

Residential Methamphetamine Contamination Sampling

By: Michael B. Collins, CIH, CIEC

GLE Associates Inc. was contracted by an insurance company to perform a Post-Remediation Assessment following clean up activities at an identified Methamphetamine Laboratory utilizing the Red Iodine method within a residential structure located in Florida.

During interior site activities, on-site personnel utilized full-face negative pressure air purifying respirators equipped with combination High Efficiency Particulate Air (HEPA) and Organic filters. Additionally, on-site personnel wore full body Tyvek body suits, nitrile gloves, and foot coverings.

The project site consisted of the assessment of a residential structures associated with a Methamphetamine Laboratory. A visual assessment for damage associated with the production of Methamphetamine in accessible interior areas of the residence was performed by GLE. VOC screening was conducted utilizing a MiniRAE 2000, Photo Ionization Detector (PID). Carbon monoxide (CO), oxygen, hydrogen sulfide, and lower explosive limit (LEL) measurements were obtained with a portable/hand held Honeywell MicroMaxPro, Model MPro-4ABCD Digital multi-gas monitor.



Areas that were reportedly involved directly with methamphetamine manufacturing activities were sampled after cleanup. Because every methamphetamine-manufacturing site is unique, a site-specific sampling plan was developed by GLE for this site.

The EPA recommends that when conducting sampling for methamphetamine contamination, to follow an authoritative sampling approach that targets areas suspected to have the highest levels of contamination. For this project, GLE sampled the worst-case scenario locations at the site. By sampling at locations that are highly suggestive of contamination (e.g., cook sites, spill sites), this approach helps identify the maximum levels of contamination expected to be present at the site.



Wipe samples were obtained in general accordance with the EPA recommended wipe sampling collection technique and quality assurance/quality control (QA/QC) guidelines to assess the presence Methamphetamine, Amphetamine, Ephedrine, and 3,4-Methylenedioxymethamphetamine (MDMA - ecstasy).



What should I do if I think I have possible contamination?

For more information please contact BJ Ryan, GLE Associates, Inc. at 813-241-8350.