Research and Development

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## ORD Publications Announcement

## April - June 1994

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The Administrator of EPA has determined that the publication of this periodical is necessary in the transaction of the public business required by law of this Agency.



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92072	Directory to Literature on Stool-Shed Viruses and Shellfish: Illness Outbreaks and Virus Detection Methods (EPA/600/SR-92/072)	92008	Radon Pressure Differential Project, Phase I Florida Radon Research Program (EPA/600/SR-92/008)

92010	Recommended HVAC Standard of the Florida Radon Research Program (EPA/600/SR-92/010)	93169	Measurement of the Surface Permeability of Basement Concretes (EPA/600/SR-93/169)
92025	Indoor Air Quality Data Base for Organic Compounds (EPA/600/SR-92/025)	93177	Contribution to Indoor Ozone Levels of an Ozone Generator (EPA/600/SR-93/177)
92027	Asbestos Concentrations Two Years after Abatement in Seventeen Schools (EPA/600/SR-92/027)	93211	Case Studies of Radon Reduction Research in Maryland, New Jersey, and Virginia Schools (EPA/600/SR-93/211)
92059	Natural Basement Ventilation as a Radon Mitigation Technique (EPA/600/SR-92/059)	93218	Characteristics of School Buildings in the U.S. (EPA/ 600/SR-93/218)
92090	Simplified Modeling of Air Flow Dynamics in SSD Radon Mitigation Systems for Residences with Gravel Beds (EPA/600/SR-92/090)	93225	Case Studies of Radon Reduction Research in 13 School Buildings (EPA/600/SR-93/225)
92094	Tests of Indoor Air Quality Sinks (EPA/600/SR-92/094)	94001	Supplement to: Standard Measurement Protocols - Florida Radon Research Program (EPA/600/SR-94/ 001)
92102	The Effects of Natural and Forced Basement Ventilation on Radon Levels in Single Family Dwellings (EPA/600/SR-92/102)	94002	Assessment of the Effects of Weatherization on Residential Radon Levels (EPA/600/SR-94/002)
92119	Modeling Radon Entry Into Florida Houses with Concrete Slabs and Concrete-Block Stem Walls, Florida Radon Research Program (EPA/600/SR-92/	94052	Characteristics of Florida Fili Materials and Soils 1990 (EPA/600/SR-94/052)
92125	119) HVAC Systems in the Current Stock of U.S. K-12 Schools (EPA/600/SR-92/125)	94053	Laboratory Assessment of the Permeability and Diffusion Characteristics of Florida Concretes - Phase I - Methods Development and Testing (EPA/600/SR-94/053)
92191	Guidance for Research House Studies of the Florida Radon Research Program (EPA/600/SR-92/191)	Industr	ial Wastewater
92198	Recommended Performance Standard of the Florida Radon Research Program (EPA/600/SR-92/198)	21041	Recovery of Metals from Sludges and Wastewaters (EPA/600/S2-91/041)
92207	Radon Mitigation Studies: South Central Florida Demonstration (EPA/600/SR-92/207)	80049	Pulverized Coal Combustion: Pollutant Formation and Control, 1970-1980 (EPA/600/S8-90/049)
93027	clab Depressurization System Design Ferformance	Munici	pal Solid Waste
93043	Simulation Program (EPA/600/SR-93/027)  Radon Reduction and Radon-Resistant Construction Demonstrations in New York (EPA/600/SR-93/	21005	PROTOCOL - A Computerized Solid Waste Quantity and Composition Estimation System (EPA/600/S2-91/005)
93050	043)	21055	Analysis of Factors Affecting Methane Gas Recovery from Six Landfills (EPA/600/S2-91/055)
	(PTEAM): Riverside, California, Pilot Study—Volume I (EPA/600/SR-93/050)	71002	Approach for Estimating Global Landfill Methane Emissions (EPA/600/S7-91/002)
