



# CH2MHILL

## Applied Sciences Laboratory

### Consulting Chemistry Services

In addition to traditional laboratory services, CH2M HILL Applied Sciences Laboratory provides consulting chemistry services in support of engineering projects and directly for clients at their own facilities. ASL is a leader in applying current technology and using innovative solutions to solve our clients' most challenging situations.

#### Summary of Services

- On-site Field Laboratories. ASL staff have designed and mobilized field laboratories in some of the most remote locations possible. From an on-site laboratory at a steel mill to a tent-housed laboratory in the tundra of Alaska, ASL chemists provide the highest quality data in the shortest turn around time possible for projects. In many cases, the use of a field laboratory actually saves the project money by reducing the overall sampling level of effort.
- Laboratory Development and Management. Senior ASL chemists have designed, planned, constructed, and staffed laboratories for our clients. From procuring equipment, developing methods, documenting procedures, and providing 24/7 staffing coverage, ASL can provide all aspects of laboratory development and management at the client's own facility.
- Industrial chemical process characterization. Chemists work at the client facility to characterize chemical contents or byproducts from manufacturing processes, identify product or process contaminants, or provide product support.
- Laboratory Audits/Quality Assurance Program Development. Senior chemists provide independent laboratory audit services or assist in developing quality assurance manuals, standard operating procedures, and training programs for a variety of industrial and municipal clients. Clients benefit from the extensive experience ASL chemists have in working with regulatory agencies and other client laboratories in the same industry.



- Data Management Systems and Turnkey Continuous Emissions Monitoring Systems (CEMS). ASL provides a broad array of data management services. From developing barcode or RFID data entry systems to designing and fabricating chemical monitoring systems, ASL can devise a solution using the most current technology. Data management solutions can incorporate existing electronic data sources or design solutions to capture data into a central data repository.
- Air Compliance Testing and Source Characterization Services. ASL chemists perform routine and custom emissions tests using standard EPA methodologies or custom developed methods to measure and characterize facility emissions or point-source emissions from industrial tools or processes.

## Contacts

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

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### General Customer Service Questions

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