Levels of Polychlorinated Dibenzo-p-Dioxins and Dibenzofurans in Dust and Air from Lublin – Aneta Duda, Jacek Czerwiński

Summary
Polychlorinated dibenzodioxins and dibenzofurans are present in the air either adsorbed on particulate matter or as vapor (minor part). They are most known carcinogens and mutagens. In this study dust samples from Lublin were being collected for 12 months and analyzed for the PCDD/Fs content. For the analysis of these samples classical extraction with Soxhlet apparatus, double step clean-up based on SEC and charge-transfer interactions chromatography, and finally analysis with GC-MS were applied. Results of the determinations were compared with results obtained by other authors.