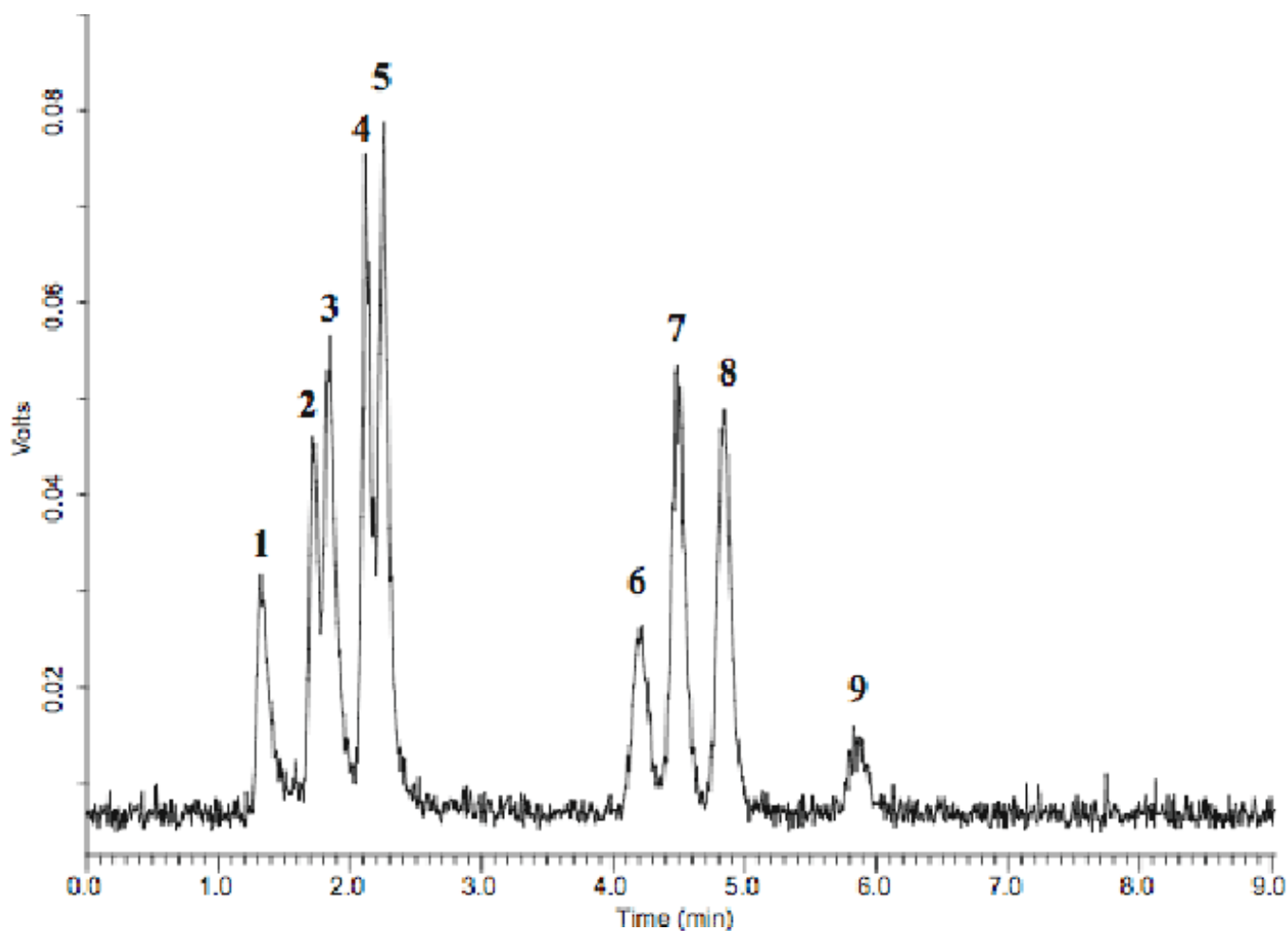


InertSearch™ for LC

Inertsil® Applications

Analysis of Arsenic compounds

Data No. LA583-0000



Conditions

System : 700 series
Column : Inertsil AS (150×2.1 mm I.D.)
Column Cat. No. : 5020-18030
Eluent : A) 10 mM IPCC-04
+ 4 mM Tetramethylammonium Hydroxide
+ 4 mM Malonic acid (pH 3.0, HNO₃)
(IPCC-04: Sodium 1-butanedisulfonate)
B) CH₃OH
A/B = 99.95/0.05, v/v
Flow rate : 0.2 mL/min
Col. Temp. : 45 °C
Detection : ICP-MS m/z = 75
Injection Vol. : 5 µL
Sample : Arsenic compounds

Analyte:

1. Arsenate	(10 µg/mL)
2. Arsenite	(10 µg/mL)
3. Methylarsonic acid	(10 µg/mL)
4. Dimethylarsinic acid	(10 µg/mL)
5. Arsenobetaine	(10 µg/mL)
6. Trimethylarsine oxide	(10 µg/mL)
7. Tetramethylarsonium salt	(10 µg/mL)
8. Arsenocholine	(10 µg/mL)
9. Arsenosugar	(10 µg/mL)