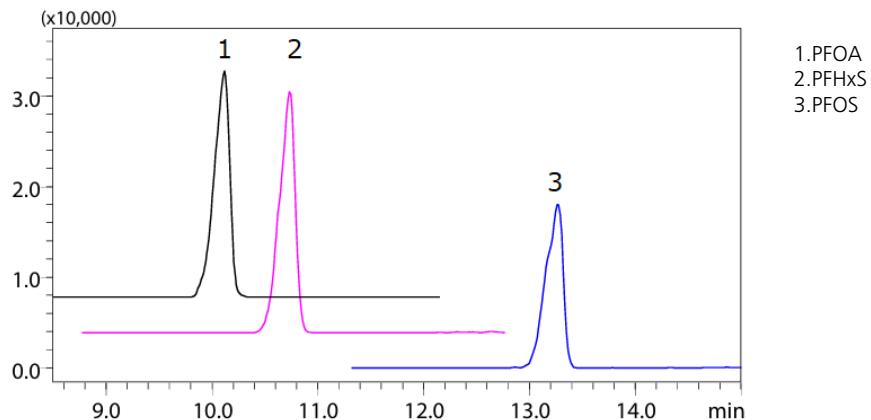


CoreFocus
Report
No.563

LC-MS Reversed-phase Shim-pack™ Series

Shim-pack GIST C18-AQ HP
Analysis of PFOA, PFHxS, and PFOS
Keywords: organofluorinecompounds, Perfluorooctane sulfonic acid, perfluorooctanoic acid

[HPLC conditions] (Nexera™ X3)

Column : Shim-pack GIST C18-AQ HP,
 150 mm x 2.1 mm I.D., 3 μ m¹
 Mobile phases : A) 10 mmol/L Ammonium acetate in
 H_2O
 : B) Acetonitrile
 Gradient program : B 25 % (0-1 min) – 100 % (26-30 min) –
 25 % (30.01- 34 min)
 Flow rate : 0.2 mL/min
 Column oven : 40 °C
 Injection vol. : 5 μ L

1*: P/N : 227-30765-04

[MS conditions] (LCMS-8050)

Ionization	:	ESI (Negative mode)
Probe voltage	:	-1 kV
Nebulizing gas flow	:	3 L/min
Drying gas flow	:	5 L/min
Heating gas flow	:	15 L/min
DL temp.	:	200 °C
Block heater temp.	:	300 °C
Interface temp.	:	300 °C
MRM transition	:	PFOA <i>m/z</i> 412.95>168.95 PFHxS <i>m/z</i> 398.95>79.95 PFOS <i>m/z</i> 498.95>79.95 $^{13}C_8$ -PFOA <i>m/z</i> 420.95>375.95 $^{13}C_3$ -PFHxS <i>m/z</i> 401.95>79.95 $^{13}C_8$ -PFOS <i>m/z</i> 506.95>79.95

 Source : Application News 01-00114 ([JP](#),[ENG](#))

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