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Our publications include:

- **Application Notes:** Analysis-specific technical information; 2-8 pages.
- **Fast Facts and Product Flyers:** Outlines describing uses and benefits of specific Restek chromatography columns, tools, accessories, or analytical reference mixes; 2-8 pages.
- **Technical Guides:** Detailed presentations that explain a technique or discuss a group of related analyses; 8+ pages.
- **Other Literature:** Our general catalog, specialty catalogs, wall charts, and more.

Restek is Your Number One Source for FREE Chromatographic Literature.



APPLICATION NOTES (Detailed analysis-specific information)

Air Monitoring

- ☐ 59164B Sulfinert®-Treated Sample Cylinders
- ☐ 59189A Optimization of TO-Can™ Air Monitoring Canisters
- ☐ 59347A Stability of Low-Level (1ppb-20ppb) Reactive Sulfurs in SilcoCan™ Canisters

Chemical/Petrochemical

- ☐ 59164B Sulfinert® Sample Cylinders Increase Holding Time for Sulfur Compounds
- ☐ 59165 Rt-XLSulfur™ Packed GC Column for Low-Level Sulfur Compounds in C1-C6 Hydrocarbon Streams
- ☐ 59367 Fast, High-Temperature Sim Dist Analyses, Using MXT®-1 HT Sim Dist Column and GC Racer Temperature Programmer
- ☐ 59479 High-Temperature Polydimethylsiloxane Column for ASTM D-6352-98 Simulated Distillation Analyses: MXT®-1HT Sim Dist
- ☐ 59538 High-Performance Molecular Sieve 5A and 13X Packed GC Columns
- ☐ 59540 Bonded PLOT Columns for Dual-Column GC of Gases and Volatiles
- ☐ 59549 OPN and n-Octane on Res-Sil™ C Packing, for Separating Hydrocarbons
- ☐ 59551 Petroleum Products by Simulated Distillation, Using MXT® Sim Dist GC Columns
- ☐ 59567 Capillary GC Column for Simulated Distillation of Petroleum Fractions (pdf only)
- ☐ 59568 Rtx®-IPONA GC Column for Petroleum Products (pdf only)
- ☐ 59570 Rtx®-1: A Bonded Packed Column for Simulated Distillation
- ☐ 59571 Rtx®-Wax Column
- ☐ 59573A Sulfur Compounds at ppb Levels, Using an Rt-XLSulfur™ Micropacked GC Column or an Rtx®-1 Thick Film Capillary GC Column
- ☐ 59587 Oxygenates in Gasoline (pdf only)

Clinical/Forensic

- ☐ 59118A Allure™ PFP Propyl and Ultra PFP HPLC Columns Improve Analyses of Basic Compounds
- ☐ 59124 Ultra C4 HPLC Column: High Stability at Low pH (pdf only)
- ☐ 59141 Analyze Nucleotides, Nucleosides, Purines, and Pyrimidines Simultaneously: Ultra IBD HPLC Column (pdf only)
- ☐ 59548 Commonly Abused Inhalants in Blood, Using Rtx®-BAC1 and Rtx®-BAC2 GC Columns
- ☐ 59574 Fire Debris Analysis
- ☐ 59575 Barbiturate Analysis (pdf only)
- ☐ 59576 Opiate Analysis (pdf only)
- ☐ 59598 Dual-Column Confirmational GC of Blood Alcohols, Using Rtx®-BAC1 and Rtx®-BAC2 Columns (Optimized for Perkin-Elmer HS 40 Headspace Autosampler) (pdf only)

Environmental

- ☐ 59101 US EPA Method 619 Triazine Herbicides, Using Rtx®-CLPesticides and Rtx®-CLPesticides2 GC Columns
- ☐ 59110 CarboPrep™ SPE Cleanup of Method 8081A Chlorinated Pesticides (pdf only)
- ☐ 59111 Minimizing Breakdown of Chlorinated Pesticides, Using Siltek®-Deactivated GC Accessories (pdf only)
- ☐ 59113 Siltek® Deactivation Delivers Inertness to Analyte Breakdown and Reactivity, and Durability to Physical and Chemical Challenges (pdf only)
- ☐ 59120 Rtx®-CLPesticides and Rtx®-CLPesticides2 Columns: Ideal Confirmation Pair for Polychlorinated Biphenyls (pdf only)
- ☐ 59125 Improving Throughput of Semivolatile GC/MS Analysis, Using a Performance-Based Measurement System, Rtx®-5Sil MS Column, and Uniliner® Inlet Liner



