

## Explosives

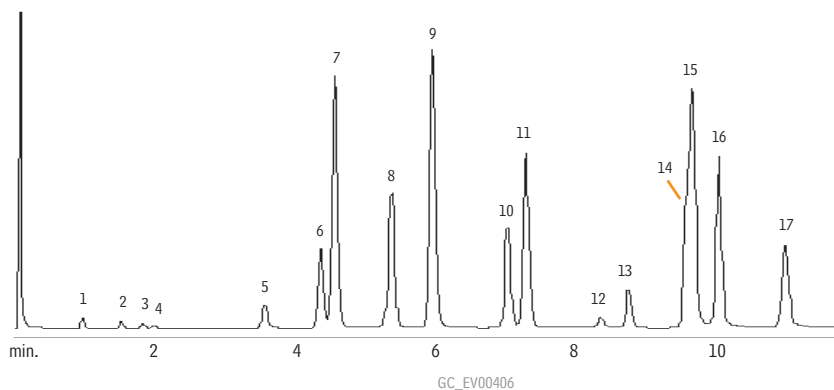
### US EPA Method 8095

### Rtx®-TNT & Rtx®-TNT2

restek  
innovation!

Improved resolution of  
nitroaromatic compounds such  
as those listed in US EPA  
Method 8095

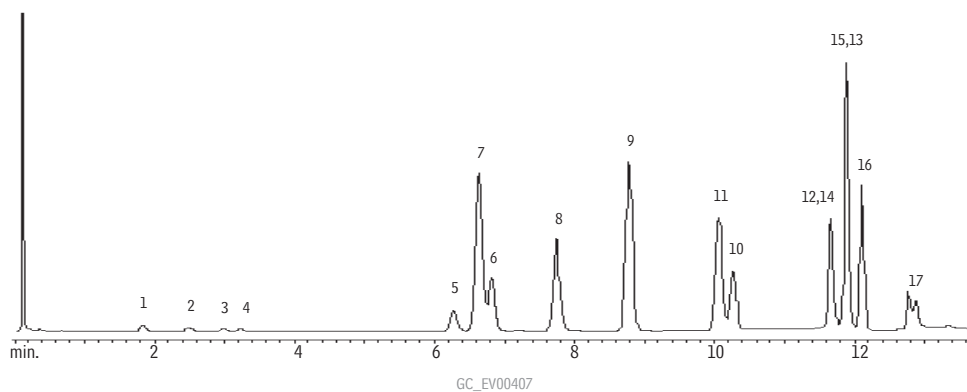
#### Rtx®-TNT



Column: Rtx®-TNT, 6m, 0.53mm ID, 1.50 $\mu$ m (cat.# 12998)  
Inj.: Direct injection using a 1mm Siltek® Uniliner® inlet liner (cat.# 21052-214.1)  
On-column conc.: est. 200-1000pg/compound. 8095 Calibration Mix A (cat.# 31607),  
8095 Calibration Mix B (cat.# 31608), and 3,4-dinitrotoluene (cat.# 31452)  
Oven temp.: 80°C (hold 1 min.) to 180°C @ 10°C/min. to 300°C @  
30°C/min. (hold 3 min.)  
Inj. temp.: 250°C  
Det.: ECD @ 330°C with anode purge  
Dead time: 4.4 sec.  
Head pressure: helium @ 3psi (20.7 KPa)  
Flow rate: helium @ 1.7mL/min. @ 80°C

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

#### Rtx®-TNT2



Column: Rtx®-TNT2, 6m, 0.53mm ID, 1.50 $\mu$ m (cat.# 12999)  
Inj.: Direct injection using a 1mm Siltek® Uniliner® (cat.# 21052-214.1)  
On-column conc.: est. 200-1000pg/compound. 8095 Calibration Mix A (cat.# 31607),  
8095 Calibration Mix B (cat.# 31608), and 3,4-dinitrotoluene (cat.# 31452)  
Oven temp.: 80°C (hold 1 min.) to 180°C @ 10°C/min. to 300°C @  
30°C/min. (hold 3 min.)  
Inj. temp.: 250°C  
Det.: ECD @ 330°C with anode purge  
Dead time: 4.4 sec.  
Head pressure: helium @ 3psi (20.7 KPa)  
Flow rate: helium @ 1.7mL/min. @ 80°C