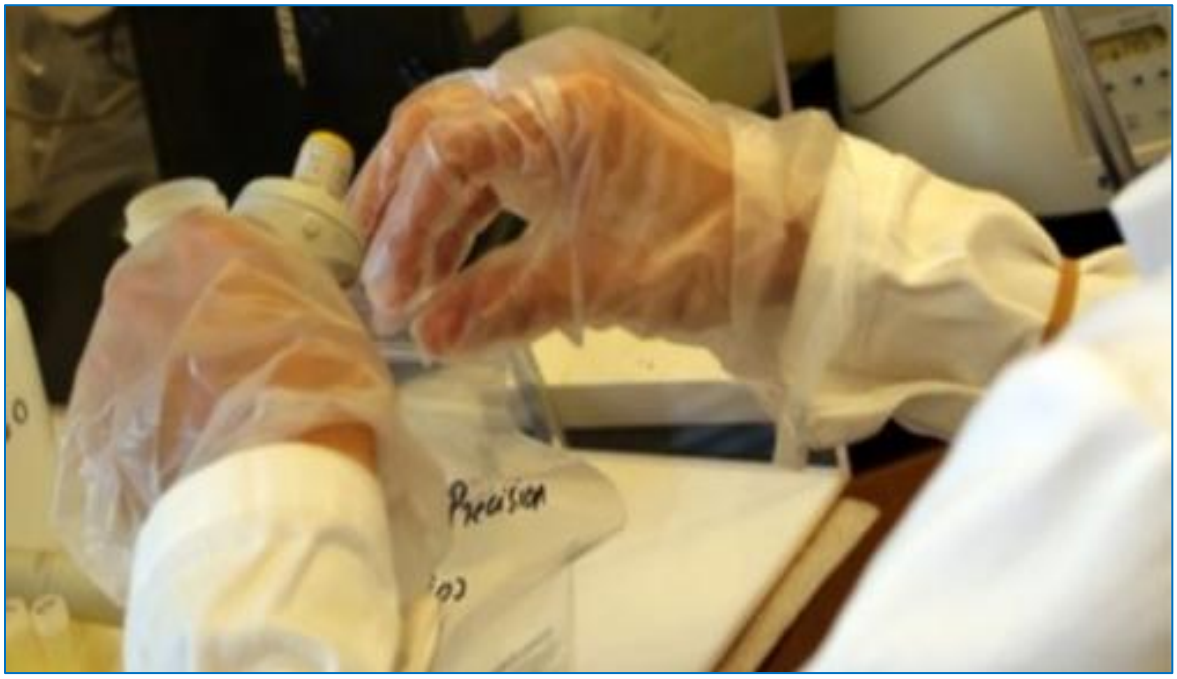
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AL022:
Sampling & Safety in Chemical Laboratory

Training Description:

What does it mean to be a scientist or technician in a laboratory? Why do laboratory staffs ask questions such as what is that substance and why does it react that way?

Since the beginning of time, man has been seen as an inquirer. We are always trying to discover new things, classify everything and to understand the behavior of things. The ability to enquire is one of the most important assets a person in a laboratory can have. You need to be able to act in the role of an inquirer when working in a laboratory environment.

The idea of this course is to introduce working in a laboratory. It is hoped that people become aware of their role and function in a laboratory environment. Whatever the function of the laboratory, it's most important asset is the staff and how those staff perform. This course presents people with the basics to become an integral part of the laboratory and assist the facility to generate data that are of high quality and scientifically reliable.

Training Objectives:

By the end of the training, participants will be able to:

- ✓ Identify the dangerous chemicals and how to minimize the risk associated with teem in case of fire, chemical spill or sudden failure of equipment's
- ✓ To increase the awareness of the occupational health and safety in the laboratory environment, and exercising total professionalism in scientific and management areas
- ✓ How you can tack sample safely
- ✓ Sample Requirement

Training Designed for:

This course is intended for all Laboratory Managers, Analytical Chemists, Medical Scientists, Laboratory Supervisors, Research and Development Scientists, and Quality Assurance/Control Managers.

Training Program:

DAY ONE:

- ❖ Introduction to Occupational Health and Safety Management System
- ❖ Populations and Sampling
  - Why sampling
  - Sampling requirements in ISO 17025
  - Adequacy of sample
  - Representatives of sample
  - Sample size
  - Simple random sample
  - Systematic random sample
  - Transportations, receipt, handling, protection, storage, retention and/or disposal of samples

DAY TWO:

- Sampling Equipment & Options
  - Sample port location
  - Static oil sampling
  - Forced lube sampling

DAY THREE:

- Sample Bottles
  - Sample bottle cleanliness
  - Clean sampling
  - Line flushing requirements

DAY FOUR:

- Safety in Lab
  - Classification of chemicals
  - Chemical laboratory safety
  - General safety requirements
  - Housekeeping
  - Emergency equipment
  - Personnel protective equipment
  - Handling and storage of chemicals

DAY FIVE:

- Safety in Lab (continued)
  - Laboratory glassware
  - Flammable chemicals
  - Waste disposal
  - Compressed gasses
  - Safety planning for laboratory experiment
- Course Conclusion
- POST-ASSESSMENT and EVALUATION

Training Requirement:

"Hand's on practical sessions, equipment and software will be applied during the course if required and as per the client's request."

Contents can be adapted to your specific wishes. It is therefore possible to focus on specific modules of the training course as per client's learning needs and objectives. Further, it should be forwarded to us a month prior to the course dates.

Training Certificate(s):

Internationally recognized certificate(s) will be issued to each participant who completed the course.

Training Methodology:

This interactive training course includes the following training methodologies as a percentage of the total tuition hours:

- 30% Lectures, Concepts, Role Play
- 70% Workshops & Work Presentations, Techniques, Based on Case Studies & Practical Exercises, Gamification, Software & General Discussions
- Pre and Post Test

Training Fees:

TBA as per the course location - This rate includes participant's manual, hand-outs, buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Note: The 5% VAT (Value Added Tax), will be effective starting 01st of January 2018 as per the new regulation from the UAE Government. The VAT applies for all quotation both for local and abroad.

Training Timings:

Daily Timings:

07:45 - 08:00	Morning Coffee / Tea
08:00 - 10:00	First Session
10:00 - 10:20	Recess (Coffee/Tea/Snacks)
10:20 - 12:20	Second Session
12:20 - 13:00	Recess (Prayer Break & Lunch)
13:00 - 14:00	Last Session

For training registrations or in-house enquiries, please contact:
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