

Onsite Labs Are Not Just for Screening

Cascade Technical Services generates, manages, and presents fully defensible analytical chemistry data onsite, offering the subsurface investigation and remediation community a timely and extremely reliable product.

Our onsite labs are accredited by National Environmental Laboratory Accreditation Conference (NELAC) and offer the following:

- High-quality, defensible data
- Rapid turnaround times
- Cost savings as compared to fixed lab programs
- High sample throughput
- Project appropriate analytical programs

Benefits of Onsite Labs

- Increased QA/QC samples
- Resolve equipment contamination issues quickly
- Samplers spend more time sampling and less time packing coolers
- Samples cannot get lost/broken by courier, because courier is not needed

MobiLab™
DEFENSIBLE REAL-TIME
ANALYTICS



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

Defensible, Accurate and Certified Data

Cascade Technical Services' onsite laboratories operate under the laboratory standards developed by the National Environmental Laboratory Accreditation Program (NELAP) and are certified for volatile organic compounds (VOCs) 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.

Twenty-Minute Turnarounds

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 an extremely simple sample concentration technique for air, water, and soil matrices.

SPME is performed using fast, inexpensive, and easy-to-use equipment that is designed for field applications.

A full analytical sequence (including sample login, extraction, analyses and reporting) for a list of 40 compounds takes only 20 minutes.

Cost Savings

We are able to generate a large quantity of analytical data all within one day through the use of innovative analytical procedures, autosamplers, and sound project planning. Our SPME autosampler, is capable of analyzing one sample every 12 minutes and can be easily configured to handle high-priority samples when rapid results are needed.

Our labs are normally charged at a day rate as opposed to a per sample price. Compared to a program in which a fixed lab is used for 24-hr rushed analyses, our onsite lab becomes efficient when the sampling team generates more than 17 groundwater samples per day. Significant savings can be realized if more than 17 samples are being collected daily.



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

Project-Appropriate Analytical Programs

Unlike fixed laboratory programs that are designed to accommodate samples from a variety of sites with a wide range of data quality objectives, we strive to set up our needs of the project at hand. Starting early in the project planning phase, we identify a project's quality objectives in order to maximize the efficiency of the analytical program.

Our labs are fully equipped to provide analytical services equivalent to that of a fixed lab; we can, however, customize our analytical program for individual projects in order to provide a more cost-effective program. Instead of managing a heavily burdened analytical program involving sixty target analytes and significant reporting requirements, a more streamlined analytical program allows the analyst to focus on managing data and disseminating these data to the project team.