

Perfluorinated Compounds (PFCs) on Raptor C18 (1.8 μm)

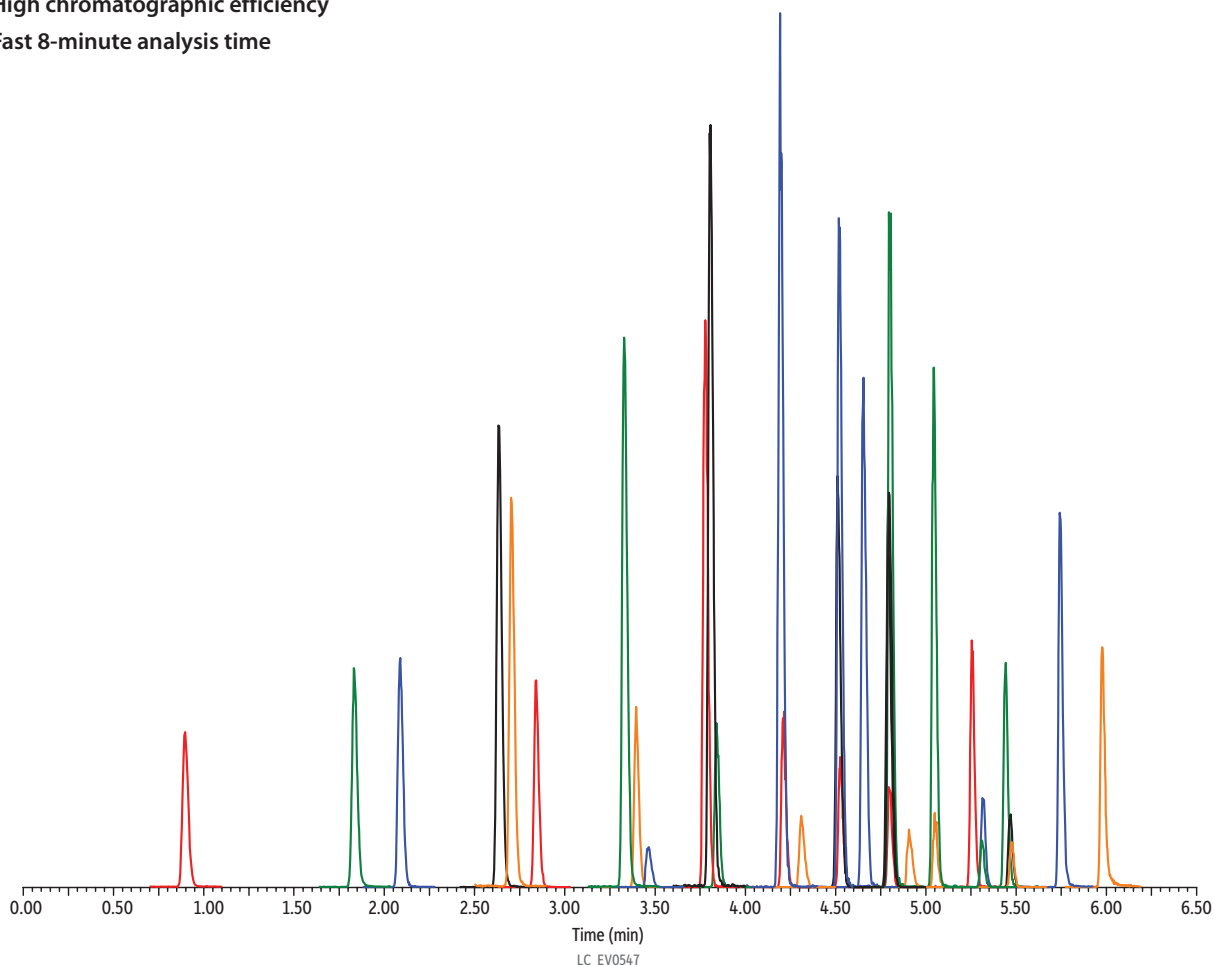
Column Raptor C18 (cat.# 9304252)
Dimensions: 50 mm x 2.1 mm ID
Particle Size: 1.8 μm
Pore Size: 90 Å
Temp.: 40 °C
Sample
Diluent: 80:20 Water:methanol
Conc.: 5-250 ng/mL
Inj. Vol.: 5 μL
Mobile Phase
A: 5 mM Ammonium acetate in water
B: Methanol

Time (min)	Flow (mL/min)	%A	%B
0.00	0.4	80	20
6.00	0.4	5	95
6.50	0.4	5	95
6.51	0.4	80	20
8.00	0.4	80	20

