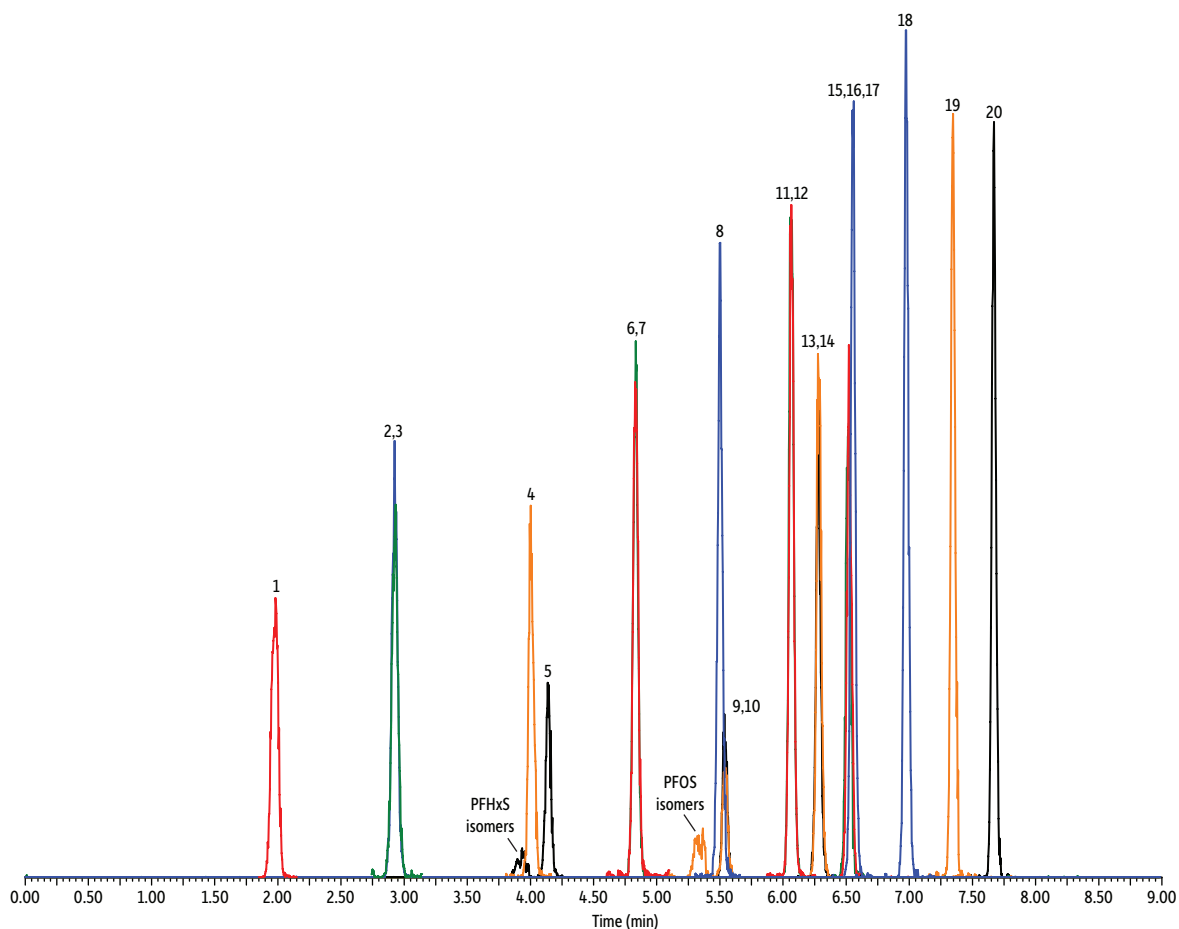


Perfluorinated Alkyl Acids on Raptor C18 by LC-MS/MS for EPA Method 537



LC_EV0548

Peaks	tr (min)	Conc. (ng/mL)	Precursor Ion	Product Ion	Column	Dimensions:	Particle Size:	Pore Size:	Temp.:	Sample	Diluent:	Conc.:	Inj. Vol.:	Mobile Phase	A:	B:	Time (min)	Flow (mL/min)	%A	%B
1. Perfluorobutanesulfonic acid (PFBS)	1.98	10	299.10	79.99	Raptor C18 (cat.# 9304552)	50 mm x 2.1 mm ID	5 µm	90 Å	40 °C		96:4 Methanol:water	5-10 ng/mL	2 µL				0.00	0.4	75	25
2. Perfluoro- <i>n</i> -[1,2- ¹³ C ₂]hexanoic acid (¹³ C-PFHxA)	2.92	10	315.13	270.13													8.00	0.4	15	85
3. Perfluorohexanoic acid (PFHxA)	2.93	10	313.10	269.12													8.01	0.4	75	25
4. Perfluoroheptanoic acid (PFHpA)	4.00	5	363.16	319.09													9.00	0.4	75	25
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 (PFTriDA)	7.35	5	663.23	619.21																
20. Perfluorotetradecanoic acid (PFTA)	7.67	5	713.23	669.23																

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