

CoreFocus Report

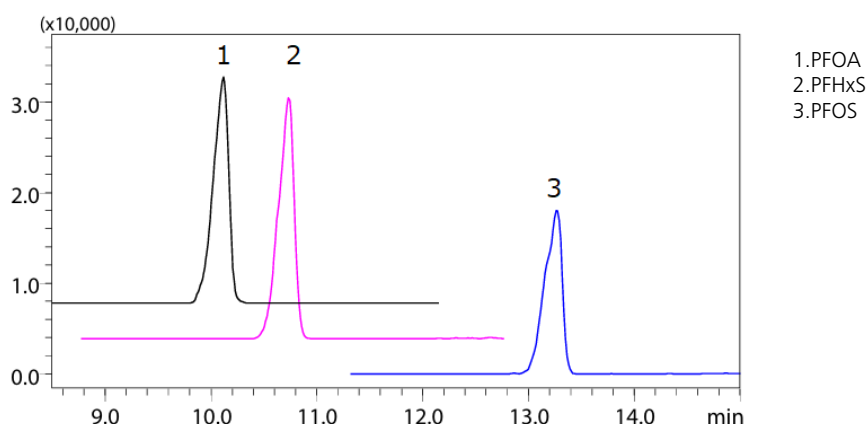
No.563

LC-MS Reversed-phase Shim-pack™ Series

Shim-pack GIST C18-AQ HP

Analysis of PFOA, PFHxS, and PFOS

Keywords: organofluorine compounds, 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 μm⁺
Mobile phases : A) 10 mmol/L Ammonium acetate in
H₂O
: 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 μL

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 *m/z* 412.95>168.95
PFHxS *m/z* 398.95>79.95
PFOS *m/z* 498.95>79.95
¹³C₈-PFOA *m/z* 420.95>375.95
¹³C₃-PFHxS *m/z* 401.95>79.95
¹³C₈-PFOS *m/z* 506.95>79.95

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

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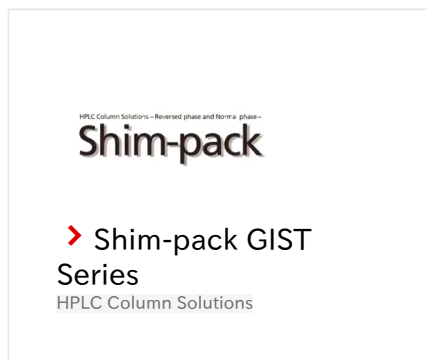
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