

Sampling, sample preparation and preservation (fatty acid analysis)

The recommendations for sample processing for corresponding sample matrices to determine the fatty acid composition as well as possible forms of subsequent derivatization for gas chromatographic analysis are manifold. We are currently guided by the book "GAS CHROMATOGRAPHY AND LIPIDS; A Practical Guide; William W. Christie; W.W. Christie and P.J. Barnes & Assoc. (Oily Press)".

The Central Laboratory for Chemical Analysis is currently unable to carry out sample processing (extraction and derivatization) for fatty acid analysis or data evaluation due to staff capacity constraints.

However, we can offer the following service variants:

- a) use of the laboratory equipment to prepare the fatty acid methyl ester samples for Fast GC (only employees of GEOMAR or other public research institutions*).
- b) after an equipment introduction for the Fast GC, the samples are measured by the user himself and the data are then evaluated.

*only with proof of insurance by the research institution on secondment