Langan conducted air monitoring during above-ground building demolition and subsurface drilling between 8:00 am and 4:30 pm during the work week of January 23, 2017. Demolition was conducted between January 23 and January 27, and soil borings were advanced with a Geoprobe direct-push drilling unit along the Greene Street Walkway on January 23 and January 25. Heavy rain precluded air monitoring on January 24. Tripod-mounted enclosures containing DustTrak™ II Model 8530 dust monitors were placed at upwind and downwind locations near the boundary of the work area within the perimeter construction fence. The station locations were based on wind conditions observed at the start of the work day. The dust monitors collected continuous ambient particulate (PM10 range) readings, which were uploaded to a data cloud using a telemetry system and made accessible via internet.

The dust monitors were calibrated to issue an alarm via text message and e-mail to Langan personnel if the particulate concentration exceeded 100 micrograms per cubic meter (µg/m³). The 15-minute TWA dust action level specified in the NYSDEC Generic CAMP is 150 µg/m³ above the background concentration measured prior to the start of work each day. The alarm threshold was set at a concentration below the action level as a conservative measure to allow time for evaluation of site conditions and corrective action, if necessary.

During the two days on which soil borings were advanced, total volatile organic compounds (VOCs) were measured continuously with MiniRae 3000 Photoionization Detectors (PIDs). The PIDs collected continuous VOC readings, which were manually downloaded at the end of each day by Langan field personnel. The PIDs were calibrated to sound an alarm if total VOC levels exceeded 5 parts per million (ppm). The minimum 15-minute time-weighted average (TWA) VOC action level specified in the NYSDEC Generic CAMP is 5 ppm above the background concentration measured prior to the start of work each day.

Dust and VOC concentrations did not exceed the respective action levels during the monitoring period.