

Garlic Oil

Column: DB-5ms

30 m x 0.25 mm I.D., 0.5 μ m

J&W P/N: 122-5536

Guard Column: 1 m x 0.53 mm I.D. deactivated tubing

J&W P/N: 160-2535

Carrier: Helium at 40 cm/sec, measured at 45°C

Oven: 45°C for 3 min
45-240°C at 5°/min
240°C for 3 min

Detector: MSD, 200°C transfer line
full scan 35-215 amu

Injector: Hot On-column, 100°C
108 mL/min split vent flow
1.2 μ L dichloromethane plug
with 1.2 μ L of 1.0 mg/mL sample
of garlic oil in dichloromethane

1. Allyl methyl sulfide
2. Methyl disulfide
3. Allyl sulfide
4. Allyl methyl disulfide
5. *cis*-1-(Methyldithio)-1-propene
6. Methyl propyl disulfide
7. *trans*-1-(Methyldithio)-1-propene
8. Dimethyl trisulfide
9. Dipropenyl disulfide
10. Allyl propenyl disulfide
11. Allyl disulfide
12. Dipropyl disulfide
13. Allyl methyl trisulfide
14. Methyl propyl trisulfide
15. 3-Vinyl-1,2-dithiin
16. 2-Vinyl-1,3-dithiin
17. Dimethyltetrasulfide
18. Allyl trisulfide

