

INTER-OFFICE CORRESPONDENCE
Los Angeles Unified School District
Office of Environmental Health and Safety

TO: Anthony Espinoza
Environmental Health Manager
Office of Environmental Health and Safety

DATE: April 4, 2025

FROM: Lawrence Browne *LB*
Site Assessment Project Manager
Office of Environmental Health and Safety

**SUBJECT: BRENTWOOD ELEMENTARY SCIENCE MAGNET – AIR QUALITY
SURVEY RESULTS**

Office of Environmental Health and Safety (OEHS) staff conducted indoor and outdoor air quality screening at Brentwood Elementary Science and Magnet on March 31, 2025, in response to community concerns and previous screening activities conducted at Canyon Charter Elementary School. The purpose of the indoor air quality screening was to identify potential impacts from residual smoke, ash, and any fire related debris associated with the Palisades fire. Brentwood Elementary Science Magnet (Site) is located at 740 South Gretna Green Way in Los Angeles, California 90049.

OEHS staff conducted limited air quality sampling in multiple occupied spaces (i.e., classrooms, offices, the library, the reproduction room, and the Multi-Purpose Room [MPR]). OEHS utilized both a RKI Instruments, Inc., Eagle 2 Sample Draw Monitor (serial number E2G672) with photo ionization detector (PID) capabilities to collect volatile organic compound (VOC) and carbon monoxide (CO) readings on a parts per million (ppm) screening level and a Met One Instruments, Inc., AEROCET 531S Particle Mass Profiler & Counter (serial number A15233) to collect particulate matter (PM) readings, specifically PM_{2.5} and PM₁₀, on a microgram (µg) screening level.

Prior to initiating the survey on March 31, 2025, both of the battery powered handheld instruments were calibrated per manufacturer standard operating procedures and then the instruments were used to collect VOC, CO, PM_{2.5} and PM₁₀ readings from occupied spaces at the Site. The Air Quality Index on this day was 31 at the start of the day which represents good air quality, relative humidity was 90 percent, the temperature at the start of the day was 57 degrees Fahrenheit and it was overcast during the entire survey event, although it had been raining overnight and earlier in the morning.

After determining that the Eagle 2 and the AEROCET 531S were both operating per the manufacturer specifications, the air quality survey was initiated by entering a room and placing both instruments in the breathing zone, typically on top of a desk, and allowing the units to equilibrate for a minute before collecting data points. The following table summarizes the data collected during the survey:

Building ID	Room ID	PID Reading (ppm)		PM Reading (µg)		Observations
Main Building	Library	VOCs	0	2.5	3.2	
		CO	0	10	12.3	
	Health Ctr	VOCs	0	2.5	0.4	Air purifier operating on arrival
		CO	0	10	1.9	
	RM 8	VOCs	0	2.5	2.8	
		CO	0	10	10.0	
	RM 7	VOCs	0	2.5	3.2	
		CO	0	10	9.6	
	RM 4	VOCs	0	2.5	2.9	One window partially open on arrival
		CO	0	10	17.8	
	Main Office	VOCs	0	2.5	2.6	
		CO	0	10	5.4	
North Building	RM 15	VOCs	0	2.5	1.3	All classroom doors open on arrival, air purifier
		CO	0	10	4.8	operating on arrival
	RM 16	VOCs	0	2.5	1.4	Area rug at classroom entrance, air purifier
		CO	0	10	50.9	operating on arrival
		--	--	10	23.2	2nd PM 10 reading collected after 4 min wait
	RM 21	VOCs	0	2.5	0.6	Multiple air purifiers operating on arrival
		CO	0	10	3.2	
AA-1735	RM 26	VOCs	0	2.5	1.2	Door to adjoining RM 25 open on arrival
CO		0	10	3.5		
AA-889	RM 30	VOCs	0	2.5	2.7	
CO		0	10	9.7		
Kindergarten Building	RM 22	VOCs	0	2.5	0.9	Air purifier operating on arrival
CO		0	10	2.5		
AA-479	RM 55	VOCs	0	2.5	0.8	Area rug in classroom, air purifier operating
		CO	0	10	35.2	on arrival
		--	--	10	10.2	2nd PM 10 reading collected after 3 min wait
AA-1156	RM 58	VOCs	0	2.5	1.2	
CO		0	10	7.4		
AA-291	RM 45	VOCs	0	2.5	1.8	
CO		0	10	5.2		
Cafeteria	Repro Room	VOCs	0	2.5	2.4	No air purifier located in room
		CO	0	10	5.3	
	MPR	VOCs	0	2.5	3.7	No air purifier located in room
		CO	0	10	9.3	
S. Lunch Shelter	Ambient	VOCs	0	2.5	13.8	
	Outdoor Air	CO	0	10	27.6	

