



An Intensive 5-Day Online Training Course

Organization of Quality Control for Geological Exploration QA/QC

PROGRAMME SUMMARY

The Organization of Quality Control for Geological Exploration training course covers essential skills such as ability to apply fit-for-purpose testing methods to satisfy specific analysis requirements in this sector. It also introduces the concept of risk management in all operational aspects of a testing laboratory, with the aim to minimise QC failures while at the same time safeguarding the accuracy and integrity of test results.

Date	Venue	Fee(\$)
25 - 29 Sep 2022	Live / Online	US\$ 2,400

INTRODUCTION

This highly participative virtual training course will help participants to cultivate their analytical testing skills in the context of the highly demanding Geological Exploration sector. Obtaining accurate results within predefined time limits is a critical requirement for laboratories operating in this sector. Geological Exploration decisions and scheduling of activities often rely on laboratory results. It is therefore necessary that laboratory personnel are adequately trained and competent to carry out the specific tests required.

This Organization of Quality Control for Geological Exploration QA/QC virtual training course aims at providing you with testing and quality assurance skills necessary to safeguard the quality and integrity of your laboratory results.

Participants attending the Organization of Quality Control for Geological Exploration virtual training course will develop the following competencies:

- Set the foundations for developing a Quality-conscious culture in the laboratory
- Understand the basic principles of sample stability
- Develop and implement an effective Quality Control system in the lab
- Understand the concept of Data Analysis, Quality and Control
- Select the most appropriate test method for a specific parameter
- Develop and monitor the use of Quality Control charts

Classroom
 learning service
 available



TRAINING METHODOLOGY

The Organization of Quality Control for Geological Exploration training course will combine presentations with interactive practical exercises, supported by video materials, and case studies. Delegates will be encouraged to participate actively by relating their laboratory experience to the course contents.

WHO SHOULD ATTEND

- Chemists performing testing activities within laboratories involved in Geological Exploration activities
- Laboratory personnel involved in sample preparation activities
- Internal and External auditors of laboratory operations
- Testing laboratory consultants
- QA officers of organisations involved in baseline studies and Environmental Impact Assessment Studies (EIA)

PROGRAMME OBJECTIVES

This Organization of Quality Control for Geological Exploration training course aims to enable participants to achieve the following objectives:

- Understand the principles of operation of Testing Laboratories
- Become familiar with the concepts of GLP and Laboratory Accreditation
- Apply appropriate method selection and validation for specific parameters
- Understand and apply the concepts of Internal QC and External QA
- Use QC charts to establish method performance and monitoring criteria
- Develop ability to investigate QC failures and apply risk management to decision making

In-house Training

EuroMaTech is capable of conducting this training programme exclusively for your delegates. Please e-mail us on inhouse@euromatech.ae for further information and/or to receive a comprehensive proposal.



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Website:
www.euromatech.com

QUALITY CERTIFICATIONS & ACCREDITATIONS



COURSE OUTLINE



Day 1

Introduction to the operation of a testing laboratory

- Legal status of testing laboratories
- Independent Private vs Public laboratories
- Laboratories operating within an organisation
- Organisational chart of a testing lab
- Job descriptions and responsibilities
- Scope of testing activities and market segment

Day 2

Quality Assurance (QA) in Testing Laboratories

- What is QA? Is it necessary? How is it achieved?
- Personnel training and on-going competence criteria
- Accreditation according to ISO17025 vs GLP (Good Laboratory Practice)
- The requirements of accreditation in relation to QA
- Risk Management in the context of accreditation
- Decision rules/conformity statements relating to Test Results

Day 3

Sample preparation and analysis

- Sampling and sample preparation techniques
- Rules on sample integrity and the sample stability concept
- Sample homogenisation and sample reduction in the lab
- Selection of testing method / the fitness-for-purpose principle
- Test method instrumentation and performance criteria
- Method validation and method verification

Day 4

Quality Control of laboratory analytical work

- Use and selection of calibration standards and blanks
- Internal Quality Control (IQC) and External Quality Assurance (EQA)
- QA techniques: Duplicate analysis, spiking, matrix recovery
- QC charts and trending in relation to Risk Management
- Non-conforming work and Root Cause Analysis
- Internal – External Audits and their role in QA

Day 5

Reporting of results

- Authorization of Test Results
- Uncertainty of Measurement (UoM)
- Test Certificates according to ISO17025 requirements
- Automated report generation through LIMS
- Regulatory Compliance Conformity statements
- Expression of Opinions and Interpretations (O&I's)

Organization of Quality Control for Geological Exploration QA/QC



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All Fees are subject to 5% Value Added Tax (VAT).*

Your Details

Name (Mr/Ms):.....

Position:..... Organisation:.....

Address:.....

.....

City / Country:

Telephone: Email:

Mode Of Payment

Please find enclosed a cheque made payable to EuroMaTech

Please invoice me

Please invoice my company as follows:

Contact Name:

Company Name:

Address:.....

Email:

Documentation

High Quality material has been prepared by the Seminar Leader for distribution to delegates.

Certificates

A Certificate of Completion will be issued to those who attend & successfully complete the programme.

Registration & Payment

Please complete the registration form on this page & return it to us indicating your preferred mode of payment.

For Further Information, email us at info@euromatech.ae.

Cancellation Policy

Request for seminar cancellation must be made in writing & received at EuroMaTech three weeks prior to the seminar date. A U.S.\$250/- processing fee will be charged per delegate for each cancellation. Thereafter, we regret that we are unable to refund any fees due, although in such cases we would be happy to welcome a colleague who would substitute for you.

Disclaimer

EuroMaTech reserves the right to alter the content, location of the Seminar, or the identity of the speakers in case of events beyond our control.

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