

Chlorinated Solvents A Forensic Evaluation

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Environmental Forensics - Robert D. Morrison
2010-08-04

Environmental forensics is the application of scientific techniques for the purpose of identifying the source and age of a contaminant. Over the past several years, this study has been expanding as a course of study in academia, government and commercial markets. The US

Environmental Protection Agency (EPA), Federal Bureau of Investigation (FBI), and Federal Emergency Management Agency (FEMA) are among the governmental agencies that utilize the study of environmental forensics to ensure national security and to ensure that companies are complying with standards. Even the International Network for Environmental

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Compliance and Enforcement (INECE), a group supported by the European Commission and the World Bank, utilizes the study of environmental forensics as it applies to terror threats. This title is a hands-on guide for environmental scientists, engineers, consultants and industrial scientists to identify the origin and age of a contaminant in the environment and the issues involved in the process. An expansion of the authors' first title with Academic Press, Introduction to Environmental Forensics, this is a state-of-the-art reference for those exploring the scientific techniques available. Up-to-date compendium for referencing forensic techniques unique to particular contaminants. International scientific unit system Contributors from around the world providing international examples and case studies.

EPA Publications Bibliography - 1997

1, 1, 1-Trichloroethane - R. J. Fielder 1984

[Architectural Forensics](#) - Sam Kubba 2008-03-04
Successfully Conduct and Report on Any Architectural Forensic Investigation
Architectural Forensics clearly defines the role, responsibilities, and essential work of forensic architects. This unique resource offers comprehensive coverage of building defects and failures, types of failure mechanisms, and job-critical tasks such as fieldwork, lab testing, formulating opinions, and providing expert testimony. Packed with 300 illustrations, in-depth case studies, and numerous sample documents, this vital reference takes you step-by-step through every phase of conducting investigations...diagnosing building failures... preventing and curing building defects...and reporting on findings. The book also includes strategies for avoiding liability and resolving disputes-potentially saving vast amounts of time and money. Authoritative and up-to-date, Architectural Forensics Features: • Full details on conducting investigations and reporting on

architectural forensics • Clear guidance on preventing and curing building defects and failures • In-depth coverage of field work, photogrammetry, and lab testing • Practical insights into litigation, dispute resolution, and expert testimony • Solid business advice on presentation methods, marketing, and setting up an office and website

Bio-Based Solvents - François Jérôme

2017-06-29

A multidisciplinary overview of bio-derived solvent applications, life cycle analysis, and strategies required for industrial commercialization This book provides the first and only comprehensive review of the state-of-the-science in bio-derived solvents. Drawing on their own pioneering work in the field, as well as an exhaustive survey of the world literature on the subject, the authors cover all the bases—from bio-derived solvent applications to life cycle analysis to strategies for industrial commercialization—for researchers and

professional chemists working across a range of industries. In the increasingly critical area of sustainable chemistry, the search for new and better green solvents has become a top priority. Thanks to their renewability, biodegradability and low toxicity, as well as their potential to promote advantageous organic reactions, green solvents offer the promise of significantly reducing the pernicious effects of chemical processes on human health and the environment. Following an overview of the current solvents markets and the challenges and opportunities presented by bio-derived solvents, a series of dedicated chapters cover all significant classes of solvent arranged by origin and/or chemical structure. Throughout, real-world examples are used to help demonstrate the various advantages, drawbacks, and limitations of each class of solvent. Topics covered include: The commercial potential of various renewably sourced solvents, such as glycerol The various advantages and

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disadvantages of bio-derived versus petroleum-based solvents
Renewably-sourced and waste-derived solvents in the design of eco-efficient processes
Life cycle assessment and predictive methods for bio-based solvents
Industrial and commercial viability of bio-based solvents now and in the years ahead
Potential and limitations of methodologies involving bio-derived solvents
New developments and emerging trends in the field and the shape of things to come
Considering the vast potential for new and better products suggested by recent developments in this exciting field, *Bio-Based Solvents* will be a welcome resource among students and researchers in catalysis, organic synthesis, electrochemistry, and pharmaceuticals, as well as industrial chemists involved in manufacturing processes and formulation, and policy makers.