93052	Workshop, Florida Radon Research Program (EF A) 600/SR-93/052)	81031	Methodology for Assessing Environmental Releases of and Exposure to Municipal Solid Waste Combustor Residuals (EPA/600/S8-91/031)
9308	Proceedings: The 1992 International Symposium on Radon and Radon Reduction Technology (EPA/600/SR-93/083)	92024*	Construction, Monitoring, and Performance of Two Soil Liners (EPA/600/S-92/024)
9309	Standard of the Florida Hadon Hesearch Flogram	92052	Proceedings: 1989 International Conference on Municipal Waste Combustion (EPA/600/SR-92/052)
9310	Air Emissions: Volume 1 Insulation, Walloverings,	92233	Evaluation of Source Term Initial Conditions for Modeling Leachate Migration from Landfills (EPA/600/SR-92/233)
	Resilient Floor Coverings, Carpet, Adhesives, Sealants and Caulks, and Pesticides (EPA/600/SR-93/108a)	93137	Behavior and Assimilation of Organic and Inorganic Priority Pollutants Codisposed with Municipal Refuse (EPA/600/SR-93/137)

93167	Evaluation of Solidification/Stabilization Treatment Processes for Municipal Waste Combustion Residues (EPA/600/SR-93/167)	71005	Field Performance of Woodburning and Coalburning Appliances in Crested Butte During the 1989-1990 Heating Season (EPA/600/S7-91/005)
93172	The Use of Alternative Materials for Daily Cover at Municipal Solid Waste Landfills (EPA/600/SR-93/	92001	Documentation of AIRS AMS National Methodologies (EPA/600/SR-92/001)
93181	172) Emission Test Report - Field Test of Carbon Injection for Mercury Control, Camden County Municipal Waste Combustor (EPA/600/R-93/181)	92104	ESPVI 4.0 Electrostatic Precipitator V-I and Performance Model: User's Manual (EPA/600/SR-92/104)
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21007	Emissions of Metals and Organics from Municipal Wastewater Sludge Incinerators (EPA/600/S2-91/007)	94051	Potential Groundwater Contamination from Intentional and Nonintentional Stormwater Infiltration (EPA/600/SR-94/051)
21013	Integrated Model for Predicting the Fate of Organics in Wastewater Treatment Plants (EPA/600/S2-91/	Pesticio	des
	013)	93102	Thermal Degradation Characteristics of Environmentally Sensitive Pesticide Products (EPA/
21046	Bench-Scale Evaluation of Ammonia Removal from Wastewater by Steam Stripping (EPA/600/S2-91/		600/SR-93/102)
	046)	Pollutio	n Prevention
41004	Multispectral Identification of Potentially Hazardous Byproducts of Ozonation and Chlorination: Part I, Studies of Chromatographic and Spectroscopic	21015	Approximate Multiphase Flow Modeling by Characteristic Methods (EPA/600/S2-91/015)
24224	Properties of MX (EPA/600/S4-91/004)	21024	Hospital Pollution Prevention Case Study (EPA/600/ S2-91/024)
61001	Preliminary Risk Assessment for Parasites in Municipal Sewage Sludge Applied to land (EPA/600/S6-91/001)	21025	Landfill Leachate Clogging of Geotextile (and Soil) Filters (EPA/600/S2-91/025)
92003	Emissions of Metals, Chromium and Nickel Species, and Organics from Municipal Wastewater Sludge Incinerators (EPA/600/SR-92/003)	21027	Microbial Degradation of Alkylbenzenes under Sulfate-Reducing and Methanogenic Conditions (EPA/600/S2-91/027)
92117	Inorganic Chemical Characterization of Water Treatment Plant Residuals (EPA/600/SR-92/117)	21028	AHERA Clearance at Twenty Abatement Sites (EPA/600/S2-91/028)
92120	Total Hydrocarbon Emission Testing of Wastewater Sludge Incinerators (EPA/600/SR-92/120)	21031	Waste Minimization Opportunity Assessment: Optical Fabrication Laboratory, Fitzsimmons Army Medical
92184	Toxicity Reduction Evaluation: Case Histories at High Point and Fayetteville, North Carolina (EPA/600/SR-		Center, Denver, Colorado (EPA/600/S2-91/031)
