

# Aromatics in Finished Gasoline

Column: DB-1  
60 m x 0.25 mm I.D., 1.0 µm  
J&W P/N: 122-1063

Carrier: Helium at 35 cm/sec,  
measured at 50°C  
Oven: 50°C for 1 min  
50-190°C at 2°/min  
190°C for 1 min  
Injector: Split 1:100, 250°C,  
0.3 µL unleaded gasoline  
Detector: MSD  
Calibration: MSD  
Standard: AccuStandard ASTM/EPA gasoline  
refinery aromatics calibration  
standard kit (M-GRA-CAL/IS-SET)

1. Methyl-*tert*-butyl-ether (MTBE)
2. *n*-Hexane
3. Benzene-d6 (IS)
4. Benzene
5. Isooctane
6. *n*-Heptane
7. Toluene
8. *n*-Octane
9. Ethylbenzene-d10 (IS)
10. Ethylbenzene
11. *m*-Xylene
12. *p*-Xylene
13. *o*-Xylene
14. *n*-Propylbenzene
15. 1-Methyl-3-ethylbenzene
16. 1-Methyl-4-ethylbenzene
17. 1,3,5-Trimethylbenzene
18. 1-Methyl-2-ethylbenzene
19. 1,2,4-Trimethylbenzene
20. *n*-Decane
21. 1,2,3-Trimethylbenzene
22. Indan
23. 1,4-Diethylbenzene
24. *n*-Butylbenzene (valley)
25. 1,2-Diethylbenzene
26. 1,2,4,5-Tetramethylbenzene
27. 1,2,3,5-Tetramethylbenzene
28. Naphthalene-d8 (IS)
29. Naphthalene
30. *n*-Dodecane
31. Pentamethylbenzene
32. 2-Methylnaphthalene
33. 1-Methylnaphthalene

