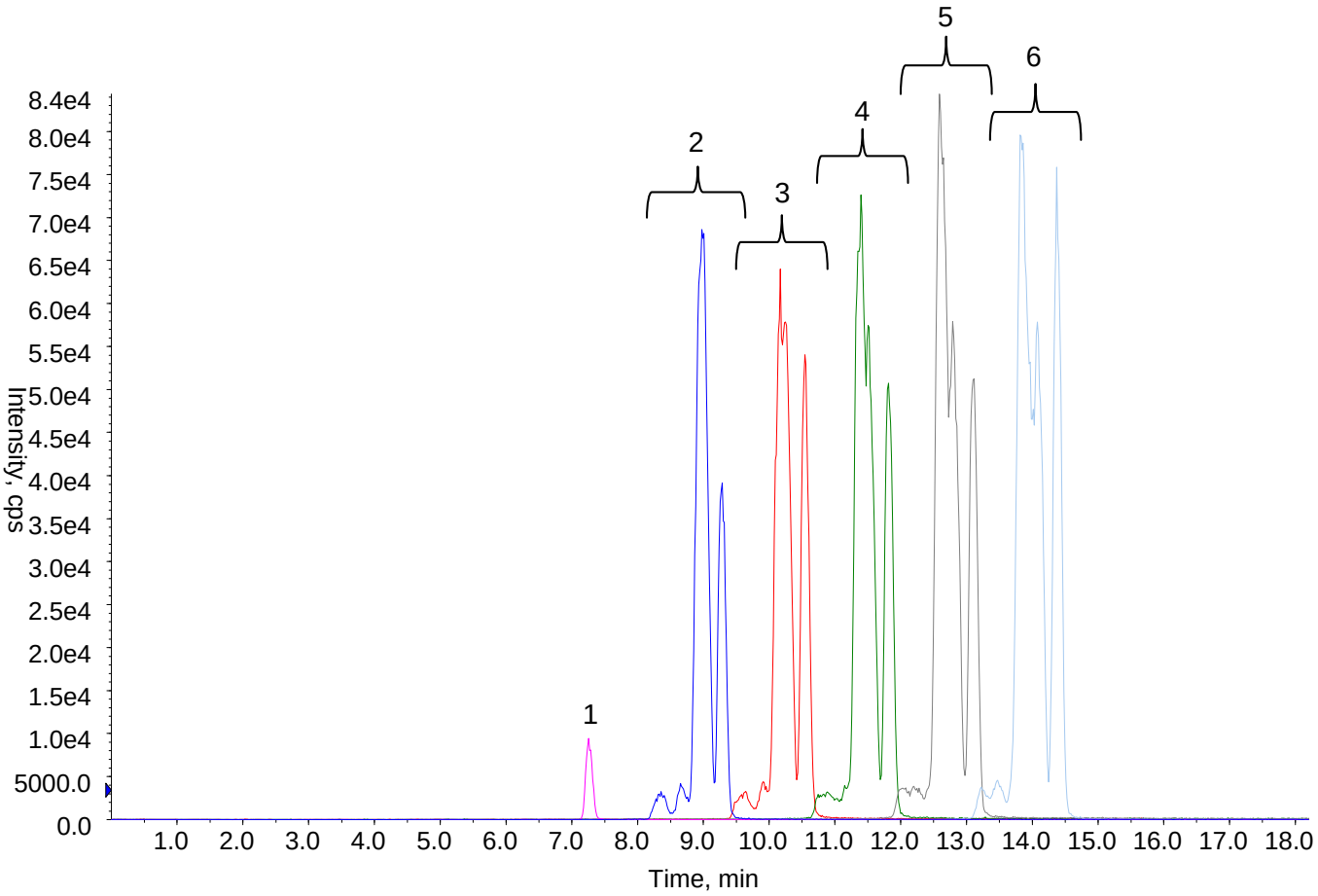
InertSearch™ for LC

Inertsil ® Applications

Analysis of Liner alkylbenzene sulfonate

Data No. LB149-0888



Conditions

System : LC800 HPLC System
4000 QTRAP®

Column : InertSustain C18 HP
(3 μm, 150 x 2.1 mm I.D.)

Column Cat. No. : 5020-14415

Eluent : A) CH_3CN
B) 0.1 % HCOOH + 50 mM $HCOONH_4$ in H_2O
A/B = 40/60 - 12min - 80/20 - 3min - 80/20
- 1min - 95/5 - 10min - 95/5 - 1min
- 60/40 - 6min, v/v

Flow Rate : 0.2 mL/min

Col. Temp. : 40 ℃

Detection : LC/MS/MS (4000 QTRAP® ESI, Negative, MRM)

CUR	CAD	IS	TEM	GS1	GS2
20	12	-4500	700	60	30

Injection Vol. : 5 μL

Analyte:

1. Sodium Octylbenzenesulfonate(C8) (I.S.)
2. Sodium Decylbenzenesulfonate(C10)
3. Sodium Undecylbenzenesulfonate(C11)
4. Sodium Dodecylbenzenesulfonate(C12)
5. Sodium Tridecylbenzenesulfonate(C13)
6. Sodium Tetradecylbenzenesulfonate(C14)

in CH_3CN/H_2O = 65/35, v/v
each 50 μg/L (I.S. 5 μg/L)