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92238	Investigation of Inappropriate Pollutant Entries into Storm Drainage Systems: A User's Guide (EPA/600/ SR-92/238)	21039	Waste Minimization Opportunity Assessment: A Photofinishing Facility (EPA/600/S2-91/039)
Non-Po	int Source Pollution Control	21054	Waste Minimization Opportunity Assessment: Scott AFB (EPA/600/S2-91/054)
21057	The Liquid and Gaseous Fuel Distribution System (EPA/600/S2-91/057)	21066	Automotive and Heavy-Duty Engine Coolant Recycling by Filtration (EPA/600/S2-91/066)
21060	Review of Energy Efficiency of Refrigerator/Freezer Gaskets (EPA/600/S2-91/060)	31045	FATE, The Environmental Fate Constants Information System Database (EPA/600/S3-91/045)
41013	Agroecosystem Monitoring and Research Strategy: Environmental Monitoring and Assessment Program (EPA/600/S4-91/013)	31052	Laboratory and Field Evaluations of a Methodology for Determining Hexavalent Chromium Emissions from Stationary Sources (EPA/600/S3-91/052)
41027	Watershed Characterization Using LANDSAT Thematic Mapper (TM) Satellite Imagery, Blackfoot River, Montana (EPA/600/S4-91/027)	81052	Industrial Pollution Prevention for the 1990s (EPA/600/S8-91/052)

91023	Control Technology Center, 1990, A Year of Expanding Service (EPA/600/S9-91/023)	93080	Kress Indirect Dry Cooling System, Bethlehem Steel's Coke Plant Demonstration at Sparrows Point, Maryland (EPA/600/SR-93/080)
91047	Proceedings of International Workshop on Research in Pesticide Treatment/Disposal/Waste Minimization (EPA/600/S9-91/047)	93086	Ink and Cleaner Waste Reduction Evaluation for Flexographic Printers (EPA/600/SR-93/086)
92014	Limited-Use Chemical Protective Clothing for EPA Superfund Activities (EPA/600/SR-92/014)	93092	Stress Cracking Behavior of HDPE Geo-membranes and Its Prevention (EPA/600/SR-93/092)
92024	Automotive and Heavy-Duty Engine Coolant Recycling by Distillation (EPA/600/SR-92/024)	93096	Development of Residential Wood Consumption Estimation Models (EPA/600/SR-93/096)
92039	Exposure and Release Estimations for Filter Press and Tray Dryer Operations Based on Pilot Plant	93114	Mobile On-Site Recycling of Metalworking Fluids (EPA/600/SR-93/114)
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92053	A Performance Evaluation of a Variable Speed, Mixed		Performance (EPA/600/SR-93/143)
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92058	Controlling Odorous Emissions from Iron Foundries		Phosphating/Degreasing Bath (EPA/600/SR-93/144)
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92084	Development of a Core Combustion Research	•••	Flexographic Printing Process (EPA/600/SR-93/149)
92004	Program Plan for EPA (EPA/600/SR-92/084)	93150	Watts Nickel and Rinse Water Recovery Via an
92114	Modifications to Reduce Drag Out at a Printed Circuit Board Manufacturer (EPA/600/SR-92/114)	93130	Advanced Reverse Osmosis System (EPA/600/SR-93/150)
92115	Demonstration of Sorbent Injection Technology on a Wall-fired Utility Boiler (Edgewater LIMB Demonstration) (EPA/600/SR-92/115)	93152	Airborne Asbestos Concentrations Three Years After Abatement in Seventeen Schools (EPA/600/SR-93/ 152)
92145	AutoMOUSE—An Improvement to the MOUSE Computerized Uncertainty Analysis System	93154	A Fluid Sorbent Recycling Device for Industrial Fluid Users (EPA/600/SR-93/154)
92159	Operational Manual (EPA/600/SR-92/145) Surface-coating-free Materials Workshop Summary Report (EPA/600/SR-92/159)	93155	Evaluation of Three Cleaning Methods for Removing Asbestos from Carpet: Determination of Airborne Asbestos Concentrations Associated with Each Method (EPA/600/SR-93/155)
