

Volatile Sulfur Compounds

Column: GS-GasPro, 30 m x 0.32 mm I.D.
J&W P/N: 113-4332
Carrier: Helium at 10 psig
(16 cm/sec measured off COS at 80°C)
Oven: 80°C for 2.5 min,
80° to 260° at 15°/min,
260° for 8 min
Injector: Split 1:10, 200°C,
1000 µL of sulfur gas standard,
3 ppmV each component
Detector: PFPD (OI Analytical), 270°C

*J&W wishes to thank Air Toxics, Ltd. (Folsom, CA)
for providing the standard mixture shown
in this chromatogram.*

1. Carbonyl sulfide
2. Hydrogen sulfide
3. Carbon disulfide
4. Methyl mercaptan
5. Ethyl mercaptan
6. Thiophene
7. Dimethyl sulfide
8. 2-Propanethiol
9. 1-Propanethiol
10. 2-Methyl-2-propanethiol
11. 2-Methyl-1-propanethiol
12. Ethyl methyl sulfide
13. 1-Butanethiol
14. 3-Methylthiophene
15. Methyl disulfide
16. Diethyl sulfide
17. 2-Ethylthiophene
18. 2,5-Dimethylthiophene
19. Tetrahydrothiophene
20. Ethyl disulfide

