



CH2MHILL

Applied Sciences Laboratory

Vapor Intrusion Sampling and Analysis Services



CH2M HILL's Applied Sciences Laboratory is the one stop-shop for all your vapor intrusion pathway sampling and testing needs.

Subsurface vapor intrusion of volatile organic chemicals (VOCs) from soil or groundwater into indoor air has become a recognized problem. Increased regulatory and public focus on this issue has led public and private clients to seek integrated solutions to potential vapor intrusion pathways at their facilities.

CH2M HILL's Applied Sciences Laboratory (ASL) is a NELAC accredited laboratory with over 30 years of experience in environmental sampling and analytical testing. ASL has a long track record of providing quality and timely service. Our analytical and sampling capabilities include all facets of the vapor intrusion pathway. These services include: indoor and outdoor air testing; sub-slab and soil gas testing; and water and soil testing.

Trace VOC in Air Analytical Capabilities

Some of the new EPA 10-6 risk criteria limits present an analytical challenge to many laboratories. ASL has developed methodology and procedures to achieve method detection limits well below this guidance using cutting edge analytical techniques as well as "ultra-clean" techniques and practices. Samples are analyzed by devoted trace level GC/MS systems. ASL's sample canisters and flow controllers are each individually certified below the 10-6 risk levels and are dedicated to low level VOC samples. All quality control and standard operating procedures fall within recognized EPA guidelines.

Sampling Expertise

ASL's staff has the experience and know-how to help guide your sampling team in proper "ultra-clean" sampling techniques and can supply all the necessary equipment to help you do so. Whether you need us to perform the sampling, train your sampling crew, or just provide the sampling equipment, ASL is ready to help.

Analytical Services

Our laboratory is fully equipped to handle EPA Compendium Methods TO-14A and TO-15 by gas chromatography with a mass selective detector (GC/MS) for VOCs. We have developed methods to analyze samples by both selective ion monitoring (SIM) and scan depending on the reporting limits required.

Data Delivery

One of the often overlooked aspects of analytical work is the manner in which data is reported. The data does little good, unless it is delivered in a form complementary to the project needs. ASL's data management team is extremely flexible and capable of producing data in whatever format is required for both hardcopy and electronic data deliverables (EDD). We make every effort to get the details up front so you can be assured that the final product is what you expected. ASL has produced custom formats for many clients including EPA, COE and DOD.

Contacts

For more information on this and other services CH2M HILL's ASL can provide, please contact:

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