

A close-up photograph of a stainless steel HPLC column. The column is oriented diagonally from the top left towards the bottom right. A hexagonal metal cap is attached to the end of the column, featuring the word "RESTEK" in a bold, sans-serif font. The background is a soft, out-of-focus blue. The overall image conveys a sense of precision and scientific quality.

GC/HPLC Applications



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GC Applications by Phase

GC Applications by Phase (Alphabetical Order)

Fused Silica &

WCOT Stainless Steel

FAMEWAX™

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MXT®-1 Sim Dist

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MXT®-1HT Sim Dist

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MXT®-500 Sim Dist

hydrocarbons (high temp.)707

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flavors / fragrances666

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Rt-βDEXsm™

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Rt-γDEXsm™

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Rt-TCEP™

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chlorophenoxyacid herbicides623

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Rtx®-5 Amine

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amines / phenols40, 743

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Rtx®-5MS

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polynuclear aromatic hydrocarbons591

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endocrine disruptors640

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explosives641

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glycols652

haloacetic acids654

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GC Applications by Phase (cont.)

Stabilwax®

| | |
|-------------------------------|--------------------|
| acrylamide | .686 |
| amines / alcohols / chlorides | .745 |
| essential oils | .53, 677, 679, 680 |
| FAMES | .672 |
| flavor volatiles | .681 |
| glycols | .653 |
| volatiles | .586 |

Stabilwax®-DA

| | |
|--------------------|---------------|
| creylic acids | .747 |
| fatty acids (free) | .667, 668 |
| flavor volatiles | .54, 682, 684 |

Stabilwax®-DB

| | |
|-----------|---------------|
| amines | .55, 744, 745 |
| volatiles | .586 |

Stx™-500

| | |
|--|------|
| polybrominated diphenyl ethers (PBDEs) | .636 |
|--|------|

Stx™-CLPesticides / Stx™-CLPesticides2

| | |
|---------------------------|----------|
| organochlorine pesticides | .61, 608 |
|---------------------------|----------|

XTI®-5

| | |
|---------|------|
| sterols | .691 |
|---------|------|

Micropacked & PLOT**HayeSep® Q**

| | |
|----------|------|
| solvents | .741 |
|----------|------|

Rt-Alumina™ PLOT

| | |
|-------------------|----------|
| hydrocarbon gases | .93, 701 |
|-------------------|----------|

Rt-MSieve™ 5A PLOT

| | |
|-----------------|-----------|
| permanent gases | .696, 697 |
|-----------------|-----------|

Rt-MSieve™ 13X PLOT

| | |
|-------------------|------|
| permanent gases | .696 |
| hydrocarbon gases | .698 |

Rt-QPLOT™

| | |
|-------------------|----------|
| alcohols | .742 |
| fatty acids | .667 |
| hydrocarbon gases | .698-700 |
| permanent gases | .697 |
| solvents | .95, 741 |

Rt-UPLLOT™

| | |
|-------------------|------|
| hydrocarbon gases | .698 |
| solvents | .741 |

Rt-Sulfur™

| | |
|------------------|------|
| sulfur compounds | .711 |
|------------------|------|

Rt-XLSulfur™

| | |
|----------------------|-----------|
| sulfur compounds | .103, 711 |
| sulfurs in beverages | .687 |

Rtx®-1 on Chromosorb® WAW

| | |
|--|------|
| hydrocarbons (motor oil, aviation gas) | .703 |
|--|------|

ShinCarbon ST

| | |
|-------------------|-----------|
| fluorocarbons | .698 |
| hydrocarbon gases | .696, 700 |
| permanent gases | .102, 696 |
| sulfur compounds | .710 |

10% TCEP

| | |
|------------------------|------|
| aromatics / aliphatics | .703 |
|------------------------|------|

20% TCEP

| | |
|--|------|
| hydrocarbons (motor oil, aviation gas) | .703 |
|--|------|

Packed**CarboBlack™ B**

| | |
|------------------|------|
| blood alcohol | .714 |
| flavor volatiles | .683 |

5% Krytox® / CarboBlack™ B

| | |
|---------------------|------|
| chlorofluorocarbons | .746 |
|---------------------|------|

Rt-1200 / Bentone® 34

| | |
|------------------|------|
| aromatics (BTEX) | .702 |
|------------------|------|

Rtx®-1 SimDist 2887

| | |
|------------------------|-----------|
| simulated distillation | .708, 709 |
|------------------------|-----------|

EPA Methods Chart

EPA 500 Series Methods

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| 502.2 | Volatile Organic Compounds | .581 |
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| 506 | Semivolatiles Organics | .588, 589 |
| 515 | Chlorophenoxyacid Herbicides | .622, 625 |
| 524 | Volatile Organics | .585 |
| 525 | Semivolatiles Organics | .601 |
| 526 | Semivolatiles Organics (screening) | .595 |
| 528 | Phenols | .595 |
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EPA 600 Series Methods

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| 604 | Phenols | .587 |
| 605 | Benzidines | www.restek.com |
| 606 | Phthalate Esters | www.restek.com |
| 607 | Nitrosamines | www.restek.com |
| 609 | Nitroaromatics & Isophorone | www.restek.com |
| 610 | Polynuclear Aromatic Hydrocarbons | .590, 591 |
| 611 | Haloethers | www.restek.com |
| 612 | Chlorinated Hydrocarbons | www.restek.com |
| 615 | Chlorophenoxyacid Herbicides | .623 |
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EPA 8000 Series Methods

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| 8081 | Chlorinated Pesticides | .604-607, 608-612 |
| 8095 | Explosives | .642 |
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| 8141A | Organophosphorus Pesticides | .613-616 |

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CLP Methods

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| OLC 03.2 | Volatile Organics | www.restek.com |
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| IX | Semivolatiles Organics | .600 |
| 1671 | Volatile Organics | .586 |
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Searching for a chromatogram?

www.restek.com