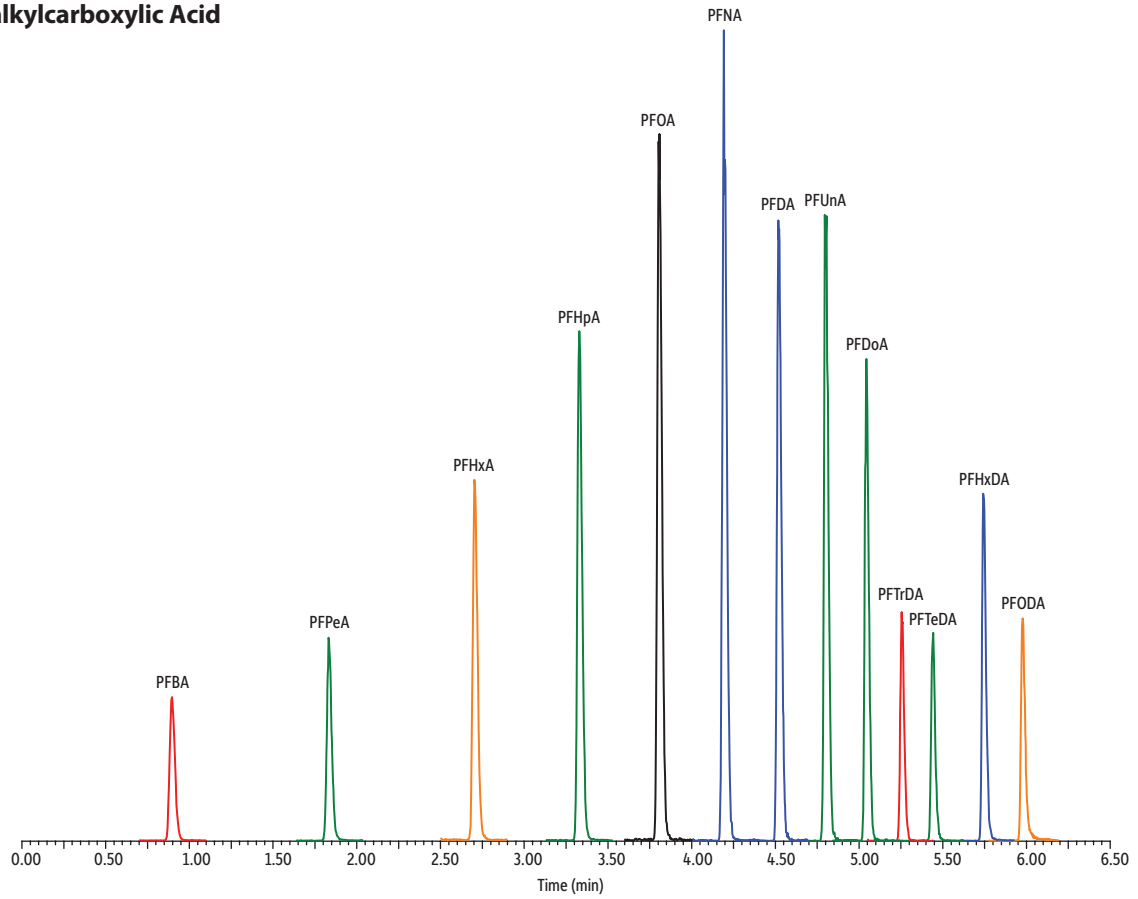
Detector MS/MS
Ion Mode: ESI-
Mode: MRM
Instrument UHPL

