

BPX50 50 % PHENYL COLUMN

- Ideal for GC/MS application
 - Exceptionally low column bleed even at 350 °C
 - Alternative confirmation column for EPA & Pharmaceutical methods
 - Stable to 330 °C/350 °C
 - Excellent chromatographic inertness
- Replacement for: OV-17, SP-2250, DB-17MS, DB-17ht, Rtx-50, SPB-50, HP-50+ and HP-17

OPERATING TEMPERATURES

Minimum Temp: 40 °C
 Maximum Cycling Temp: 350 °C
 Maximum Continuous Temp: 330 °C

APPLICATION AREAS

Various EPA methods, ie. 604, 608, 8060, 8081; triazines/ herbicides, drug screening, steroids and a variety of pharmaceutical applications.

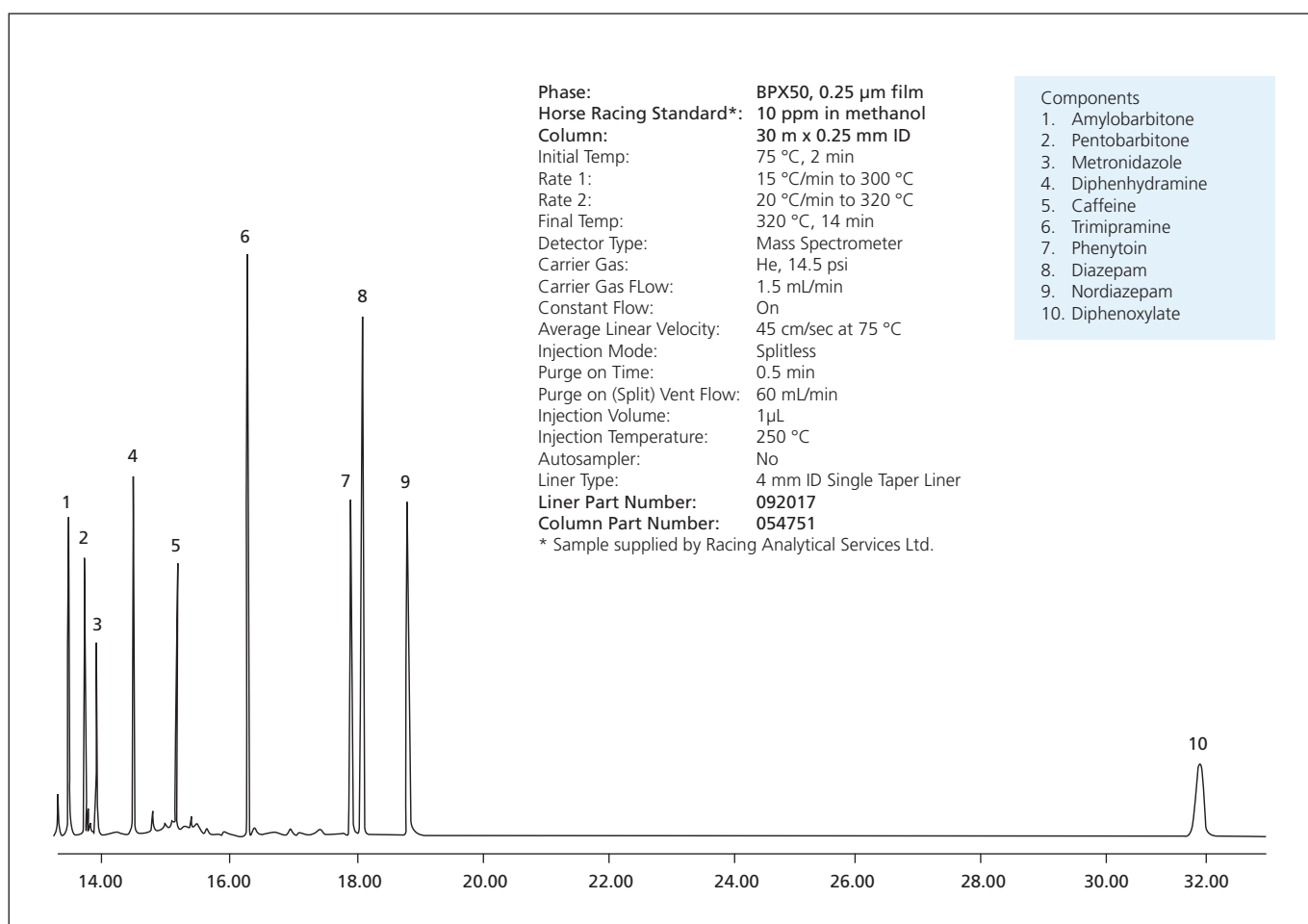


Figure 1: Horse Racing Drug Standard

SELECTIVITY

The BPX50 (50 % phenyl polysilphenylene-siloxane) column is the ultimate medium polarity column. It offers the lowest bleed levels possible while providing excellent chromatographic inertness.

Offering operating temperatures and column bleed levels more typical of the high performance MS grade non-polar 5 % phenyl polysiloxane columns, BPX50 is the ideal choice for the confirmation of EPA and pharmaceutical applications. The BPX50 can also be used as the primary analytical column for many applications.

Historically, low column bleed and high operating temperatures have been a fundamental problem with 50% phenyl columns, often limiting their use in GC/MS application. BPX50 has overcome these limitations, allowing EPA methods 604, 608, 8060, 8081, triazines/herbicides, drug screening, steroids and a variety of pharmaceutical applications to be routinely analysed.

