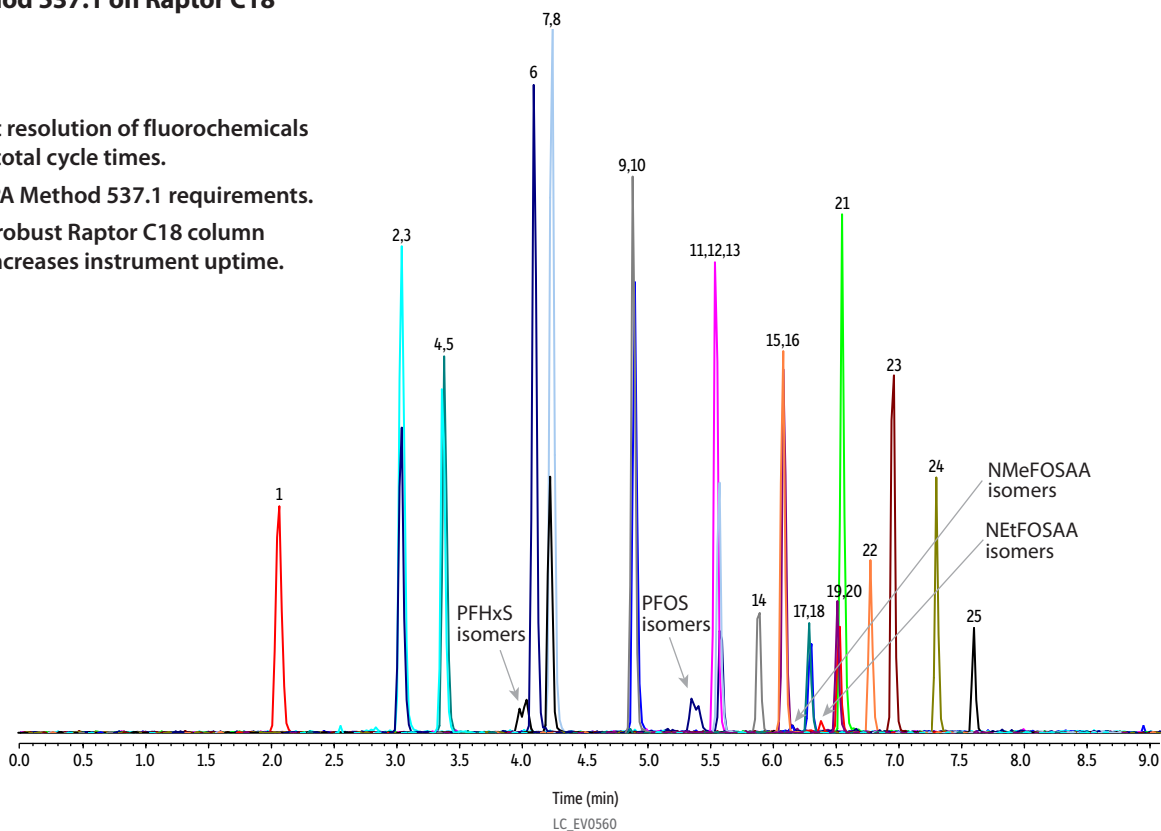


## EPA Method 537.1 on Raptor C18

- 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 <sub>R</sub> (min)	Conc. (ng/mL)	Precursor Ion	Product Ion
1. Perfluorobutanesulfonic acid (PFBS)	2.06	10	298.8	79.9
2. Perfluoro-n-[1,2- <sup>13</sup> C <sub>2</sub> ]hexanoic acid ( <sup>13</sup> C <sub>2</sub> -PFHxA)	3.03	5	314.9	270.0
3. Perfluorohexanoic acid (PFHxA)	3.04	5	312.9	268.7
4. Tetrafluoro-2-heptafluoropropoxy- <sup>13</sup> C <sub>3</sub> -propanoic acid ( <sup>13</sup> C <sub>3</sub> -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-Dioxo-3H-perfluorononanoic acid (ADONA)	4.24	5	376.9	250.7
9. Perfluoro-[1,2- <sup>13</sup> C <sub>2</sub> ]octanoic acid ( <sup>13</sup> C <sub>2</sub> -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- <sup>13</sup> C <sub>4</sub> ]octanesulfonic acid ( <sup>13</sup> C <sub>4</sub> -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- <sup>13</sup> C <sub>2</sub> ]decanoic acid ( <sup>13</sup> C <sub>2</sub> -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