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APPLICATION NOTES (Detailed analysis-specific information)

Environmental (cont'd)

- 59131 Rtx®-5Sil MS Column: Best Resolution for Gasoline Range Organic GRO Compounds in Alaska Method AK101AA
- 59142 CarboPrep™ SPE Cleanup of Method 8141A Organophosphorus Pesticides and Herbicides
- 59150 Optimizing Massachusetts Volatile Petroleum Hydrocarbon GC Analysis
- 59162 Fewer Coelutions and Faster GC Analysis of EPA Method 8095 Explosives, Using Rtx®-TNT and Rtx®-TNT2 Column Pair
- 59175 GC/ECD Analysis of Haloacetic Acids in Water, Using Rtx®-CLPesticides and Rtx®-CLPesticides2 Columns
- 59187 Optimizing GC Analysis of Ethylene Glycol in Water
- 59190 Separating *m*- and *p*-Xylene Isomers by US EPA Method 8260, Using an Rtx®-200 GC Column (pdf only)
- 59191 Volatiles by GC/MS Using an Rtx®-VMS Column
- 59196A Analysis of Polycyclic Aromatic Hydrocarbons Using Rtx®-5Sil MS and Rtx®-CLPesticides2 Columns
- 59343 Fast Analysis of Dioxin and Related Compounds, Using an Rtx®-5MS Column
- 59345 Resolving Oxygenates from Gasoline Additives, Using an Rtx®-VGC GC Column
- 59351B Stx™-CLPesticides and Stx™-CLPesticides2 Columns: Improved Inertness for Chlorinated Pesticides
- 59359 Improved Analysis of Organophosphorus Pesticides, Using Rtx®-OPPesticides and Rtx®-OPPesticides2 Columns
- 59361 HPLC of Trace-Level Explosives, Using Pinnacle II C18 and Cyano Columns
- 59457 Fast Analyses of Aroclor® PCBs, Using the Zip Scientific GC Racer Temperature Programming System (pdf only)
- 59487 Higher Responses for Chlorinated Pesticides, Using a Drilled Uniliner® GC Inlet Liner and Rtx®-CLPesticides Column
- 59539 US EPA Method 504.1 Organochlorine Pesticides, Using Rtx®-CLPesticides and Rtx®-CLPesticides2 GC Columns
- 59544 Extraction of Oil and Grease from Wastewater, Using US EPA Method 1664 and Resprep™ Oil and Grease SPE Disks and Flow Filters (pdf only)
- 59547 US EPA Method 8081A Chlorinated Pesticides, Using Rtx®-CLPesticides & Rtx®-CLPesticides2 GC Columns
- 59550A Sample Preparation and Analysis of Organo Tin Compounds (pdf only)
- 59552 GC/MS Analysis of Azo Dye Compounds
- 59557 SPE Extraction for EPA Method 525.1 (pdf only)
- 59558 PCB Screening in Less Than 10 Minutes
- 59559A Chlorophenoxy Herbicides Using Rtx®-CLPesticides and Rtx®-CLPesticides2 GC Columns
- 59562A Florisil® SPE Cleanup for Organochlorine Pesticides and Polychlorinated Biphenyls
- 59563 Extraction of Paraquat & Diquat from Water, Using Resprep™-C8-47 Extraction Disks (pdf only)
- 59564 Extraction of PCBs, using Resprep™-C18-47 SPE Disks and Resprep™-6D Extraction System (pdf only)
- 59565A Extraction of Polynuclear Aromatic Hydrocarbons, Using Resprep™-18-47 SPE Disks and Resprep™-6D Extraction System
- 59571 Rtx®-Wax Column
- 59856 Trace Oxygenates in Petroleum-Contaminated Wastewater, Using Purge-and-Trap/GC/MS US EPA Methods 5030B & 8260
- 580006 Paraquat/Diquat Analysis on an Ultra Quat HPLC Column