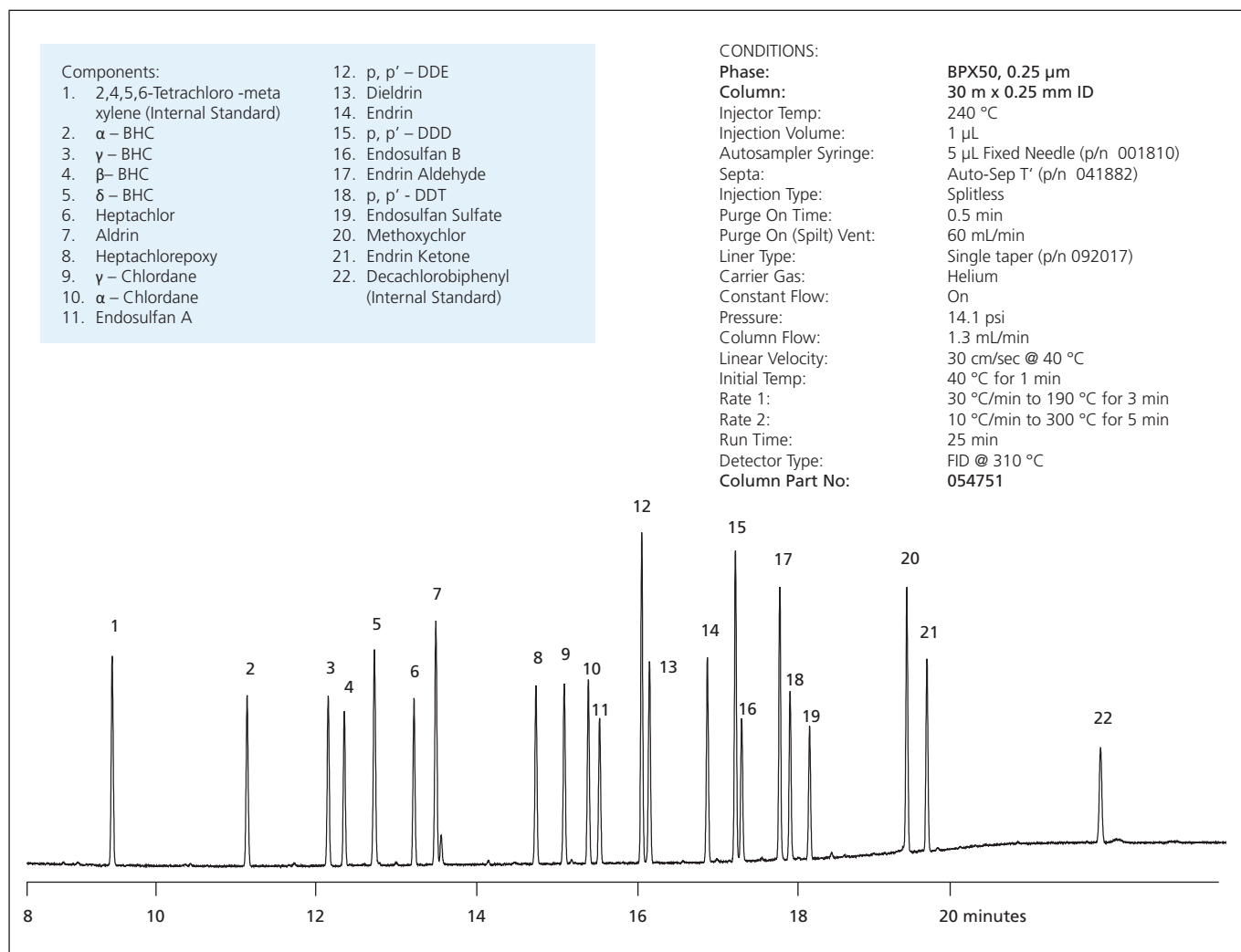


Figure 2. EPA Method 8081 Organochlorine Pesticides