92169	Annual Report: Control Technology Center FY91: A Fifth Year of Growth (EPA/600/SR-92/169)	93159	Airborne Asbestos Concentrations During Buffing of Resilient Floor Tile (EPA/600/SR-93/159)
92187	Pollution Prevention Opportunity Assessment: Histology Laboratory Xylene Use Fort Carson, Colorado (EPA/600/SR-92/187)	93160	Recycling Nickel Electroplating Rinse Waters by Low Temperature Evaporation and Reverse Osmosis (EPA/600/SR-93/160)
92188	An Automated Aqueous Rotary Washer for the Metal Finishing Industry (EPA/600/SR-92/188)	93161	Initial Assessment of Emissions from Heat Setting Carpet Yarn (EPA/600/SR-93/161)
92226	Life Cycle Design Guidance Manual: Environ-mental Requirements and the Product System (EPA/600/ SR-92/226)	93162	Weatherability of Enhanced Degradable Plastics (EPA/600/SR-93/162)
92245	Life Cycle Assessment: Inventory Guidelines and Principles (EPA/600/SR-92/245)	93198	Proceedings: EPA/AEERL's Indoor Air Quality/ Pollution Prevention Workshop (EPA/600/SR-93/198)
92251	On-site Waste Ink Recycling (EPA/600/SR-92/251)	93201	Carbon Black Dispersion Pre-Plating Technology for Printed Wire Board Manufacturing (EPA/600/SR-93/
93004	Evaluation of POHC and PIC Screening Methods (EPA/600/SR-93/004)	93223	201)  Ultrasonic Cleaning as a Replacement for a
93008	Pollution Prevention Opportunity Assessment— USDA Beltsville Agricultural Research Center, Beltsville, Maryland (EPA/600/SR-93/008)		Chlorofluorocarbon-Based System (EPA/600/SR-93/223)  Literature Review Summary of Metals Extraction
93015	Pollution Prevention Opportunity Assessment for Two Laboratories at Sandia National Laboratories (EPA/600/SR-93/015)	94006	Processes Used to Remove Lead from Soils (EPA/600/SR-94/006)

94007	Improved Equipment Cleaning in Coated and Laminated Substrate Manufacturing Facilities (Phase	Site Rer	mediation/Land Reclamation
	I) (EPA/600/SR-94/007)	92031	Reclamation and Redevelopment of Contaminated Land: Volume II. European Case Studies (EPA/600/
94019	Evaluation of Volatile Organic Emissions Data for Nonprocess Solvent Use in Commercial and Industrial	2222	SR-92/031)
94022	Business Categories (EPA/600/SR-94/019)  Proceedings: Pollution Prevention Conference on	92032	Superfund Innovative Technology Evaluation (SITE) Report for the Westinghouse Bio-Analytic Systems Pentachlorophenol Immunoassays (EPA/600/SR-92/
5-10LL	Low- and No-VOC Coating Technologies (EPA/600/ SR-94/022)		032)
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94043	Evaluation of Supercritical Carbon Dioxide Technology to Reduce Solvent in Spray Coating Applications (EPA/600/SR-94/043)	93012	Pilot Study on Demonstration of Remedial Action Technologies for Contaminated Land and Groundwater—Volumes 1 and 2 (EPA/600/SR-93/ 012)
94047	Mercury Usage and Alternatives in the Electrical and Electronics Industries (EPA/600SR-94/047)	93242	Assessment and Remediation of Contaminated Sediments (ARCS) Program - Quality Assurance Program Plan (EPA/600/SR-93/242)
94049a	Proceedings: Eighth Symposium on the Transfer and Utilization of Particulate Control Technology - Volume 1. Electrostatic Precipitators (EPA/600/	Spills	
	SR-94/049a)	92143	Acoustic Location of Leaks in Pressurized
94050	Cadmium and Chromium Recovery from Electroplating Rinsewaters (EPA/600/SR-94/050)		Underground Petroleum Pipelines (EPA/600/SR-92/143)
94063	Wash Solvent Reuse in Paint Production (EPA/600/SR-94/063)	93113	Chemical Surface Washing Agents for Oil Spills (EPA/600/SR-93/113)
