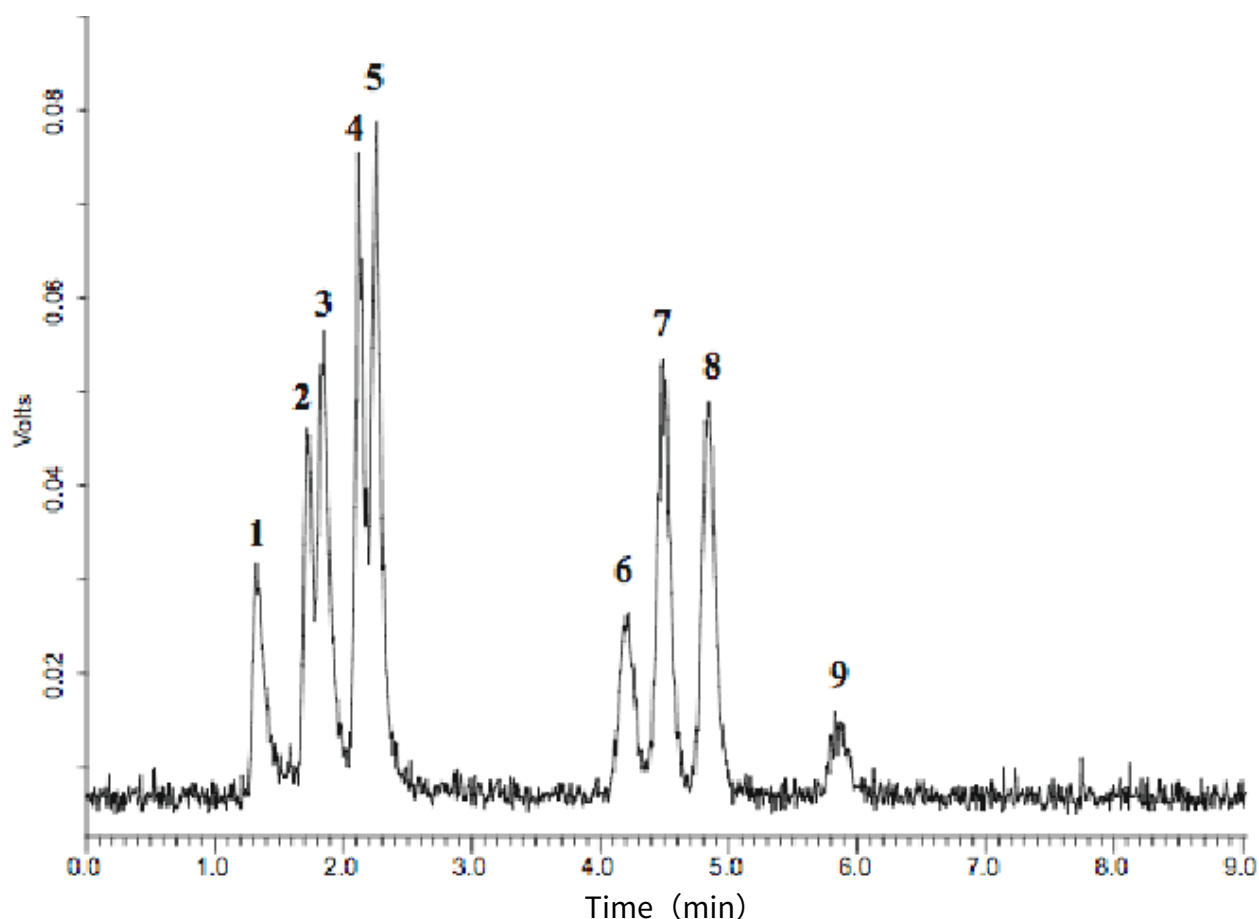


# InertSearch™ for LC

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, HNO<sub>3</sub>)  
(IPCC-04: Sodium 1-butanedisulfonate)  
B) CH<sub>3</sub>OH  
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 sal | (10 µg/mL) |
| 8.Arsenocholine           | (10 µg/mL) |
| 9.Arsenosugar             | (10 µg/mL) |