



DOMINION

August 9, 2025

Mr. Mason Meade
Kyrene Elementary School District No. 28
8700 S Kyrene Road
Tempe, AZ 85284

Re: Limited Indoor Air Quality Investigation
Kyrene de los Cerritos
Kyrene Altadena Middle School

Dominion Project Number: AZ1418.64

Dear Mr. Meade,

Pursuant to your request, Dominion Environmental Consultants. (Dominion) conducted air monitoring at Kyrene de los Cerritos and Kyrene Altadena Middle School on August 9, 2025.

BACKGROUND INFORMATION

According to the information provided, staff and parents had concerns regarding an unusual odor throughout the main building at Kyrene Sierra Elementary (Sierra) as a result of a Roofing project. As a result of the odor, Kyrene Elementary School District decided to relocate the students to classrooms at Kyrene de los Cerritos (Cerritos) and Kyrene Altadena Middle School (Altadena) until the roofing project is complete. Electronics and other classroom materials were removed from Sierra and transported to Cerritos and Altadena. Dominion was requested to conduct real-time air monitoring for total volatile organic compounds (tVOC) in the rooms at Cerritos and Altadena where the materials from Sierra were placed to ensure that the materials did not have a negative impact on the air quality in the rooms at Cerritos and Altadena.

REAL-TIME TOTAL VOLATILE ORGANIC COMPOUND AIR MONITORING TECHNIQUES

Dominion conducted a screening of the building using a Photoionization detector (PID). A ppbRAE 3000 monitor equipped with a 10.6 eV UV lamp was used to screen for total Volatile Organic Compounds (tVOCs) in the building. As organic vapors pass by the lamp, they are photo-ionized and the ejected electrons are detected as a current. This current is then converted into parts per billion (ppb) reading. PID sensor with a standard 10.6 eV lamp is capable of detecting a broad range of organic vapors. However, the PID only provides a level of total VOCs and cannot determine individual chemicals. Furthermore, the PID cannot be used to determine if individuals have been exposed above any published exposure limit or determine if adverse health effects will occur as a result of the exposure.

REAL-TIME TOTAL VOLATILE ORGANIC COMPOUND AIR MONITORING RESULTS

Nine classrooms at Cerritos away from the classrooms that contained materials from Sierra were used as baselines. Dominion then monitored 12 Rooms at Cerritos that contained materials that had been brought from Sierra. The baseline rooms averaged 161 parts per billion (ppb) and the rooms with contents from Sierra averaged 432 ppb.

According to the U.S. Green Building Council, tVOC levels should ideally be below 500 ppb. Based on this data, the average tVOC levels in both sets of classrooms was below the recommended 500 ppb. It should also be noted that district staff were present during Dominion's inspection and were actively cleaning in the rooms that will house the Sierra students. The cleaning products being used were primarily Lysol spray and wipes, both of which contain compounds that will increase the tVOC levels in the air. For example, monitoring directly at the can of Lysol produced a reading of 160,000 ppb. This would explain the higher than baseline readings in the rooms containing Sierra materials.

Nine (9) classrooms at Altadena were used for baseline readings. Dominion then monitored nine (9) Rooms that contained materials that had been brought from Sierra. The average tVOC level for the baseline rooms was 389 ppb and the rooms with contents from Sierra averaged 390 ppb. Again, there were some rooms where active cleaning was occurring. These rooms had readings higher than the overall average due to the tVOCs that were released from the cleaners.

CONCLUSIONS

Based on the tVOC readings taken at both Cerritos and Altadena the average tVOC levels were below the recommended 500 ppb. Rooms that had slightly elevated levels of tVOCs were correlated with the use of cleaning/disinfection products in the rooms. Furthermore, there were no odors observed that would have been associated with the odors from the roofing products used at Sierra.

Based on the findings presented above, it is Dominion's opinion that the air quality at Cerritos and Altadena is acceptable for student and staff occupancy.

LIMITATIONS

The conclusions and results contained herein are based solely on the information presented in this report. Dominion did not oversee any work performed by a Contractor or provide detailed remediation protocols. The Contractor is responsible for his own work and compliance with all regulatory guidelines. The limited sampling, testing, and observations described in the report represent conditions only at specified times and locations. Additional information or contamination which was hidden, undiscovered, inaccessible, or is not a part of the finding presented herein, would result in the modification of the conclusions and recommendations made herein. The limited sampling methods, techniques, and scope of services were not comprehensive or to be considered all inclusive. Any remediation guidelines are minimum general guidelines, based solely on the findings presented herein. They are presented as a courtesy and are not to be considered a complete or detailed set of specifications. If the Contractor requires a detailed or specific guideline or specification, the Client should engage the Consultant to prepare the appropriate document. Dominion performed its investigation in a specific area, as directed by the client.

Dominion's scope of service for this report did not include the inspection for, or identification of, asbestos materials, lead paint, or any other hazardous or controlled substances not specifically identified herein.

Dominion is not responsible for the accuracy of information, or any services provided by others, or for conditions or consequences arising from relevant facts that were withheld, concealed, undiscovered, or not fully disclosed. Dominion is not a law firm and therefore makes no representations regarding any potential liability of any person or entity for site conditions. Further, Dominion is not qualified to present medical advice. If any present or future health issues are in question, it is recommended that the findings in this report be presented to a qualified medical professional for evaluation.

If you should have any questions, need further sampling, or would like to discuss the contents of this report, please do not hesitate to contact Dominion at any time.

Sincerely,

Dominion Environmental Consultants,

A handwritten signature in black ink, appearing to read "Ryan Kuhn". The signature is fluid and cursive, with the first name "Ryan" and last name "Kuhn" clearly distinguishable.

Ryan Kuhn, Ph.D., CIH
Vice President