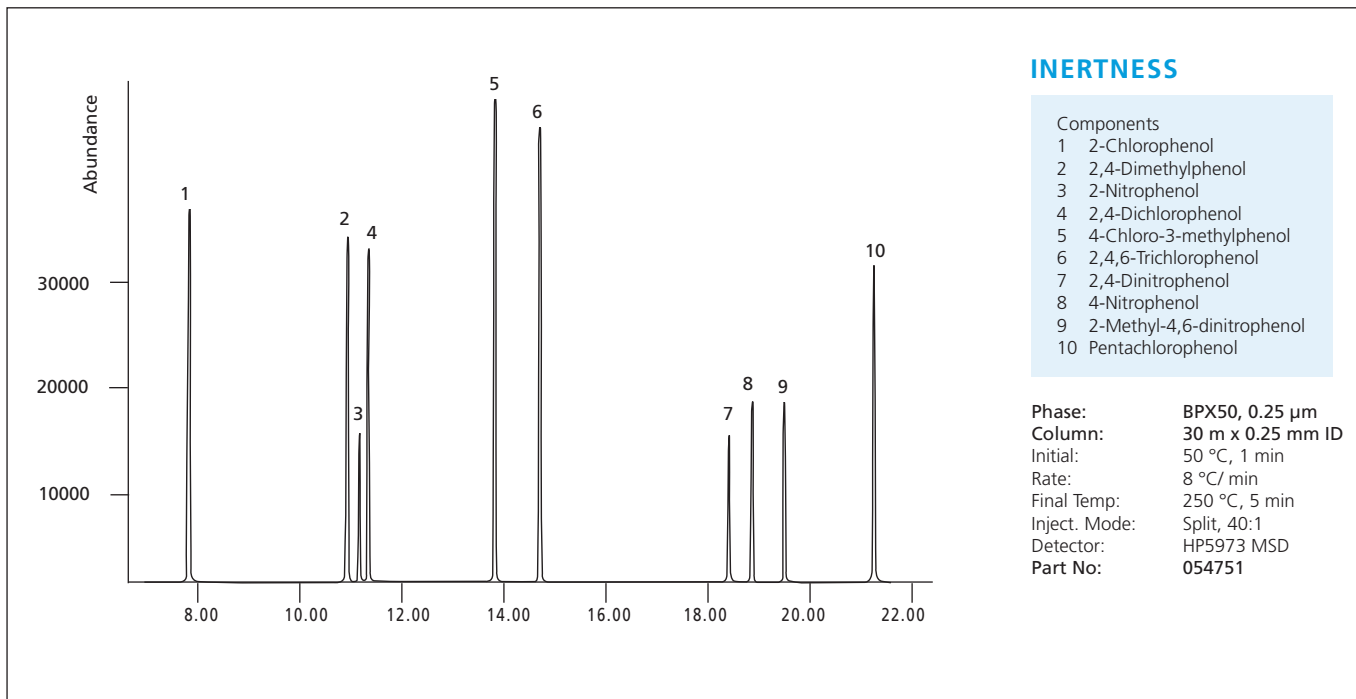


Figure 3. Analysis of EPA Phenols - 5 ng/component

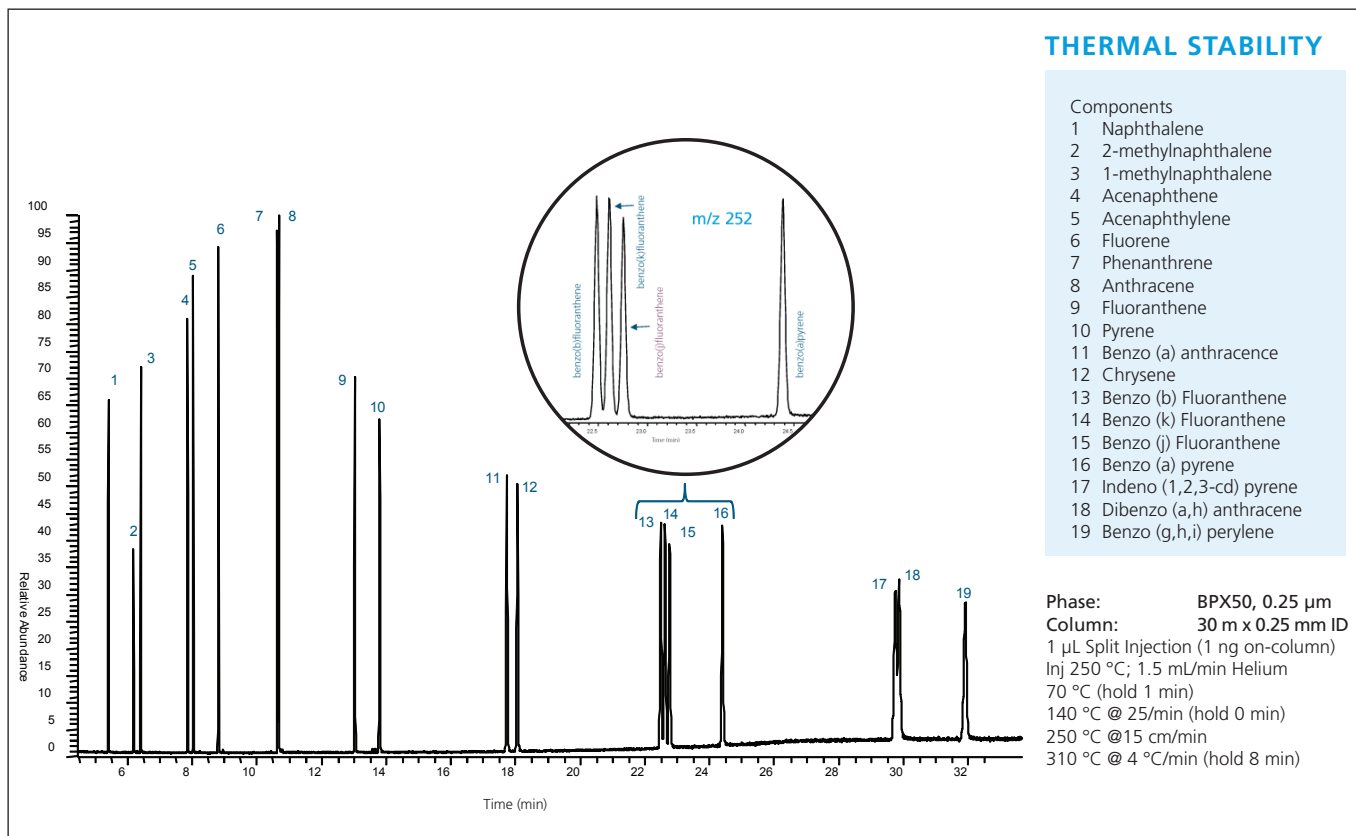


