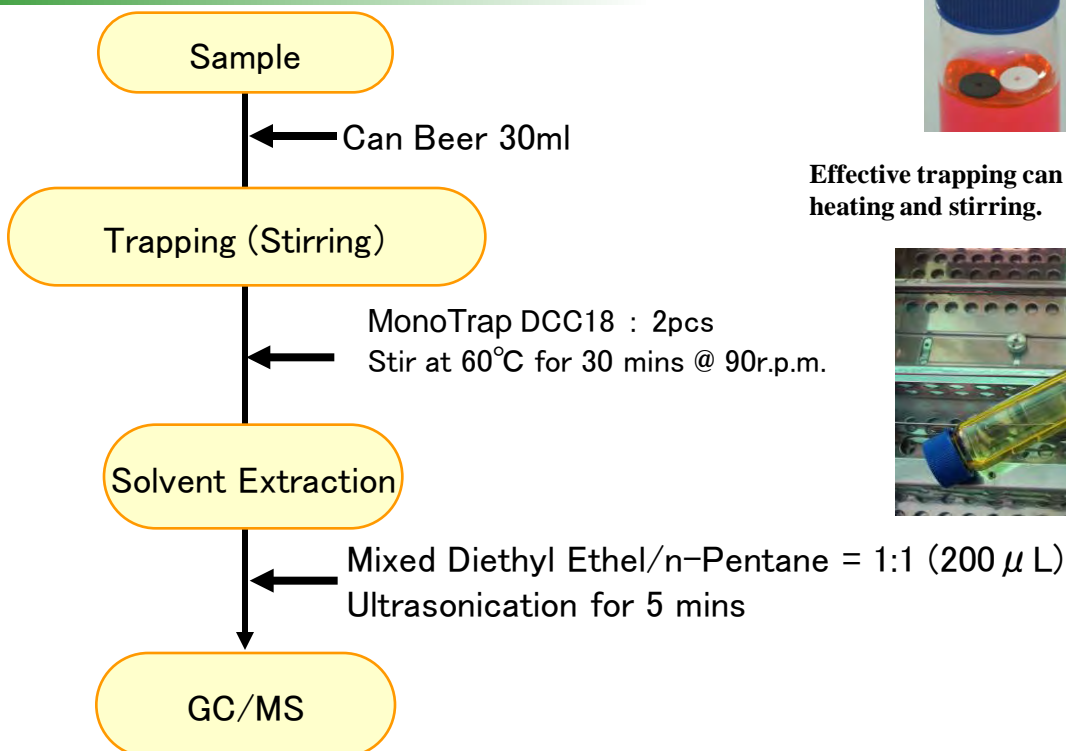


Protocol



Effective trapping can be conducted by heating and stirring.

GC Condition

System : SHIMADZU GC-2010, GCMS-QP2010

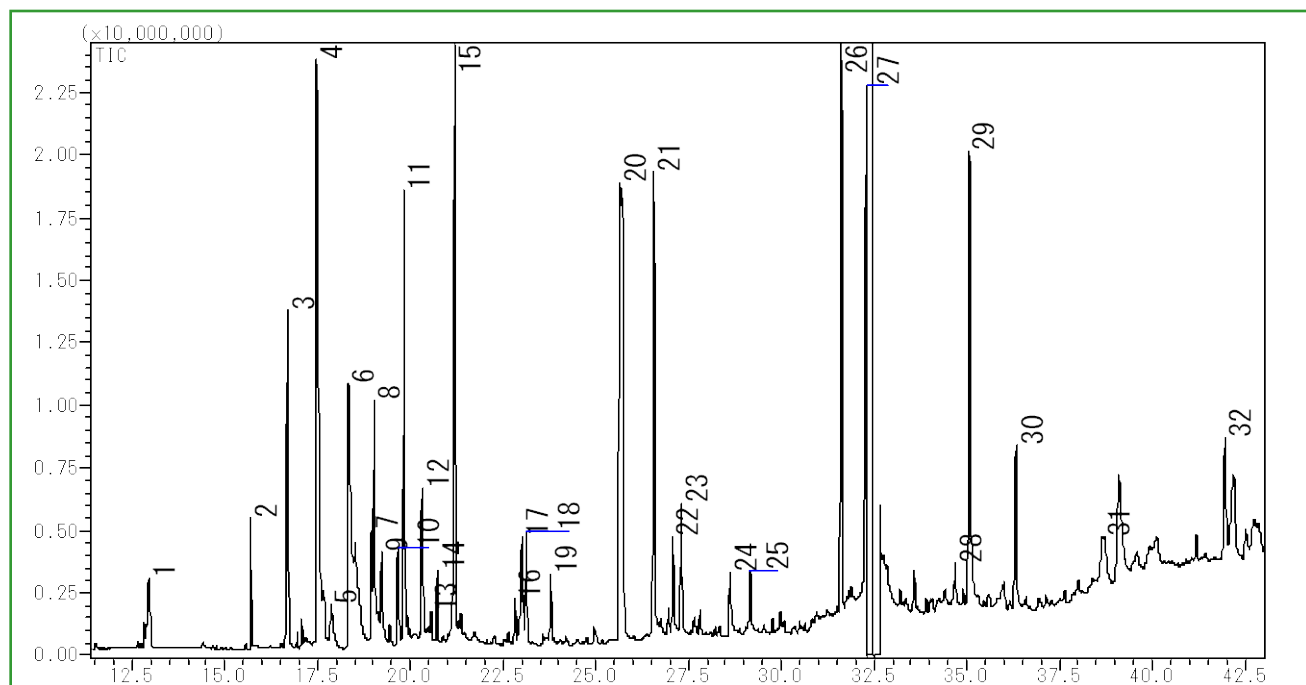
Column : InertCap Pure-WAX
0.25mm I.D. × 30m df=0.25 µ m

Column Temp : 40°C (5min) → 6°C/min → 250°C (5min)

Carrier Gas : He 90kPa

Injection : Splitless, 1 µ L
250°C

Detection : MS Scan (m/z; 35-450)



- | | |
|------------------------------------|--|
| 1 Acetaldehyde | 17 α -Cumyl alcohol |
| 2 Acetol | 18 1,2-Cyclopentanedione |
| 3 Furfural | 19 2-Cyclohexen-1-ol |
| 4 Acetic acid | 20 Phenylethyl Alcohol |
| 5 5-(Hydroxymethyl)-2(5H)-furanone | 21 Maltol |
| 6 Formic acid | 22 2H-Pyran-2,6(3H)-dione |
| 7 5-Methyl-2-furaldehyde | 23 Methyl 2-furoate |
| 8 2,3-Butanediol | 24 dl-Glyceraldehyde dimer |
| 9 2-Cyclopentene-1,4-dione | 25 4,5-Dimethyl-1,3-dioxol-2-one |
| 10 2,3-Butanediol | 26 3,5-Dihydroxy-6-methyl-2,3-dihydro-4H-pyran-4-one |
| 11 2-Oxopentanedioic acid | 27 Glycerin |
| 12 Isomaltol | 28 5-Hydroxymethyldihydrofuran-2-one |
| 13 4-Hydroxybutanoic acid | 29 5-Hydrxoymethyolfurfural |
| 14 2-Oxopentanedioic acid | 30 4-Hydroxydihydro-2(3H)-furanone |
| 15 2-Furanmethanol | 31 D-Allose |
| 16 2(5H)-Furanone | 32 p-Hydroxyphenethyl alcohol |