

EMSL Analytical, Inc.

Company:

EMSL Analytical, Inc.
Westmont, New Jersey
www.emsl.com



Business Strategy:

As the world's largest laboratory devoted to the analysis of asbestos by electron microscopy, EMSL Analytical, Inc. has developed a strict quality control program in accordance with accepted procedures to assure professional certification and to guarantee accurate, reliable results to their clients.

Company Profile:

EMSL Analytical, Inc., established in 1981, provides a full range of analytical testing services. EMSL is a well-known leader in environmental testing and the world's largest laboratory devoted to the analysis of asbestos. EMSL also provides analysis services for indoor air quality, chemical, and industrial hygiene laboratories. EMSL became a pioneer in asbestos analysis, refining sample preparations techniques and laboratory practices. In 1984, in an effort to reduce the turnaround on TEM air samples, EMSL introduced the 24-hour turnaround time. Two years later, same-day turnaround time was introduced followed by six-hour turnaround time in 1987. Due to innovations like these, EMSL is one of the top twenty environmental testing laboratories in the nation.

Sample Master[®] Pro at EMSL Analytical, Inc.:

EMSL's facility in Westmont, New Jersey needed a data management system to ensure that their laboratory met the highest standards of quality and could deliver reliable, consistent results for their customers. EMSL's major goal for a LIMS implementation was to eliminate the islands of data that abounded from their twenty laboratories across the United States. Other goals included quality control, consistency in billing and reporting.

EMSL selected Sample Master[®] Pro LIMS, the Enterprise Edition from Accelerated Technology Laboratories, Inc. to meet their data management needs. Sample Master[®] Pro allowed EMSL to implement a consistent system in laboratory settings with very different requirements. EMSL's major goal has been successfully achieved with the help of Sample Master[®] Pro. Multiple laboratories are supported under one roof, each with its own unique numbering scheme for order numbers, QC batches and invoices. Price updates, customer information, tests, methods and QC parameters are disseminated automatically to each laboratory, ensuring accurate, timely, and consistent invoices and reports. Invoice data is similarly collected and transferred electronically to the company's accounting systems. The customer service group can look up information and reproduce Sample Master[®] Pro reports generated in any of EMSL's laboratories. As the world's largest laboratory devoted to the analysis of asbestos by electron microscopy, EMSL has developed a strict quality control program in accordance with accepted procedures to assure professional certification and to guarantee accurate, reliable results to their clients. The customizability of Sample Master[®] Pro allowed EMSL to adapt the application to fit the unique requirements of the asbestos-testing, chemistry and indoor air quality business and manage a vast array of other samples including fungi (mold & yeast), indoor air quality, lead, metals, silica, volatiles, total petroleum hydrocarbons, hazardous waste and other environmental pollutants.

EMSL chose Sample Master[®] Pro for many reasons. The architecture of Sample Master[®] Pro will allow EMSL the ability to upgrade their system as new versions are released. Sample Master[®] Pro's scalability also allows EMSL to cost-effectively implement the appropriate solution in any size laboratory. Most importantly, EMSL can operate as one laboratory with twenty locations rather than individual entities.

“Unlike many LIMS products, which are merely ported to SQL Server or Oracle using ODBC, Sample Master[®] is designed to take full advantage of the capabilities of a database server.”

**Doug Cowperthwaite, LIMS Administrator
EMSL Analytical, Inc.**