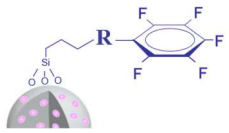
ChromaNik Technologies Inc.

標準血清中の胆汁酸とPFOSの分離

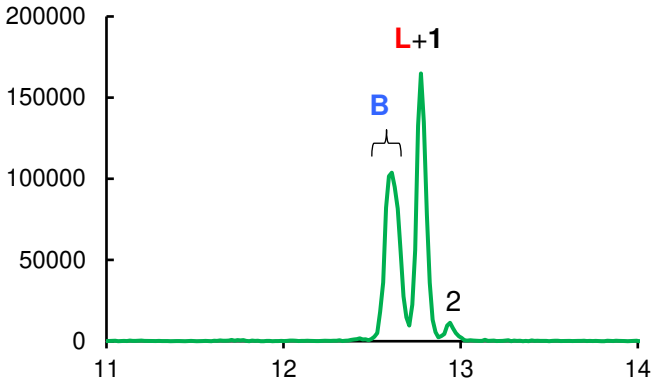
SunBridge PFP-R 3 µm,
150 x 2.1 mm i.d.

Bile Acids and PFOS (a key PFAS) in SRM1958

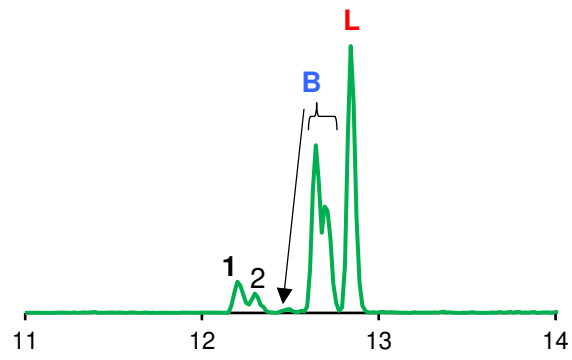


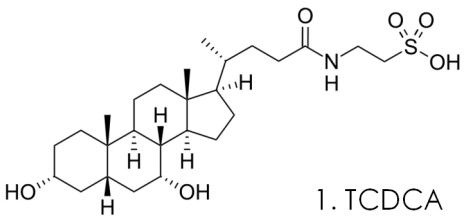
MRM: 499>80

C18

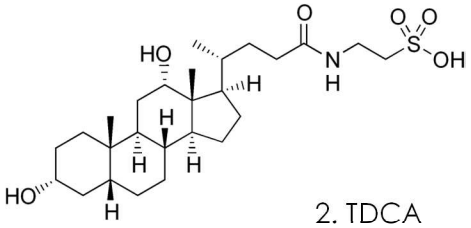


SunBridge PFP-R

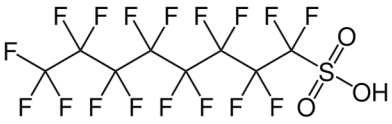




1. TCDCA



2. TDCA



multiple isomers

L. **L-PFOS**

B. **B-PFOS**

Column: SunBridge PFP-R 3 µm, Other company C18(core-shell) 2.6 µm
Column dimension: 150 x 2.1 mm
Mobile phase: [A] Methanol [B] 10 mM Ammonium Acetate in water
Gradient program: shown right
Flow rate: 0.25 mL / min, Temperature: 50 ℃
Instrument: ExionLC AC system, Triple Quad 4500 system (SCIEX)

Time(min)	0	2	12	17
A Conc.	10	10	90	100

Sample: Organic Contaminants in Fortified Human Serum† (Standard Reference Material 1958; NIST),
1 = Taurochenodeoxycholic acid (**TCDCA**) , 2 = Taurodeoxycholic acid (**TDCA**), **L** = Linear-perfluorooctanesulfonic acid(**L-PFOS**), **B** = Branched-perfluorooctanesulfonic acid(**B-PFOS**)

Extraction method:

† Honda, M., Robinson, M., & Kannan, K. (2018). A rapid method for the analysis of perfluorinated alkyl substances in serum by hybrid solid-phase extraction. Environmental Chemistry, 15(2), 92-99.

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