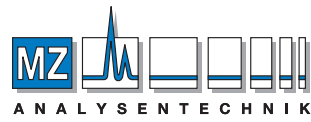


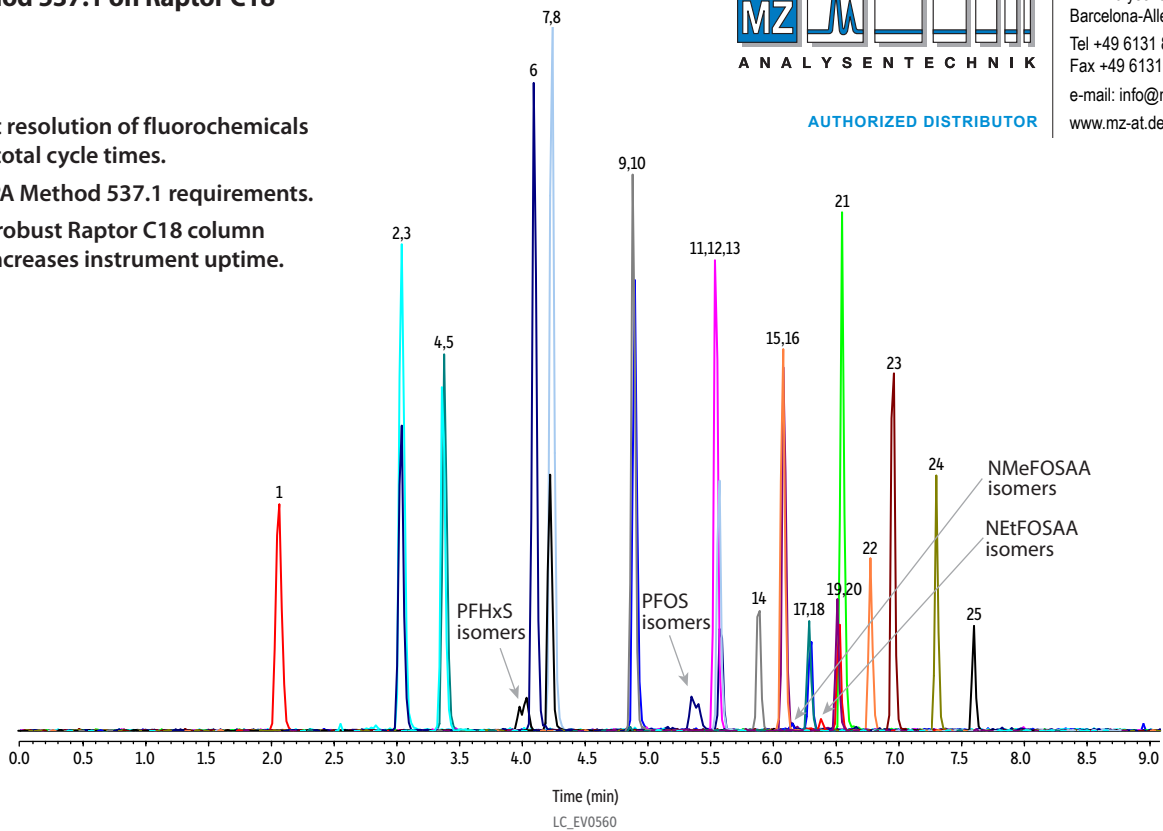
EPA Method 537.1 on Raptor C18



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AUTHORIZED DISTRIBUTOR

- Excellent resolution of fluorochemicals in short total cycle times.
- Meets EPA Method 537.1 requirements.
- Unique, robust Raptor C18 column design increases instrument uptime.



| Peaks | t _R (min) | Conc. (ng/mL) | Precursor Ion | Product Ion |
|--|----------------------|---------------|---------------|-------------|
| 1. Perfluorobutanesulfonic acid (PFBS) | 2.06 | 10 | 298.8 | 79.9 |
| 2. Perfluoro-n-[1,2- ¹³ C ₂]hexanoic acid (¹³ C ₂ -PFHxA) | 3.03 | 5 | 314.9 | 270.0 |
| 3. Perfluorohexanoic acid (PFHxA) | 3.04 | 5 | 312.9 | 268.7 |
| 4. Tetrafluoro-2-heptafluoropropoxy- ¹³ C ₃ -propanoic acid (¹³ C ₃ -HFPO-DA) | 3.36 | 5 | 286.8 | 168.7 |
| 5. Hexafluoropropylene oxide dimer acid (HFPO-DA) | 3.38 | 5 | 285.0 | 168.9 |
| 6. Perfluoroheptanoic acid (PFHpA) | 4.09 | 5 | 362.8 | 318.8 |
| 7. Perfluorohexanesulfonic acid (PFHxS) | 4.22 | 10 | 398.8 | 79.9 |
| 8. 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | 4.24 | 5 | 376.9 | 250.7 |
| 9. Perfluoro-[1,2- ¹³ C ₂]octanoic acid (¹³ C ₂ -PFOA) | 4.88 | 5 | 415.0 | 370.0 |
| 10. Perfluorooctanoic acid (PFOA) | 4.90 | 5 | 413.1 | 368.9 |
| 11. Perfluorononanoic acid (PFNA) | 5.54 | 5 | 462.9 | 418.9 |
| 12. Perfluoro-1-[1,2,3,4- ¹³ C ₄]octanesulfonic acid (¹³ C ₄ -PFOS) | 5.57 | 10 | 503.0 | 80.0 |
| 13. Perfluorooctanesulfonic acid (PFOS) | 5.58 | 10 | 498.9 | 80.0 |
| 14. 9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS) | 5.88 | 5 | 530.8 | 350.7 |
| 15. Perfluoro-n-[1,2- ¹³ C ₂]decanoic acid (¹³ C ₂ -PFDA) | 6.08 | 5 | 514.9 | 469.9 |
| 16. Perfluorodecanoic acid (PFDA) | 6.08 | 5 | 512.9 | 469.0 |
| 17. N-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid (d3-NMeFOSAA) | 6.28 | 10 | 572.9 | 418.8 |
| 18. N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA) | 6.30 | 10 | 569.8 | 418.8 |
| 19. N-deuterioethylperfluoro-1-octanesulfonamidoacetic acid (d5-NEtFOSAA) | 6.51 | 10 | 588.9 | 418.8 |
| 20. N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA) | 6.52 | 10 | 583.8 | 418.8 |
| 21. Perfluoroundecanoic acid (PFUnA) | 6.55 | 5 | 562.9 | 518.8 |
| 22. 11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF30Uds) | 6.77 | 5 | 630.7 | 451.0 |
| 23. Perfluorododecanoic acid (PFDoA) | 6.95 | 5 | 612.7 | 568.9 |
| 24. Perfluorotridecanoic acid (PFTrDA) | 7.30 | 5 | 662.7 | 618.8 |
| 25. Perfluorotetradecanoic acid (PFTA) | 7.60 | 5 | 712.7 | 668.7 |

Column Raptor C18 (cat.# 9304A52)
 Dimensions: 50 mm x 2.1 mm ID
 Particle Size: 2.7 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: Water, 5 mM ammonium acetate
 B: Methanol

| Time (min) | Flow (mL/min) | %A | %B |
|------------|---------------|----|----|
| 0.00 | 0.4 | 70 | 30 |
| 8.00 | 0.4 | 10 | 90 |
| 8.01 | 0.4 | 70 | 30 |
| 10.0 | 0.4 | 70 | 30 |

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



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