

# MOBILAB™ FOR VOCs & 1,4-Dioxane

## Onsite Labs Are Not Just for Screening

Cascade Technical Services provides fully defensible, high-quality analytical chemistry data onsite, offering the subsurface investigation and remediation community a timely and cost-effective product.

Our onsite labs are accredited by the National Environmental Laboratory Accreditation Program (NELAP) and DoD's Environmental Laboratory Program (ELAP) and offer the following:

- Rapid turnaround times
- Support for Triad investigations, reducing costs for multiple mobilizations
- Cost savings as compared to fixed lab rush programs
- High sample throughput
- Project-appropriate analytical programs

## Benefits of Onsite Labs

- Dedicated lab service – your samples are our only priority
- Unimpeded/streamlined sampling
- Increased QA/QC samples
- Ability to resolve equipment contamination issues quickly
- More time to collect samples and less time packing and shipping coolers
- Surety that samples will not be lost/broken by courier, because courier is not needed



*Solid phase micro-extraction with gas chromatography/mass spectrometry (GC/MS) provides fast, accurate, and certified results.*

**MobiLab™**  
DEFENSIBLE REAL-  
TIME ANALYTICS

## Defensible, Accurate and Certified Data

Cascade Technical Services' onsite laboratories are certified for volatile organic compounds (VOCs) and 1,4-dioxane in water and soil matrices. Our QA/QC program adheres strictly to EPA SW-846 800 Series guidelines, ensuring results that are as accurate, precise, and defensible as those of fixed labs.



## Rapid Turnarounds and Results

Innovative techniques such as Solid Phase Microextraction (SPME) allow us to provide an unmatched combination of quality, speed, and economy to our clients.

SPME is a simple sample concentration technique for air, water, and soil matrices. Using the SPME technique, the lab is capable of analyzing for VOCs and 1,4-dioxane (down to single digit ppb levels) in a single analytical run. This capability is not available using conventional analytical techniques.

Using our SPME-GCMS, a full analytical sequence (including sample login, extraction, analyses and reporting) for 40 compounds takes only 20 minutes. The SPME can also easily be configured to handle high-priority samples when results are needed within minutes.

As a result, we can provide a large quantity of analytical data within one day, through the use of innovative analytical procedures, autosamplers, and sound project planning. Results are typically provided 3 times daily while onsite.

## Cost Savings

Our labs are normally charged at a day rate as opposed to a per sample price. Compared to 24-hour rushed analyses by a fixed lab, our onsite lab becomes increasingly more cost effective above 20 environmental samples per day. Using streamlined programs, Cascade can analyze up to 50 samples/day, resulting in significant savings to the client.



*Our mobile units will set up at your facility to generate, manage, and present fully defensible data.*

## Project-Appropriate Analytical Programs

Cascade strives to plan each project individually, unlike fixed laboratory programs that are designed to accommodate samples from a variety of sites with a wide range of data quality objectives. We identify a project's quality objectives early to maximize the efficiency of the analytical program.

We customize our analytical programs individually to provide a more cost-effective project. Although we can manage analytical programs involving sixty target analytes and significant reporting requirements, a more streamlined project-specific analytical program allows the analyst to focus on managing data and disseminating these data to the project team, saving time and money.