 70191-6
 Date/Time Collected: 2/8/23
 Date Received: 2/8/23

NVLAP Lab Code 101442-0
 CDPH # 1153
 Date Analyzed: 2/10/23

<i>Sample No.</i>	<i>Color/Description</i>	<i>% Type Asbestos</i>	<i>Other Materials</i>
ECG-23-6539-10B	Black composition asphalt rolled roofing, west classroom bldgs. NW area	NONE DETECTED	Tar Binder Fibrous Glass
	Gray roofing	NONE DETECTED	Cellulose Pumice
11A	Black composition asphalt rolled roofing, west classroom bldgs. SE area	NONE DETECTED	Tar Binder Fibrous Glass
	Gray roofing	NONE DETECTED	Cellulose Pumice
	Gray drywall	NONE DETECTED	Gypsum Fibrous Glass
11B	Black composition asphalt rolled roofing, west classroom bldgs. SW area	NONE DETECTED	Tar Binder Fibrous Glass
	Gray roofing	NONE DETECTED	Cellulose Pumice
	Gray drywall	NONE DETECTED	Gypsum Fibrous Glass

THE ANALYSIS USES POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING FOLLOWING E.P.A. METHOD 600/R-93/116. NON-FRIABLE MATERIALS WERE ANALYZED APPLYING THE SAME METHOD. THE LOWER DETECTION LIMIT IS <1 % WITH THE PROVISO THAT PLM MAY NOT DETECT FIBERS <0.25 MICRONS IN DIAMETER THAT MAY BE PRESENT IN SAMPLES SUCH AS FLOOR TILES. IN ACCORDANCE WITH TITLE 22, CCR, SECTION 66261.24(a)(2)(A), THE MCL IS 1 %. SAMPLES WERE NOT COLLECTED BY ASBESTECH. THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE APPROVAL OF ASBESTECH. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT MUST NOT BE USED TO CLAIM PRODUCT ENDORSEMENT BY N.V.L.A.P. OR ANY AGENCY OF THE U.S. GOVERNMENT. ASBESTECH ACCEPTS TECHNICAL RESPONSIBILITY FOR THIS REPORT AND DATE OF ISSUE.



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BULK ASBESTOS ANALYSIS REPORT

LAB JOB # 70191-7
 Date/Time Collected: 2/8/23
 Date Received: 2/8/23

NVLAP Lab Code 101442-0
 CDPH # 1153
 Date Analyzed: 2/10/23

<i>Sample No.</i>	<i>Color/Description</i>	<i>% Type Asbestos</i>	<i>Other Materials</i>
ECG-23-6539-12A	Black composition asphalt rolled roofing, west classroom bldgs. west connector hallway area	NONE DETECTED	Tar Binder Fibrous Glass
	Gray roofing	NONE DETECTED	Cellulose Pumice
	Gray drywall	NONE DETECTED	Gypsum Fibrous Glass
13A	Black composition asphalt/ rubberized rolled roofing patch, west classroom bldgs. east covered walkway area	NONE DETECTED	Tar Binder Synthetics
14A	Gray window glazing putty, east cafeteria bldg. upper windows	<1 CHRYSOTILE	Calcite
14B	Gray window glazing putty, west gymnasium bldg. west locker room windows	<1 CHRYSOTILE	Calcite
14C	Gray window glazing putty, west classroom bldgs. south windows	<1 CHRYSOTILE	Calcite
14D	Gray window glazing putty, SW 1 story classroom bldg. central windows	<1 CHRYSOTILE	Calcite

THE ANALYSIS USES POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING FOLLOWING E.P.A. METHOD 600/R-93/116. NON-FRIABLE MATERIALS WERE ANALYZED APPLYING THE SAME METHOD. THE LOWER DETECTION LIMIT IS <1 % WITH THE PROVISO THAT PLM MAY NOT DETECT FIBERS <0.25 MICRONS IN DIAMETER THAT MAY BE PRESENT IN SAMPLES SUCH AS FLOOR TILES. IN ACCORDANCE WITH TITLE 22, CCR, SECTION 66261.24(a)(2)(A), THE MCL IS 1 %. SAMPLES WERE NOT COLLECTED BY ASBESTECH. THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE APPROVAL OF ASBESTECH. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT MUST NOT BE USED TO CLAIM PRODUCT ENDORSEMENT BY N.V.L.A.P. OR ANY AGENCY OF THE U.S. GOVERNMENT. ASBESTECH ACCEPTS TECHNICAL RESPONSIBILITY FOR THIS REPORT AND DATE OF ISSUE.



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BULK ASBESTOS ANALYSIS REPORT

LAB JOB # 70191-8
Date/Time Collected: 2/8/23
Date Received: 2/8/23

NVLAP Lab Code 101442-0
CDPH # 1153
Date Analyzed: 2/10/23

<i>Sample No.</i>	<i>Color/Description</i>	<i>% Type Asbestos</i>	<i>Other Materials</i>
ECG-23-6539-14E	Gray window glazing putty, south 2 story bldg. central windows	<1 CHRYSOTILE	Calcite
14F	Gray window glazing putty, NE classroom bldg. north windows	<1 CHRYSOTILE	Calcite
14G	Gray window glazing putty, round bldg. (library) north windows	<1 CHRYSOTILE	Calcite

THE ANALYSIS USES POLARIZED LIGHT MICROSCOPY AND DISPERSION STAINING FOLLOWING E.P.A. METHOD 600/R-93/116. NON-FRIABLE MATERIALS WERE ANALYZED APPLYING THE SAME METHOD. THE LOWER DETECTION LIMIT IS <1 % WITH THE PROVISO THAT PLM MAY NOT DETECT FIBERS <0.25 MICRONS IN DIAMETER THAT MAY BE PRESENT IN SAMPLES SUCH AS FLOOR TILES. IN ACCORDANCE WITH TITLE 22, CCR, SECTION 66261.24(a)(2)(A), THE MCL IS 1 %. SAMPLES WERE NOT COLLECTED BY ASBESTECH. THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE APPROVAL OF ASBESTECH. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT MUST NOT BE USED TO CLAIM PRODUCT ENDORSEMENT BY N.V.L.A.P. OR ANY AGENCY OF THE U.S. GOVERNMENT. ASBESTECH ACCEPTS TECHNICAL RESPONSIBILITY FOR THIS REPORT AND DATE OF ISSUE.

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23-6539 Sac City USD
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BULK ASBESTOS ANALYSIS REPORT

LAB JOB # 70202-2
Date/Time Collected: 2/8/23
Date Received: 2/8/23

NVLAP Lab Code 101442-0
CDPH # 1153
Date Analyzed: 2/13/23

<i>Sample No.</i>	<i>Color/Description</i>	<i>% Type Asbestos</i>	<i>Other Materials</i>
ECG-23-6539-14A	Gray window glazing putty, east cafeteria bldg. upper windows	TRACE CHRYSOTILE	Calcite
14B	Gray window glazing putty, west gymnasium bldg. west locker room windows	TRACE CHRYSOTILE	Calcite
14C	Gray window glazing putty, west classroom bldgs. south windows	TRACE CHRYSOTILE	Calcite
14D	Gray window glazing putty, SW 1 story classroom bldg. central windows	NONE DETECTED	Calcite
14E	Gray window glazing putty, south 2 story bldg. central windows	TRACE CHRYSOTILE	Calcite
14F	Gray window glazing putty, NE classroom bldg. north windows	TRACE CHRYSOTILE	Calcite
14G	Gray window glazing putty, round bldg. (library) north windows	TRACE CHRYSOTILE	Calcite

NOTE: Samples 14A-14G were analyzed by quantitative Point Counting using a Chalkley Point Array over 400 non-empty points.

