HPLC Application

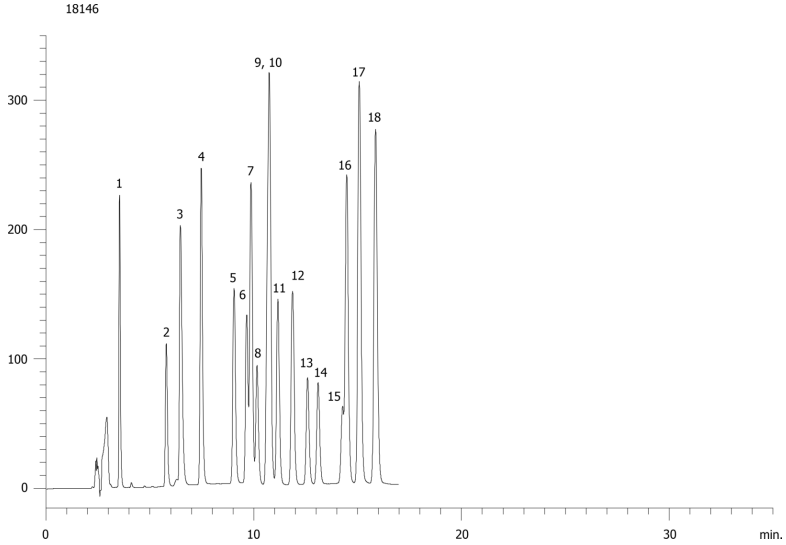
ID No.: **18146**

EPA Method 8330: Explosive Mix Using Synergi Hydro-RP

Column: Synergi™ 4 µm Hydro-RP 80 Å, LC Column 250 x 4.6 mm, Ea
Dimensions: 250 x 4.6 mm ID
Order No: 00G-4375-E0
Elution Type: Gradient
Eluent A: Methanol
Eluent B: 20mM KH2PO4-pH=2.5

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	55	45
	2	2	55	45
	3	12	65	35
	4	22	65	35

Flow Rate: 1 mL/min
Col. Temp.: 25 °C
Detection: UV-Vis Abs.-Variable Wave.(UV) @ 254 nm (ambient)
Analyst Note: 100ul of 100ug/ml 17 component mix was diluted with 900ul of 50:50 Methanol/water



For more information contact your Phenomenex Representative at info@phenomenex.com

Phenomenex products are available worldwide.

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ANALYTES:

1 Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)
2 Hexahydro-1,3,5-trinitro-1,3,5-triazine
3 Picric acid
4 1,3,5-Trinitrobenzene (1,3,5-TNB)
5 Methyl-2,4,6-trinitrophenylnitramine
6 1,3-Dinitrobenzene (1,3-DNB)
7 Nitrobenzene
8 Nitroglycerin
9 2,4,6-Trinitrotoluene (2,4,6-TNT)
10 3,5-Dinitroaniline
11 4-Amino-2,6-dinitrotoluene
12 2-Amino-4,6-dinitrotoluene
13 2,6-Dinitrotoluene (2,6-DNT)
14 2,4-Dinitrotoluene (2,4-DNT)
15 Pentaerythritol tetranitrate (PETN)
16 2-Nitrotoluene
17 4-Nitrotoluene
18 3-Nitrotoluene