94069	SAGE 2.0 Solvent Alternatives Guide - User's Guide (EPA/600SR-94/069)	Test Me	ethods Quality Assurance/Quality Control
94069 94071		<b>Test Me</b> 20020	thods Quality Assurance/Quality Control  Transport of Macromolecules and Humate Colloids Through a Sand and a Clay Amended Sand Laboratory Column (EPA/600/S2-90/020)
	Guide (EPA/600SR-94/069)  Evaluation of an Electrodialytic Process for Purification of Hexavalent Chromium Solutions (EPA/600/SR-94/071)  Substitution of Cadmium Cyanide Electropiating		Transport of Macromolecules and Humate Colloids Through a Sand and a Clay Amended Sand
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94071 94074 Radiatio	Guide (EPA/600SR-94/069)  Evaluation of an Electrodialytic Process for Purification of Hexavalent Chromium Solutions (EPA/600/SR-94/071)  Substitution of Cadmium Cyanide Electroplating with Zinc Chloride Electroplating (EPA/600/SR-94/074)	20020 31004 31005 41009	Transport of Macromolecules and Humate Colloids Through a Sand and a Clay Amended Sand Laboratory Column (EPA/600/S2-90/020)  Chemical-Specific Parameters for Toxicity Characteristic Contaminants (EPA/600/S3-91/004)  Snow/Rain Collector Sampler (EPA/600/S3-91/005))  Background Hydrocarbon Vapor Concentration Study for Underground Fuel Storage Tanks (EPA/600/S4-91/009)
94071 94074 Radiatio	Guide (EPA/600SR-94/069)  Evaluation of an Electrodialytic Process for Purification of Hexavalent Chromium Solutions (EPA/600/SR-94/071)  Substitution of Cadmium Cyanide Electropiating with Zinc Chloride Electropiating (EPA/600/SR-94/074)  On  Rate of Flow of Leachate Through Clay Soil Liners	20020 31004 31005	Transport of Macromolecules and Humate Colloids Through a Sand and a Clay Amended Sand Laboratory Column (EPA/600/S2-90/020)  Chemical-Specific Parameters for Toxicity Characteristic Contaminants (EPA/600/S3-91/004)  Snow/Rain Collector Sampler (EPA/600/S3-91/005))  Background Hydrocarbon Vapor Concentration Study for Underground Fuel Storage Tanks (EPA/600/S4-
94074 94074 Radiatio	Guide (EPA/600SR-94/069)  Evaluation of an Electrodialytic Process for Purification of Hexavalent Chromium Solutions (EPA/600/SR-94/071)  Substitution of Cadmium Cyanide Electropiating with Zinc Chloride Electropiating (EPA/600/SR-94/074)  On  Rate of Flow of Leachate Through Clay Soil Liners (EPA/600/S2-91/021)  State-of-the-Art Field Hydraulic Conductivity Testing	20020 31004 31005 41009	Transport of Macromolecules and Humate Colloids Through a Sand and a Clay Amended Sand Laboratory Column (EPA/600/S2-90/020)  Chemical-Specific Parameters for Toxicity Characteristic Contaminants (EPA/600/S3-91/004)  Snow/Rain Collector Sampler (EPA/600/S3-91/005))  Background Hydrocarbon Vapor Concentration Study for Underground Fuel Storage Tanks (EPA/600/S4-91/009)  Monitoring and Research Strategy for Forests—Environmental Monitoring and Assessment Program
94074 94074 Radiatio 21021 21022	Evaluation of an Electrodialytic Process for Purlfication of Hexavalent Chromium Solutions (EPA/600/SR-94/071)  Substitution of Cadmium Cyanide Electroplating with Zinc Chloride Electroplating (EPA/600/SR-94/074)  On  Rate of Flow of Leachate Through Clay Soil Liners (EPA/600/S2-91/021)  State-of-the-Art Field Hydraulic Conductivity Testing of Compacted Soils (EPA/600/S2-91/022)  Evaluation of Soil Washing Technology: Results of Bench-Scale Experiments on Petroleum-Fuels	20020 31004 31005 41009 41012	Transport of Macromolecules and Humate Colloids Through a Sand and a Clay Amended Sand Laboratory Column (EPA/600/S2-90/020)  Chemical-Specific Parameters for Toxicity Characteristic Contaminants (EPA/600/S3-91/004)  Snow/Rain Collector Sampler (EPA/600/S3-91/005))  Background Hydrocarbon Vapor Concentration Study for Underground Fuel Storage Tanks (EPA/600/S4-91/009)  Monitoring and Research Strategy for Forests—Environmental Monitoring and Assessment Program (EMAP) (EPA/600/S4-91/012)  Wetlands Detection Methods Investigation (EPA/600/S4-91/014)  Arid Ecosystems Strategic Monitoring Plan, 1991, Environmental Monitoring and Assessment Program
