

# HPLC Application

ID No.: 18672

## EPA 604 - Phenols Mixture 2 - using Kinetex 2.6µm C18 150 x 4.6mm ID

**Column:** Kinetex® 2.6 µm C18 100 Å, LC Column 150 x 4.6 mm, Ea

**Dimensions:** 150 x 4.6 mm ID

**Order No:** 00F-4462-E0

**Elution Type:** Gradient

**Eluent A:** Water with 0.1% H3PO4

**Eluent B:** Acetonitrile with 0.1% H3PO4

<b>Gradient Profile:</b>	<b>Step No.</b>	<b>Time (min)</b>	<b>Pct A</b>	<b>Pct B</b>
	<b>1</b>	0	80	20
	<b>2</b>	5	5	95

**Flow Rate:** 1 mL/min

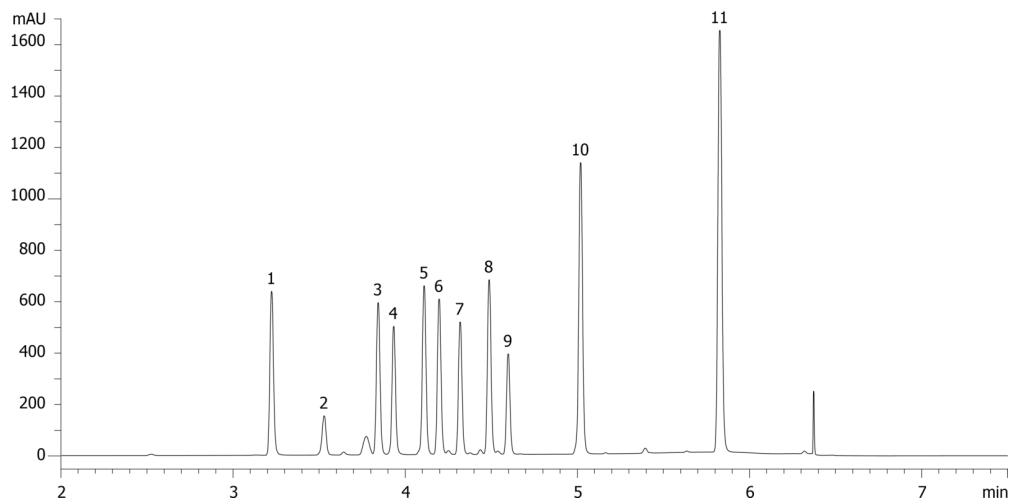
**Col. Temp.:** ambient

**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

