

Problems of sample preparation and identification of toxicants in the objects of the environment

© Alexander K. Smirnov,^{1*} and Tatiana V. Smotrina²⁺

¹ Department of General Chemistry. Mari State University. Lenin Sq., 1. Yoshkar-Ola, 424000.

Mari El Republic. Russia. Phone: +7 (8362) 42-40-31. E-mail: aksmi@yandex.ru.

² Department of Physics. Volga State Technological University. Lenin Sq., 3. Yoshkar-Ola, 424000.

Mari El Republic. Russia. Phone: +7 (8362) 68-68-04. E-mail: tatyana-smotrina@yandex.ru

*Supervising author; ⁺Corresponding author

Keywords: pesticides residual, soil, humidity content, splitting, quantitative analysis.

Abstract

The comprehensive analysis of techniques for identifying the residual concentrations of pesticides in soil and water samples was performed. Optimal conditions of samples splitting and quantifying with the use of gas chromatograph "Crystall 2000M" were selected.