



January 25, 2025

Mr. Anthony Espinoza, Environmental Health Manager  
**LOS ANGELES UNIFIED SCHOOL DISTRICT**  
Office of Environmental Health and Safety  
333 S. Beaudry Avenue, 28<sup>th</sup> Floor  
Los Angeles, California 90017

**Attention: Mr. Filmon Tesfaslasie**

**Re: Technical Memorandum, Post-Fire Visual Inspection, Paul Revere Charter Middle School,  
1450 Allenford Avenue, Los Angeles, CA 90049**

**NV5 Project No. LAUS-25-03371**

Dear Mr. Espinoza,

NV5, Inc. (NV5) was retained by the Los Angeles Unified School District – Office of Environmental Health and Safety (LAUSD-OEHS) to conduct a site inspection consisting of a visual inspection for the presence of visible ash and any fire-related debris at the Paul Revere Charter Middle School, located at 1450 Allenford Avenue, Los Angeles, California. The inspection was conducted by NV5 and OEHS personnel under the oversight of a Certified Industrial Hygienist (CIH).

## **1 SITE INSPECTION**

The inspection was performed on January 18, 2025, by NV5 personnel (David Schack, Noah Stevens, and Jorge Robles). The inspection was conducted to evaluate for the presence of fire-related ash and debris likely originating from recent fires within the Pacific Palisades area. Specifically, NV5 evaluated for the presence of fire-related ash and debris that may have been aerially deposited on surfaces within the interior spaces of classrooms and other buildings (i.e. administrative offices, auditoriums, etc.). The presence of smoke-like odors was also recorded. A photo-ionization detector (PID), calibrated to 50 parts per million by volume (ppmv), was utilized to screen for volatile organic compounds (VOCs) within the buildings and outdoor areas.

Please note that not all of the buildings and rooms were inspected because it was determined that the site needed to be cleaned and that smoke was present in the majority of the interior areas.

An additional inspection was performed on January 25, 2025 by NV5 personnel, Courtney Hansen and OEHS personnel after the school cleaning.

### **NV5**

3777 Long Beach Boulevard Annex Building Long Beach CA 90807 United States of America  
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NV5 did not inspect any ventilation or ductwork at the school. LAUSD OEHS Dept informed NV5 that all HVAC filters have been changed at the school after the wildfires (January 2025).

## 2 SUMMARY OF FINDINGS

A summary of the findings of the January 18, 2025 visual inspection of interior spaces are as follows:

- Localized areas of ash, dust, and debris were visually observed during the initial inspection. Specifically, the presence of ash, dust, and/or debris were present in localized areas in buildings where the windows were left open, or where openings were observed at the bottom of doors. Soot build-up and debris was noted in the backstage area in the auditorium and in the boy's locker room of the gymnasium.
- Smoke-like odors were detected during NV5's initial inspection in many of the areas that were accessed, including the auditorium, boy's locker room, and classrooms. The strongest odors were present in the auditorium and adjoining rooms.
- The build-up of minor dust and debris was observed to be present at the doorway entrances (interior/exterior door threshold).
- Dust and debris were observed to be present on door mats.
- PID readings ranged from 0.0 ppmv to 0.4 ppmv. The PID readings are interpreted to be representative of baseline conditions for the school. The PID readings are listed on the Indoor Air Source Screen Form, included in Attachment A. The locations of PID readings are provided on a site map provided by the LAUSD, also included in Attachment A.

A summary of the findings of the January 25, 2025, visual inspection of interior spaces are as follows:

- The main gymnasium still had localized areas of ash and dust by the air grates around the perimeter of the gym floor. The area was cleaned while NV5 was at the site and no signs of ash and dust were observed after cleaning.
- NV5 did not observe any build up of ashes or dust throughout the following indoor areas inspected:
  - Auditorium, Rooms B-1, B-3, B-5, C-2, C-4, C-6, H-2, J-6, Farms classrooms, X-13, W-1, Hallway of Building X, N-1, G-1, L-1 and S building.
- Smoke-like odors were not detected.

## 3 CONCLUSIONS

Based on the visual observations, NV5's conclusions are the following:

- The comprehensive cleaning efforts have been successfully completed. The primary contaminants, including ash and soot have been effectively removed in the indoor areas inspected by NV5.
- Continuous cleaning and monitoring should be implemented to ensure the maintenance of those areas.

## 4 ASSUMPTIONS AND LIMITATIONS

This Technical Memorandum was prepared exclusively for use by LAUSD and may not be relied upon by any other person or entity without NV5's express written permission. The information described in this

Technical Memorandum apply to conditions existing at certain locations when services were performed and are intended only for the specific purposes, locations, time frames and project parameters indicated. NV5 cannot be responsible for the impact of any changes in conditions, standards, practices or regulations after performance of services.