VOCs and CO were not detected in any surveyed indoor occupied space. PM_{2.5} detections in indoor occupied spaces ranged from 0.4 micrograms (µg) to 3.7 µg (at the MPR) and PM₁₀ detections in indoor occupied spaces ranged from 1.9 µg to 23.2 µg (in Room 16). Two classrooms (Room 16 and Room 55) had initially elevated concentrations of PM₁₀ that reduced after waiting an additional three to four minutes. Room 16 has an area rug located at the entrance door that was likely the dust source as OEHS traversed the area rug to enter the room, however no dust source was readily apparent in Room 55. Ambient outdoor air was surveyed from under the southern Lunch Shelter attached to the east side of the Cafeteria and VOCs and CO were not detected, while PM_{2.5} was detected at 13.8 µg and PM₁₀ was detected at 27.6 µg. Indoor air concentrations of PM_{2.5} and

PM10 do not exceed ambient outdoor air conditions.

Copies of the field notes and photographs taken during the air quality survey are included with this memorandum as an attachment.

Based on a review of the air quality screening results, no observable residual impacts to indoor air quality were identified at the Site and no further action is warranted at this time.

Should you have any questions or concerns regarding this survey, please contact Lawrence Browne at (213) 241-4263 or at lawrence.browne@lausd.net.

cc: (PDF via email)
Project File

Attachments: Field Notes and Photographs
Brentwood Elementary Science Magnet
740 South Gretna Green Way
Los Angeles, CA 90049

Proj Name	BRENTWOOD SCI MAG	Date	3/31/2025	Page	2/3
	OEHS SURVEY	Arrival Time	0850	Depart	1640

Personnel	BROWN / LOGAN
-----------	---------------

Work Description	VOC / PM READINGS
------------------	-------------------

	Room ID	PID Reading (ppm)	PM Reading (ug)	Observations
	MAIN BUILDING			
0910	LIBRARY	VOC ₃ - 0	PM _{2.5} - 3.2	
		CO - 0	PM ₁₀ - 12.3	
0915	HLTH CTR	VOC ₃ - 0	2.5 - 0.4	MODIFY AIR PURIFIER
		CO - 0	10 - 1.9	OPERATING ON ARRIVAL
	RM B	VOC ₃ - 0	2.5 - 2.8	
	(2nd floor)	CO - 0	10 - 10.0	
	RM 7	VOC ₃ - 0	2.5 - 3.2	
	(SCI LAB)	CO - 0	10 - 9.6	
	RM 4	VOC ₃ - 0	2.5 - 2.9	- CRACKED WINDOW
		CO - 0	10 - 17.8	(2 WCHDS)
	NORTH BUILDING			CLASSROOM DOORS ALL OPEN
0948	RM 15	VOC ₃ - 0	2.5 - 1.3	WINIX AIR PURIFIER
		CO - 0	10 - 4.8	OPERATING ON ARRIVAL
0951	RM 16	VOC ₃ - 0	2.5 - 1.4	AREA RUG AT ROOM
		CO - 0	10 - 50.9	ENTRANCE / WINIX (ON)
0955			10 - 23.2	
	RM 21	VOC ₃ - 0	2.5 - 0.6	WINIX (ON) / DYSON
		CO - 0	10 - 3.2	AIR PURIFIER (ON)
	AA - 1735			
	RM 26	VOC ₃ - 0	2.5 - 1.2	WINIX (OFF)
		CO - 0	10 - 3.5	DOOR TO RM 25 OPEN!
	AA - 889			
	RM 30	VOC ₃ - 0	2.5 - 2.7	WINIX (OFF)
		CO - 0	10 - 9.7	
	KINDERGARTEN BUILDING			
10:25	RM 22	VOC ₃ - 0	2.5 - 0.9	WINIX (ON)
		CO - 0	10 - 2.5	DOOR TO RM 23 CLOSED
	AA - 479			
1040	RM 55	VOC ₃ - 0	2.5 - 0.8	AREA RUG IN ROOM
		CO - 0	10 - 35.2	WINIX (ON)
1043			10 - 10.2	

Work Description 102 / PM READINGS

Room ID	PID Reading	PM Reading	Observations
AA-1156			
Rm 58	VOCs - 0 CO - 0	2.5 - 1.2 10 - 7.4	MEDIAEY (OFF)
AA-291			
Rm 45	VOCs - 0 CO - 0	2.5 - 1.8 10 - 5.2	MEDIAEY (OFF)
CATERPILLAR			
REPRO	VOCs - 0 CO - 0	2.5 - 2.4 10 - 5.3	NO AIR PURIFIER
MRR	VOCs - 0 CO - 0	2.5 - 3.7 10 - 9.3	NO AIR PURIFIER
LUNCH & SHOWER			
AMPHITHEATRE	VOCs - 0 CO - 0	2.5 - 13.8 10 - 27.6	
OUTDOOR			
MAIN BUILDING			
OFFICE	VOCs - 0 CO - 0	2.5 - 2.6 10 - 5.4	MEDIAEY (OFF)

Brentwood Elementary Science Magnet – Air Survey 03/2025



Library Room on arrival.