Figure 4. Expanded PAH Analysis, Nineteen Component - Total Ion Chromatogram (TIC), with critical separation highlighted.

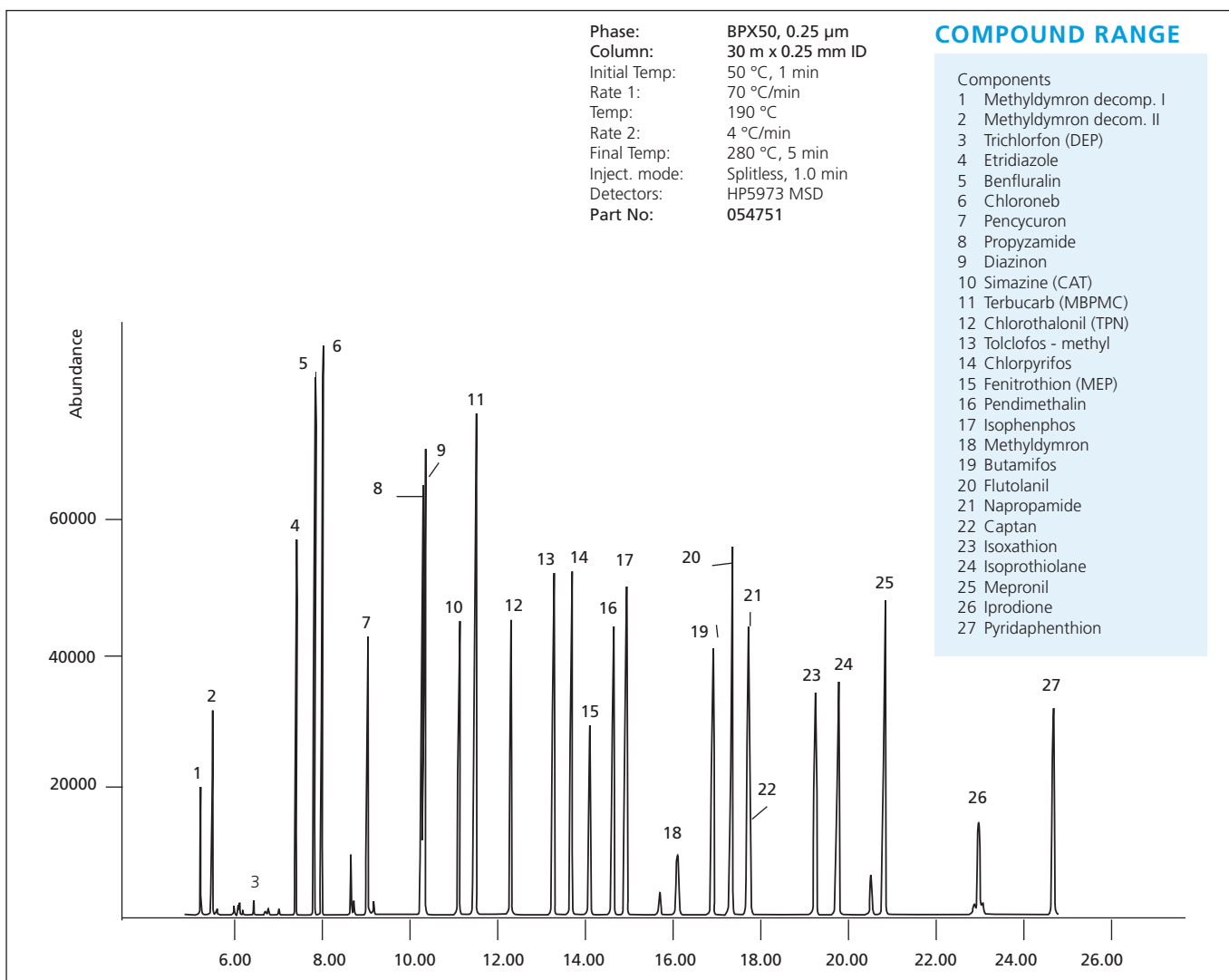
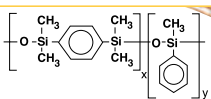


