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| Autore | ROMANO, Luciano <1958- > |
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| ISBN | 1-280-28774-8 9786610287741 0-470-34032-0 0-470-01228-5 0-470-85425-1 |
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| Altri autori (Persone) | MesilaaksoMarkku |
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| Nota di contenuto | CHEMICAL WEAPONS CONVENTION CHEMICALS ANALYSIS Sample Collection, Preparation and Analytical Methods; About the Editor; Contents; List of Contributors; Preface; CHAPTER 1 Introduction; CHAPTER 2 Sampling and Analysis in the Chemical Weapons Convention and the OPCW Mobile Laboratory; CHAPTER 3 On-site Analysis by the Inspection Team. Sampling, Analysis, Equipment, Procedures and Strategies; CHAPTER 4 The OPCW Gas Chromatograph/Mass Spectrometer for On-site Analysis. Instrumentation, AMDIS Software and Preparations for Use; CHAPTER 5 Hazardous Environment Monitoring CHAPTER 6 A Comprehensive Review of the Official OPCW Proficiency Test CHAPTER 7 The OPCW Central Analytical Database; CHAPTER 8 Analysis Strategy for Analysis of Chemicals Related to the Chemical Weapons Convention in an Off-site Laboratory; CHAPTER 9 Sample Preparation for Analysis of Chemicals Related to the Chemical Weapons Convention in an Off-site Laboratory; CHAPTER 10 Gas |

Chromatography in Screening of Chemicals Related to the Chemical Weapons Convention; CHAPTER 11 Gas Chromatography/Mass Spectrometry in Analysis of Chemicals Related to the Chemical Weapons Convention
CHAPTER 12 Liquid Chromatography/Mass Spectrometry in Analysis of Chemicals Related to the Chemical Weapons Convention
CHAPTER 13 Nuclear Magnetic Resonance Spectroscopy in Analysis of Chemicals Related to the Chemical Weapons Convention; CHAPTER 14 Fourier Transform Infrared Spectroscopy in Analysis of Chemicals Related to the Chemical Weapons Convention; CHAPTER 15 Capillary Electrophoresis in Analysis of Chemicals Related to the Chemical Weapons Convention; CHAPTER 16 Methods for the Retrospective Detection of Exposure to Toxic Scheduled Chemicals. Part A: Analysis of Free Metabolites
CHAPTER 17 Methods for Retrospective Detection of Exposure to Toxic Scheduled Chemicals. Part B: Mass Spectrometric and Immunochemical Analysis of Covalent Adducts to Proteins and DNA
Colour Plate; Index

Sommario/riassunto

Describes the procedures for collection of samples, sample preparation, and analysis of CWC-related chemicals. It deals with analytical procedures that can be followed in well-equipped off-site laboratories (designated laboratories), as well as the on-site analytical procedures that the OPCW inspectors use in sample collection and preliminary analysis of the samples in field conditions. A one-of-a-kind, highly topical handbook for every expert in the chemical weapons field. Outlines the methods for analysing chemical weapons both on and off site. Authored by international experts in
