

The laboratory building is designed to provide a safe and pleasant working environment for employees and to ensure constant temperature control for analytical equipment. All laboratory benches and workstations are connected to the central computer server for easy access to database and reporting systems.



LABORATORY EQUIPMENT

The CEL is equipped with state-of-the-art instrumentation for fast and accurate analysis of various environmental samples and other non-routine sample matrices. All major instruments are supported with redundant or back-up instrumentation and/or are supported by service contracts to help ensure that instrument problems will not impact data quality and analytical or reporting time frames. The CEL keeps a strict control of inventory, functionality of instruments, and consumables availability, so that laboratory throughput capacity is never impacted. The CEL's domain includes stand-alone instrument computers, instrument data systems, personal computers (PCs) integrated with a Microsoft NT Server network.

EXPERIENCE AND CAPABILITIES

The CEL has provided quality analytical services for over 5 years in the Middle East.

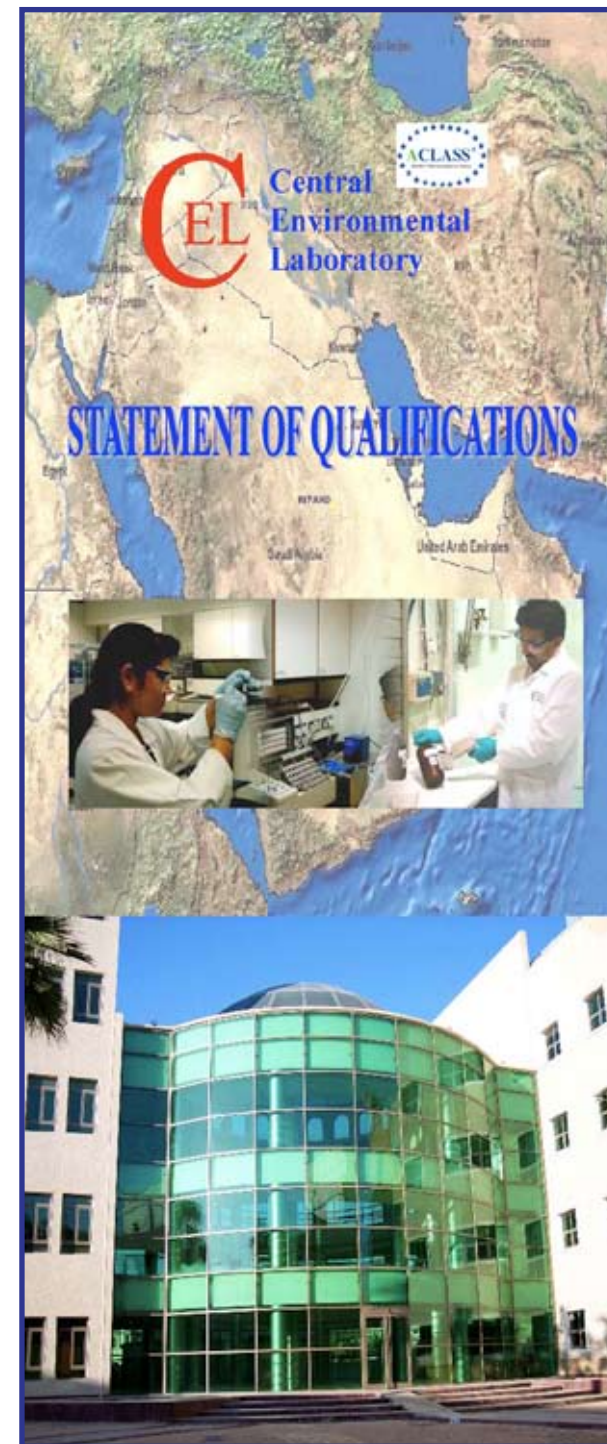
CEL provided critical environmental analytical services for the Kuwaiti claims to the United Nations Compensation Commission (UNCC) by analyzing samples of air, soil, sediment and water for contaminants which could be traced to the Iraqi aggression and its aftermath. As a result of these claims, the State of Kuwait was awarded about \$3 Billion for environmental remediation.

The CEL has performed chemical analyses on 50,000 samples for petroleum contamination, explosives, solvents, metals, nutrients and soil classifications.

CUSTOMER SERVICE

The CEL recognizes that superior customer service is the key to laboratory success in today's competitive analytical services industry. The CEL ensures that analytical reports are delivered in the customer specific format and within the right timeframe. We make sure that the data meet all project-specific quality objectives. The CEL promotes quick response to client inquiries by all staff and through continuous training policy improves constantly their expertise to offer clients the best analytical approach to meet unique regulatory concerns. To facilitate successful customer service, laboratory management assigns a single point of contact—the CEL project manager

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CENTRAL ENVIRONMENTAL LABORATORY

OVERVIEW

The Central Environmental Laboratory (CEL) provides laboratory services to support environmental and hazardous substance site investigation/ remediation projects, industrial quality control (QC), and other related activities. The CEL is a full-scale laboratory that offers its clients:

- Long-term, established service with a history of quality for legally defensible data
- ISO/IEC 17025:2005 Accreditation
- Experienced, qualified staff operating state-of-the-art equipment
- Sample history traceability through the Laboratory Information Management Systems (LIMS)

PROVIDING STATE-OF-THE-ART SERVICES

With over than \$1M in state-of-the-art equipment and a highly educated and experienced staff, the CEL is not just another laboratory. We specialize in complex organic analyses using gas chromatography/mass spectrometry (GC/MS) methods for petroleum hydrocarbons, chlorinated solvents, explosives, and Poly-cyclic-aromatic Hydrocarbons (PAHs). The CEL has a long history of method development projects that range from cost-effective screening techniques to fully validated testing protocol.

This lab can provide field services, as well as on-site laboratory analysis.

With full-service capabilities and ISO accreditation, the CEL is the premier environmental laboratory in the Middle East.

OUR MISSION

1. To provide High-Quality Analytical Data which meet Customer data quality objectives at a competitive rate in a timely manner
2. To give superior customer service backed-up with a highly experienced staff of chemists
3. To understand the various environmental regulatory programs and the complexities of current testing methods and standards



ANALYTICAL CAPABILITIES

The CEL performs analysis of all types in water, air, solid, biological tissue, and other complex organic matrices for chemical contaminants using both standard and customer tailored methods.

Examples of specific tests performed by the CEL include:

- Air filter analyses for metals, nitro-aromatics and PAH's
- GC/MS extended list PAH's by SIM
- Explosives analysis by USEPA Method 8330
- Tissue analysis for metals, TPH and PAH's
- Nutrient analysis on water and soil matrices

All CEL methods are maintained under the laboratory's quality system to produce definitive quality level data and these methods can be activated to meet any client or project-specific needs.

REPORT GENERATION

- Our staff members work directly with the project managers to generate reader friendly reports that meet specific compound lists, reporting levels and QC limits
- These reports are produced in client specific formats (e.g. LCP and ASCII)

FACILITIES AND EQUIPMENT

The CEL laboratories are located within the campus of Kuwait University (KU) and encompass a total area of 800 square meters. The laboratory is divided into functional areas, including administration and offices; general analytical chemistry and metals sample preparation; organic sample preparation; metals analysis; organic analysis of semivolatile and volatile compounds.