



Community Air Monitoring Summary September 6-11, 2024 | Akron, Ohio

On September 6, 2024, CTEH personnel initiated air monitoring in response to a fire at the Koki Laboratories building located in Akron, Ohio. CTEH personnel conducted air monitoring in community areas, both residential and commercial, surrounding the affected building and near an adjacent creek. This report summarizes air monitoring data collected by CTEH personnel in the community from September 6, 2024 at 8:17 AM Eastern Daylight Time (EDT) to September 11, 2024 at approximately 6:00 AM EDT.

Real-time air monitoring refers to the use of direct-reading instruments to provide a near-instantaneous readout of a chemical concentration in air. Air monitoring within community areas was conducted for a variety of substances, including substances potentially present at the affected building and substances commonly produced in fire events.

The results of community air monitoring are summarized in **Table 1**.

Table 1. Summary of Community Air Monitoring Results[†]

Analyte	Number of Readings	Number of Detections
CO	152	0
Hydrocarbons (lower class)	44	0
Methanol	367	0
Xylene	368	0
%LEL	366	0
O ₂	359	359
PM _{2.5}	71	71
VOCs	376	1

[†] Note: This is a preliminary data summary, indicating that the data provided have not undergone the full quality assurance and quality control (QA/QC) process and should be considered preliminary at this time.

There were no detections of carbon monoxide (CO), hydrocarbons (lower class), methanol, xylene, and atmospheric flammability (%LEL). There was a single detection of volatile organic compounds (VOCs) just north of the affected building in an area where no members of the public were present. All oxygen measurements were within the normal range for breathing air. There were 71 detections of particulate matter (PM_{2.5}), the majority of which did not exceed health-protective guidelines established by the US Environmental Protection Agency (US EPA). Elevated fine particulate matter (PM_{2.5}) concentrations were temporarily observed in the immediate vicinity of the affected building during short-term flare up events. A map illustrating the locations of community air monitoring is attached.





Handheld Community Air Monitoring Locations

Koki Laboratories Fire