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

For and on behalf of NV5:

Steven Ridenour, PG  
Senior Project Manager/Senior Geologist III



Cecile Felsher, CIH, CSP  
Vice President, EHS & Air

Attachments:

A – Indoor Air Source Screen Forms

# Attachment A

**Indoor Air Source Screen Forms**

## Indoor Air Source Screen Form

This form should be used while conducting field screening (Step 3B.3, Supplemental Vapor Intrusion Guidance). An Indoor Source Screen Survey of indoor air will help identify potential sources of vapor forming chemicals (VFCs) and/or potential subsurface vapor entry points. Common screening tools, such as, Photoionization Detector (PID), Gas Chromatography-Photoionization Detector (GC-PID), Gas Chromatography Mass Spectrometry (GC-MS), or Gas Chromatography-Electron Capture Detector (GC-ECD), should be used to detect the presence of VFCs in the air.

Use this form to document the room/area and location where the measurement was recorded during the Indoor Air Source Screen Survey, the field instrument type used, and the instrument reading and units. If a consumer product is identified and surrounding air tested, the location and the volatile ingredients of the product should be noted. (If the item(s) may be contributing VFCs to the indoor air, the items should be removed in advance of indoor air sampling.) This survey should be used to support the development of a conceptual understanding of how vapor intrusion may be occurring at the building and used in selecting sample locations for evaluating spatial distribution of VFCs in indoor air.

Site Information	Input
Building Address:	1450 Alkenford Avenue, Los Angeles CA 90049
Site/Facility Name:	Paul Renee MS
Screening Event Date:	01/18/25
Screening Event Time:	09:30 - 11:00
Event Weather Conditions:	Santa Monica Airport weather-station: 49°, wsw wind 40 mph, No haze Sunny, No wind, No extreme weather, Adjacent Fire closure
Name of Person(s) Conducting Sampling:	Noah Stevens, Jorge Robles, Dave Schack
Company Conducting Sampling:	NVS
Field Instrument Type <sup>1</sup> :	1, PID
Instrument Calibration Date:	See Attached
Analyte Name:	1:1 calibrated for Hexane

1 - Photoionization Detector (PID), Gas Chromatography-Photoionization Detector (GC-PID), Gas Chromatography-Mass Spectrometry (GC-MS), Gas Chromatography-Electron Capture Detector (GC-ECD), etc.

