

FORM FOR SUBMISSION OF ABSTRACTS
(Instructions for preparation on reverse)

Mini-Presentation

Environmental samples are assayed against commercially available standards of various constructions including anodized, electroplated, polymeric membrane, and filter paper. In order to cover a large range of beta energies C-14, Tc-99, Cs-137, and Sr-90 are investigated. Differences in assay results are discussed in terms of beta spectra and average beta energies. Substantial discrepancies are demonstrated when improper standards are used for low energy beta assays.