Foods, Flavors, Fragrances

- 59128 Omega-3 (n-3) and Omega-6 (n-6) Fatty Acid Composition in Evening Primrose Oil, Flax Seed Oil, Black Currant Oil, and Borage Oil
- 59136 Institute for Nutraceutical Advancement (INA) Validates GC Methods for Saw Palmetto, Using Rtx®-5 and Stabilwax® Columns
- 59155B Volatile Free Fatty Acids on the Stabilwax®-DA GC Column
- 59186 Vanillin and Ethyl Vanillin in Vanilla Flavors
- 59199 Heat Level of Spicy Foods, Using an Ultra C18 HPLC Column
- 59335 Glucosinolates in Vegetable Extracts, without Ion Pairing, Using an Ultra Aqueous C18 HPLC Column (pdf only)
- 59348 Volatile Compounds in Food Contact Packaging, Using Purge and Trap GC/MS and an Rtx®-5MS Column
- 59358 Sulfur Impurities in Beverage-Grade Carbon Dioxide, Using the Rt-XLSulfur™ Micropacked Column

Foods, Flavors, Fragrances (cont'd)

- 59364 Nutraceuticals by HPLC and GC
- 59398 Analysis of Preservatives, Using HPLC
- 59485 Acrylamide Analysis by GC
- 59530 Single-Column HPLC Method for Organic Acids in Fruit Juices, Using an Allure™ Organic Acids Column
- 59546 Chiral Flavor Compounds in Apple Juices, Using Rt-βDEXsm™ and Rt-βDEXse™ GC Columns
- 59553 Grape Flavor, Using an Rt-γDEXsa™ GC Column
- 59580A Fast, Selective Triglyceride Analysis
- 59581 Cholesterol and Other Dietary Sterols
- 59584A High-Resolution Analyses of Fatty Acid Methyl Esters by GC
- 59585A Using Computer Modeling to Optimize FAME Analysis

General Interest

- 59124 Ultra C4 HPLC Column: High Stability at Low pH
- 59742 Pinnacle DB HPLC Columns as Replacements for Hypersil® BDS

Pharmaceutical

- 59107 European Pharmacopoeia Tests - Newly Revised for Residual Solvents (pdf only)
- 59108 Improved GC Analysis of Basic Organic Compounds, Using Base-Deactivated Columns and Inlet Liners (pdf only)
- 59118A Allure™ PFP Propyl and Ultra PFP HPLC Columns Improve Analyses of Basic Compounds
- 59133 Excellent LC/MS Separation of Penicillins and Cephalosporins, Using Ultra IBD Columns
- 59141 Analyze Nucleotides, Nucleosides, Purines, and Pyrimidines Simultaneously with the Ultra IBD HPLC Column
- 59151 Cardiac Medications by HPLC
- 59339 Phenylpropanolamine in Cold Medications, Using an Rtx®-5Amine GC Column
- 59453 Analysis of Narcotics and Narcotic / Acetaminophen Admixtures: What to do When Compendium Methods Don't Work (HPLC)
- 59510 HPLC Stationary Phase Selection for the Analysis of Steroids (pdf only)
- 59511A Improved HPLC Analysis of Analgesics
- 59512 Ultra IBD Column Allows HPLC Separation of Polar and Non-Polar Analytes from the Same Sample
- 59577C GC Analysis of Organic Volatile Impurities According to USP 467 Supplement Two of USP 25-NF 20 / January, 2002 (pdf only)
- 580020 Steroids on Allure™ Biphenyl HPLC Columns
- 580027 GC Analysis of Non-Purgeable Solvents in Pharmaceutical Discharges

Surface Passivation

- 59082 Sulfur Compound Sampling, Storage, and Transfer Considerations (pdf only)
- 59089 Prevent Adsorption of Mercury, Sulfur, and Nitrogen Compounds in Stack and Monitoring Equipment
- 59090 Improve Corrosion Resistance of Stainless Steel Tenfold, or More
- 59164B Sulfinert® Treated Sample Cylinders for Low ppb Sulfur Analyses
- 580001 Faster Dry-Down with Silcosteel®-CR Treatment
- 580012 Treated Sampling System Components from Restek Performance Coatings Group
- 580024 Improve Engine Performance with Silcosteel®-AC Surface Treatment

TECHNICAL GUIDES (In-depth "how to" information)