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70191

BULK ASBESTOS MATERIAL *Analysis Request*

ENTEK CONSULTING GROUP, INC.

4200 ROCKLIN ROAD, SUITE 7
ROCKLIN, CA 95677
(916) 632-6800 PHONE
(916) 632-6812 FAX
mainoffice@entekgroup.com

Date of Sampling: February 8, 2023

Lab: Asbestech

Job Number: 23-6539

Collected by: Blake Howes

Client Name: Sac City Unified School District

Turnaround Time: Friday, 2-10-23 by 5:00 pm

Site Address: Albert Einstein Middle School
9325 Mirandy Drive
Sacramento, CA 95826

ANALYSIS REQUESTED: Asbestos by PLM
with Dispersion Staining

Special Instruction: Stop Analysis upon first positive result (>1%) for sample in a series. Also stop analysis upon first positive result (>1%) in the joint compound for sample series.

Please e-mail results at mainoffice@entekgroup.com as soon as available and include copy of submittal with those results.

SAMPLE #	MATERIAL DESCRIPTION/LOCATION
ECG-23-6539-01A	Composition Asphalt Rolled Roofing - Northeast Classroom Building, West Area
ECG-23-6539-01B	Composition Asphalt Rolled Roofing - Northeast Classroom Building, East Area
ECG-23-6539-02A	Roof Jack/Penetration Mastic - Northwest Classroom Building
ECG-23-6539-02B	Roof Jack/Penetration Mastic - 2-Story South Building
ECG-23-6539-02C	Roof Jack/Penetration Mastic - 1-Story Southwest Classroom Building
ECG-23-6539-02D	Roof Jack/Penetration Mastic - East Cafeteria Kitchen Lower Roof
ECG-23-6539-02E	Roof Jack/Penetration Mastic - West Covered Walkway
ECG-23-6539-03A	Composition Asphalt Rolled Roofing - South 2-Story Building, North Area
ECG-23-6539-03B	Composition Asphalt Rolled Roofing - South 2-Story Building, East Area
ECG-23-6539-03C	Composition Asphalt Rolled Roofing - South 2-Story Building, South Area
ECG-23-6539-04A	Composition Asphalt Rolled Roofing - Southwest 1-Story Classroom Building, North Area
ECG-23-6539-04B	Composition Asphalt Rolled Roofing - Southwest 1-Story Classroom Building, West Area
ECG-23-6539-04C	Composition Asphalt Rolled Roofing - Southwest 1-Story Classroom Building, South Area

Northeast Classroom Building

Blake Howes

Delivered by: *[Signature]*

Date: 2/8/23 Time: 9:59 AM/PM

Received by: *[Signature]*

Date: 2/8/23 Time: 9:59 AM/PM



70191

BULK ASBESTOS MATERIAL *Analysis Request*

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Date of Sampling: February 8, 2023

Lab: Asbestech

Job Number: 23-6539

Collected by: Blake Howes

Client Name: Sac City Unified School District

Turnaround Time: Friday, 2-10-23 by 5:00 pm

Site Address: Albert Einstein Middle School
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ANALYSIS REQUESTED: Asbestos by PLM
with Dispersion Staining

Special Instruction: Stop Analysis upon first positive result (>1%) for sample in a series. Also stop analysis upon first positive result (>1%) in the joint compound for sample series.

Please e-mail results at mainoffice@entekgroup.com as soon as available and include copy of submittal with those results.

SAMPLE #	MATERIAL DESCRIPTION/LOCATION
ECG-23-6539-05A	Roof Patch Mastic with Silver Paint - 2-Story South Building, Roof Perimeter
ECG-23-6539-06A	Composition Asphalt Rolled Roofing - Southeast Round Building (Library), West Area
ECG-23-6539-06B	Composition Asphalt Rolled Roofing - Southeast Round Building (Library), East Area
ECG-23-6539-07A	Composition Asphalt Rolled Roofing - Covered Walkways, Southeast Area
ECG-23-6539-07B	Composition Asphalt Rolled Roofing - Covered Walkways, East Area
ECG-23-6539-07C	Composition Asphalt Rolled Roofing - Covered Walkways, North Area
ECG-23-6539-07D	Composition Asphalt Rolled Roofing - Covered Walkways, West Area
ECG-23-6539-08A	Composition Asphalt Rolled Roofing - East Cafeteria Upper Roof, West Area
ECG-23-6539-08B	Composition Asphalt Rolled Roofing - East Cafeteria Upper Roof, East Area
ECG-23-6539-09A	Composition Asphalt Rolled Roofing - East Cafeteria Kitchen Lower Roof, West Area
ECG-23-6539-09B	Composition Asphalt Rolled Roofing - East Cafeteria Kitchen Lower Roof, East Area
ECG-23-6539-10A	Composition Asphalt Rolled Roofing - West Classroom Buildings, Northeast Area
ECG-23-6539-10B	Composition Asphalt Rolled Roofing - West Classroom Buildings, Northwest Area

Delivered by: 

Date: 2/8/23 **Time:** 9:59 AM/PM

Received by: 

Date: 2/8/23 **Time:** 9:59 AM/PM



70191

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Date of Sampling: February 8, 2023

Lab: Asbestech

Job Number: 23-6539

Collected by: Blake Howes

Client Name: Sac City Unified School District

Turnaround Time: Friday, 2-10-23 by 5:00 pm

Site Address: Albert Einstein Middle School
9325 Mirandy Drive
Sacramento, CA 95826


ANALYSIS REQUESTED: Asbestos by PLM
with Dispersion Staining


Special Instruction: *Stop Analysis upon first positive result (>1%) for sample in a series. Also stop analysis upon first positive result (>1%) in the joint compound for sample series.*