Health Center with Medify air purifier operating on arrival and during testing.

Brentwood Elementary Science Magnet – Air Survey 03/2025



Room 8 (2nd floor of Main Building) during testing



Room 7 (2nd floor of Main Building) during testing.

Brentwood Elementary Science Magnet – Air Survey 03/2025



Room 4 (2nd floor of Main Building) during testing



Room 15 (North Building) during testing.

Brentwood Elementary Science Magnet – Air Survey 03/2025



Room 16 (North Building) entrance with multiple rugs



Room 16 (North Building) during testing.

Brentwood Elementary Science Magnet – Air Survey 03/2025

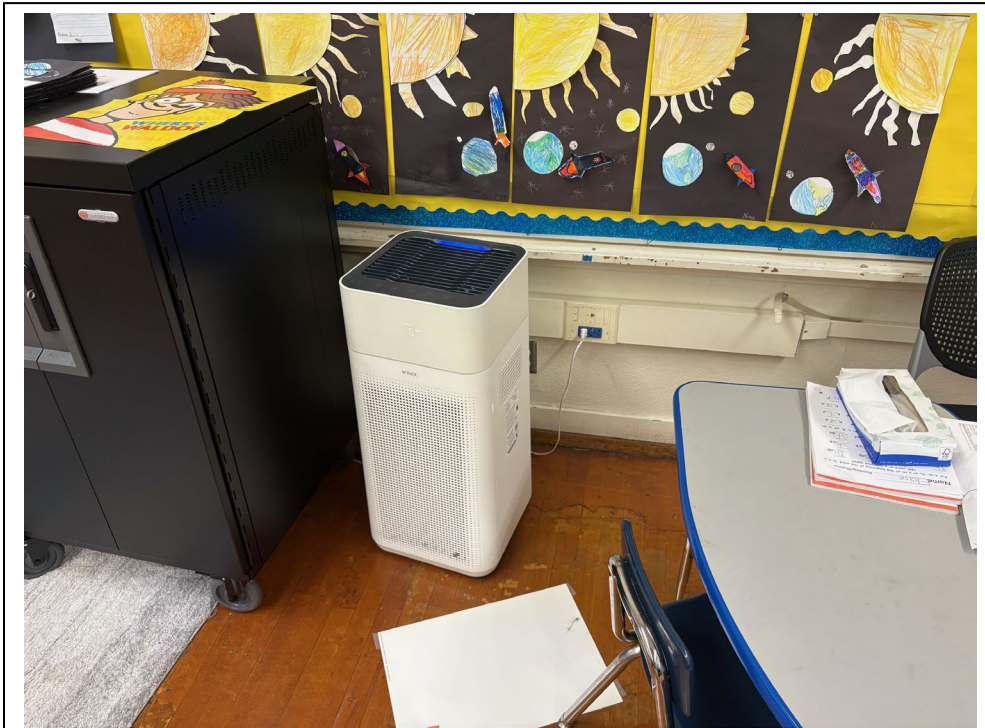


Room 16 (North Building) Winix air purifier operating on arrival/departure.



Room 21 (North Building) during testing.

Brentwood Elementary Science Magnet – Air Survey 03/2025



Room 21 (North Building) Winix air purifier operating on arrival/departure.



Room 21 (North Building) Dyson air purifier operating on arrival/departure.

Brentwood Elementary Science Magnet – Air Survey 03/2025



Room 26 (Bungalow AA-175) during testing. Winix air purifier not operating on arrival/departure.



Room 30 (Bungalow AA-889) during testing. Winix air purifier not operating on arrival/departure.

Brentwood Elementary Science Magnet – Air Survey 03/2025



Room 22 (Kindergarten Building) during testing. Winix air purifier operating on arrival/departure.



Room 55 (Bungalow AA-479) during testing. Winix air purifier operating on arrival/departure.

Brentwood Elementary Science Magnet – Air Survey 03/2025



Room 58 (Bungalow AA-156) during testing. Medify air purifier not operating on arrival/departure.



Room 45 (Bungalow AA-291) during testing. Medify air purifier not operating on arrival/departure.

Brentwood Elementary Science Magnet – Air Survey 03/2025



Reproduction Room during testing. No air purifier located in the room.



MPR during testing. No air purifier located in the room