

Summary

Polychlorinated dibenzodioxins and dibenzofurans (PCDD/Fs) are present in the air either adsorbed on particulate matter or as vapor (minor part). They are known to be effective carcinogenic and mutagenic agents. In this study dust samples from Lublin were collected for twelve months and analyzed for PCDD/Fs content. For the analysis of these samples classical extraction with a Soxhlet apparatus, double step clean-up based on SEC and charge-transfer interactions chromatography, and final analysis with GC-MS were applied.