Attorneys' Textbook of Medicine - Roscoe Nelson Gray 1988

Toxicological Profile for 1,1,1-trichloroethane - 1995

A Guide to Forensic Geology - L.J. Donnelly 2021-08-26

Forensic geology is the application of geology to aid the investigation of crime. *A Guide to Forensic Geology* was written by the International Union of Geological Sciences (IUGS), Initiative on Forensic Geology (IFG), which was established to promote and develop forensic geology around the world. This book presents the first practical guide for forensic geologists in search and geological trace evidence analysis. Guidance is provided on using geological methods during search operations. This developed following international case work experiences and research over the last 25 years for homicide graves, burials associated with serious and organised crime and counter terrorism. With expertise gained in over 300 serious crime investigations, the guidance also

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considers geological trace evidence, including the examination of crime scenes, geological evidence recovery and analysis from exhibits and the reporting of results. The book also considers the judicial system, reporting and requirements for presenting evidence in court. Included are emerging applications of geology to police and law enforcement: illegal and illicit mining, conflict minerals, substitution, adulteration, fraud and fakery.

Proceedings of the International Symposium on the Forensic Aspects of Controlled Substances - 1989

"March 28-April 1, 1988, Forensic Science Research and Training Center, FBI Academy, Quantico, Virginia."--T.p.

Environmental Forensics - Gwen O'Sullivan
2015-07-06

This publication is based on peer-reviewed manuscripts from the 2014 International Network of Environmental Forensics (INEF) Conference held at St John's College,

Cambridge. INEF is an organization founded by environmental forensic scientists for the express purpose of sharing and disseminating environmental forensic information to the international scientific community. Providing a wide range of up to date topics on the advancement and refinement of environmental forensic techniques, this book ensures the reader gets a good understanding of the scope of environmental forensics. Aimed at scientists, regulators, academics and consultants throughout the world, this professionally edited book is the fourth of a series of INEF conference publications chronicling the current state of the art in environmental forensics.

Index to Legal Periodicals & Books - 2002

Forensic Investigation of Clandestine Laboratories - Donnell R. Christian, Jr.
2003-07-28

Clandestine lab operators are not the mad scientists whose genius keeps them pent up in

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the laboratory contemplating elaborate formulas and mixing exotic chemicals. In fact, their equipment is usually simple, their chemicals household products, and their education basic. Most of the time the elements at the scene are perfectly legal to sell and own. It is only in the combination of all these elements that the lab becomes the scene of a criminal operation.

Forensic Investigation of Clandestine Laboratories guides you, step-by-step, through the process of recognizing these illegal manufacturing operations. Then it shows you how to prove it in the courtroom. In non-technical language this book details: How to recognize a clandestine lab How to process the site of a clandestine lab How to analyze evidence in the examination laboratory What to derive from the physical evidence How to present the evidence in court The identification and investigation of a clandestine lab, and the successful prosecution of the perpetrators, is a team effort. A collaboration of law enforcement,

forensic experts, scientists, and criminal prosecutors is required to present a case that definitively demonstrates how a group of items with legitimate uses are being used to manufacture an illegal controlled substance. Providing an understanding of how the pieces of the clandestine lab puzzle fit together, this book outlines the steps needed to identify and shut down these operations, as well as successfully prosecute the perpetrators.

Compound-specific Stable Isotope Analysis -
Maik A Jochmann 2015-11-09

The use of Compound-specific Stable Isotope Analysis (CSIA) is increasing in many areas of science and technology for source allocation, authentication, and characterization of transformation reactions. Until now, there have been no textbooks available for students with an analytical chemical background or basic introductory books emphasising the instrumentation and theory. This book is the first to focus solely on stable isotope analysis of

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individual compounds in sometimes complex mixtures. It acts as both a lecture companion for students and a consultant for advanced scientists in fields including forensic and environmental science. The book starts with a brief history of the field before going on to explain stable isotopes from scratch. The different ways to express isotope abundances are introduced together with isotope effects and isotopic fractionation. A detailed account of the required technical equipment and general procedures for CSIA is provided. This includes sections on derivatization and the use of microextraction techniques in GC-IRMS. The very important topic of referencing and calibration in CSIA is clearly described. This differs from approaches used in quantitative analysis and is often difficult for the newcomer to comprehend. Examples of successful applications of CSIA in food authenticity, forensics, archaeology, doping control, environmental science, and extraterrestrial

materials are included. Applications in isotope data treatment and presentation are also discussed and emphasis is placed on the general conclusions that can be drawn from the uses of CSIA. Further instrumental developments in the field are highlighted and selected experiments are introduced that may act as a basis for a short practical course at graduate level.

