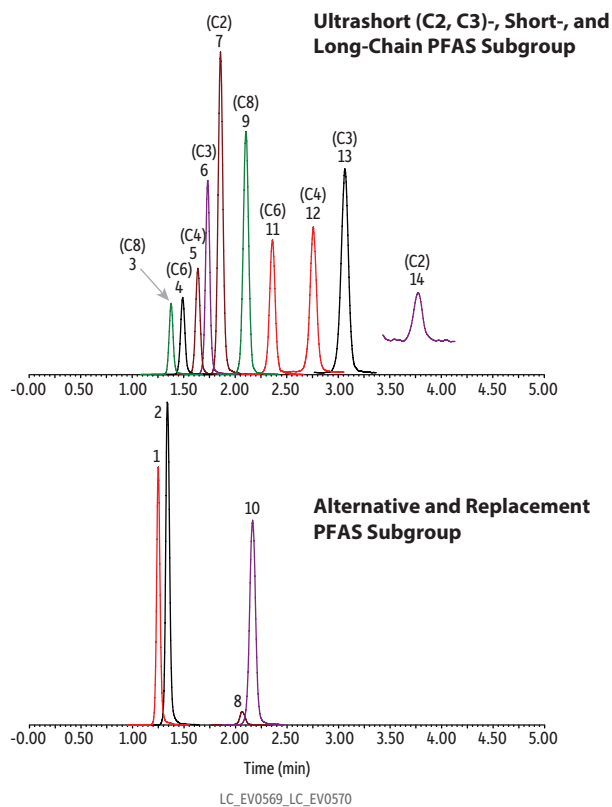


Ultrashort- Through Long-Chain and Alternative PFAS on Raptor Polar X

- Proper retention and chromatographic performance for PFAS.



Peaks	tr (min)	Conc. (ng/L)	Precursor Ion	Product Ion
1. 11-Chloroicosafluoro-3-oxanonane-1-sulfonate (11Cl-PF3OUds)	1.25	400	630.78	450.80
2. 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonate9-Chlorohexadecafluoro-3-oxanonane-1-sulfonate (9Cl-PF3ONS)	1.34	400	530.78	350.85
3. Perfluorooctanesulfonic acid (PFOS)	1.38	400	498.84	79.97
4. Perfluorohexanesulfonic acid (PFHxS)	1.49	400	398.90	79.97
5. Perfluorobutanesulfonic acid (PFBS)	1.64	400	298.97	79.97
6. Perfluoropropanesulfonic acid (PFPrS)	1.73	400	248.97	79.98
7. Perfluoroethanesulfonic acid (PFETs)	1.86	400	198.98	79.92
8. Hexafluoropropylene oxide dimer acid (HFPO-DA)	2.06	400	284.97	168.92
9. Perfluorooctanoic acid (PFOA)	2.11	400	412.90	368.91
10. Ammonium 4,8-dioxa-3H-perfluorononanoate (ADONA)	2.15	400	376.90	250.93
11. Perfluorohexanoic acid (PFHxA)	2.36	400	312.97	268.90
12. Perfluorobutanoic acid (PFBA)	2.76	400	212.97	168.97
13. Perfluoropropionic acid (PFPrA)	3.06	400	163.03	119.01
14. Trifluoroacetic acid (TFA)	3.77	400	113.03	69.01

Column Raptor Polar X (cat.# 9311A52)
Dimensions: 50 mm x 2.1 mm ID
Particle Size: 2.7 µm
Temp.: 40 °C
Sample
Diluent: 50:50 Water:methanol
Conc.: 400 ng/L
Inj. Vol.: 10 µL
Mobile Phase
A: Water, 10 mM ammonium formate, 0.05% formic acid
B: 60:40 Acetonitrile:methanol, 0.05% formic acid

Time (min)	Flow (mL/min)	%A	%B
0.00	0.5	15	85
8.00	0.5	15	85

Detector MS/MS
Ion Mode: ESI-
Mode: MRM
Instrument UHPLC