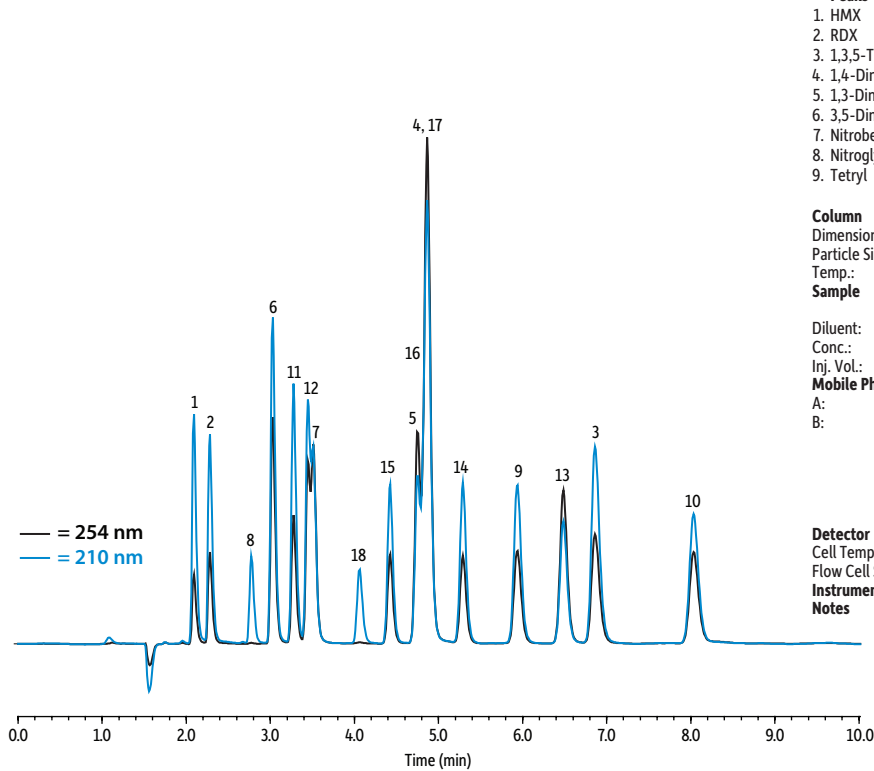


# Explosives on Raptor™ Biphenyl by EPA Method 8330B



LC\_EV0531

## Peaks

1. HMX
2. RDX
3. 1,3,5-Trinitrobenzene
4. 1,4-Dinitrobenzene
5. 1,3-Dinitrobenzene
6. 3,5-Dinitroaniline
7. Nitrobenzene
8. Nitroglycerin
9. Tetryl

## Peaks

10. 2,4,6-Trinitrotoluene
11. 2-Amino-4,6-dinitrotoluene
12. 4-Amino-2,6-dinitrotoluene
13. 2,4-Dinitrotoluene
14. 2,6-Dinitrotoluene
15. 2-Nitrotoluene
16. 4-Nitrotoluene
17. 3-Nitrotoluene
18. PETN

## Column

Dimensions: 150 mm x 4.6 mm ID  
Particle Size: 2.7 µm  
Temp.: 35 °C

## Sample

Diluent: Water  
Conc.: 20 µg/mL  
Inj. Vol.: 5 µL

## Mobile Phase

A: Water  
B: Methanol

Raptor™ Biphenyl (cat.# 9309A65)

150 mm x 4.6 mm ID

2.7 µm

35 °C

8330B Nitroaromatics and nitramine mix (cat.# 33204)

1,4-Dinitrobenzene (cat.# 33205)

Water

20 µg/mL

5 µL

Water

Methanol

Time (min)	Flow (mL/min)	%A	%B
0.00	1.0	30	70
10	1.0	30	70

## Detector

Cell Temp: 35 °C  
Flow Cell Size: Semi-micro  
Instrument: Shimadzu Prominence

UV/Vis @ 210/254 nm

35 °C

Semi-micro

Shimadzu Prominence

This is the recommended primary column for a two-column analysis.

See LC\_EV0530 for the confirmation column.