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## **1986-2000**

**U.S. ENVIRONMENTAL PROTECTION AGENCY  
NATIONAL RISK MANAGEMENT RESEARCH LABORATORY  
SUBSURFACE PROTECTION & REMEDIATION DIVISION**

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174. **AN IN SITU PERMEABLE REACTIVE BARRIER FOR THE TREATMENT OF HEXAVALENT CHROMIUM AND TRICHLOROETHYLENE IN GROUNDWATER: VOLUME I, DESIGN AND INSTALLATION**  
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175. **AN IN SITU PERMEABLE REACTIVE BARRIER FOR THE TREATMENT OF HEXAVALENT CHROMIUM AND TRICHLOROETHYLENE IN GROUNDWATER: V. II, PERFORMANCE MONITORING**  
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176. **AN IN SITU PERMEABLE REACTIVE BARRIER FOR THE TREATMENT OF HEXAVALENT CHROMIUM AND TRICHLOROETHYLENE IN GROUNDWATER: V. III MULTICOMPONENT REACTIVE TRANSPORT MODELING**  
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178. **BIOTRANSFORMATION OF GASOLINE-CONTAMINATED GROUNDWATER UNDER MIXED ELECTRON-ACCEPTOR CONDITIONS**  
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180. **EVALUATION AND ANALYSIS OF MICROSCALE FLOW AND TRANSPORT DURING REMEDIATION**  
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181. **FUNDAMENTALS OF SOIL SCIENCE AS APPLICABLE TO MANAGEMENT OF HAZARDOUS WASTES**  
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182. **LASER FLUORESCENCE EEM PROBE FOR CONE PENETROMETER POLLUTION ANALYSIS**  
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183. **MICROBIAL PROCESSES AFFECTING MONITORED NATURAL ATTENUATION OF CONTAMINANTS IN THE SUBSURFACE**  
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184. **\*MONITORED NATURAL ATTENUATION OF CHLORINATED SOLVENTS**  
D. F. Pope and J. N. Jones  
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186. **RELIABILITY-BASED UNCERTAINTY ANALYSIS OF GROUNDWATER CONTAMINANT TRANSPORT AND REMEDIATION**  
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187. **SITE CHARACTERIZATION OF AREA 6, DOVER AIR FORCE BASE, IN SUPPORT OF NATURAL ATTENUATION AND ENHANCED ANAEROBIC BIOREMEDIATION PROJECTS**  
N. R. Grosso, L. P. Leitzinger, and C. Bartlett  
EPA/600/R-99/044 , **PB 99-166456\*\*AVAILABLE ONLY FROM NTIS**
188. **THE GROUNDWATER GEOCHEMISTRY OF AREA 6, DOVER AIR FORCE BASE, DOVER, DELAWARE**  
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189. **ANALYTIC ELEMENT MODELING OF GROUND-WATER FLOW AND HIGH PERFORMANCE COMPUTING**  
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190. **HYDROGEOLOGIC FOUNDATIONS IN SUPPORT OF ECOSYSTEM RESTORATION: BASE-FLOW LOADINGS OF NITRATE IN MID-ATLANTIC AGRICULTURAL WATERSHEDS**  
M. M. Hantush and J. Cruz  
EPA/600/R-99/104  
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191. **NATURAL ATTENUATION OF MTBE IN THE SUBSURFACE UNDER METHANOGENIC CONDITIONS**  
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192. **STATISTICAL ESTIMATION AND VISUALIZATION OF GROUND-WATER  
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SUBSURFACE PROTECTION & REMEDIATION DIVISION  
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## **SECTION B**

**BOOK CHAPTERS  
JOURNAL ARTICLES  
PAPERS FROM PROCEEDINGS**

**Journal articles are available from most libraries or can be obtained through their Interlibrary Loan Service  
Publications readily available from NRMRL Lab/SPRD are denoted with an asterisk (\*).**

