

LabTrain

FUNDAMENTALS OF GC

The new, reworked Gas Chromatography (GC) training course is set up for both experienced users, enabling them to “put everything together”; as well as for beginners where this course would definitely give them a head-start. The course is “The use of theoretical practicals, based on GC optimisation software, enhances the understanding of this analytical separation technique and allows for a generic understanding of GC operation, regardless of make”. Advanced sample introduction systems in GC are also discussed.

To date a number of these successful courses have been run. Companies and Institutions who have sent delegates on this course include:

*SAPS Forensic Science laboratories
Dept Health FSL, Johannesburg
Dept of Agriculture, Pretoria
Chevron-Texaco, Angola
Sasol
City Power, Johannesburg
Air Liquide
Engen
J & J Medical
Mintek
Plaaskem
Protechnique*

COURSE CONTENT

- Introduction, applications, history, principles and systems
- Theory of chromatography
- Equipment in GC: Gasses, injectors and detectors
- Sample preparation and techniques
- Column phases and dimensions
- Method development
- Method and systems validation
- Integration checks

- Calibrations and quantitation
- Care and use of columns and equipment
- Troubleshooting
- Advanced techniques
- Sample introduction systems

TRAINING EVALUATION

All delegates are required to complete a questionnaire at the end of course. Certificates are issued on successful completion of the test.

ABOUT THE TRAINER

Daniel Garside has a Master of Science degree from UCT and has had over 30 years of chromatography experience. His specific GC experience has been in developing methods at a pharmaceutical company, Lennon Limited (now Aspen Pharmacare); being responsible for the sale and application support of the Shimadzu GC and GC-MS systems for 6 years; was extensively involved with Tekmar's GC sample introduction systems, such as Purge and Trap, and Headspace, which he held the agency for LabHouse in Southern Africa for over 22 years. He was Microsep's Product Manager for the Tekmar and Hanson product range for 5 years. He has travelled overseas numerous times to Japan, USA, Asia, Middle East and Europe for training on GC and related techniques during his career. At present he is MD of LabTrain, a company specialising in lab related training courses

VENUE: In-house
DATES: Regularly throughout the year
COST: Price available on request
DURATION: 3 days
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