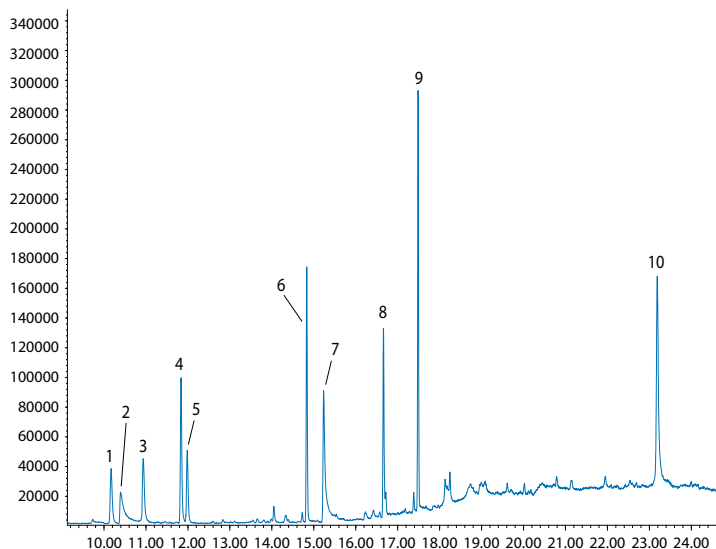


Chemical Warfare Agents / Toxic Industrial Compounds

CWA Surrogates, 2.5 PPB, SV Trap Method



Inlet: SVTrap
 Sample Size: 100cc
 Matrix Management: On Column
 Column: HP1, 60m, 0.32mm ID, 1um film
 Carrier: He, 1.5 ccm constant flow
 Oven Temp: 35°C 5 min, 6°C/min to 140°C,
 15°C/min to 220°C, 3 min hold
 GCMS: Agilent 6890/5973
 MS Operation: 33-270 amu, 3.1Hz,
 EI,EM=0 Rel.
 Tune: BFB

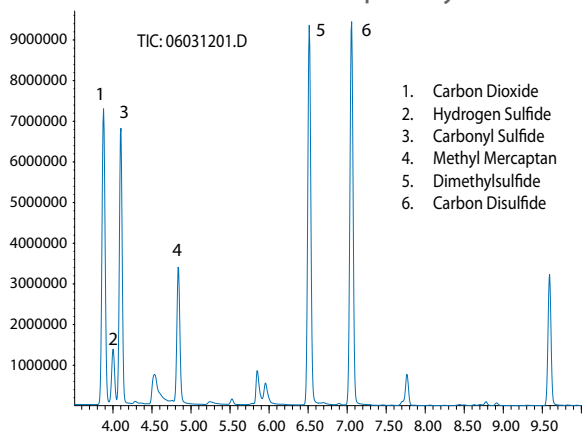
Simulated Target List:

VX, Mustard, Sarin (GB), HD, Lewisite,
 GA, GE

Compounds:

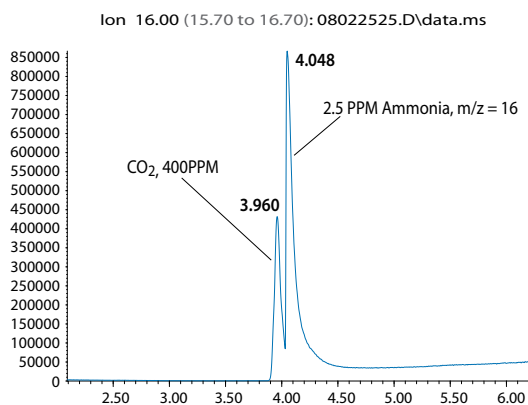
1. Chlorobenzene-d5 (IS)
2. Dimethyl Methylphosphonate
3. 1,4-Thioxane
4. Methyl Caproate (Sarin/GB)
5. Bromofluorobenzene (Surrogate)
6. Allyl Caproate
7. Triethylphosphate
8. Methyl Salicylate
9. Allyl Octanoate
10. Diethyl Sebacate (VX)

Reduced Sulfur Std, 5 PPB, 100cc, Extended Cold Trap Dehydration



1. Carbon Dioxide
2. Hydrogen Sulfide
3. Carbonyl Sulfide
4. Methyl Mercaptan
5. Dimethylsulfide
6. Carbon Disulfide

2.5 PPM Ammonia in air, 10cc, Direct LN2 Focus Method



CO₂, 400PPM

2.5 PPM Ammonia, m/z = 16