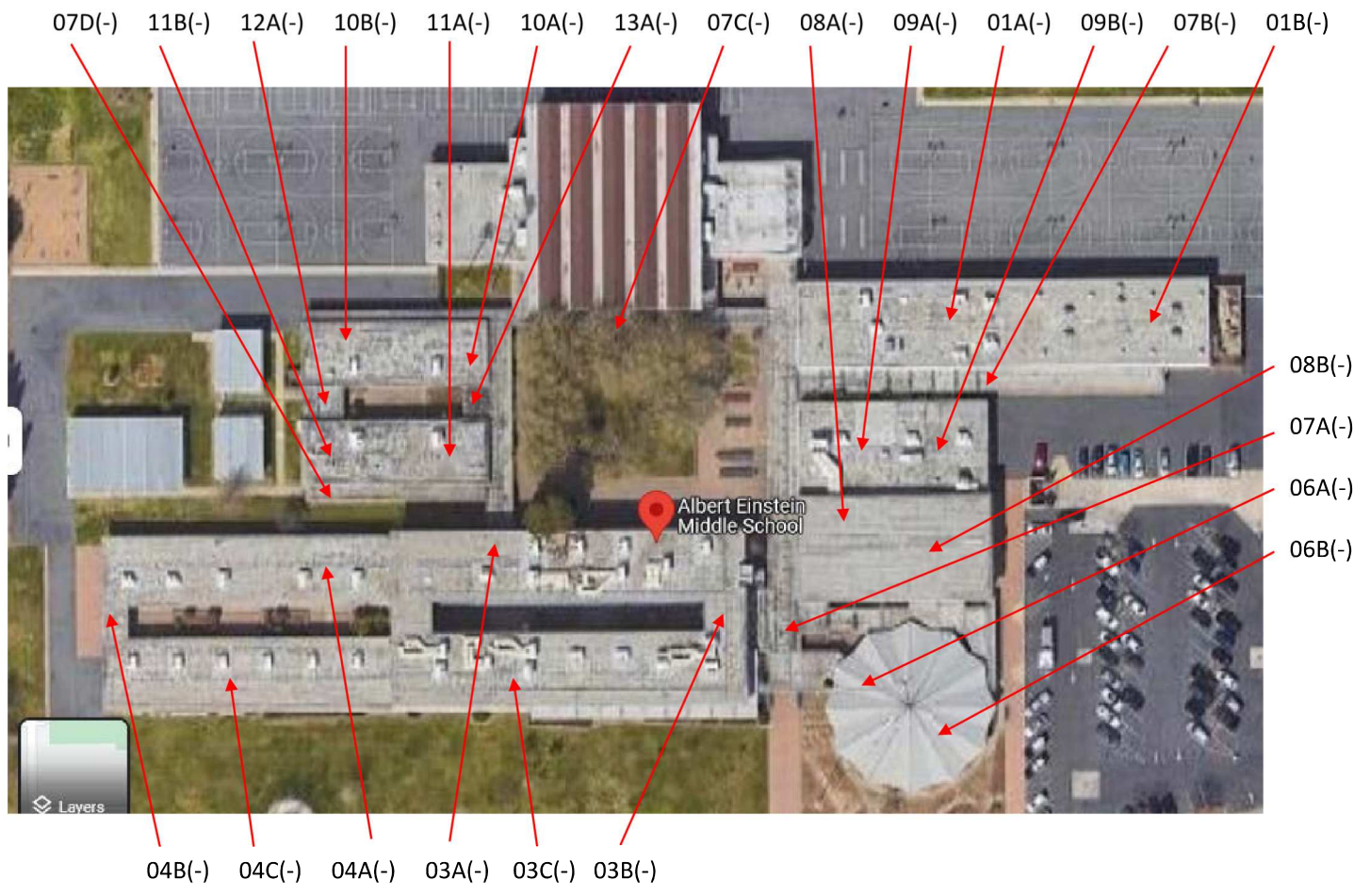
Please e-mail results at mainoffice@entekgroup.com as soon as available and include copy of submittal with those results.

SAMPLE #	MATERIAL DESCRIPTION/LOCATION
ECG-23-6539-11A	Composition Asphalt Rolled Roofing - West Classroom Buildings, Southeast Area
ECG-23-6539-11B	Composition Asphalt Rolled Roofing - West Classroom Buildings, Southwest Area
ECG-23-6539-12A	Composition Asphalt Rolled Roofing - West Classroom Buildings, West Connector Hallway Area
ECG-23-6539-13A	Composition Asphalt/Rubberized Rolled Roofing Patch - West Classroom Buildings, East Covered Walkway Area
ECG-23-6539-14A	Window Glazing Putty - East Cafeteria Building, Upper Windows
ECG-23-6539-14B	Window Glazing Putty - Gymnasium Building, West Locker Room Windows
ECG-23-6539-14C	Window Glazing Putty - West Classroom Buildings, South Windows
ECG-23-6539-14D	Window Glazing Putty - Southwest 1-Story Classroom Building, Central Windows
ECG-23-6539-14E	Window Glazing Putty - South 2-Story Building, Central Windows
ECG-23-6539-14F	Window Glazing Putty - Northeast Classroom Building, North Windows
ECG-23-6539-14G	Window Glazing Putty - Round Building (Library), North Windows

C:\Users\blhowes\Entek Consulting Group, Inc\Entekgroup - Documents\Clients\Sacramento City USD\23-6539 Einstein MS, Roof\Bulk Asb\Bulk Request 02-07-23.wpd

Delivered by:  **Date:** 2/8/23 **Time:** 9:55 AM/PM

Received by:  **Date:** 2/8/23 **Time:** 9:59 AM/PM



Sacramento City Unified School District
Albert Einstein Middle School
9325 Mirandy Drive
Sacramento, CA 95826

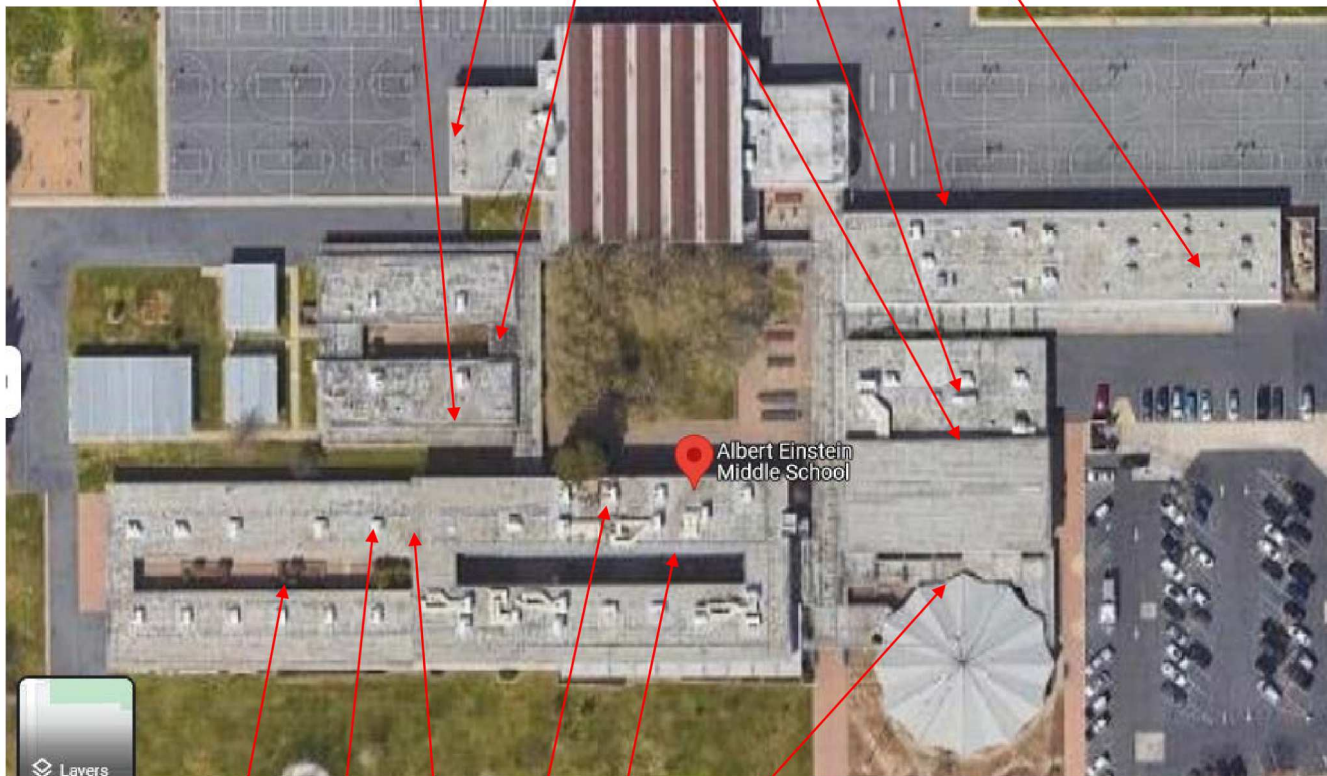
Entek Consulting Group, Inc.
4200 Rocklin Road, Suite 7
Rocklin, CA 95677
Map Not to Scale

