



Just the Facts

80-007-0197

Directorate of Laboratory Sciences Mobile Laboratory



WHAT is a mobile laboratory? A laboratory that possesses the capability of moving or being moved is considered a mobile laboratory. The 24' x 8' self-propelled vehicle is outfitted inside as a laboratory facility with lab benches, analytical gases, high purity water, a fume hood, and an electricity generator. It can be equipped with instrumentation and laboratory apparatus to perform sample preparation and analysis on a wide variety of environmental and occupational health samples.

WHO can use the mobile laboratory? Primary use of the mobile laboratory is in support of USACHPPM program projects. However, the Directorate can provide direct support to any DOD customer on request. Requests for support should be coordinated through the Laboratory Sciences Consultant's Office, [Commercial: (410) 671-2208; DSN: 584-2208].

WHERE can it travel? The mobile laboratory can be driven anywhere within the continental United States (CONUS) and can operate with or without external electrical power. It was designed to fit in a C5A military air transport and could be loaded onto a cargo ship to travel outside the continental United States. The mobile laboratory has successfully supported USACHPPM projects as far away as McAlister Army Ammunition Plant, OK.

WHEN is it available? The mobile laboratory is available throughout the year. It is available to respond to emergency needs within CONUS and for planned, on-site analytical support.

WHY is it needed? When project objectives require quick or immediate feedback of analytical data, the mobile laboratory is an option. It is possible to provide analytical data to the project officer for most samples within 12 hours of sample collection.

Directorate of Laboratory Sciences
U.S. Army Center for Health Promotion and Preventive Medicine
Aberdeen Proving Ground, MD 21010-5422
Commercial (410) 671-2208, DSN: 584-2208
email: Ken_Williams@CHPPM-ccmail.apgea.army.mil

OBJECTIVES of a mobile laboratory. The mobile laboratory provides a platform that projects DLS's laboratory capabilities into the field of operation to support USACHPPM's health assessment missions. It is also used to train the 520th Theater Army Medical Laboratory soldiers in field sampling and analysis techniques. Readiness through quick response coupled with a home base and on-site analyses provides the following to our customers:

- Quick result turn-around time.
- On-site platform for tests and evaluation.
- Comprehensive on-site data assessment.
- Competitive analytical costs.
- Tailored lab configuration.
- Training area for field support.
- Augments analytical support from reference laboratory.
- Dedicated laboratory science support for projects.