Environmental Forensics - Robert D. Morrison
1999-09-29

Offering state-of-the-art techniques for both attorneys and environmental scientists, *Environmental Forensics: Principles and Applications* discusses non-chemical methods such as corrosion modeling, inventory reconciliation, and aerial photography interpretation. The book also covers chemical fingerprinting used to identify the origin and age of a contaminant release- relevant techniques include the use of radioactive isotope analysis, degradation modeling based on half-lives, and fuel additives such as MTBE. Environmental

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Forensics provides case study examples of environmental trial exhibits. It covers misused techniques that can bias the scientific validity of a trial exhibit, such as scale exaggeration, use of statistical manipulation, data contouring, and selective presentation. Detailed information is provided for identifying and interpreting those portions of environmental reports that are "target rich" sources of scientific biases. These include the identification of false positive, false negative and the intentional manipulation of environmental data that occurs primarily in the sample collection process.

The National Directory of Expert Witnesses - 2001

Contaminated Soil, Sediment & Water - 2001

Casarett & Doull's Toxicology: The Basic Science of Poisons, Eighth Edition - Curtis Klaassen
2013-04-25

The most trusted all-in-one overview of the

biomedical and environmental aspects of toxicology--NOW more complete, up-to-date, and in full color The world's leading and most authoritative textbook on poisons has more to offer students, toxicologists, and pharmacologists than ever before. Now in full color, and thoroughly revised, the eighth edition of Casarett & Doull's TOXICOLOGY: The Basic Science of Poisons not only delivers a comprehensive review of the essential components of toxicology, it offers the most up-to-date, revealing, and in-depth look at the systemic responses of toxic substance available anywhere. Combined with the latest thinking by the field's foremost scholars plus solid coverage of general principles, modes of action, and chemical-specific toxicity, this landmark text continues to set the standard for toxicology references. NEW to the Eighth Edition FULL-COLOR design to allow for a clearer interpretation of the basic components of toxicology featured throughout the text

EXPANDED tables, illustrations, and other visuals are updated with state-of-the-art standards that makes this edition even more current and relevant DVD with image bank features all tables and illustrations from the text in presentation-ready format NEW CHAPTERS include "Toxic Effects of Calories" and "Toxic Effects of Nanoparticles"

Environmental Reports and Remediation Plans - Randall L. Erickson 1995

The ability to perform a critical review for an environmental report is an essential skill required by US lawyers and consultants. This study explains what to look for in these reports and how to interpret them. It provides definitions and explains terminology, shows how to determine if the report is accurate, and describes how to identify improper assumptions. It also illustrates how to tell if a report meets legal requirements such as evidentiary standards.

Trichloroethylene, Tetrachloroethylene and

chlorinated-solvents-a-forensic-evaluation

Some Other Chlorinated Agents -

International Agency for Research on Cancer
2015-09-30

This publication provides an assessment of the carcinogenic hazards associated with exposure to seven chlorinated solvents, including trichloroethylene, tetrachloroethylene, and their metabolites (dichloroacetic acid, trichloroacetic acid, and chloral hydrate). All these agents were previously assessed by IARC Working Groups more than 10 years ago, and new epidemiological and mechanistic evidence has been considered in this reevaluation.

Trichloroethylene has been used in several industries, such as manufacture and repair of aircraft and automobiles, and in screw-cutting, while tetrachloroethylene is widely used in dry-cleaning and as a feedstock for the production of chlorinated chemicals.

Southwest Hydrology - 2006

Environmental Forensics Fundamentals - Ioana

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Gloria Petrisor 2014-07-14

A Practical Guide to Environmental Crime Scene Investigations

Releasing contaminants into the environment-whether deliberate or unintentional-can be thought of as a crime against the environment. The role of environmental forensics is to identify and prevent environmental pollution, or crimes.

Environmental Forensics Fundamentals: A Practical Guide

Environmental Forensics - Ronald E. Hester
2008

'Environmental forensics' is a combination of analytical and environmental chemistry, which is useful in the court room context. It therefore involves field analytical studies and both data interpretation and modelling connected with the attribution of pollution events to their causes.