Figure 5. Analyses of some commonly used Herbicides & Pesticides

ORDERING INFORMATION - Phase Type BPX50

ID (mm)	Film Thickness (µm)	10 metre Part No.	15 metre Part No.	30 metre Part No.	60 metre Part No.
0.1	0.05	054739	-	-	-
0.1	0.07	054738	-	-	-
0.1	0.1	054740	-	-	-
0.15	0.15	-	-	054741	-
0.25	0.25	-	054750	054751	054752
0.32	0.25	-	054760	054761	054762
0.53	0.5	-	054770	054771	-
0.53	1	-	-	054772	-

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BPX50

- Mid polarity.
- Inert.
- Low bleed.
- High temperature.
- Ideal for a range of EPA methods and pharmaceutical applications.
- 330/350 °C upper temperature limit.
- Bonded and cross-linked.
- Able to be solvent rinsed.

GC Columns and Applications

Especially Suitable for these Industries:



Application Areas:

EPA methods 604, 608, 8060, 8081, triazines/herbicides, drug screening, steroids and a variety of pharmaceutical applications GC2D. Applications ENV62, ENV45, ENV65, PHA19.

Suitable Replacement for:

OV-17, SP-2250, DB-17, DB-17ms, DB-17ht, Rtx-50, SPB-50, HP-50+, HP-17.

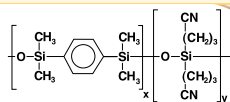
Expert Tip :

When installing your column into an FID jet, never pass the column through the flame. This will burn the inner (phase) and outer (polyimide) coatings and will cause higher background signals.



ID (mm)	Film Thickness (µm)	Length (m)	Temperature Limits (°C)	Part No.
0.1	0.05	10	80 to 330/350	054739
0.1	0.07	10	80 to 330/350	054738
0.1	0.1	10	80 to 330/350	054740
0.15	0.15	30	80 to 330/350	054741
0.25	0.25	15	80 to 330/350	054750
0.25	0.25	30	80 to 330/350	054751
0.25	0.25	60	80 to 330/350	054752
0.32	0.25	15	80 to 330/350	054760
0.32	0.25	30	80 to 330/350	054761
0.32	0.25	60	80 to 330/350	054762
0.53	0.5	15	80 to 330/350	054770
0.53	0.5	30	80 to 330/350	054771
0.53	1.0	30	80 to 330/350	054772

GC Capillary Columns | 70% Cyanopropyl Polysilphenylene-siloxane



BPX70

- High temperature.
- Custom designed for separation of Fatty Acid Methyl Esters (FAMES).
- Industry standard column for FAME analysis.
- Polar phase.
- Long operating life.
- 250/260 °C upper temperature limit.
- Bonded and cross-linked.
- Able to be solvent rinsed.

Especially Suitable for these Industries:



Application Areas:

Fatty acid methyl esters (FAMES), carbohydrates, pharmaceuticals, GC/MS applications. Applications FOO02, FOO04.

Suitable Replacement for:

DB-23, Rtx-2330, SP-2330, CP-Sil 88, SP2380, HP-23.