- 59260A Foods Flavors Fragrances
- 59411A Semivolatile Organic Compounds
- 59462 Alcoholic Beverages by GC
- 59738 Cleaning and Personal Care Products by GC and HPLC
- 59880A Hints for Using Split/Splitless Injectors
- 59882A Direct and On-column Flash Vaporization Injection
- 59887A Volatile Organic Compounds
- 59889 Chiral Compounds by GC
- 59890 Selection Guide for Polar WAX GC Column Phases
- 59892 Preparing and Analyzing Chlorinated Pesticides (pdf only)
- 59895A Static Headspace Analysis, Using GC
- 59977B Passive Air Sampling, Using Canisters

FAST FACTS and PRODUCT FLYERS (Overviews of product features and benefits)

Air Monitoring

- 59026A Sampling Supplies for TO-13
- 59285A TO-Can™ Air Monitoring Canisters
- 59290B Passive Air Sampling Kits
- 59315 Ultra-Clean Resin

Analytical Reference Materials

- 59085A Analytical Reference Materials New in 2006
- 59214 Analytical Reference Materials
- 59276B Environmental Gas Standards
- 59326A Semivolatile Organics: US EPA Method 8270D/Appendix IX Compounds (pdf only)
- 59332B Volatile Organics: US EPA Method 8260B (pdf only)
- 59381A Explosives
- 59382B Ethanol Standards for Blood Alcohol Testing
- 59383A Calibration Standards for ASTM Method D2887-01, Boiling Range Distribution of Petroleum Products (pdf only)
- 59384B Certified PAHs in Composite Diesel Fuel #2 / Certified Aromatics in Unleaded Gasoline
- 59391 UST Monitoring: Massachusetts
- 59392 UST Monitoring: Wisconsin
- 59394 UST Monitoring: Texas
- 59395 UST Monitoring: Florida
- 59396 UST Monitoring: Northwest Regional
- 59397 EPA Office of Underground Storage Tanks OUST: Recommended Methods
- 59433 UST Monitoring: California
- 59446 Partners in Pesticides Analysis (pdf only)
- 59503 UST Monitoring: Alaska
- 59504 UST Monitoring: Iowa
- 59521A Aldehyde/Ketone DNPH Standards for US EPA Methods TO-11A and 8315 (pdf only)

GC Columns

- 59016 Rtx®-1701/MXT®-1701 Columns
- 59053 Restek GC Columns
- 59209A Rtx®-VMS Columns (pdf only)
- 59217 Rtx®-VGC Columns
- 59218 Rtx®-TNT/TNT2 Columns
- 59247 Rtx®-VRX Columns
- 59275 Rtx®-OPPesticides2 Columns
- 59308 Rtx®-1/MXT®-1 Columns (pdf only)
- 59310 Rtx®-5/MXT®-5 Columns
- 59317 Rtx®-1301/MXT®-1301 Columns
- 59322 Rtx®/MXT®-200 Columns
- 59327 Rt-XLSulfur™ Packed (and Micropacked) Columns

GC Columns (cont'd)

- 59328 Rtx®-TNT and Rtx®-TNT2 GC Columns
- 59329 Rtx®-VMS Columns
- 59330 Rtx®-5 Amine Columns (pdf only)
- 59380 Rtx®-35 Amine Columns
- 59439 Rtx®-200 Columns (pdf only)
- 59441 Integra-Guard™ Columns
- 59519A ShinCarbon ST Micropacked Columns: Above-Ambient Analyses of Permanent Gases and Light Hydrocarbons (pdf only)
- 59737 Bulk Packing Materials
- 59957 Rtx®-XLB Low Bleed Columns (pdf only)
- 580016 Rtx®-CLPesticides Columns: Reduce Analysis Time; Reduce System Maintenance
- 580043 Restek GC Columns: accept no substitutes (cross-references Restek columns and columns from other manufacturers)
- 580046 Rxi®-5MS Columns
- 580086 Rxi® Columns Booklet

