



February 20, 2025

Thomas Scott
Chief of Police
Jenkintown Borough Police Department

Re: Air Monitoring at Jenkintown Middle/High School on 2/20/2025

Chief Scott,

On 2/20/2025, CTEH responded to a request to perform air monitoring inside Jenkintown Middle/High School ahead of students returning to school following the fire at the SPS Technologies facility. This letter summarizes air monitoring conducted on the evening of 2/20/2025.

Handheld real-time air monitoring was conducted using RAE® Systems by Honeywell MultiRAE Pro and AreaRAE instruments equipped with 10.6 eV photoionization detectors and multiple electrochemical sensors. These include volatile organic compounds (VOCs), hydrogen cyanide, hydrogen sulfide, chlorine, carbon monoxide and flammability. Additionally, a Gastec GV-100 piston pump with colorimetric detector tubes was utilized to monitor for nitric acid and a ChemLogic CLPx Portable Gas Detector was utilized to monitor for sulfuric acid. These analytes were chosen based on previous coordination with representatives from USEPA and PA DEP for this incident based upon the Tier II documentation for the SPS Technologies Facility. The detection limits for this equipment are summarized in **Table 1**.

Table 1: Handheld Real-Time Air Monitoring Results

Analyte	Instrument	Instrument Detection Limit*	Number of Detections
VOCs	MultiRAE	< 0.1	0
Hydrogen Cyanide	AreaRAE	< 0.5	0
Hydrogen Sulfide	MultiRAE	< 0.1	0
Chlorine	AreaRAE	< 0.1	0
Carbon Monoxide	MultiRAE	< 1.0	0
Flammability	MultiRAE	< 1%	0
Nitric Acid	Gastec GV-100	< 0.05	0
Sulfuric Acid	CLPx	< 0.0233	0

*All instrument detection limits are given in units of parts per million (ppm)

Air monitoring was conducted throughout both the middle school and high school. This included monitoring throughout school hallways, classrooms, gymnasiums, restrooms, the auditorium, the media center/library, the cafeteria, the community room, and the administration/security office.

There were no detections of any analyte evaluated during air monitoring inside the school. Additionally, there were no detections of any analyte observed on air monitoring equipment that is stationed on the gate outside in front of the school at the time of the indoor monitoring assessment.

Thank you very much,



Dr. Scott Malm, PhD, CIH
Project Toxicologist
CTEH, LLC