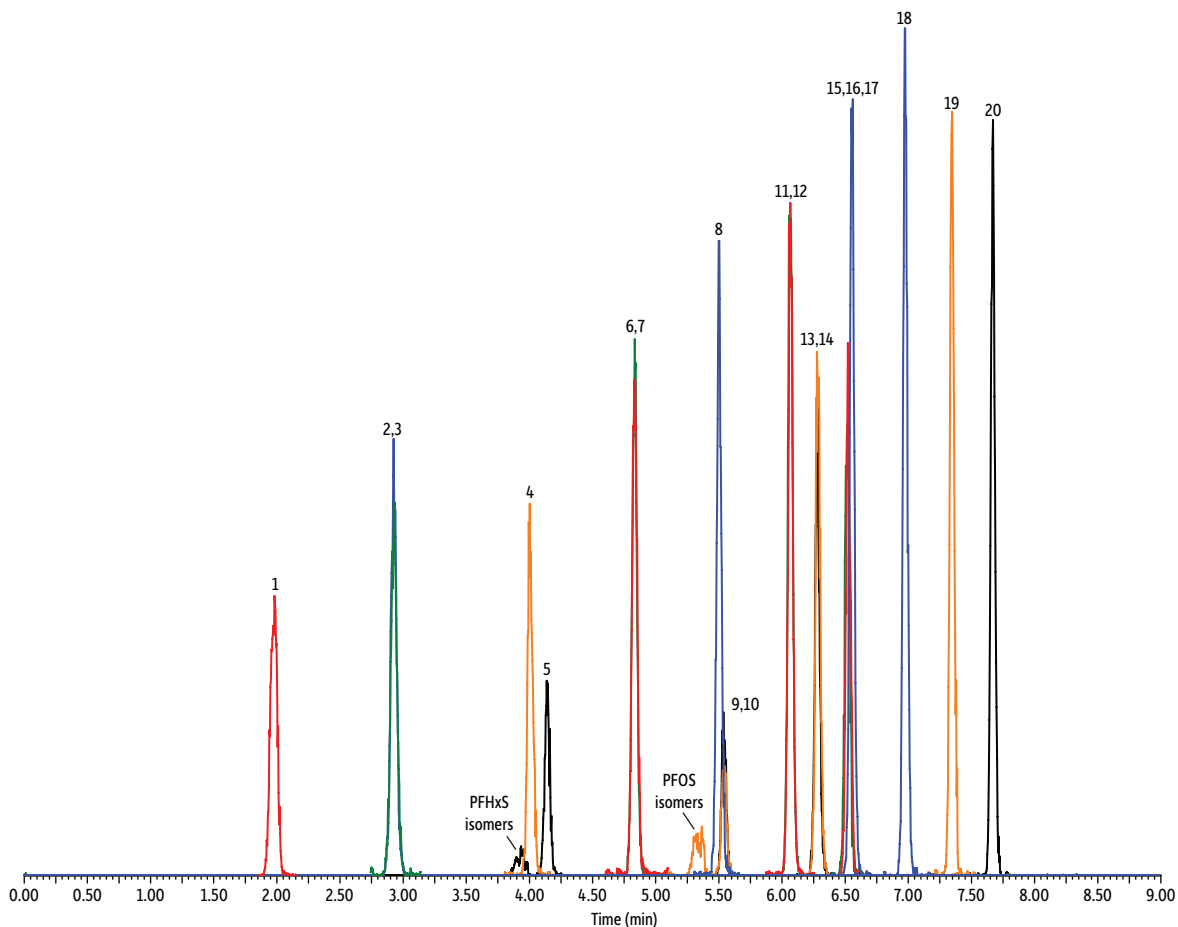


Perfluorinated Alkyl Acids on Raptor C18 by LC-MS/MS for EPA Method 537



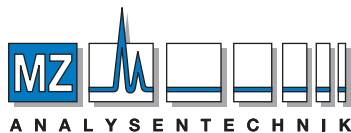
LC_EV0548

Peaks	tr (min)	Conc. (ng/mL)	Precursor Ion	Product Ion
1. Perfluorobutanesulfonic acid (PFBS)	1.98	10	299.10	79.99
2. Perfluoro- <i>n</i> -[1,2- ¹³ C ₂]hexanoic acid (¹³ C-PFHxA)	2.92	10	315.13	270.13
3. Perfluorohexanoic acid (PFHxA)	2.93	10	313.10	269.12
4. Perfluoroheptanoic acid (PFHpA)	4.00	5	363.16	319.09
5. Perfluorohexanesulfonic acid (PFHxS)	4.14	10	399.13	79.98
6. Perfluoro-[1,2- ¹³ C ₂]octanoic acid (¹³ C-PFOA)	4.83	5	415.13	370.10
7. Perfluorooctanoic acid (PFOA)	4.83	5	413.16	369.10
8. Perfluorononanoic acid (PFNA)	5.50	5	463.16	419.19
9. Perfluoro-1-[1,2,3,4- ¹³ C ₄]octanesulfonic acid (¹³ C-PFOS)	5.54	5	503.13	79.98
10. Perfluorooctanesulfonic acid (PFOS)	5.54	10	499.17	79.98
11. Perfluoro- <i>n</i> -[1,2- ¹³ C ₂]decanoic acid (¹³ C-PFDA)	6.06	5	515.17	470.17
12. Perfluorodecanoic acid (PFDA)	6.07	5	513.17	469.16
13. N-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid (d3-NMeFOSAA)	6.28	5	573.23	419.15
14. N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	6.28	5	570.20	419.17
15. N-deuterioethylperfluoro-1-octanesulfonamidoacetic acid (d5-NEtFOSAA)	6.52	5	589.27	419.11
16. N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	6.52	5	584.20	419.18
17. Perfluoroundecanoic acid (PFUnA)	6.56	5	563.23	519.24
18. Perfluorododecanoic acid (PFDoA)	6.98	5	613.23	569.19
19. Perfluorotridecanoic acid (PFTrDA)	7.35	5	663.23	619.21
20. Perfluorotetradecanoic acid (PFTA)	7.67	5	713.23	669.23

Column Raptor C18 (cat.# 9304552)
Dimensions: 50 mm x 2.1 mm ID
Particle Size: 5 µm
Pore Size: 90 Å
Temp.: 40 °C
Sample
Diluent: 96:4 Methanol:water
Conc.: 5–10 ng/mL
Inj. Vol.: 2 µL
Mobile Phase
A: 5 mM ammonium acetate in water
B: Methanol

Time (min)	Flow (mL/min)	%A	%B
0.00	0.4	75	25
8.00	0.4	15	85
8.01	0.4	75	25
9.00	0.4	75	25

Detector MS/MS
Ion Source: Electrospray
Ion Mode: ESI-
Mode: MRM
Instrument Waters ACQUITY



AUTHORIZED DISTRIBUTOR

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