94071 94074 Radiatio 21021 21022 21023	Evaluation of an Electrodialytic Process for Purification of Hexavalent Chromium Solutions (EPA/600/SR-94/071)  Substitution of Cadmium Cyanide Electropiating with Zinc Chloride Electropiating (EPA/600/SR-94/074)  On  Rate of Flow of Leachate Through Clay Soil Liners (EPA/600/S2-91/021)  State-of-the-Art Field Hydraulic Conductivity Testing of Compacted Soils (EPA/600/S2-91/022)  Evaluation of Soil Washing Technology: Results of Bench-Scale Experiments on Petroleum-Fuels Contaminated Soils (EPA/600/S2-91/023)  Radiation-Curable Coatings (EPA/600/S2-91/035)  Analysis of Historical Radiatively Important Trace	20020 31004 31005 41009 41012 41014 41018	Transport of Macromolecules and Humate Colloids Through a Sand and a Clay Amended Sand Laboratory Column (EPA/600/S2-90/020)  Chemical-Specific Parameters for Toxicity Characteristic Contaminants (EPA/600/S3-91/004)  Snow/Rain Collector Sampler (EPA/600/S3-91/005))  Background Hydrocarbon Vapor Concentration Study for Underground Fuel Storage Tanks (EPA/600/S4-91/009)  Monitoring and Research Strategy for Forests—Environmental Monitoring and Assessment Program (EMAP) (EPA/600/S4-91/012)  Wetlands Detection Methods Investigation (EPA/600/S4-91/014)  Arid Ecosystems Strategic Monitoring Plan, 1991, Environmental Monitoring and Assessment Program (EMAP) (EPA/600/S4-91/018)
94071 94074 Radiatio 21021 21022 21023	Evaluation of an Electrodialytic Process for Purification of Hexavalent Chromium Solutions (EPA/600/SR-94/071)  Substitution of Cadmium Cyanide Electropiating with Zinc Chloride Electropiating (EPA/600/SR-94/074)  On  Rate of Flow of Leachate Through Clay Soil Liners (EPA/600/S2-91/021)  State-of-the-Art Field Hydraulic Conductivity Testing of Compacted Soils (EPA/600/S2-91/022)  Evaluation of Soil Washing Technology: Results of Bench-Scale Experiments on Petroleum-Fuels Contaminated Soils (EPA/600/S2-91/023)  Radiation-Curable Coatings (EPA/600/S2-91/035)	20020 31004 31005 41009 41012	Transport of Macromolecules and Humate Colloids Through a Sand and a Clay Amended Sand Laboratory Column (EPA/600/S2-90/020)  Chemical-Specific Parameters for Toxicity Characteristic Contaminants (EPA/600/S3-91/004)  Snow/Rain Collector Sampler (EPA/600/S3-91/005))  Background Hydrocarbon Vapor Concentration Study for Underground Fuel Storage Tanks (EPA/600/S4-91/009)  Monitoring and Research Strategy for Forests—Environmental Monitoring and Assessment Program (EMAP) (EPA/600/S4-91/012)  Wetlands Detection Methods Investigation (EPA/600/S4-91/014)  Arid Ecosystems Strategic Monitoring Plan, 1991, Environmental Monitoring and Assessment Program (EMAP) (EPA/600/S4-91/018)  Superfund Innovative Technology Evaluation Demonstration Plan for Westinghouse Bio-Analytic Systems Pentachlorophenol Immunoassays (EPA/
