

Perfluorinated Compounds in Water by LC-MS/MS

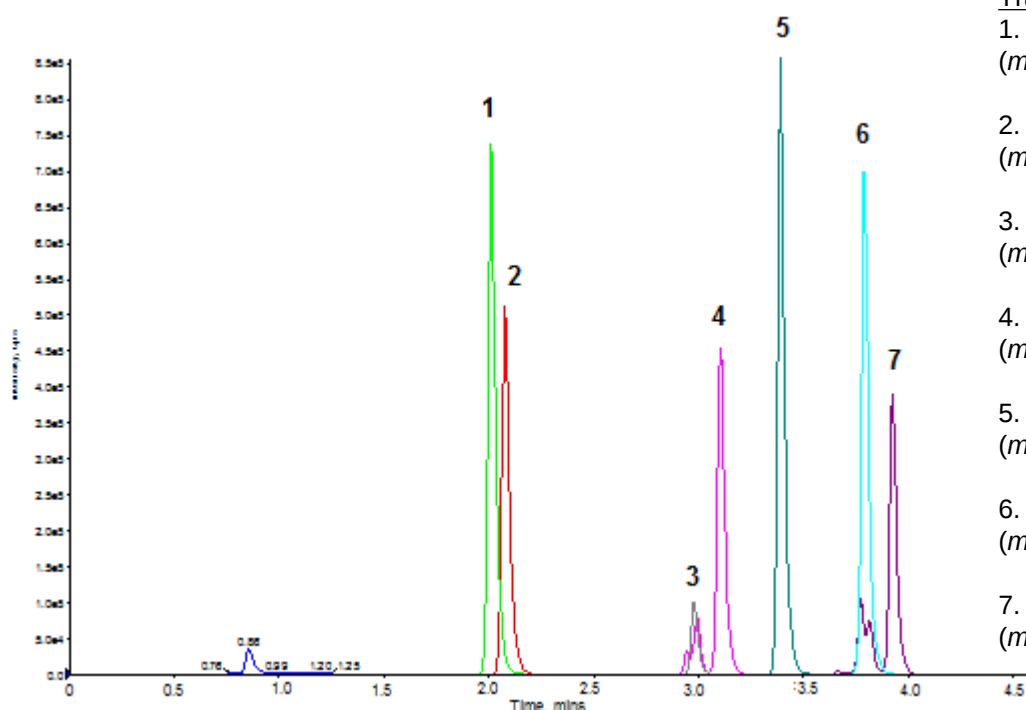
Application #AN2260

Conditions

Column: ACE Excel 1.7 C18
Dimensions: 100 x 2.1 mm
Part Number: EXL-171-1002U
Mobile Phase: A: 2 mM ammonium acetate, 0.1% formic acid in H₂O/MeCN (90:10 v/v)
B: 2 mM ammonium acetate, 0.1% formic acid in H₂O/MeCN (10:90 v/v)

Time (mins)	%B
0.0	25
0.5	25
3.5	70
4.0	100
5.5	100
6.0	25
9.0	25

Flow Rate: 0.5 mL/min
Injection: 10 µL
Temperature: 40 °C
Detection: AB SCIEX triple quad 5500
Negative ESI MRM
Source temperature: 450 °C
IonSpray voltage: -2400 V



Transitions

1. Perfluorohexanoic acid
(m/z 313.0 → 268.9)
2. Perfluorobutanesulfonic acid
(m/z 299.0 → 79.9)
3. Perfluorooctanoic acid
(m/z 413.0 → 368.9)
4. Perfluorohexanesulfonic acid
(m/z 399.0 → 80.0)
5. Perfluorononanoic acid
(m/z 463.0 → 419.0)
6. Perfluorodecanoic acid
(m/z 513.0 → 469.0)
7. Perfluorooctanesulfonic acid
(m/z 499.0 → 80.0)

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