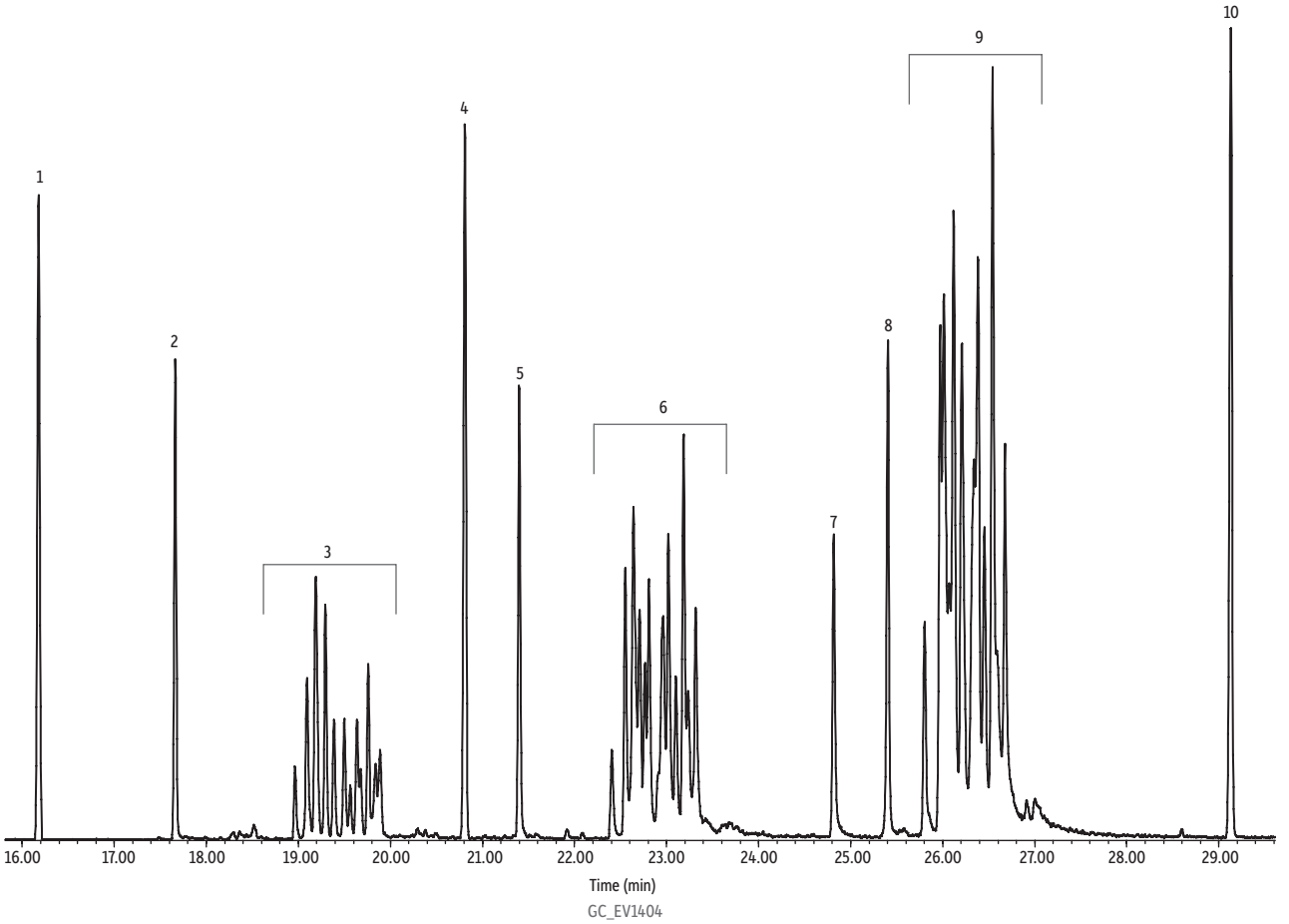
Nonylphenol, Bisphenol A, 4-*tert*-Octylphenol, Nonylphenol Monoethoxylate, and Nonylphenol Diethoxylate on Rxi®-XLB by ASTM D7065-11



Peaks	t_R (min)	Conc. (µg/mL)	On-Column (ng)
1. Acenaphthene-d10	16.2	25	2.5
2. 4-*tert*-Octylphenol	17.7	32	3.2
3. Nonylphenol	18.9–20.0	160	16
4. Phenanthrene-d10	20.8	25	2.5
5. 4-Nonylphenol	21.4	32	3.2
6. Nonylphenol monoethoxylate	22.3–24.2	320	32
7. 4-Nonylphenol monoethoxylate	24.8	32	3.2
8. Bisphenol A	25.4	32	3.2
9. Nonylphenol diethoxylate	25.7–27.7	640	64
10. Chrysene-d12	29.1	25	2.5

Column Rxi®-XLB, 30 m, 0.25 mm ID, 0.25 µm (cat.# 13723)
Sample Method 525.2 internal standard mix (cat.# 31825)
AccuStandard® nonylphenol calibration standard (cat.# M-1626)
Diluent: Dichloromethane
Conc.: See peak table for individual compound concentrations and amounts on-column.
Injection
Inj. Vol.: 1 µL split (split ratio 10:1)
Liner: Premium 4 mm Precision® liner w/wool (cat.# 23305.5)
Inj. Temp.: 250 °C
Oven
Oven Temp.: 45 °C (hold 1 min) to 305 °C at 8 °C/min (hold 1 min)
Carrier Gas He, constant flow
Flow Rate: 1.4 mL/min
Detector MS
Mode: Scan
Scan Program:

Group	Start Time (min)	Scan Range (amu)	Scan Rate (scans/sec)
1	2.15	35-550	5.4

Transfer Line Temp.: 300 °C
Analyzer Type: Quadrupole
Source Type: CI
Source Temp.: 300 °C
Quad Temp.: 150 °C
Ionization Mode: EI
Instrument Agilent 7890B GC & 5977A MSD

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