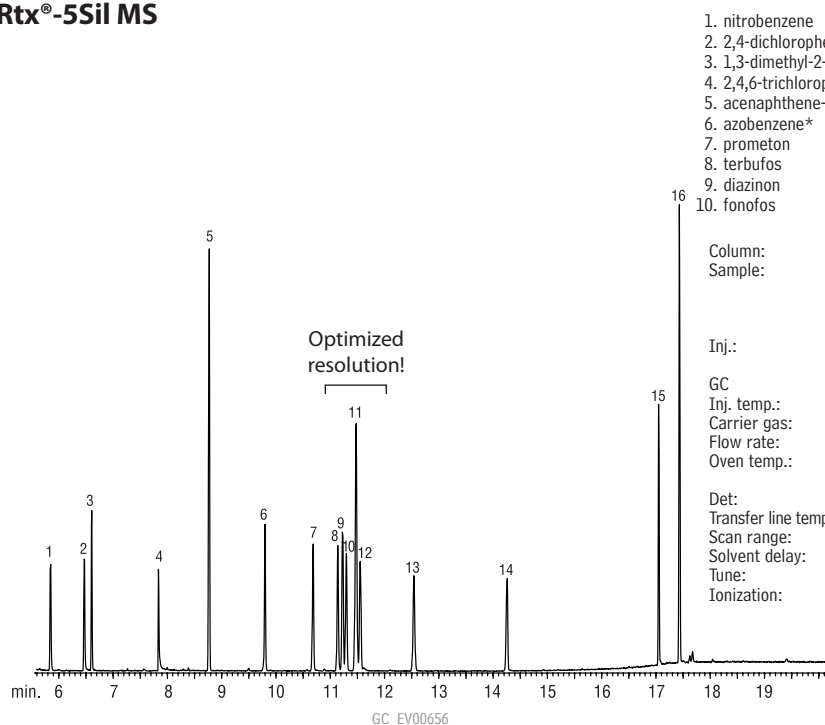


Semivolatile Organics US EPA Method 526 (Screening) Rtx®-5Sil MS

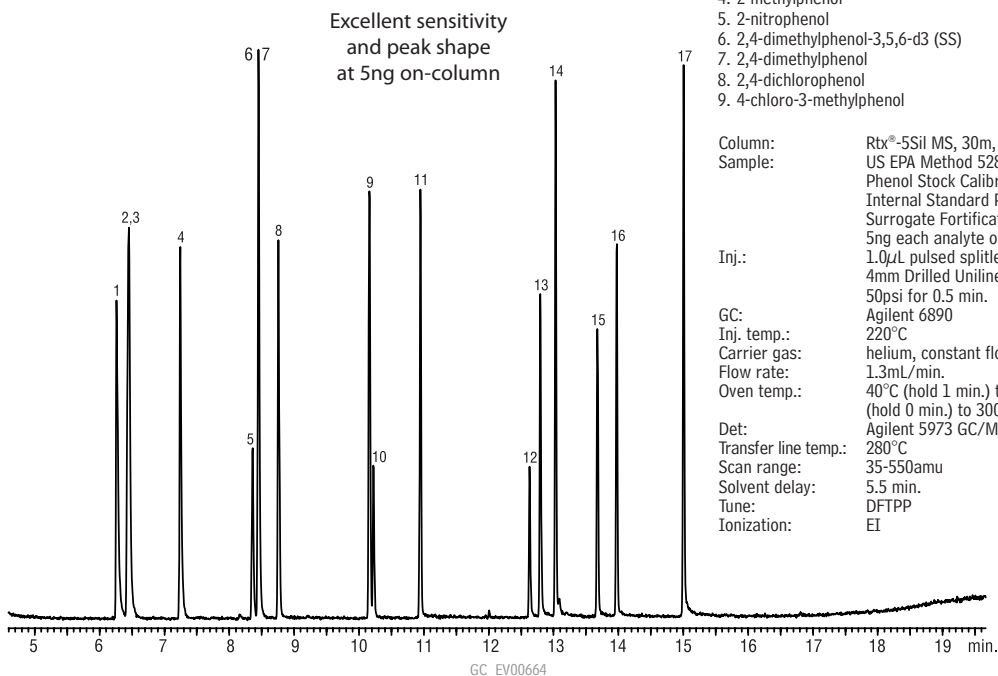


1. nitrobenzene
2. 2,4-dichlorophenol
3. 1,3-dimethyl-2-nitrobenzene (SS)
4. 2,4,6-trichlorophenol
5. acenaphthene-d10 (IS#1)
6. azobenzene*
7. prometon
8. terbufos
9. diazinon
10. fonofos
11. phenanthrene-d10 (IS#2)
12. disulfoton
13. acetochlor
14. cyanazine
15. triphenylphosphate (SS)
16. chrysene-d12

* Compound listed in method, 1,2-diphenylhydrazine, decomposes to azobenzene.

Column: Rtx®-5Sil MS, 30m, 0.25mm ID, 0.25 μ m (cat.# 12723)
 Sample: US EPA Method 526 Mix 1 μ L 10ppm (20ppm IS)
 Primary Dilution Standard/Semivolatiles/EPA 526 (cat.# 31691)
 Surrogate Standard/Method 526 (cat.# 31693)
 Internal Standard/Method 526 (cat.# 31692)
 Inj.: 1.0 μ L splitless (hold 0.3 min.),
 4mm Drilled Uniliner® inlet liner (cat.# 21055)
 GC: Agilent 6890
 Inj. temp.: 300°C
 Carrier gas: helium, constant flow
 Flow rate: 0.8mL/min.
 Oven temp.: 50°C (hold 1 min.) to 200°C @ 20°C/min. (hold 5 min.)
 to 310°C @ 30°C/min. (hold 3 min.)
 Det: Agilent 5973 GC/MS
 Transfer line temp.: 280°C
 Scan range: 35-550amu
 Solvent delay: 5.5 min.
 Tune: DFTPP
 Ionization: EI

