

What is WAJ Laboratories?

The Laboratories & Quality Affairs of the Water Authority of Jordan (WAJ Laboratories) is Jordan's leading water quality laboratory.

We offer comprehensive, high quality and cost effective analytical services, including design of the monitoring program, state-of-art water sampling, and water sample analysis with internationally recognized methods, reporting of water quality data, advisory services and interpretation of the analytical results.

We serve both government and private sector, always meeting or exceeding our clients expectations.

We also take pride in making professional contributions through our participation in the development of national analytical standards, water related policies and regulations.



We offer a complete range of analytical methods, including mass spectrometry and gas chromatography. Whatever parameter you are interested in, we can analyze it.

Our highly experienced and trained scientist will work with you to design and implement a successful analytical testing program.

Our projects are designed to meet regulatory standards while being delivered on time and within budget.

Contact



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Water Authority of Jordan Laboratories & Quality Affairs



**Your first choice
For Water Quality
Services**

Areas of Expertise

WAJ Laboratories have been accredited by The United Kingdom Accreditation System (UKAS) for 59 tests since 2005 according to International Standard IEC/ISO 17025:2005. The strategy plan is set up to sustain accreditation and expand the scope of accreditation yearly.

WAJ laboratories can offer high quality analytical services through the adoption of specialized tests for chemical, microbiological and radiological analysis:



List of Specialized Tests

Test	Equipment
Endocrine Disrupters	LC/MS/MS
Organic Compounds	GC/MS
Genetics footprint of bacteria, viruses and parasites	PCR
Automated Bacterial Identification System	Vitek 2 Compact 15 by Biomerieux System
Stable isotopes	Laser Spectroscopy
Radioactive Isotopes	Gamma Spectrometer HPGe and LSC
Uranium, Thorium	ICP/MS

Also Lab can share with National and International recognized scientific institutions in regional and local water quality research projects including and not limited to the determination of pollution sources, origin and age of groundwater.

Analytical Services

Our state-of-art analytical laboratories are fully equipped and prepared to support you with high quality analytical services.

Our team of highly trained scientists collectively has more than 35 years of experience designing and conducting analytical testing programs, it can provide analysis of water and wastewater in the following fields:

Inorganic Compounds: Anions, Cations, Nutrients, Metals.

Organic Compounds in water: Total Organic Carbon, Chlorinated pesticides, Trihalomethanes, Herbicides, Volatile Organic Compounds, Endocrine Disrupter Compounds.

Organic Compounds in Wastewater: COD, BOD, Solids, TN



Microbiological Indicators in Water:

Total coliforms, *E.coli*, Cryptosporidium oocyst & Giardia Cyst, Amoeba, *Cholerae vibrio*, *Shigella spp*, *Salmonella typhi*, *Pseudomonas aeruginosa*, *Clostridium perfringes*, *Fecal Streptococcus* & *Enterococuss*, *Campylobacter jejun*, *Legionella spp.*, Iron & sulfur bacteria, Fungi, Algae types, Chlorophyll – a, Bacteria Identification to Species, Free Living Nematode, pathogenic, *E.coli 157:H7*.

Microbiological Indicators in Waste Water:

Thermotolerant Fecal coliforms, Helminth Eggs Count and Identification.

Stable Isotopes in Water:

O18, H3, C13

Radioactive Isotopes in Water: Gross Alpha, Gross Beta, Radium Isotopes (Ra 226 & Ra228), Radon Gas, Radiocarbon- C14, Tritium, Pb-210

**This list does not include all methods offered. Please visit our homepage for complete list.*

Our partners

We are proud that important and recognized governmental and private institutions and enterprises have us chosen as their business partner.

As a matter of course, the results of all tests are strictly reserved to the client; one of our main principles is confidentiality.

Just a few of our clients

- Water companies; Miyahuna, Yarmouk, Aqaba.
- National and International scientific institutions and universities.
- Industrial Sector
- Health Sector
- Tourism Sector

International cooperation

In order to orientate our analytical excellency on international standards, we cooperate with recognized institutions worldwide, like:

- Federal Institute for Geosciences and Natural Resources (Germany)
- U.S. Agency for International Development (USA)
- Japan International Corporation Agency (JICA)
- International Atomic Energy Agency (IAEA)
- Korea International Corporation Agency (JICA)