Asbestos Bulk Sample Locations
Collected by Blake Howes
On February 7, 2023
Project Number 23-6539

Cloud



14C(-) 14B(-) 02E(-) 14A(-) 02D(-) 14F(-) 02A(+)



14D(-) 02C(-) 05A(-) 02B(-) 14E(-) 14G(-)

Sacramento City Unified School District
Albert Einstein Middle School
9325 Mirandy Drive
Sacramento, CA 95826

Entek Consulting Group, Inc.
4200 Rocklin Road, Suite 7
Rocklin, CA 95677
Map Not to Scale

Cloud

Asbestos Bulk Sample Locations
Collected by Blake Howes
On February 7, 2023
Project Number 23-6539



Asbestos Survey Form

(See Instructions)

777 12th Street, 3rd Floor
 Sacramento, CA 95814
 Office (916) 874-4800
 Fax (916) 874-4899
 Email:
asbestos@airquality.org

1. Purpose of Survey		<input checked="" type="checkbox"/> Renovation		<input type="checkbox"/> Demolition		
2. Facility Information						
Project Area(s) Description Albert Einstein Middle School - Roof & Exterior Painting						
Address 9325 Mirandy Drive		City Sacramento		# of Structures 9		
3. Owner Information						
Name Sacramento City Unified School District						
Address 5735 47 th Avenue			City/State Sacramento, California		Zip 95824	
Contact	Phone	Fax	Email			
Chris Ralston	(916) 395-3970		chris-ralston@scusd.edu			
4. Consultant Information		Survey Date(s): February 7, 2023				
Company Name Entek Consulting Group, Inc.						
Name Blake Howes				DOSH # 13-5015		
Address 4200 Rocklin Road, Suite 7			City/State Rocklin, California		Zip 95677	
Phone (916) 632-6800	Fax (916) 632-6812	Email bhowes@entekgroup.com	Signature 			
5. Client Information (If different than owner)		<input type="checkbox"/> General Contractor		<input type="checkbox"/> Insurance Company		
<input type="checkbox"/> Architect		<input type="checkbox"/> Property Manager		<input type="checkbox"/> Other _____		
Name						
Address			City/State		Zip	
Contact	Phone	Fax	Email			
6. Have all of the suspect materials that will be disturbed been sampled?					<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
If no, explain why:						
7. Summary of Total Asbestos Containing Material (ACM) Findings						
Regulated Asbestos Containing Material (RACM) (Includes materials subject to known mechanical removal and fire damaged materials)			Category II		Category I	
Square Ft.	Linear Ft.	Cubic Ft.	Square Ft.	Linear Ft.	Square Ft.	Linear Ft.
0	0	0	0	0	80	0
To receive future SMAQMD Rule updates and changes affecting your industry (check one box):						
<input type="checkbox"/> Please send e-mail notices to			<input type="checkbox"/> I will sign up myself at www.airquality.org/listserve/ to receive emailed notices.			
<input checked="" type="checkbox"/> I am already subscribed.		<input type="checkbox"/> I want the District to mail notices to the address on this application:		<input type="checkbox"/> Owner		<input type="checkbox"/> Consultant



Asbestos Renovation/Demolition Notification Form

777 12th Street, 3rd Floor
Sacramento, CA 95814
Office (916) 874-4800
Fax (916) 874-4899
Asbestos@airquality.org

1	Building Department Permit Application # (if known) : _____	<input checked="" type="checkbox"/> Renovation (Do not complete Section 5) <input type="checkbox"/> Demolition (Complete all sections) <input type="checkbox"/> Ordered Demo - Attach ordered demo letter <input type="checkbox"/> Emergency Demo - SMAQMD Emergency #. _____
----------	---	--

2	Contractor	Owner
	Address	Address
	City, State / Zip	City, State / Zip
	Email	Email
	Telephone	Telephone

3	Structure Name	Renovation Area	# of Floors
	Project Address	City / Zip	Year Built

4	Preference for return of form	<input type="checkbox"/> E-mail	<input type="checkbox"/> Other : _____
----------	-------------------------------	---------------------------------	--

DEMOLITIONS ONLY - Start date must be at least 10 working days from the day of your postmark or hand delivery of this form.

5		Revision # 1 2 3 4 5 6 7 8 9 (circle)
	Start Date ____/____/____	New Start Date ____/____/____
	Completion Date ____/____/____	New Completion Date ____/____/____
	Method of Demo: (Check Applicable): <input type="checkbox"/> Manual/Hand Tools <input type="checkbox"/> Mechanical/Heavy Equipment <input type="checkbox"/> Other	
	Procedure to be followed if RACM is found or Category II material becomes friable:	

***I have read and understand the directions. The information on this form is true and accurate.
I certify that the asbestos survey conducted represents the facility as built.***

6	Application Name (Print)	<input type="checkbox"/> Owner	Permit may be issued on:
	Phone Number	<input type="checkbox"/> Rep / Agent	
	Application Signature	<input type="checkbox"/> Contractor	
			Date

Have DOSH Consultant complete and sign below OR attach completed Asbestos Survey Form and Consultant's report.