Phenols US EPA Method 528 Rtx®-5Sil MS



1. phenol
2. 2-chlorophenol-3,4,5,6-d4 (SS)
3. 2-chlorophenol
4. 2-methylphenol
5. 2-nitrophenol
6. 2,4-dimethylphenol-3,5,6-d3 (SS)
7. 2,4-dimethylphenol
8. 2,4-dichlorophenol
9. 4-chloro-3-methylphenol
10. 1,2-dimethyl-3-nitrobenzene (IS#1)
11. 2,4,6-trichlorophenol
12. 2,4-dinitrophenol
13. 4-nitrophenol
14. 2,3,4,5-tetrachlorophenol (IS#2)
15. 2-methyl-4,6-dinitrophenol
16. 2,4,6-tribromophenol (SS)
17. pentachlorophenol

Column: Rtx®-5Sil MS, 30m, 0.25mm ID, 0.25 μ m (cat.# 12723)
 Sample: US EPA Method 528 Mix 1 μ L 5ppm standard
 Phenol Stock Calibration Solution (cat.# 31694)
 Internal Standard Phenols Method 528 (cat.# 31696)
 Surrogate Fortification Standard/Phenols (cat.# 31692)
 5ng each analyte on-column
 Inj.: 1.0 μ L pulsed splitless (hold 0.5 min.),
 4mm Drilled Uniliner® inlet liner (cat.# 21055), pulsed pressure
 50psi for 0.5 min.
 GC: Agilent 6890
 Inj. temp.: 220°C
 Carrier gas: helium, constant flow
 Flow rate: 1.3mL/min.
 Oven temp.: 40°C (hold 1 min.) to 220°C @ 12°C/min.
 (hold 0 min.) to 300°C @ 30°C/min. (hold 1 min.)
 Det: Agilent 5973 GC/MS
 Transfer line temp.: 280°C
 Scan range: 35-550amu
 Solvent delay: 5.5 min.
 Tune: DFTPP
 Ionization: EI