Perfluorinated Compounds in Water by LC-MS/MS

ACE® Ultra-inert UHPLC & HPLC Columns

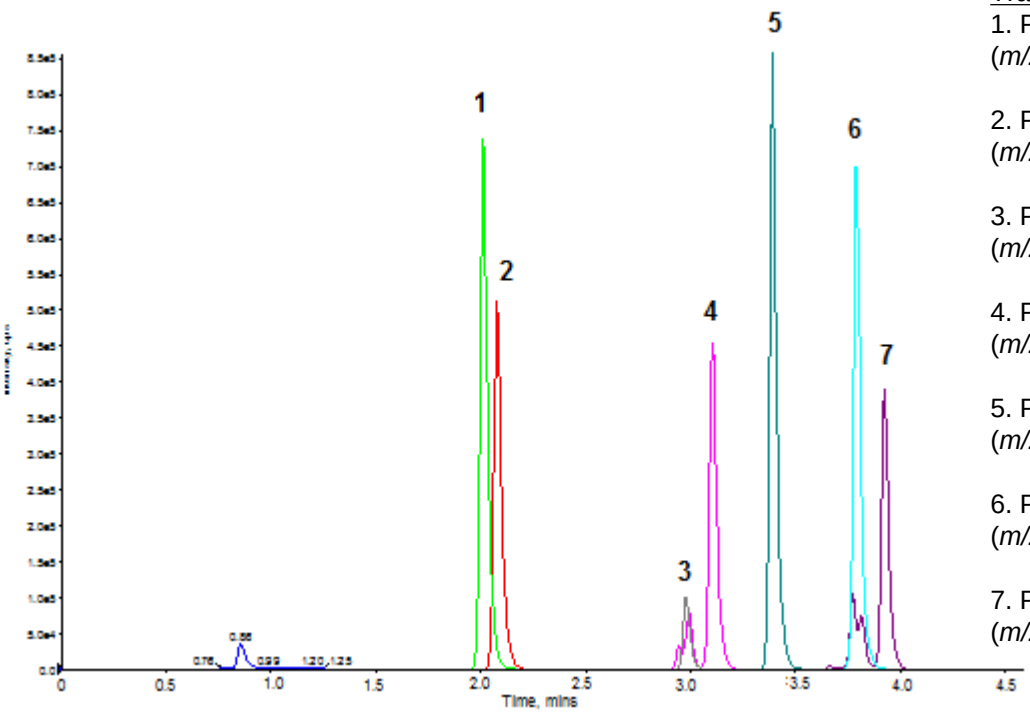
Application #**AN2260**

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 H_2O/MeCN (90:10 v/v) B: 2 mM ammonium acetate, 0.1% formic acid in H_2O/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)

Reproduced with permission of Biotage GB Ltd, UK. For extraction conditions see Biotage Application Note AN839

© 2015 ACT Ltd. All rights reserved. All products are available worldwide.