CONSULTANT USE ONLY	Company Name Entek Consulting Group, Inc.	Telephone (916) 632-6800	
	Surveyor Name Blake Howes	DOSH # 13-5015	Survey Date 2-7-23
	Analytical Method PLM by Dispersion Staining	Pt Count Materials <10% <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Declined by Client	
	Amount of RACM	Square Feet 0	Cubic Feet 0
	Amount of Category I 80 Sq. Ft.	Amount of Category II 0	
	Project Address 9325 Mirandy Drive	City Sacramento	Zip 95826
	Suspect Materials Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Consultant's Signature <i>Blake Howes</i>	

SMAQMD USE ONLY

Date Received / Date Postmark _____ Date Approved & Returned _____
 Project # _____ Check # _____ Receipt # _____ Amount Paid _____ Staff _____



APPENDIX B

LEAD RELATED DOCUMENTS

- Bulk Lead Analysis Report From MicroTest
- Bulk Lead Material Analysis Request Form for Entek
- Lead Bulk Sample Location Drawing
- CDPH Lead Hazard Evaluation Report (Form 8552)



MicroTest Laboratories, Inc. | AIHA ELPAT #160934
 3110 Gold Canal Dr, Ste. A, Rancho Cordova, CA 95670
 PH 916.567.9808 | FX 916.404.0302
 www.microtestlabsinc.com | service@microtestlabsinc.com

for office use only

Project ID
L31544-54

CLIENT INFORMATION

Company Entek Consulting Group, Inc
Name Ryan Metzen
Address 4200 Rocklin Road, Suite 7
 Rocklin, CA 95677
Phone 916.632.6800
Email mainoffice@entekgroup.com
 rmetzen@entekgroup.com

SAMPLE
Date Wednesday, February 8, 2023
Time

MicroTest Laboratories

Analytical Data

JOB SITE INFORMATION

Sampler Blake Howes
Project Sac City Unified School District
Site Albert Einstein Middle School
Address 9325 Mirandy Drive
 Sacramento, CA 95826
Job # 23-6539

EPA METHOD 7420/7000B

Client	Laboratory	Client	Reporting	Results	Units	Results	Units
Sample ID	Sample ID	Sample Location / Description	Matrix	Results	Units	Limits	Comments
ECG-23-6539-01Pb	L31544	Orange Colored Paint - Metal Flashing at 2-Story South Building, Roof Level	Paint	0.07%	Wt %	0.01%	674 PPM
ECG-23-6539-02Pb	L31545	Blue Colored Paint - Metal Fascia at 2-Story South Building, Roof Level	Paint	<0.01%	Wt %	0.01%	<100 PPM
ECG-23-6539-03Pb	L31546	Blue Colored Paint - Metal Drip Edge Flashing at 2-Story South Building, Roof Level	Paint	<0.01%	Wt %	0.01%	<100 PPM
ECG-23-6539-04Pb	L31547	Beige Colored Paint - Concrete Walls at East Cafeteria Building, Upper Area	Paint	<0.01%	Wt %	0.01%	<100 PPM
ECG-23-6539-05Pb	L31548	Blue over Orange Colored Paint - Metal Columns at 2-Story South Building, Ground Level	Paint	19.31%	Wt %	0.01%	193138 PPM
ECG-23-6539-06Pb	L31549	Beige Colored Paint - Wood Stub Out Foundation at 1-Story Southwest Classroom Building, Ground Level	Paint	<0.01%	Wt %	0.01%	<100 PPM
ECG-23-6539-07Pb	L31550	Beige Colored Paint - Stucco Ceiling at 2-Story South Building, Ground Level	Paint	<0.01%	Wt %	0.01%	<100 PPM
ECG-23-6539-08Pb	L31551	Beige Colored Paint - Concrete Wall at Gym Building, Ground Level North Side	Paint	<0.01%	Wt %	0.01%	<100 PPM
ECG-23-6539-09Pb	L31552	Blue Colored Paint - Wood Door at Northeast Classroom Building, West Side	Paint	0.48%	Wt %	0.01%	4841 PPM
ECG-23-6539-10Pb	L31553	Blue Colored Paint - Wood Door Frame at Northeast Classroom Building, West Side	Paint	0.11%	Wt %	0.01%	1063 PPM

Date Received: Wednesday, February 8, 2023
Date Analyzed: Wednesday, February 8, 2023
Date Reported: Friday, February 10, 2023

Samples Received: 11
 Samples Analyzed: 11

Analyst: Erich Bowman

Authorized Signatory:
 Kelly Favero - Lab Manager

This report applies to the standards and procedures indicated and to the specific samples analyzed. Samples have NOT been corrected for blank values. EPA 3050B Hotblock Preparaton Method



MicroTest Laboratories, Inc. | AIHA ELPAT #160934
 3110 Gold Canal Dr, Ste. A, Rancho Cordova, CA 95670
 PH 916.567.9808 | FX 916.404.0302
 www.microtestlabsinc.com | service@microtestlabsinc.com

for office use only

Project ID
L31544-54

CLIENT INFORMATION

Company Entek Consulting Group, Inc
Name Ryan Metzen
Address 4200 Rocklin Road, Suite 7
 Rocklin, CA 95677
Phone 916.632.6800
Email mainoffice@entekgroup.com
 rmetzen@entekgroup.com

SAMPLE
Date Wednesday, February 8, 2023
Time

MicroTest Laboratories

Analytical Data

JOB SITE INFORMATION

Sampler Blake Howes
Project Sac City Unified School District
Site Albert Einstein Middle School
Address 9325 Mirandy Drive
 Sacramento, CA 95826
Job # 23-6539

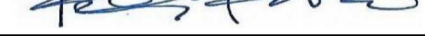
EPA METHOD 7420/7000B

Client	Laboratory	Client	Reporting	Results	Units
Sample ID	Sample ID	Sample Location / Description	Limits	Comments	Units
ECG-23-6539-11Pb	L31554	Beige Colored Paint - Corrugated Metal Covered Walkway Ceiling Deck	0.01%	1276	PPM
			0.13%	Wt %	

Date Received: Wednesday, February 8, 2023
Date Analyzed: Wednesday, February 8, 2023
Date Reported: Friday, February 10, 2023

Samples Received: 11
 Samples Analyzed: 11

Analyst: Erich Bowman

Authorized Signatory: 
 Kelly Favero - Lab Manager

This report applies to the standards and procedures indicated and to the specific samples analyzed. Samples have NOT been corrected for blank values. EPA 3050B Hotblock Preparation Method



BULK LEAD MATERIAL *Analysis Request*

ENTEK CONSULTING GROUP, INC.

4200 ROCKLIN ROAD, SUITE 7
ROCKLIN, CA 95677
(916) 632-6800 PHONE
(916) 632-6812 FAX
mainoffice@entekgroup.com

Date of Sampling: February 8, 2023

Lab: MicroTest Laboratories

Job Number: 23-6539

Collected by: Blake Howes

Client Name: Sac City Unified School District

Turnaround Time: 48 Hour

Site Address: Albert Einstein Middle School
9325 Mirandy Drive
Sacramento, CA 95826

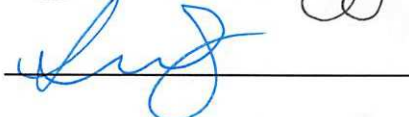
ANALYSIS REQUESTED: Lead by Flame Atomic
Absorption Spectroscopy

Special Instruction: *Please report result in PPM and % by weight. Please email results as soon as possible.*

