

## 2023 PAC SIMDIS Analyzer Training - Rotterdam

### Dedicated Training to Improve Performance, Knowledge and Skills

#### PAC Training program Rotterdam

The AC Analytical Controls® product line offers a range of high-tech analyzers for petrochemical sample streams, based on Gas Chromatography. Our products are user friendly and easy-to-use, although the technique is complex. To improve your skills, obtain the best results, and completely understand your analyzer, PAC offers a complete program of factory, customized and on-site trainings. These courses are designed to assist operators and lab engineers in their day-to-day operation of PAC systems by providing the optimal mix between theory, practice, and hands-on training. Training improves laboratory productivity and the accuracy of instrument results.

#### SIMDIS Course Description

The 3-days SIMDIS training course is designed for new and experienced users of PAC products; however, a basic knowledge of gas chromatography is required. Class sizes are small, so the course is highly interactive and flexible.

The courses consist of theoretical and practical sessions, including:

- System details, software and hardware application in a practical way
- Interpretation of results and discussion
- Troubleshooting and maintenance
- Calibration of the instrument



#### Detailed Program:

##### Day 1: Introduction & system familiarization

- Inventory of sample streams & occurring problems
- Introduction to Simdis principle, Applicability to the petrochemical industry and Summary of Simdis methods
- Hardware demonstration on PTV / TPI, Detector, Column and Analysis conditions
- AC software Introduction, Installation and Practice
- Preparations for High Temp calibration & sample analysis and creating sequence

### Day 2: Simdis software and different applications

- Calibration of the system, generate AC report, peak skew & resolution, review of automatic retention time updating
- Calculations & interpretation of results by endpoint determination - ASTM algorithm, product setup for various samples and sample types A, B, C
- Special features on user report, cut points, D86 correlation, Noack, MOV, Wax and quenching factor
- Practice Calibration of HT Simdis with recovery calculation, normalization options
- System startup: electrical connections, gas connections, GC & auto sampler configuration, installation of column & liner, installation of septum & syringe and measuring flows
- Preparations for D2887 calibration & sample analysis by installing column and creating sequence

### Day 3: Troubleshooting and practice

- Practice with data files of the HT Simdis samples
- Calibration of D2887 Simdis with recovery calculation and normalization options
- Trouble shooting on error & warning messages, non-incremental boiling point order, blank not subtracted
- Common chromatographic problems e.g., baseline issues, contamination, leaks, electronic/mechanical failure, wrong sample type settings
- Maintenance

### Registration:

To register, please visit our website

### Costs:

This 3-days course has an all-in fee of € 2541, -

***Service Contract Customers will receive a discount of 10%***

### Contact:

For additional information please contact the Rotterdam office at + 31 (10) 2456 248 or send a mail to the AC Response Center ([service.netherlands@pacpl.com](mailto:service.netherlands@pacpl.com) )

### Terms and Conditions:

- Registration is required by completing the online registration form or by e-mail. Further details will be submitted by e-mail.
- Payments need to be settled 100% prior to the start date of the training course.
- Registrations will be considered in the order of receipt. They should arrive at our company at least 6 weeks before the training starts.
- Relinquishment within 14 days before the course starts or in case of non-participation, 100% of the seminar fees will be charged. Of course, a training registration can be transferred to a colleague.
- Classes are limited to 8 participants. Courses with less than 3 registrations are subject to cancellation.
- Training price includes training, training material plus lunch and beverages at the training facility. Cost for travelling, accommodation, and other meals are not included.