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1. **ABIOTIC ORGANIC REACTIONS AT MINERAL SURFACES: A REVIEW**  
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M. D. Piwoni, J. T. Wilson, D. M. Walters, B. H. Wilson, and C. G. Enfield  
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60. **WELL CONSTRUCTION AND PURGING EFFECTS ON GROUND-WATER SAMPLES**  
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- 382. EXPERIMENTAL EVALUATION OF THE MATHEMATICAL MODEL FOR IN SITU AQUIFER RESTORATION PROCESSES**  
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- 383. GEOCHEMICAL INDICATORS OF ANAEROBIC BIODEGRADATION OF BTEX**  
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- 384. HIERARCHICAL APPROACH TO MODELING SURFACE-GROUNDWATER INTERACTIONS: THE WALNUT CREEK (IOWA) WATERSHED IN REGIONAL PERSPECTIVE**  
H. M. Haitjema and S. Mitchell-Bruker  
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- 385. HOT WATER ENHANCED REMEDIATION OF HYDROCARBON SPILLS**  
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- 386. HYDROCARBON VAPOR DIFFUSION IN INTACT CORE SLEEVES**  
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- 387. LABORATORY STUDIES ON THE STABILITY AND TRANSPORT OF INORGANIC COLLOIDS THROUGH NATURAL AQUIFER MATERIAL**  
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393. **MOLECULAR SIZE EXCLUSION BY SOIL ORGANIC MATERIALS ESTIMATED FROM THEIR SWELLING IN ORGANIC SOLVENTS**  
W. G. Lyon and D. E. Rhodes  
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394. **PASSIVE SAMPLING OF GROUND WATER MONITORING WELLS WITHOUT PURGING: MULTILEVEL WELL CHEMISTRY AND TRACER DISAPPEARANCE**  
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414. **EFFECT OF TEMPERATURE AND PORE SIZE ON THE HYDRAULIC PROPERTIES AND FLOW OF A HYDROCARBON OIL IN THE SUBSURFACE**  
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415. **EFFECTS OF THREE CONCENTRATIONS OF MIXED FATTY ACID ON DECHLORINATION OF TETRACHLOROETHENE IN AQUIFER MICROCOSMS**  
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416. **EXPERIMENTAL STUDY OF COMPLETE DISSOLUTION OF A NONAQUEOUS PHASE LIQUID IN SATURATED POROUS MEDIA**  
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425. **MODELING TWO-DIMENSIONAL SUBSURFACE FLOW, FATE AND TRANSPORT AND CHEMICAL**  
J. C. Cheng, G. Yeh, and T. E. Short  
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J. W. Weaver, R. J. Charbeneau, and B. K. Lien  
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434. **SEPARATION OF T-MAZ ETHOXYLATED SORBITAN FATTY ACID ESTERS BY SUPERCRITICAL FLUID CHROMATOGRAPHY**  
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S. R. Kraemer and W. J. De Lange  
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M. Y. Yeh, R. G. Walkup, and K. D. Hill  
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M. J. Barcelona, D. Tomczak, J. Lu and C. Virkhaus  
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462. **INTRINSIC BIOREMEDIATION OF TCE IN GROUNDWATER AT AN NPL SITE IN ST. JOSEPH, MICHIGAN**  
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469. **MICROEMULSION FORMATION WITH CHLORINATED HYDROCARBONS OF DIFFERING POLARITY**  
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472. **NITRATE BASED BIOREMEDIATION OF JP-4 JET FUEL AT EGLIN AFB, FL: PILOT SCALE DEMONSTRATION**  
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479. **REDUCTIVE DEHALOGENATION OF HEXACHLOROETHANE, CARBON TETRACHLORIDE AND BROMOFORM BY ANTHRAHYDROQUINONE DISULFONATE AND HUMIC ACID**  
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489. **TRAVERSE CITY: GEOCHEMISTRY AND INTRINSIC BIOREMEDIATION OF BTX COMPOUNDS**  
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505. **BIOREMEDIATION OF PETROLEUM HYDROCARBONS: A FLEXIBLE, VARIABLE SPEED TECHNOLOGY**  
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- 510. DESIGN AND INTERPRETATION OF MICROCOSM STUDIES FOR CHLORINATED COMPOUNDS**  
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- 511. DETERMINATION OF ALKYLATED AND SULFONATED DIPHENYL OXIDE SURFACTANT BY HIGH PERFORMANCE LIQUID CHROMATOGRAPHY**  
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- 514. ENVIRONMENTAL CHEMISTRY AND KINETICS OF BIOTRANSFORMATION OF CHLORINATED ORGANIC COMPOUNDS IN GROUND WATER**  
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- 515. ESTIMATING THE CHANGING RATE OF ANAEROBIC REDUCTIVE DECHLORINATION OF CHLORINATED ALIPHATIC HYDROCARBONS IN THE PRESENCE OF PETROLEUM HYDROCARBONS**  
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P.O. Box 1198  
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## **SECTION C**

### **RSKERL MODELING REPORTS**

**Available from:  
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## **SECTION D**

**INFORMATION PACKETS**

