



UNIVERSITY OF SCIENCE AND TECHNOLOGY

Faculty of Energy Research and Fuels

Department of Coal Chemistry and Environmental Sciences

Dear Editor-In-Chief,

Please find enclosed herewith the manuscript entitled:

“Automatic system for methylmercury determination with HS-Tenax-GC-AFS method”

The main aim of this paper was to facilitate the procedure of MeHg determination in biota samples with HS-Tenax-GC-AFS through its automation. As a result of two years of research, design and construction activities, an automatic system for determination of MeHg was developed.

The developed automatic system does not burden the analyst and allows him to determine MeHg in 8-10 biota samples per day. The system was successfully handled by people with little analytical experience, such as students. The cost of automation of the manual Tenax-GC-AFS system is very low (about \$2.000). Developed automatic system could be applied to many headspace-(trap)-GC method, including the EPA 1630 method.

I hope that this paper will be interesting for you and the Journal of Chromatography readers.

The paper is unpublished and has been checked by native speaker.

Sincerely

Jerzy Górecki

University of Science and Technology | Faculty of Energy and Fuels

al. A. Mickiewicza 30, 30-059 Kraków,
tel. +48 12 617 22 93, fax +48 12 617 23 99

gorecki@agh.edu.pl