Recent decades have seen a burgeoning of legislation designed to protect the environment and, as the costs of environmental damage and clean-up are considerable, not only are there

prosecutions by regulatory agencies, but the courts are also used as a means of adjudication of civil damage claims relating to environmental causes or environmental degradation. As a result is the increasing number of prosecutions of companies who have breached regulations for environmental protection and in civil claims relating to harm caused by excessive pollutant releases to the environment. Such cases can become extremely protracted as expert witnesses provide their sometimes conflicting interpretations of environmental measurement data and their meaning. It is in this context that environmental forensics is developing as a specialism, leading to greater formalisation of investigative methods which should lead to more definitive findings and less scope for experts to disagree. Now a significant subject in its own right, at least one journal devoted to the field and a number of degree courses have sprung up. As a result of the topicality and rapid growth of the subject area, is the publication of this book -

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the 26th volume in the highly acclaimed Issues in Environmental Science and Technology Series. This volume contains authoritative articles by a number of the leading practitioners across the globe in the environmental forensics field and aims to cover some of the main techniques and areas to which environmental forensics are being applied. The content is comprehensive and describes a number of the key areas within environmental forensics - topics covered by the authors include: - Source identification issues - Microbial techniques - Metal contamination and methods of assigning liability - The use of isotopes to determine sources and their applications - Molecular biological methods - Hydrocarbon fingerprinting techniques - Oil chemistry and key compound identification - The emerging role of environmental forensics in groundwater pollution Additionally, the volume considers specific pollutants and long-lived pollutants of groundwater such as halocarbons which have

presented particular problems and which are described in some depth, as well as the way in which chemical degradation processes can lead to compositional changes which provide valuable information. The book provides a comprehensive overview of many of the key areas of environmental forensics written by some of the leading experts in the field. It will be both of specialist use to those seeking expert insights into the field and its capabilities as well as of more general interest to those involved in both environmental analytical science and environmental law.

Safe and Healthy School Environments - Howard Frumkin M.D. 2006-08-03

Millions of children and adults across the nation spend their days in school buildings, and they need safe, healthy environments to thrive, learn, and succeed. This book explores the school environment using the methods and perspectives of environmental health science. Though environmental health has long been understood

to be an important factor in workplaces, homes, and communities, this is the first book to address the same basic concerns in schools. The editors are physicians and educators trained in pediatrics, occupational and environmental medicine, and medical toxicology, and the authors are experts in their fields drawn from across the United States and abroad. Each section of the book addresses a different concern facing schools today. In the first six sections, the various aspects of the school environment are examined. Chapters include the physical environment of the school, air quality issues, pest control, cleaning methods, food safety, safe designs of playgrounds and sports fields, crime and violence prevention, and transportation. In the last two sections, recommendations are made for school administrators on how to maximize the health of their schools. Appropriately evaluating the school environment, implementing strategies to address children and adults with disabilities,

emphasizing health services, infectious disease prevention and recognition, and occupational health for faculty and staff are all addressed. The entire book is evidence-based, readable, generously illustrated, and practical. An indispensable resource for parents, school staff, administrators, government officials, and health professionals, this book is for anyone who cares about the health of our schools.

Introduction to Environmental Forensics - Brian L. Murphy 2014-07-30

The third edition of Introduction to Environmental Forensics is a state-of-the-art reference for the practicing environmental forensics consultant, regulator, student, academic, and scientist, with topics including compound-specific isotope analysis (CSIA), advanced multivariate statistical techniques, surrogate approaches for contaminant source identification and age dating, dendroecology, hydrofracking, releases from underground storage tanks and piping, and contaminant-

transport modeling for forensic applications. Recognized international forensic scientists were selected to author chapters in their specific areas of expertise and case studies are included to illustrate the application of these methods in actual environmental forensic investigations. This edition provides updates on advances in various techniques and introduces several new topics. Provides a comprehensive review of all aspects of environmental forensics Coverage ranges from emerging statistical methods to state-of-the-art analytical techniques, such as gas chromatography-combustion-isotope ratio mass spectrometry and polytopic vector analysis Numerous examples and case studies are provided to illustrate the application of these forensic techniques in environmental investigations

Forensic Hydrology - 2007

Environmental Investigation and Remediation - Thomas K.G. Mohr 2016-04-19

A ubiquitous, largely overlooked groundwater contaminant, 1,4-dioxane escaped notice by almost everyone until the late 1990s. While some dismissed 1,4-dioxane because it was not regulated, others were concerned and required testing and remediation at sites they oversaw. Drawing years of 1,4-dioxane research into a convenient resource, Environmental
Chlorinated Solvents - Robert D Morrison
2015-11-09