# Indoor Air Source Screen Form

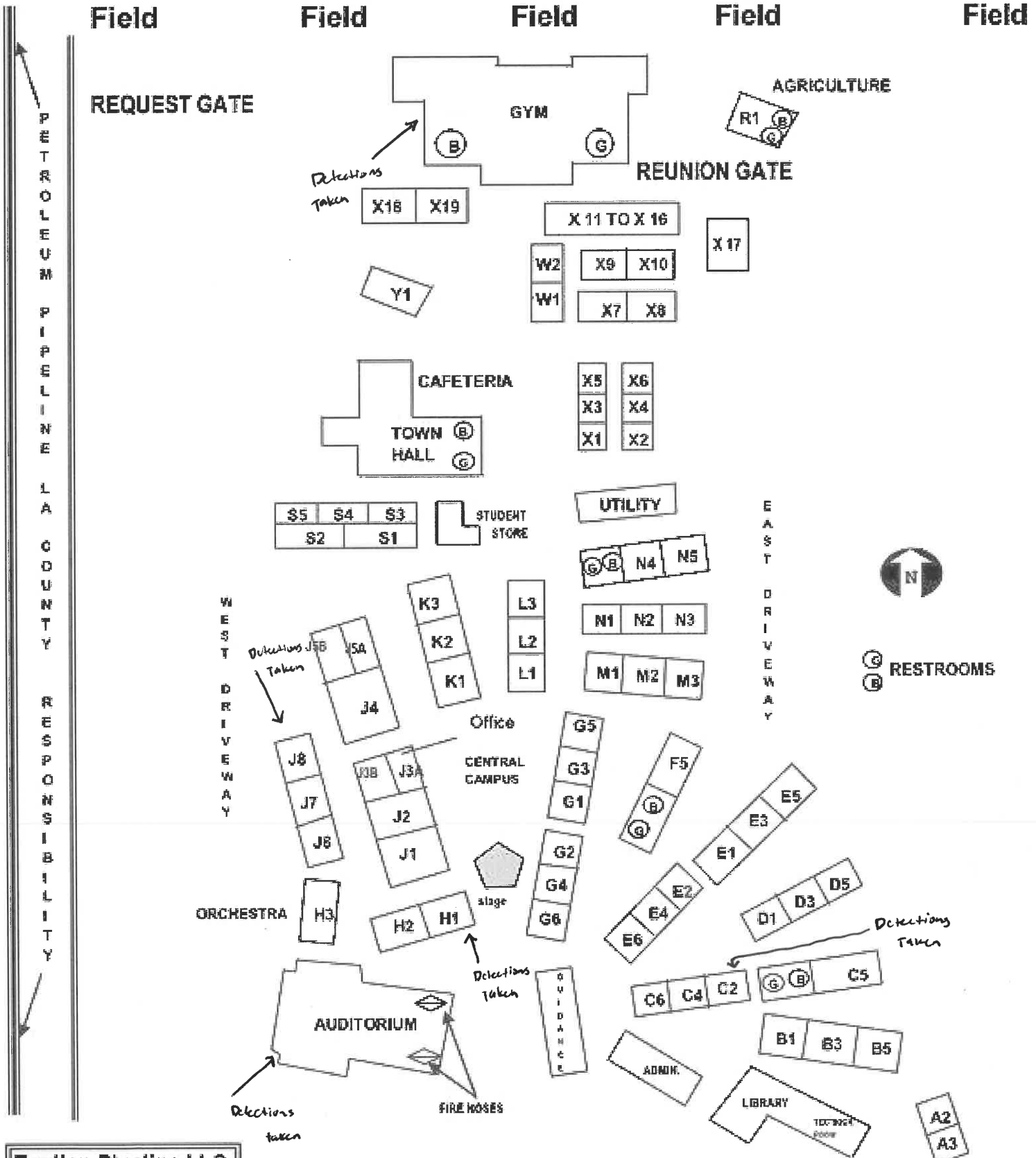
Sample Room/Area	Sample Location	Sample ID	Instrument Reading	Units	Volatile Ingredients in Consumer Products Identified Near Sample		
- C-6	- Recess MS	-	0.2	ppm	NA		
- C-4	↓	-	0.21	ppm	↓		
- C-2		-	0.1	ppm			
- B-1		-	0.1	ppm			
- B-3		-	0.6	ppm			
- B-5		-	0.0	ppm			
- Outdoor Analysis		- OA	-	0.6		ppm	
- Auditorium Bldg.		-	-	0.3		ppm	
- Auditorium Side Stage		-	-	0.0		ppm	
- H-1		-	-	0.2		ppm	
- H-2		-	-	0.4		ppm	
- J-6		-	-	0.4		ppm	
- Gym office		-	-	0.1		ppm	
- Gym Boys Locker		-	-	0.0		ppm	
-		-	-	-		-	-
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**Comments:**  
 Strong odor noted in auditorium + adjoining rooms  
 Some soot noted in auditorium side-stage room

# PAUL REVERE CHARTER MIDDLE SCHOOL & MAGNET CENTER

1450 ALLENFORD AVE. LOS ANGELES, CA 90049

PHONE: 310.917.4800 | FAX: 310.576-7957 | A.O. FAX: 310.917.4859





# INSTRUMENT CALIBRATION REPORT

Pine Environmental Services, LLC.

## Alta Enviromental "Long Beach"

Instrument ID 592-925204  
Description MINIRAE3000  
Calibrated 3/24/2022

Manufacturer RAESYSTEMS  
Model Number  
Serial Number 592-925204  
Location  
Department

Frequency quarterly  
Status  
Temp 24.9  
Humidity 41

### Calibration Specifications

Group # 1  
Group Name VOC  
Stated Accy Pct of Reading

Range Acc % 0.0000  
Reading Acc % 3.0000  
Plus/Minus 0.00

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
50.00 / 50.00	PPM	50.00	PPM	50.00	50.00	0.00%	Pass

### Test Instruments Used During the Calibration

(As Of Cal Entry Date)

<u>Test Instrument ID</u>	<u>Description</u>	<u>Manufacturer</u>	<u>Model Number</u>	<u>Serial Number / Lot Number</u>	<u>Last Cal Date</u>	<u>Next Cal Date / Expiration Date</u>
CA HEX 50PPM	CA HEXANE 50PPM	Pine	34LS-289-50	TGBI-289-50-2		6/13/2022
LOT#TGBI-289-50-2	LOT#TGBI-289-50-2	Environmental Services, Inc.				

### Notes about this calibration

Calibration Result Calibration Successful  
Who Calibrated Andrew Bettencourt

**Pine Environmental Services, LLC. hereby certifies that this instrument is calibrated and functions to meet the manufacturer's specifications using NIST traceable standards, or is derived from accepted values of physical constants.**