

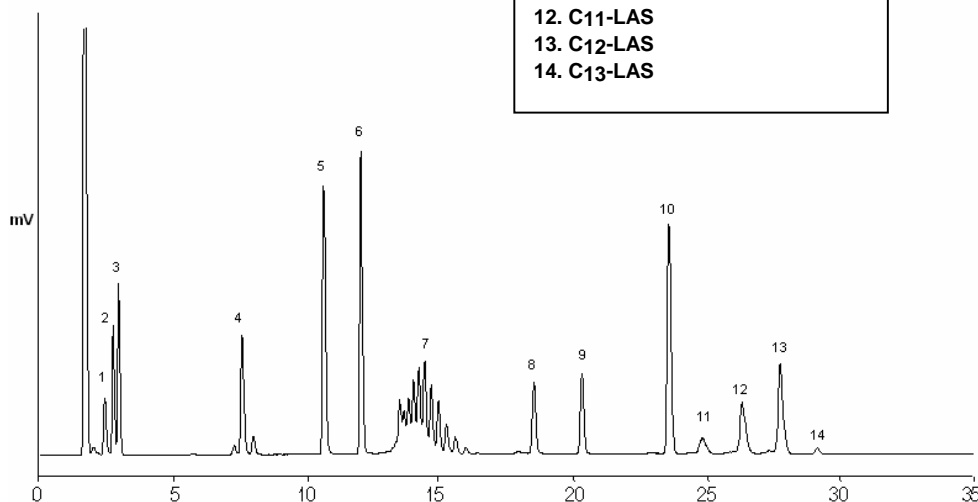
SEDEX Low Temperature Evaporative Light Scattering Detector

SAMPLE: Inorganic Anions, Hydrotrope, Cationic, Nonionic, Amphoteric and Anionic Surfactants

HPLC
Gradient

Peaks: 100 to 400 ppm

1. Chloride
2. Bromide
3. Nitrate
4. Xylene sulfonate
5. Laurylpyridinium chloride
6. Lauryldimethylbenzylammonium chloride
7. Triton X-100
8. Cetyl betaine
9. Decyl sulfate
10. Dodecyl sulfate
11. C10-LAS
12. C11-LAS
13. C12-LAS
14. C13-LAS



CONDITIONS

Column	Acclaim® Surfactant, 5 µm 4.6 x 150 mm, at 30 °C
Injected Volume	25 µL
Eluent	Gradient A: Acetonitrile B: 0.1 M NH₄OAc, pH 5.4 25% to 85% Acetonitrile in 25 min, then hold 85% for 10 min
Flow Rate	1 mL/min
Gas	Nitrogen
Pressure	3.5 bar
Temperature	50 °C

Analyzed by : Xiaodong Liu *et al*, Dionex Corporation, CA 94088, USA