

HPLC Application

ID No.: 18677

EPA 604 - Fast Separation of Phenols Mixture Using Kinetex 2.6µm C18 50 x 4.6 mm

Column: Kinetex[®] 2.6 µm C18 100 Å, LC Column 50 x 4.6 mm, Ea

Dimensions: 50 x 4.6 mm ID

Order No: 00B-4462-E0

Elution Type: Gradient

Eluent A: Water with 0.1% H₃PO₄

Eluent B: Acetonitrile with 0.1% H₃PO₄

| Gradient Profile: | Step No. | Time (min) | Pct A | Pct B |
|--------------------------|-----------------|-------------------|--------------|--------------|
| | 1 | 0 | 75 | 25 |
| | 2 | 1.5 | 5 | 95 |

Flow Rate: 2.2 mL/min

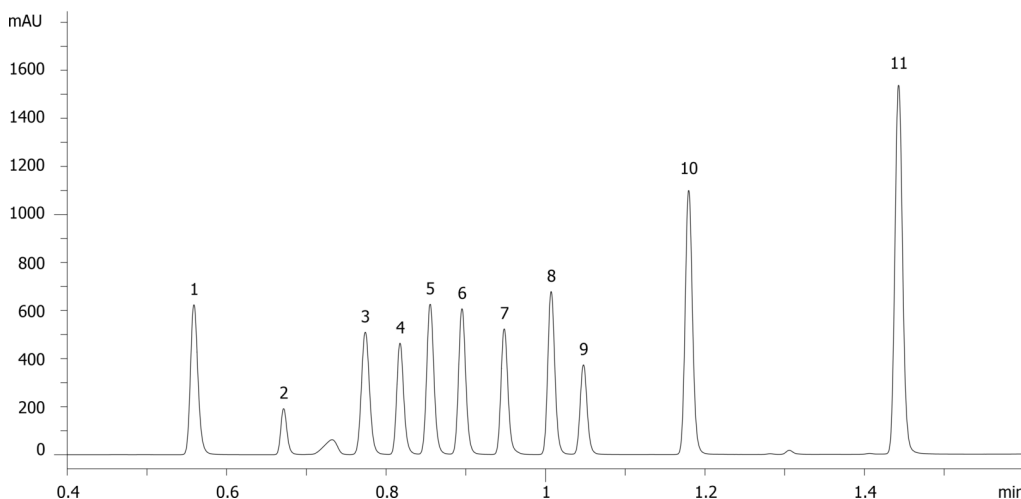
Col. Temp.: ambient

Detection: UV-Vis Abs.-Variable Wave.(UV) @ 214 nm (ambient)

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Products used in this application:



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ANALYTES:

- 1** Phenol
- 2** 4-Nitrophenol
- 3** 2-Chlorophenol
- 4** 2-Nitrophenol
- 5** 2,4-Dimethylphenol
- 6** 2,4-Dinitrophenol
- 7** 4-Chloro-3-methylphenol
- 8** 2,4-Dichlorophenol
- 9** 2-Methyl-4,6-dichlorophenol
- 10** 2,4,6-Trichlorophenol
- 11** Pentachlorophenol

