



Review

Programmed temperature vaporisers-based large volume injection in capillary gas chromatography

W. Engewald^{a,*}, J. Teske^b, J. Efer^a

^aLeipzig University, Institute of Analytical Chemistry, Linnéstrasse 3, 04103 Leipzig, Germany

^bLeipzig University, Institute of Legal Medicine, Johannisallee 28, 04103 Leipzig, Germany

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Abstract

The introduction of large sample volumes in capillary gas chromatography using programmed temperature vaporisers (PTV) is reviewed. The development of the different strategies as well as the state of the art are described. As the analytes are normally enriched in the insert in large-volume PTV injection, the quoted papers are subdivided depending on whether the enrichment was carried out from organic solvents, from water or from gaseous media. Furthermore, the possibilities of PTVs for online coupling with sample preparation methods or other separation techniques and their use as thermoreactors are mentioned. © 1999 Elsevier Science B.V. All rights reserved.

Keywords: Reviews; Programmed temperature vaporiser; Large-volume injection

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Sample Introduction In Capillary Gas Chromatography Volume 1

Raymond Annino, Richard Villalobos



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