Peaks	tr (min)	Conc. (ng/mL)	Precursor Ion	Product Ion
1. Perfluorobutanoic acid (PFBA)	0.90	5	213.07	169.07
2. Perfluoropentanoic acid (PFPeA)	1.83	5	263.10	219.11
3. Perfluorobutane sulfonic acid (PFBS)	2.09	5	299.10	79.99
4. 1H, 1H, 2H, 2H-perfluorohexane sulfonic acid (4:2 FTS)	2.63	5	327.10	307.08
5. Perfluorohexanoic acid (PFHxA)	2.70	5	313.10	269.12
6. Perfluoropentane sulfonic acid (PFPeS)	2.84	5	349.10	79.98
7. Perfluoroheptanoic acid (PFHpA)	3.33	5	363.16	319.09
8. Perfluorohexane sulfonic acid (PFHxS)	3.39	5	399.13	79.98
9. 2-Perfluorohexyl ethanoic acid (FHEA)	3.46	250	377.13	293.07
10. 1H, 1H, 2H, 2H-perfluorooctane sulfonic acid (6:2 FTS)	3.78	5	427.17	407.18
11. Perfluorooctanoic acid (PFOA)	3.81	5	413.16	369.10
12. Perfluoroheptane sulfonic acid (PFHpS)	3.84	5	449.17	79.98
13. Perfluorononanoic acid (PFNA)	4.19	5	463.16	419.19
14. Perfluorooctane sulfonic acid (PFOS)	4.21	5	499.17	79.98
15. 2-Perfluorooctyl ethanoic acid (FOEA)	4.31	250	477.17	393.15
16. 1H, 1H, 2H, 2H-perfluorodecane sulfonic acid (8:2 FTS)	4.51	5	527.17	507.16
17. Perfluorodecanoic acid (PFDA)	4.52	5	513.17	469.16
18. Perfluorononane sulfonic acid (PFNS)	4.53	5	549.17	79.98
19. N-methyl perfluorooctane sulfonamidoacetic acid (N-MeFOSAA)	4.66	5	570.20	419.17
20. Perfluorodecane sulfonic acid (PFDS)	4.79	5	599.17	79.98
21. N-ethyl perfluorooctane sulfonamidoacetic acid (N-EtFOSAA)	4.79	5	584.20	419.18
22. Perfluorooctane sulfonamide (FOSA)	4.79	5	498.17	77.97
23. Perfluoroundecanoic acid (PFUnA)	4.80	5	563.23	519.24
24. 2-Perfluorodecyl ethanoic acid (FDEA)	4.91	250	577.23	493.18
25. Perfluorododecanoic acid (PFDoA)	5.04	5	613.23	569.19
26. 1H, 1H, 2H, 2H-perfluorododecane sulfonic acid (10:2 FTS)	5.05	5	627.23	607.20
27. Perfluorotridecanoic acid (PFTrDA)	5.25	5	663.23	619.21
28. N-methyl perfluorooctane sulfonamide (N-MeFOSA)	5.31	5	512.17	169.07
29. N-methyl perfluorooctane sulfonamidoethanol (N-MeFOSE)	5.31	50	616.27	59.11
30. Perfluorotetradecanoic acid (PFTeDA)	5.44	5	713.23	669.23
31. N-ethyl perfluorooctane sulfonamide (N-EtFOSA)	5.47	5	526.23	169.06
32. N-ethyl perfluorooctane sulfonamidoethanol (N-EtFOSE)	5.47	50	630.33	59.11
33. Perfluorohexadecanoic acid (PFHxDA)	5.74	5	813.30	769.28
34. Perfluorooctadecanoic acid (PFODA)	5.98	5	913.30	869.32

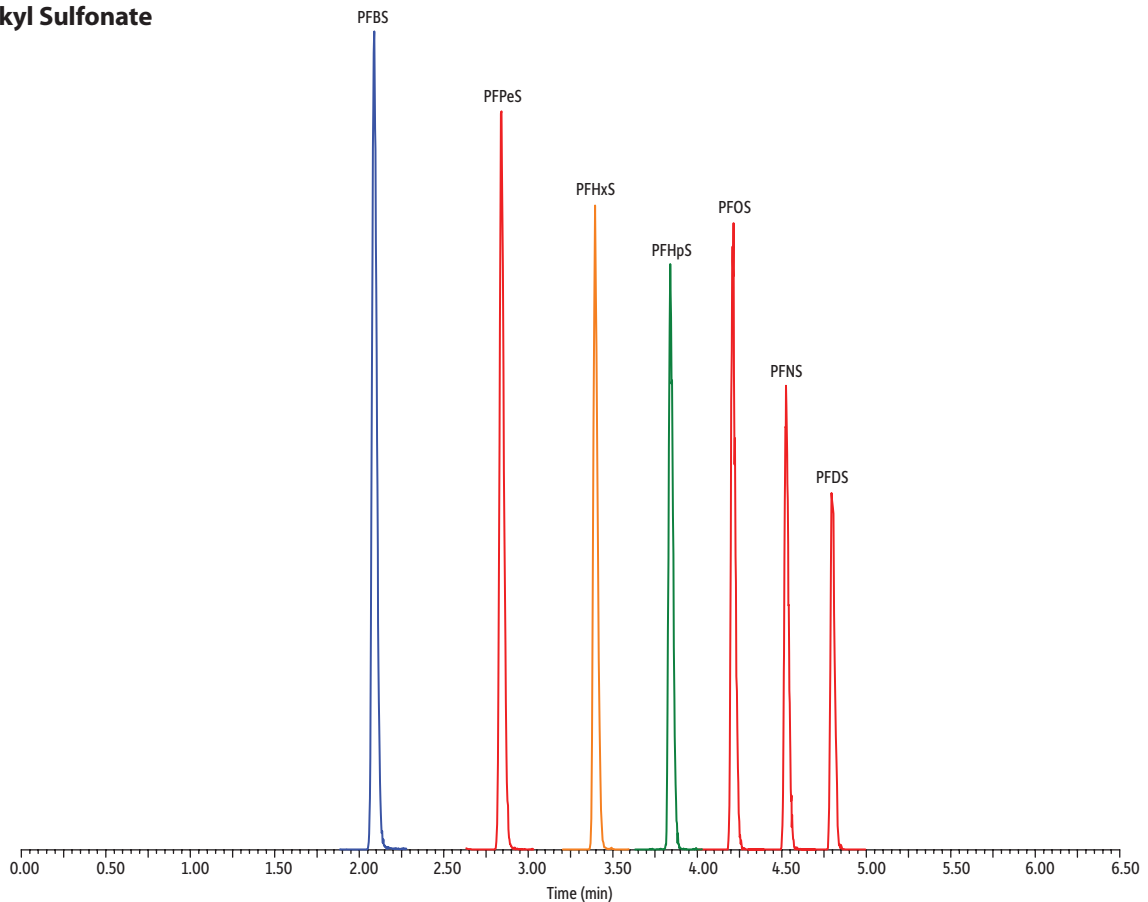
- High chromatographic efficiency
- Fast 8-minute analysis time