SAMPLE #	MATERIAL DESCRIPTION/LOCATION
ECG-23-6539-01Pb	Orange Colored Paint - Metal Flashing at 2-Story South Building, Roof Level
ECG-23-6539-02Pb	Blue Colored Paint - Metal Fascia at 2-Story South Building, Roof Level
ECG-23-6539-03Pb	Blue Colored Paint - Metal Drip Edge Flashing at 2-Story South Building, Roof Level
ECG-23-6539-04Pb	Beige Colored Paint - Concrete Walls at East Cafeteria Building, Upper Area
ECG-23-6539-05Pb	Blue over Orange Colored Paint - Metal Columns at 2-Story South Building, Ground Level
ECG-23-6539-06Pb	Beige Colored Paint - Wood Stub Out Foundation at 1-Story Southwest Classroom Building, Ground Level
ECG-23-6539-07Pb	Beige Colored Paint - Stucco Ceiling at 2-Story South Building, Ground Level
ECG-23-6539-08Pb	Beige Colored Paint - Concrete Wall at Gym Building, Ground Level North Side
ECG-23-6539-09Pb	Blue Colored Paint - Wood Door at Northeast Classroom Building, West Side
ECG-23-6539-10Pb	Blue Colored Paint - Wood Door Frame at Northeast Classroom Building, West Side
ECG-23-6539-11Pb	Beige Colored Paint - Corrugated Metal Covered Walkway Ceiling Deck

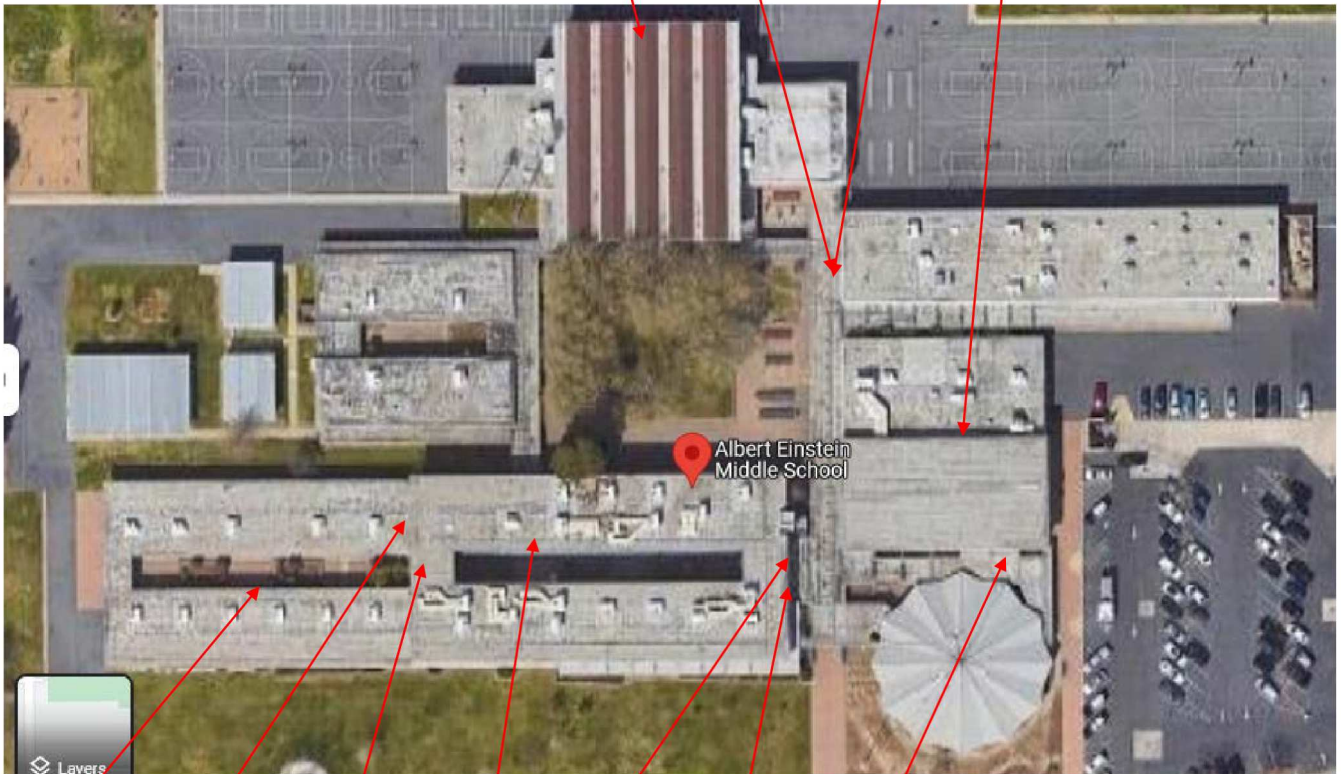
C:\Users\lbhowes\Entek Consulting Group, Inc\Entekgroup - Documents\Clients\Sacramento City USD\23-6539 Einstein MS, Roof\Bulk Pb\Bulk Request Pb 02-07-23.wpd

Delivered by:  **Date:** 2/8/23 **Time:** 10:03 AM/PM

Received by:  **Date:** 2/8/23 **Time:** 10:24 AM/PM



08Pb 09Pb 10Pb 04Pb



06Pb 01Pb 05Pb 07Pb 02Pb 03Pb 11 Pb

Sacramento City Unified School District
Albert Einstein Middle School
9325 Mirandy Drive
Sacramento, CA 95826

Entek Consulting Group, Inc.
4200 Rocklin Road, Suite 7
Rocklin, CA 95677
Map Not to Scale

Cloud

Asbestos Bulk Sample Locations
Collected by Blake Howes
On February 7, 2023
Project Number 23-6539

LEAD HAZARD EVALUATION REPORT

Section 1 — Date of Lead Hazard Evaluation February 7, 2023

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

Lead Inspection Risk assessment Clearance Inspection Other (specify)

Section 3 — Structure Where Lead Hazard Evaluation Was Conducted

Address [number, street, apartment (if applicable)]		City	County	Zip Code
9325 Mirandy Dr		Sacramento	Sacramento	95826
Construction date (year) of structure	Type of structure		Children living in structure?	
1950's	<input type="checkbox"/> Multi-unit building <input checked="" type="checkbox"/> School or daycare <input type="checkbox"/> Single family dwelling <input type="checkbox"/> Other 		<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		Telephone number	
Sacramento City Unified School District - Mr. Chris Ralston		(916) 395-3970	
Address [number, street, apartment (if applicable)]		City	State
5735 47th Avenue		Sacramento	California
		Zip Code	
		95824	

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

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

Section 6 — Individual Conducting Lead Hazard Evaluation

Name		Telephone number	
Entek Consulting Group, Inc. - Blake Howes		(916) 632-6800	
Address [number, street, apartment (if applicable)]		City	State
4200 Rocklin Road, Suite 7		Rocklin	CA
		Zip Code	
95677			
CDPH certification number	Signature	Date	
3315		2-14-23	

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

Gerald Moralez - 10718

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 C

BACK UP DOCUMENTATION

- Photo Log
- Inspector Accreditations and Certifications
- Laboratory Accreditations for Asbestos and Lead Analysis

Photo Log

Job Number:	23-6539	Date:	February 7, 2023
Client:	Sacramento City Unified School District		
Site Address:	Albert Einstein Middle School - 9325 Mirandy Dr, Sacramento, CA 95826		



Roof of Northeast Classroom Building Showing Roof Jacks and Curbs



Window Frame Showing Glazing Putty

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

Blake W Howes

Name



Certification No. **13-5015**

Expires on **04/17/23**

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.



