

## Liquid chromatograph with diode-array and fluorescence detectors

### Description/Parameters

The liquid chromatography system provided by Shimadzu serves for the separation of individual constituents in the mixture. The constituents are divided between a stationary phase and a mobile phase, after which their subsequent identification and determination of their concentration are possible. The system is consisted of:

- RID 20 A Photodetector – refractive index range 0,01-5 000  $\mu$ RIU
- System control unit CBM 40
- Low-capacity degassing unit DGU403 supplied with a special fluororesin membrane
- LC-40 B XR pump – binary gradient separation up to 70 MPa (700 bar)
- SIL 40 C XR cooled autosampler
- High-capacity column oven

### Utilization/Services

The Shimadzu liquid chromatograph enables the analytical determination of polycondensed aromatic hydrocarbons and the determination of micropollutants in aqueous solutions.

