

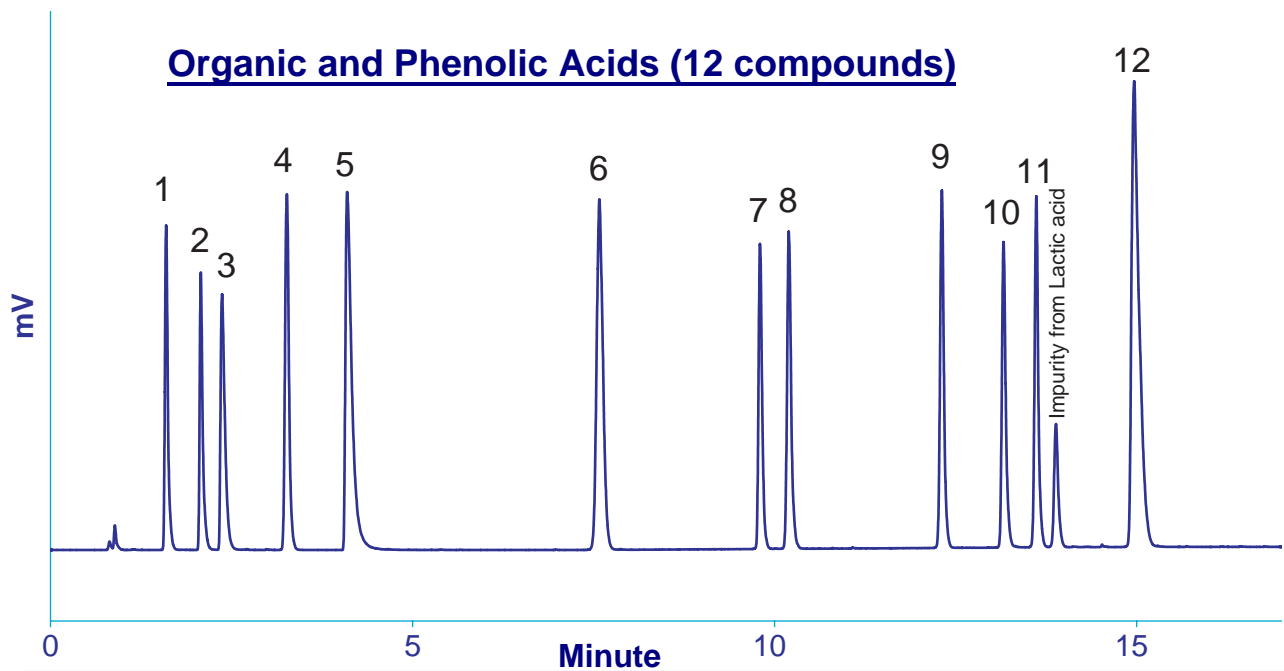
Scherzo SM-C18

150 x 2 mm

Application

Simultaneous HPLC/LT-ELSD Analysis of Organic and Phenolic Acids

LT-ELSDによる有機酸およびフェノール酸の一斉分析



	RT	%RSD (n=8)		LOD (S/N=3)
	Minutes	RT	Response	ng (o.c.)
1- Quinic acid	1.60	0.09	2.1	4.5
2- Malic acid	2.08	0.09	1.9	7.7
3- Tartaric acid	2.37	0.11	2.7	20.9
4- Succinic acid	3.27	0.20	2.2	9.0
5- Citric acid	4.11	0.25	1.3	25.3
6- Gallic acid	7.60	0.31	1.9	8.0
7- Lactic acid	9.81	0.18	2.4	55.9*
8- Protocatechuic acid	10.21	0.14	2.4	3.7
9- 4-HPAC	12.32	0.09	1.7	3.4
10- Chlorogenic acid	13.16	0.07	2.2	4.0
11- Syringic acid	13.62	0.07	3.0	2.3
12- Gentisic acid	14.97	0.06	1.9	6.2

* Semi-volatile compound

4-Hydroxyphenylacetic acid

Scherzo SM-C18, 150 x 2 mm

A: H₂O + 0.3% HCOOH,

B: acetonitrile + 1% HCOOH

0%B (0-2 min), 0 - 20%B (2-10 min), 20%B (10-15 min)

0.3 mL/min, 30°C, 2uL

ELSD (SEDERE, France), SEDEX 90LT, 30°C, 3.5Bar

Data provided by Dr. Eric VERETTE, SEDERE S.A.S., France