LEAD-RELATED CONSTRUCTION CERTIFICATE

INDIVIDUAL:



CERTIFICATE TYPE:

Lead Inspector/Assessor

NUMBER:

LRC-00003315

EXPIRATION DATE:

9/27/2023

Blake Howes

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: 101442-0

ASBESTECH
Rancho Cordova, CA

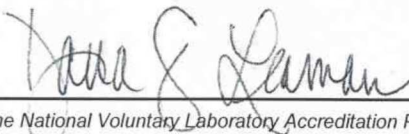
*is accredited by the National Voluntary Laboratory Accreditation Program for specific services,
listed on the Scope of Accreditation, for:*

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



Dana S. Laman
For the National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ASBESTECH

11151 Sun Center Drive, Suite B

Rancho Cordova, CA 95670

Mr. Tommy Conlon

Phone: 916-481-8902 Fax: 916-481-3975

Email: asbestech@sbcglobal.net

<http://www.asbestechlab.com>

ASBESTOS FIBER ANALYSIS

NVLAP LAB CODE 101442-0

Bulk Asbestos Analysis

Code

Description

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

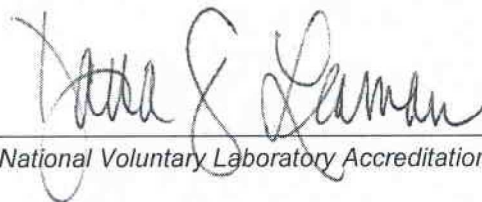
Airborne Asbestos Analysis

Code

Description

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



STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS



CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

**CERTIFICATE OF
ENVIRONMENTAL LABORATORY ACCREDITATION**

Is hereby granted to

MicroTest Laboratories, Inc.

3110 Gold Canal Drive
Rancho Cordova, CA 95670

Scope of the certificate is limited to the
"Fields of Accreditation"
which accompany this Certificate.

Continued accredited status depends on compliance with applicable laws and regulations,
proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of
Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **2974**

Effective Date: **7/1/2022**

Expiration Date: **6/30/2024**

A handwritten signature in blue ink, appearing to read "Christine Sotelo".

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Program Manager
Environmental Laboratory Accreditation Program



**CALIFORNIA STATE
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Fields of Accreditation**



MicroTest Laboratories, Inc.

3110 Gold Canal Drive
Rancho Cordova, CA 95670
Phone: 9165679808

**Certificate Number: 2974
Expiration Date: 6/30/2024**

Field of Accreditation:114 - Inorganic Constituents in Hazardous Waste

114.345 002	Antimony	EPA 6020 B
114.345 003	Arsenic	EPA 6020 B
114.345 004	Barium	EPA 6020 B
114.345 005	Beryllium	EPA 6020 B
114.345 006	Cadmium	EPA 6020 B
114.345 008	Chromium	EPA 6020 B
114.345 009	Cobalt	EPA 6020 B
114.345 010	Copper	EPA 6020 B
114.345 012	Lead	EPA 6020 B
114.345 016	Nickel	EPA 6020 B
114.345 018	Selenium	EPA 6020 B
114.345 021	Thallium	EPA 6020 B
114.345 023	Zinc	EPA 6020 B
114.345 024	Molybdenum	EPA 6020 B
114.515 001	Lead	EPA 7420
114.545 001	Mercury	EPA 7471 B

Field of Accreditation:115 - Leaching/Extraction Tests and Physical Characteristics of Hazardous Waste

115.055 001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II
115.085 001	Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311

Field of Accreditation:121 - Bulk Asbestos Analysis of Hazardous Waste

121.010 001	Bulk Asbestos	EPA 600/M4-82-020
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ENTEK CONSULTING GROUP, INC.

4200 Rocklin Road, Suite 7, Rocklin, CA 95677 Phone (916) 632-6800 Fax (916) 632-6812 www.entekgroup.com

February 28, 2023

Mr. Chris Ralston
Director III
Sacramento City Unified School District
Facilities Management, Maintenance & Operations, and Resource Management
5735 47th Avenue
Sacramento, CA 95824

Re: Addendum Lead Bulk Sampling Report – Albert Einstein Middle School, 9325 Mirandy Drive, Sacramento CA 95826

Dear Mr. Ralston,

Entek Consulting Group, Inc. (Entek) is pleased to provide this addendum lead in paint bulk sampling report to Sacramento City Unified School District (SCUSD) for the upcoming HVAC related project at Albert Einstein Middle School. This report provides additional lead sampling results for steel beams, trusses, and roof decking for the northeast classroom building at the campus. These structural members are expected to be impacted during replacement of HVAC systems.

On February 23, 2023, Mr. Blake Howes collected a total of four (4) lead bulk samples of paint from steel roof trusses, I-beams, and the underside of the metal roof decking expected to be impacted by the upcoming HVAC replacement project. Mr. Howes is a California Department of Public Health (CDPH) accredited lead inspector/assessor.

Lead Bulk Sampling and Results

All bulk lead samples were submitted to MicroTest Laboratories located in Rancho Cordova, California, and analyzed by flame atomic absorption spectroscopy method 6020B. MicroTest is an ELAP accredited laboratory. Please view the tables below for the results of the analysis:

Paints/Coatings/ Materials Determined to be Lead Based Paint (LBP)		
Paint/Coating Color or Material	Lead Content	Component/Location
Orange Colored Paint	576,673 ppm	Large Metal I-Beams - Plenum space above room 25B, assumed to be present throughout area

LBP - Materials/coatings/paints meeting the definition of lead-based paint as defined by the CDPH and the US EPA, currently defined as containing lead in concentrations equal to or greater than 1.0 mg/cm², 5,000 ppm, or 0.5% by weight.

Paints/Coatings/ Materials Determined to be Lead Containing Paint (LCP)		
Paint/Coating Color or Material	Lead Content	Component/Location
White Colored Paint	122 ppm	Metal Roof Truss – Plenum space above room 26, assumed to be present throughout the area

Paints/Coatings/ Materials Determined to be Lead Containing Paint (LCP)		
Paint/Coating Color or Material	Lead Content	Component/Location
White Colored Paint	433 ppm	Metal Roof Deck – Plenum space above room 26, assumed to be present throughout the area
Red Colored Paint	2,252 ppm	Metal Roof Truss – Plenum space above room 25B, assumed to be present throughout the area

LCP - Materials/coatings/paints which contain measurable amounts of lead. The disturbance of these materials/coatings/paints is regulated by Cal/OSHA.

Any upcoming project which may result in the disturbance of lead containing products or surfaces but is not intended to remediate a lead hazard or specifically designed to remove LBP to reduce or eliminate a known hazard, would be considered “lead related construction work”.

Lead related construction work does not fit the classification of a “lead abatement project” under CDPH Title 17 regulations. “*Abatement*” is defined in Title 17, Division 1, Chapter 8, Article 1 as “any set of measures designed to reduce or eliminate lead hazards or LBP for public and residential buildings but does not include containment or cleaning.” A *lead hazard* is defined in Title 17, Division 1, Chapter 8, Article 1 as “deteriorated LBP, lead contaminated dust, lead contaminated soil, disturbing LBP or presumed LBP without containment, or any other nuisance which may result in persistent and quantifiable lead exposure.”

