

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.