Environmental forensics is emerging and evolving into a recognized scientific discipline with numerous applications, especially regarding chlorinated solvents. This unique book provides the reader with a concise compilation of information regarding the use of environmental forensic techniques for age dating and identification of the source of a chlorinated solvent release. Concentrating on the five commonly encountered chlorinated solvents (perchloroethylene, trichloroethylene, methyl chloroform, carbon tetrachloride and

CFC-113), forensic opportunities applicable to each are presented including the use of stabilizers, manufacturing impurities, surrogate chemicals and physical measurements and degradation products as diagnostic indicators. Detailed historical chronology of the applications of the solvents and specific chapters devoted to dry cleaning and vapor degreasing equipment are included as are generic forensic approaches. Forming a basis for further ideas in the evolution of environmental forensic techniques, Chlorinated Solvents will be an indispensable reference tool for researchers, regulators and analysts in the field.

Toxicological Profile for Methylene Chloride
- 2000

A Biologic Approach to Environmental Assessment and Epidemiology - Thomas J. Smith 2010-06-24

In this book, Thomas J. Smith and David Kriebel assert that important advances in the

quantification of environmental risks can only come through a true synthesis of the fields of environmental epidemiology and exposure assessment. They have built a common biologic model of exposure, physiologic response, and disease, a synthesis of the various existing models which serves to both simplify and improve the application of environmental epidemiology and exposure assessment to current and future environmental chemical risks. [Is All Research Created Equal?](#) - Pamela Mary Franklin 2002

Forensic Chemistry Handbook - Lawrence Kobilinsky 2011-11-17

A concise, robust introduction to the various topics covered by the discipline of forensic chemistry The Forensic Chemistry Handbook focuses on topics in each of the major chemistry-related areas of forensic science. With chapter authors that span the forensic chemistry field, this book exposes readers to the state of the art

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on subjects such as serology (including blood, semen, and saliva), DNA/molecular biology, explosives and ballistics, toxicology, pharmacology, instrumental analysis, arson investigation, and various other types of chemical residue analysis. In addition, the Forensic Chemistry Handbook: Covers forensic chemistry in a clear, concise, and authoritative way Brings together in one volume the key topics in forensics where chemistry plays an important role, such as blood analysis, drug analysis, urine analysis, and DNA analysis Explains how to use analytical instruments to analyze crime scene evidence Contains numerous charts, illustrations, graphs, and tables to give quick access to pertinent information Media focus on high-profile trials like those of Scott Peterson or Kobe Bryant have peaked a growing interest in the fascinating subject of forensic chemistry. For those readers who want to understand the mechanisms of reactions used in laboratories to piece together

crime scenes—and to fully grasp the chemistry behind it—this book is a must-have.

Introduction to Phytoremediation - 2000

Sources, emission, and exposure for trichloroethylene (TCE) and related chemicals -

Casarett & Doull's Toxicology: The Basic Science of Poisons, Eighth Edition - Louis J. Casarett
2013-06-19

The most trusted all-in-one overview of the biomedical and environmental aspects of toxicology--NOW more complete, up-to-date, and in full color The world's leading and most authoritative textbook on poisons has more to offer students, toxicologists, and pharmacologists than ever before. Now in full color, and thoroughly revised, the eighth edition of Casarett & Doull's TOXICOLOGY: The Basic Science of Poisons not only delivers a comprehensive review of the essential components of toxicology,

it offers the most up-to-date, revealing, and in-depth look at the systemic responses of toxic substance available anywhere. Combined with the latest thinking by the field's foremost scholars plus solid coverage of general principles, modes of action, and chemical-specific toxicity, this landmark text continues to set the standard for toxicology references. NEW to the Eighth Edition FULL-COLOR design to allow for a clearer interpretation of the basic components of toxicology featured throughout the text EXPANDED tables, illustrations, and other visuals are updated with state-of-the-art standards that makes this edition even more current and relevant DVD with image bank features all tables and illustrations from the text in presentation-ready format NEW CHAPTERS include "Toxic Effects of Calories" and "Toxic Effects of Nanoparticles"