94071 94074 Radiatio 21021 21022 21023	Evaluation of an Electrodialytic Process for Purification of Hexavalent Chromium Solutions (EPA/600/SR-94/071)  Substitution of Cadmium Cyanide Electropiating with Zinc Chloride Electropiating (EPA/600/SR-94/074)  On  Rate of Flow of Leachate Through Clay Soil Liners (EPA/600/S2-91/021)  State-of-the-Art Field Hydraulic Conductivity Testing of Compacted Soils (EPA/600/S2-91/022)  Evaluation of Soil Washing Technology: Results of Bench-Scale Experiments on Petroleum-Fuels Contaminated Soils (EPA/600/S2-91/023)  Radiation-Curable Coatings (EPA/600/S2-91/035)  Analysis of Historical Radiatively Important Trace Gases (RITG) Emissions: Development of a Trace Gas Accounting System (T-GAS) for 14 Countries	20020 31004 31005 41009 41012 41014 41018	Transport of Macromolecules and Humate Colloids Through a Sand and a Clay Amended Sand Laboratory Column (EPA/600/S2-90/020)  Chemical-Specific Parameters for Toxicity Characteristic Contaminants (EPA/600/S3-91/004)  Snow/Rain Collector Sampler (EPA/600/S3-91/005))  Background Hydrocarbon Vapor Concentration Study for Underground Fuel Storage Tanks (EPA/600/S4-91/009)  Monitoring and Research Strategy for Forests—Environmental Monitoring and Assessment Program (EMAP) (EPA/600/S4-91/012)  Wetlands Detection Methods Investigation (EPA/600/S4-91/014)  Arid Ecosystems Strategic Monitoring Plan, 1991, Environmental Monitoring and Assessment Program (EMAP) (EPA/600/S4-91/018)  Superfund Innovative Technology Evaluation Demonstration Plan for Westinghouse Bio-Analytic

81050	An Assessment of Soil-Gas Measurement Technologies (EPA/600/S8-91/050)	91 <b>M</b> 020	Waste Minimization Assessment for a Bumper Refinishing Plant (EPA/600/M-91/020)
92050	Evaluation of the Fourier Transform Infrared Spectrometer for Particle-Associated Ammonium Sulfate Determination (EPA/600/SR-92/050)	91M021	Waste Minimization Assessment of Multilayered Printed Circuit Board Manufacturing (EPA/600/M-91/021)
92106	Fourth Progress Report: Quality Assurance Support for the National Atmospheric Deposition and National Trends Network Monitoring Activities 1990-1991	91M022	Waste Minimization Assessment for a Manufacturer of Printed Circuit Boards (EPA/600/M-91/022)
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93002	Updated User-Friendly Computer Programs for Solving Sampling and Statistical Problems (EPA/600/SC-93/002)	91M024	Waste Minimization Assessment for a Manufacturer of Compressed Air Equipment Components (EPA/ 600/M-91/024)
93032	Determination of Volatile Organic Compounds in Soils Using Equilibrium Headspace Analysis and Capillary Column Gas Chromatography/Mass Spectrometry—Evaluation of the Tekmar 7000 HA	91 <b>M</b> 025	Waste Minimization Assessment for a Manufacturer of Aluminum Cans (EPA/600/M-91/025)
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93073	An X-Ray Fluorescence Survey of Lead Contaminated Residential Soils in Leadville, Colorado: A Case Study (EPA/600/SR-93/073)	92S025	Waste Reduction Activities and Options for a Nuclear Powered Electrical Generating Station (EPA/600/S-
93115	Development of an Analysis Method for Total Nonmethane Volatile Organic Carbon Emissions from Stationary Sources (EPA/600/SR-93/115)	92S026	92/025) Waste Reduction Activities and Options for a State Department of Transportation (EPA/600/S-92/026)
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Treatment Train—The Toronto

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915S003

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(EPA/540/MR-93/509)

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- 640K002 Bioremediation: Innovative Pollution Treatment Brochure (EPA/640-/93/002)
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