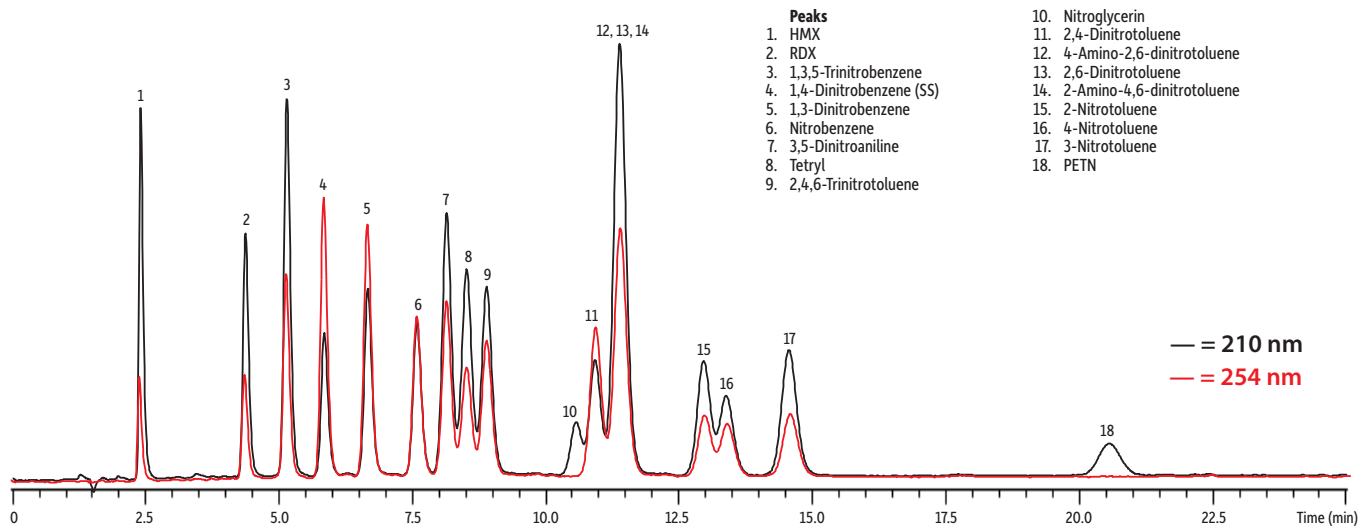


## Explosives by EPA 8330B on Ultra C8 with Trident Direct Guard Column



- Peaks**
- |                            |                                |
|----------------------------|--------------------------------|
| 1. HMX                     | 10. Nitroglycerin              |
| 2. RDX                     | 11. 2,4-Dinitrotoluene         |
| 3. 1,3,5-Trinitrobenzene   | 12. 4-Amino-2,6-dinitrotoluene |
| 4. 1,4-Dinitrobenzene (SS) | 13. 2,6-Dinitrotoluene         |
| 5. 1,3-Dinitrobenzene      | 14. 2-Amino-4,6-dinitrotoluene |
| 6. Nitrobenzene            | 15. 2-Nitrotoluene             |
| 7. 3,5-Dinitroaniline      | 16. 4-Nitrotoluene             |
| 8. Tetryl                  | 17. 3-Nitrotoluene             |
| 9. 2,4,6-Trinitrotoluene   | 18. PETN                       |

— = 210 nm  
 — = 254 nm

LC\_EV0526

**Column** Ultra C8 (cat.# 9103565)  
**Dimensions:** 150 mm x 4.6 mm ID  
**Particle Size:** 5 µm  
**Pore Size:** 100 Å  
**Temp.:** 30 °C  
**Sample** 8330B Nitroaromatics and nitramine mix (cat.# 33204)  
 1,4-Dinitrobenzene (cat.# 33205)  
**Diluent:** Deionized water  
**Conc.:** 20 µg/mL  
**Inj. Vol.:** 10 µL

**Mobile Phase** Water:methanol (52:48)  
**Flow:** 1.2 mL/min  
**Detector** UV/Vis @ 210/254 nm  
**Instrument** Shimadzu UFLCxr  
**Notes** Trident direct 10 mm in-line guard cartridge holder (cat.# 25083)  
 Ultra C8 10 mm x 4 mm guard cartridge (cat.# 910350210)

This is the recommended primary column for a 2 column analysis.  
 See LC\_EV0527 for the confirmation column.

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