GC Accessories

- 59009A Dual Vespel® Ring Inlet Seals
- 59208F GC Essentials (one-stop shopping for GC inlet needs)
- 59280 Super-Clean™ Gas Filters (pdf only)
- 59297 GC Racer Fast Oven Programming (pdf only)
- 59324 6890 Uniliner® Liner (pdf only)
- 59498A EZ No-Vent™ GC-MS Connector for Agilent & Varian
- 59505 Vu2 Union™: Maintain Seal Integrity (pdf only)
- 59877 Drilled Uniliner® GC Inlet Liner: Minimize Adsorption of Active Analytes
- 59878A Vu2 Union™ & SeCure™ "Y" Connectors (pdf only)
- 59893C Inlet Supplies (for Agilent, PerkinElmer, Shimadzu, Thermo Finnigan, Varian gas chromatographs)
- 580040 EZ Twist Top™ Injection Port (not available in Germany or Japan)
- 580050 Parker Balston® Zero Air Generators (pdf only)
- 580051 Parker Balston® FID Gas Stations (pdf only)
- 580052 Parker Balston® Nitrogen Generators (pdf only)
- 580053 ChromGas® Hydrogen Generators (pdf only)
- 580054 Restek Electronic Leak Detector
- 580088 Septacular! Precision-molded, low-bleed septa from Restek

HPLC Columns

- 59281 Pinnacle II Columns
- 59314 Trident™ Direct Guard Column System
- 59371 Ultra Aqueous C18 Columns
- 59385A Pinnacle II Amino Columns
- 59499 Pinnacle DB Columns
- 59613B Allure™ C18 Columns



FAST FACTS and PRODUCT FLYERS (Overviews of product features and benefits)

HPLC Columns (cont'd)

- ☐ 59614B Ultra IBD Columns
- ☐ 59741A Environmental HPLC
- ☐ 59901 High Performance Silica Products
- ☐ 59939 Viva Wide Pore HPLC Columns
- ☐ 580015 Allure™ Biphenyl HPLC Columns:
Enhanced Selectivity for Unsaturated Compounds
- ☐ 580089 Restek—Your One Source for Kromasil® HPLC Columns and Bulk Packing Materials

HPLC Accessories

- ☐ 59012A Genuine Restek Replacement Parts for HPLC Systems
- ☐ 59728A Mobile Phase Accessories

Sample Preparation

- ☐ 59921A Supplies & Accessories for ASE® Systems

Surface Passivation

- ☐ 59076 Restek Performance Coatings: Products Bibliography
- ☐ 59318A Sulfinert® Coatings (pdf only)
- ☐ 59532 Silcosteel®-UHV: Dramatically Reduce Outgassing in UHV Systems
- ☐ 59803A Siltek® Deactivation (pdf only)
- ☐ 59938 Restek Performance Coatings: Treated Stock Products
- ☐ 59956 Silcosteel®-CR: Achieve Specialty Alloy Performance Using Austenitic Stainless Steels

OTHER LITERATURE (Catalogs, charts, In-Review literature summaries, etc.)

- ☐ 580116 Chromatography Supplies General Catalog - 2007
- ☐ 59208F GC Essentials
- ☐ 59216D Gas Purification Essentials (pdf only)
- ☐ 59225C Vial, Syringe & Liner Essentials (pdf only)
- ☐ 59253 USP Column Cross-Reference Chart
- ☐ 59260A Foods, Flavors, Fragrances (guide/catalog)
- ☐ 59298 Petrochemical In-Review
- ☐ 59450 Pharmaceutical In-Review (pdf only)
- ☐ 59454C HPLC Column Selection Guide (chart)
- ☐ 59489 Foods Flavors & Fragrances In-Review
- ☐ 59493 Restek Performance Coatings Services Brochure
- ☐ 59522A STAR™ Service Rewards (pdf only)
- ☐ 59612A Tube Fitting Installation Manual (pdf only)
- ☐ 59627E Genuine Restek Replacement Parts for Agilent GCs (pdf only)
- ☐ 59668A GC Column Installation (chart)
- ☐ 59741A Environmental HPLC:
Applications-Columns-Reference Materials (pdf only)
- ☐ 59744 Massachusetts EPH/VPH/APH Methods
- ☐ 59879 Cool Tools! for GC and HPLC (pdf only)
- ☐ 59893C Inlet Supplies Guide
- ☐ 59894A HPLC Technical Tips Wall Chart
- ☐ 59989A Clinical/Forensics Catalog
- ☐ 580026 Clinical/Forensics In-Review