Environmental Investigation and Remediation -

Thomas K.G. Mohr 2020-01-02

Filled with updated information, equations,

tables, figures, and citations, Environmental Investigation and Remediation: 1,4-Dioxane and Other Solvent Stabilizers, Second Edition provides the full range of information on 1,4-dioxane. It offers passive and active remediation strategies and treatment technologies for 1,4-dioxane in groundwater and provides the technical resources to help readers choose the best methods for their particular situation. This new edition includes all new information on remediation costs and reflects the latest research in the field. It includes new practical case studies to illustrate the concepts presented, including 1,4-dioxane occurrence in Long Island and the Cape Fear watershed in North Carolina. Features: Fully updated throughout to reflect the most recent research on 1,4-dioxane Describes the nature and extent of 1,4-dioxane releases, their regulation, and their remediation in a variety of geologic settings Examines 1,4-dioxane analytical chemistry, its many industrial uses, and 1,4-dioxane occurrence as a byproduct

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in production of many products Provides ample site data for recent and relevant remediation case studies, and a review of the widely varying regulatory landscape for 1,4-dioxane cleanup levels and drinking water limits Discusses the importance of accounting for contaminant archeology in investigating contaminated sites, and leveraging solvent stabilizers in forensic investigations While written primarily for practicing professionals, such as environmental consultants and attorneys, water utility engineers, and laboratory managers, the book will also appeal to researchers and academics as well. This new edition serves as a highly useful reference on the occurrence, sampling and analysis, and remedial investigation and design for 1,4-dioxane and related contaminants.

Encyclopedia of Geology - 2020-12-16

Encyclopedia of Geology, Second Edition presents in six volumes state-of-the-art reviews on the various aspects of geologic research, all of which have moved on considerably since the

writing of the first edition. New areas of discussion include extinctions, origins of life, plate tectonics and its influence on faunal provinces, new types of mineral and hydrocarbon deposits, new methods of dating rocks, and geological processes. Users will find this to be a fundamental resource for teachers and students of geology, as well as researchers and non-geology professionals seeking up-to-date reviews of geologic research. Provides a comprehensive and accessible one-stop shop for information on the subject of geology, explaining methodologies and technical jargon used in the field Highlights connections between geology and other physical and biological sciences, tackling research problems that span multiple fields Fills a critical gap of information in a field that has seen significant progress in past years Presents an ideal reference for a wide range of scientists in earth and environmental areas of study

Clinical Laboratory Reference - 1995

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Laboratory products and services currently available in the United States. Product information section arranged alphabetically by companies. Entries include description and ordering information. Indexes by manufactures; brand names; and test, equipment, and services. Product photograph section.

Environmental Forensics - International Network of Environmental Forensics. Conference 2010

This publication includes peer-reviewed manuscripts from the 2009 International Network of Environmental Forensics (INEF) held in Calgary, Canada on August 31 through September 1, 2009. INEF is an organization founded by environmental forensic scientists for the express purpose of sharing and disseminating environmental forensic information to the international scientific community. Environmental forensic information presented at the Calgary conference included topics on contaminant age dating, chemical

biomarkers, environmental statistics, the interpretation of forensic data, emerging analytical techniques used in forensic investigations, legal sampling and strategies, petroleum hydrocarbon fingerprinting and diagnostic markers used to age date chlorinated solvents. All of these topics were presented in the context of using these techniques to ultimately identify the origin and age of contaminants released into the environment. This professionally edited book is the first of a series of conference publications chronicling the current state of the art in environmental forensics. The intent of this publication and subsequent INEF conference volumes is to compile a library of state of the art scientific articles dealing with environmental forensic topics.

WHO Guidelines for Indoor Air Quality - World Health Organization 2010

This book presents WHO guidelines for the protection of public health from risks due to a

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number of chemicals commonly present in indoor air. The substances considered in this review, i.e. benzene, carbon monoxide, formaldehyde, naphthalene, nitrogen dioxide, polycyclic aromatic hydrocarbons (especially benzo[a]pyrene), radon, trichloroethylene and tetrachloroethylene, have indoor sources, are known in respect of their hazardousness to health and are often found indoors in concentrations of health concern. The guidelines are targeted at public health professionals involved in preventing health risks of environmental exposures, as well as specialists and authorities involved in the design and use of

buildings, indoor materials and products. They provide a scientific basis for legally enforceable standards.

Risk, Regulatory, and Monitoring Considerations

- Godage B. Wickramanayake 2000
- Regulatory Perspectives and Decision-Making- Advances in Site Characterization- Environmental Data Management, Geostatistics, and GIS- Advances in Analytical and Detection Techniques- Risk-Based Analyses for Remediation- Human Health/Ecological Risk Assessment- Technical Impracticability- Long-Term Monitoring and Optimization- Innovative Monitoring and Control Systems.