

Phenols & Benzidines

US EPA Methods 604 & 605

Rtx[®]-5

30m, 0.53mm ID, 1.5 μ m Rtx[®]-5 (cat.# 10270)
2.5 μ L direct injection of benzidines and phenols.
Concentration approximately 25ng per component.

Oven temp.: 40°C (hold 6 min.) to 300°C
@ 10°C/min. (hold 15 min.)
Inj. & det. temp.: 300°C
Carrier gas: hydrogen
Linear velocity: 80cm/sec. (flow rate: 10cc/min.)
FID sensitivity: 8 x 10⁻¹³ AFS

Reference Standard
604 Phenols Mix (cat. # 31029)
605 Benzidines Mix (cat.# 31030):

1. phenol
2. 2-chlorophenol
3. 2-nitrophenol
4. 2,4-dimethylphenol
5. 2,4-dichlorophenol
6. 4-chloro-3-methylphenol
7. 2,4,6-trichlorophenol
8. 2,4-dinitrophenol
9. 4-nitrophenol
10. 2-methyl-4,6-dinitrophenol
11. pentachlorophenol
12. benzidine
13. 3,3'-dichlorobenzidine