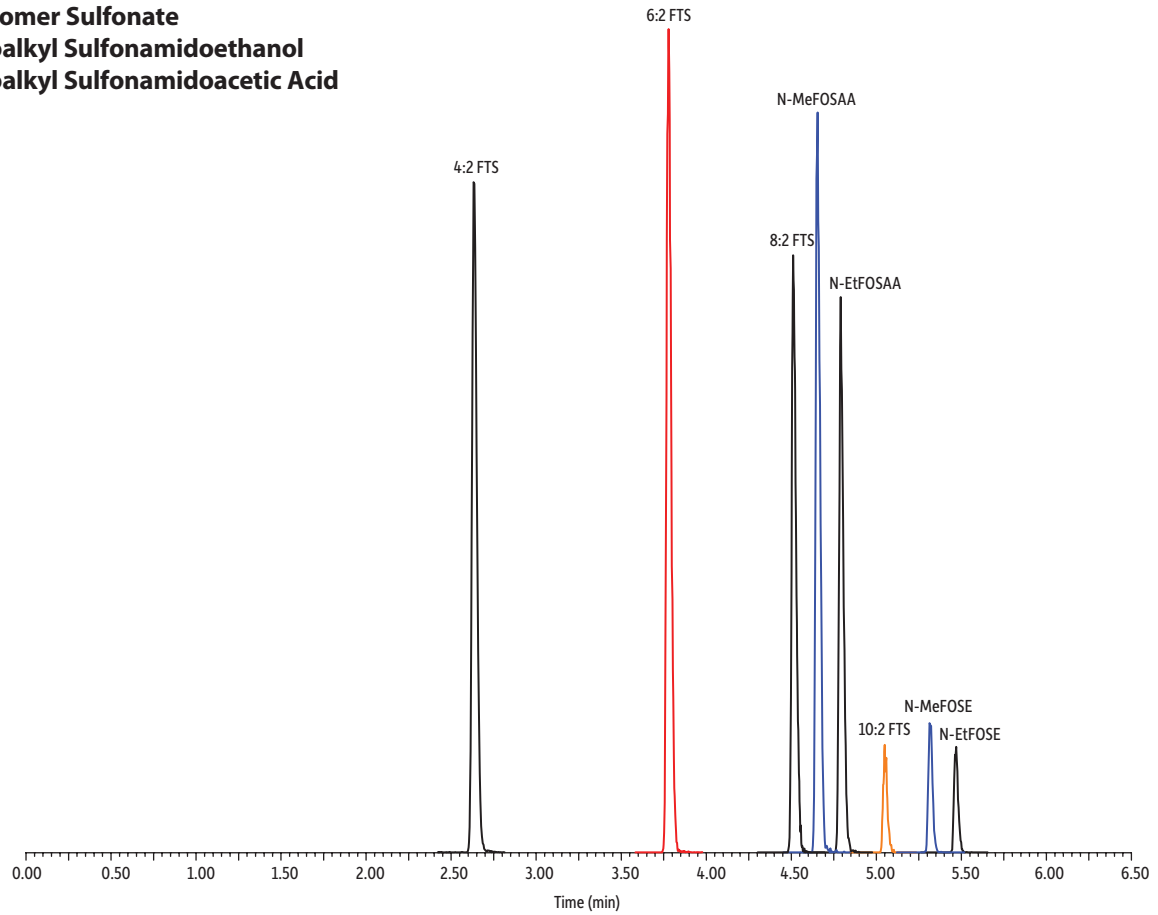
Perfluoroalkylcarboxylic Acid



Perfluoroalkyl Sulfonate



Fluorotelomer Sulfonate
Perfluoroalkyl Sulfonamidoethanol
Perfluoroalkyl Sulfonamidoacetic Acid



Perfluoroalkyl Sulfonamide
Fluorotelomer Carboxylic Acid