Lead related construction work means any “construction, alteration, painting, demolition, salvage, renovation, repair, or maintenance of any residential or public building, including preparation and cleanup, that, by using or disturbing lead-containing material or soil, may result in significant exposure of adults or children to lead”. (Title 17, California Code of Regulations, Division 1, Chapter 8, Article 1).

Currently, Cal/OSHA has not established a definition for LBP, nor have they established minimum concentrations where their regulations do not apply. Cal/OSHA regulates all construction activities involving materials containing lead, including LBP. These regulations are found in CCR, Title 8 Section 1532.1 (§1532.1) Lead in Construction.

Since Cal/OSHA has not established a concentration of lead in a product where their regulations do not apply, any disturbance to products containing lead come under the jurisdiction of Cal/OSHA and their regulations. Disturbance of paints/coatings or materials determined to be LBP may trigger a pre-work notification to Cal/OSHA if “trigger tasks” disturb 100 square feet or more of those paints/coatings or materials. Trigger tasks are described in Title 8 CCR 1532.1.

Limitations

This lead bulk sampling was performed as an addendum to the already issued hazardous materials survey report for Albert Einstein Middle School dated February 14, 2023. All stated findings and recommendations from that report stand as stated.

If any other suspect materials not listed as having been sampled in this or previous reports are discovered, which will be impacted during the project, those materials must be assumed to contain lead until properly inspected and tested for lead content.

Entek’s policy is to retain a full copy of these written documents for three (3) years once the file is closed. At the end of the three (3) year period the written files will be destroyed without further notice. It is

Mr. Chris Ralston
Sacramento City USD
February 28, 2023



suggested copies of the file(s) are maintained as per your policy. Entek will be providing only this electronic copy of the report and its attachments for your use. However, if you would like a hard copy of this report a copy will be mailed upon request. Thank you for choosing Entek for your hazardous materials needs.

Sincerely,

A handwritten signature in black ink that reads "Blake Howes".

Blake Howes
Vice President

Attachments



MicroTest Laboratories, Inc. | AIHA ELPAT #160934
 3110 Gold Canal Dr, Ste. A, Rancho Cordova, CA 95670
 PH 916.567.9808 | FX 916.404.0302
 www.microtestlabsinc.com | service@microtestlabsinc.com

for office use only

Project ID
L31832-35

CLIENT INFORMATION

Company Entek Consulting Group, Inc
Name Ryan Metzen
Address 4200 Rocklin Road, Suite 7
 Rocklin, CA 95677
Phone 916.632.6800
Email mainoffice@entekgroup.com
 rmetzen@entekgroup.com

SAMPLE
Date Thursday, February 23, 2023
Time

MicroTest Laboratories

Analytical Data

JOB SITE INFORMATION

Sampler Blake Howes
Project Sac City Unified School District
Site Albert Einstein Middle School
Address 9325 Mirandy Drive
 Sacramento, CA 95826
Job # 23-6539

EPA METHOD 7420/7000B

Client	Laboratory	Client	Reporting	Results	Units	Limits	Results	Units
Sample ID	Sample ID	Sample Location / Description	Matrix	Results	Units	Limits	Comments	
ECG-23-6539-12Pb	L31832	White Colored Paint - Metal Roof Truss, Northeast Building, Room 26 Plenum	Paint	0.01%	Wt %	0.01%	122	PPM
ECG-23-6539-13Pb	L31833	White Colored Paint - Metal Roof Deck Underside, Northeast Building, Room 26 Plenum	Paint	0.04%	Wt %	0.01%	433	PPM
ECG-23-6539-14Pb	L31834	Red Colored Paint - Metal Roof Truss, Northeast Building, Room 25B Plenum	Paint	0.23%	Wt %	0.01%	2252	PPM
ECG-23-6539-15Pb	L31835	Orange Colored Paint - Metal I-Beam, Northeast Building, Room 25B Plenum	Paint	57.67%	Wt %	0.01%	576673	PPM

Date Received: Thursday, February 23, 2023
Date Analyzed: Friday, February 24, 2023
Date Reported: Monday, February 27, 2023

Samples Received: 4
 Samples Analyzed: 4

Analyst: Erich Bowman

Authorized Signatory: 
 Kelly Favero - Lab Manager

This report applies to the standards and procedures indicated and to the specific samples analyzed. Samples have NOT been corrected for blank values. EPA 3050B Hotblock Preparation Method

BULK LEAD MATERIAL *Analysis Request***ENTEK CONSULTING GROUP, INC.**

4200 ROCKLIN ROAD, SUITE 7
ROCKLIN, CA 95677
(916) 632-6800 PHONE
(916) 632-6812 FAX
mainoffice@entekgroup.com

Date of Sampling: February 23, 2023**Lab:** MicroTest Laboratories**Job Number:** 23-6539**Collected by:** Blake Howes**Client Name:** Sac City Unified School District**Turnaround Time:** 48 Hour**Site Address:** Albert Einstein Middle School
9325 Mirandy Drive
Sacramento, CA 95826**ANALYSIS REQUESTED:** Lead by Flame Atomic
Absorption Spectroscopy**Special Instruction:** *Please report result in PPM and % by weight. Please email results as soon as possible.*

SAMPLE #	MATERIAL DESCRIPTION/LOCATION
ECG-23-6539-12Pb	White Colored Paint - Metal Roof Truss, Northeast Building, Room 26 Plenum
ECG-23-6539-13Pb	White Colored Paint - Metal Roof Deck Underside, Northeast Building, Room 26 Plenum
ECG-23-6539-14Pb	Red Colored Paint - Metal Roof Truss, Northeast Building, Room 25B Plenum
ECG-23-6539-15Pb	Orange Colored Paint - Metal I-Beam, Northeast Building, Room 25B Plenum

C:\Users\bhowes\Entek Consulting Group, Inc\Entekgroup - Documents\Clients\Sacramento City USD\23-6539 Einstein MS, RoofBulk Pb\Bulk Request Pb 02-23-23.wpd

Delivered by:**Date:**

2/23/23

Time:

3:15 AM/PM

Received by:**Date:**

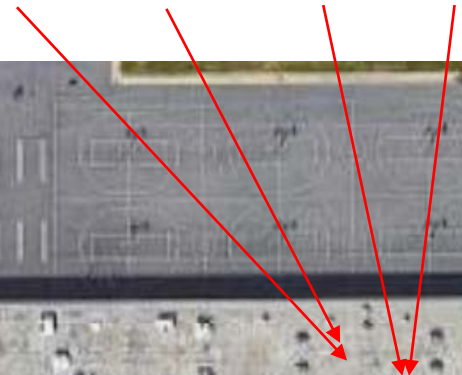
2/23/23

Time:

3:15 AM/PM



15Pb 14Pb 13Pb 12Pb



Sacramento City Unified School District
Albert Einstein Middle School
9325 Mirandy Drive
Sacramento, CA 95826

Entek Consulting Group, Inc.
4200 Rocklin Road, Suite 7
Rocklin, CA 95677
Map Not to Scale

Lead Bulk Sample Locations
Collected by Blake Howes
On February 23, 2023
Project Number 23-6539