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Air Toxics

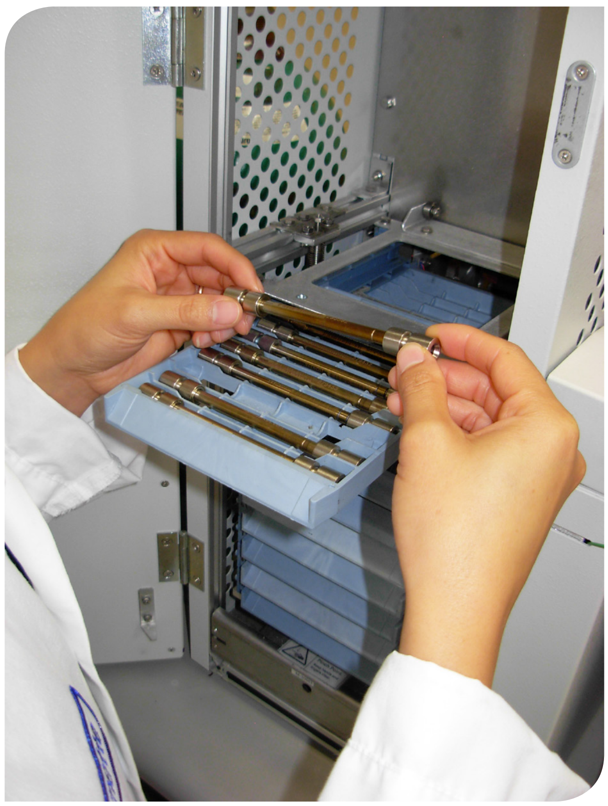
Fenceline Monitoring using Passive Sorbent Tubes by EPA Method 325

As part of the Petroleum Refinery Sector Risk and Technology Review, EPA issued new rules in 40 CFR requiring petroleum refineries to monitor fenceline concentrations of benzene. Measurements are conducted over a 14-day period using passive sorbent samplers collected following EPA 325A and analyzed by EPA 325B.

Why Choose Eurofins Air Toxics?

Eurofins Air Toxics, Inc. is uniquely qualified to provide sampling media and analyze sorbent tubes using thermal desorption (TD) gas chromatography/mass spectrometry (GC/MS) following EPA 325A and B requirements. Partnering with Eurofins Air Toxics provides you with:

- Industry-leading expertise on passive sorbent methods including EPA 325
- Unmatched thermal desorption GC/MS capacity
- Reliable quality systems and NELAP-accreditation for EPA 325
- Convenient sampling kits for easy field deployment



Experience

Eurofins Air Toxics has been analyzing sorbent samples by TD GC/MS for more than 20 years and evaluating passive sorbent solutions for ambient monitoring since 2008. Eurofins Air Toxics participated in the EPA's evaluation of Method 325 initiated in 2012 and supported the EPA 325 fenceline monitoring pilot study conducted by American Petroleum Institute (API) in 2013-2014. As a full-service air specialty laboratory experienced in a range of measurement techniques, we can also provide analytical tools to identify on-site and off-site benzene sources and assist with root cause analysis when action levels are exceeded.

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Capacity

Eurofins Air Toxics owns and operates the largest number of TD-GC/MS units of any single environmental laboratory facility in the U.S. This capacity allows us to effectively support multiple on-going monitoring programs and consistently deliver reports on-time. We continue to investment in instrumentation to support the market demand.

Quality

Eurofins Air Toxics is NELAP-accredited for Benzene by EPA 325B. Our commitment to quality and continuous improvement is central to our organization and laboratory operations. To date, we have participated in 2 rounds of Proficiency Testing (PT) samples submitted as part of the API study. For the 5 PT samples submitted, the laboratory's average recovery was 108% with a precision of 4.9%RSD.

Sampling Kits

Eurofins Air Toxics has developed a media inventory and management program to meet method requirements and provide the field technicians with convenient, simple-to-use sampling kits in order to streamline sampling and minimize errors. The sampling kit consists of a rugged shipping case with custom foam inserts to organize the individual sorbent tubes packed in storage vials and other sampling equipment such as extra diffusive caps and disposable nitrile gloves.

www.EurofinsUS.com/AirToxics

Eurofins Air Toxics
180 Blue Ravine Road, Suite B
Folsom, CA 95630
800-985-5955

Heidi Hayes
Technical Director
HeidiHayes@eurofinsUS.com
916-605-3341

Carl W. Skelley
National Air Product Manager
CarlSkelley@eurofinsUS.com
512-937-0519