

Method 8330 (Nitroaromatics and Nitramines by HPLC) *cont'd*

**Single-Component Explosives Solutions**

Volume is 1mL/ampul. Concentration is µg/mL.

Compound	Solvent	Conc.	cat.# (ea.)	price
2-amino-4,6-dinitrotoluene	ACN	1,000	31670	
4-amino-2,6-dinitrotoluene	ACN	1,000	31671	
ammonium picrate*	ACN	2,000	31890	
3,5-dinitroaniline	ACN	1,000	31661	
1,2-dinitrobenzene	M	1,000	31453	
1,3-dinitrobenzene	ACN	1,000	31662	
2,4-dinitrotoluene	ACN	1,000	31663	
2,6-dinitrotoluene	ACN	1,000	31664	
3,4-dinitrotoluene	EA	2,000	33901	
3,4-dinitrotoluene	M	1,000	31452	
EGDN*	M	1,000	31601	
HMX*	ACN	1,000	31665	
2-methyl-4-nitroaniline	M	1,000	31612	
nitrobenzene	ACN	1,000	31657	
nitroglycerin*	M	1,000	31498	
nitroguanidine*	M	1,000	31602	
2-nitrotoluene	ACN	1,000	31659	
3-nitrotoluene	ACN	1,000	31660	
4-nitrotoluene	ACN	1,000	31658	
PETN (pentaerythritol tetranitrate)*	M	1,000	31600	
picric acid*	M	1,000	31499	
propylene glycol dinitrate (PGDN)	M	1,000	31821	
RDX*	ACN	1,000	31666	
tetryl*	ACN	1,000	31667	
1,3,5-trinitrobenzene*	ACN	1,000	31668	
2,4,6-trinitrotoluene*	ACN	1,000	31669	

ACN = acetonitrile; EA = ethyl acetate; M = methanol

\*Meet all DOT requirements. Available only to customers or distributors inside the 48 contiguous United States; items may not be resold for export.

**8330 Nitroaromatics Kit (1,000µg/mL)**

Contains 1mL each of these mixtures.

- 31450: 8330 Calibration Mix #1
- 31451: 8330 Calibration Mix #2
- 31452: 8330 Internal Standard Mix
- 31453: 8330 Surrogate Mix



cat. # 31454 (kit)

Quantity discounts not available.

**also available**

Ultra II® Aromax HPLC columns, **page 161**

Ultra C18 HPLC columns, **page 182**



**also available**

See materials for GC Method 8095 on **pages 473-474**.

**Ultra II® Aromax columns separate all 17 target compounds and can be used alone (MS) or with a confirmation column (UV).**

- |                               |                           |
|-------------------------------|---------------------------|
| 1. HMX                        | 10. PETN                  |
| 2. RDX                        | 11. 4-nitrotoluene        |
| 3. nitroglycerin              | 12. 1,3-dinitrobenzene    |
| 4. nitrobenzene               | 13. 2,6-dinitrotoluene    |
| 5. 4-amino-2,6-dinitrotoluene | 14. tetryl                |
| 6. 3,5-dinitroaniline         | 15. 2,4-dinitrotoluene    |
| 7. 2-nitrotoluene             | 16. 1,3,5-trinitrobenzene |
| 8. 2-amino-4,6-dinitrotoluene | 17. 2,4,6-trinitrotoluene |
| 9. 3-nitrotoluene             |                           |



**free literature**

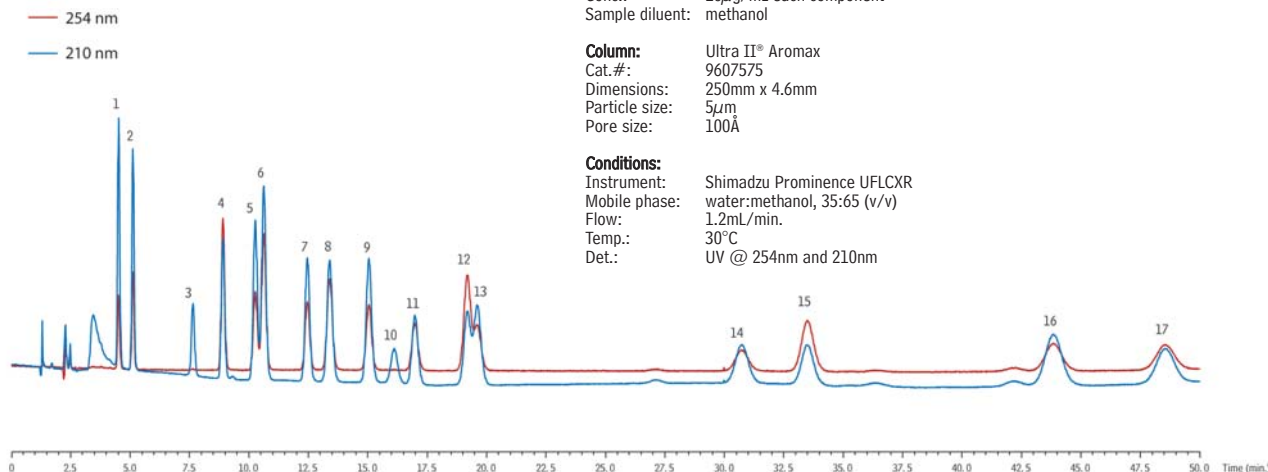
For more information, download our *Analysis of Explosives by Liquid Chromatography* applications note from **www.restek.com**  
**lit. cat.# EVAN1176**

**Sample:** 8330B Nitroaromatics and Nitramine Mix (cat.# 33204)

**Inj.:** 10µL  
**Conc.:** 10µg/mL each component  
**Sample diluent:** methanol

**Column:** Ultra II® Aromax  
**Cat.#:** 9607575  
**Dimensions:** 250mm x 4.6mm  
**Particle size:** 5µm  
**Pore size:** 100Å

**Conditions:**  
**Instrument:** Shimadzu Prominence UFLCXR  
**Mobile phase:** water:methanol, 35:65 (v/v)  
**Flow:** 1.2mL/min.  
**Temp.:** 30°C  
**Det.:** UV @ 254nm and 210nm



LC\_EV0484



www.restek.com

485