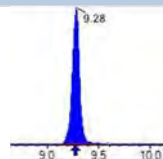
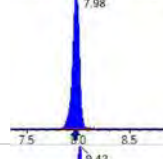
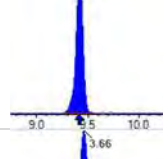
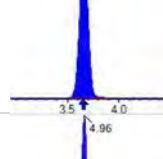
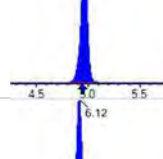
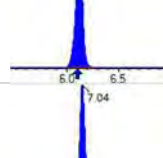
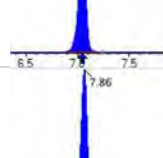
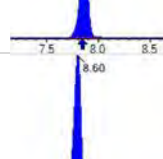
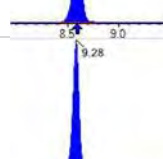
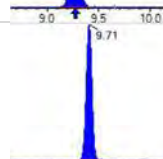
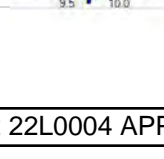
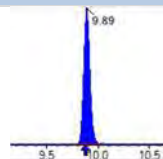
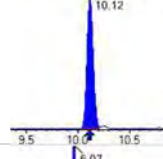
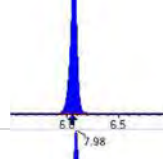
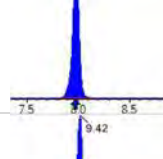
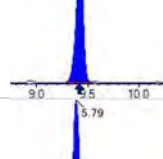
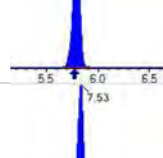
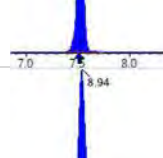
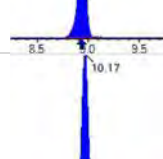
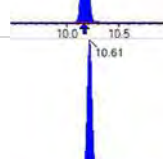
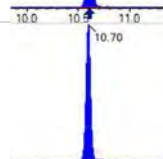
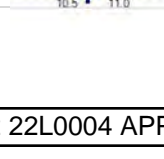


| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|----------------|------------------------------|--|-------|-------------------------------------|---------------------------------|---------------------------|---|----------------------------|------|
| 13C2_PFDA_IIS | (515.0 / 470.1) 334123 | (9.28, N/A) (N/A, 0.01, N/A) | 328.7 | N/A | 0.9808 [1.0000] | 98.1% { 91.6% } |  | | |
| 18O2_PFHxS_IIS | (403.0 / 83.9) 601295 | (7.98, N/A) (N/A, 0.02, N/A) | 639.3 | N/A | 0.9937 [1.0000] | 99.4% { 94.8% } |  | | |
| 13C4_PFOS_IIS | (503.0 / 79.9) 632346 | (9.42, N/A) (N/A, 0.01, N/A) | 514.7 | N/A | 0.9807 [1.0000] | 98.1% { 102.0% } |  | | |
| 13C4_PFBA_EIS | (217.0 / 172.0) 1751953 | (3.66, N/A) (N/A, 0.01, N/A) | 623.5 | N/A | 7.9138 [8.0000] | 98.9% { 94.5% } |  | | |
| 13C5_PFPeA_EIS | (268.0 / 223.0) 1121959 | (4.96, N/A) (N/A, 0.02, N/A) | 582.2 | N/A | 3.8968 [4.0000] | 97.4% { 94.9% } |  | | |
| 13C5_PFHxA_EIS | (318.0 / 273.0) 804211 | (6.12, N/A) (N/A, 0.02, N/A) | 753.4 | N/A | 2.0593 [2.0000] | 103.0% { 107.5% } |  | | |
| 13C4_PFHpA_EIS | (367.0 / 322.0) 665369 | (7.04, N/A) (N/A, 0.01, N/A) | 503.1 | N/A | 1.9613 [2.0000] | 98.1% { 96.9% } |  | | |
| 13C8_PFOA_EIS | (421.0 / 376.0) 785767 | (7.86, N/A) (N/A, 0.01, N/A) | 504.3 | N/A | 1.9202 [2.0000] | 96.0% { 102.6% } |  | | |
| 13C9_PFNA_EIS | (472.0 / 427.0) 317115 | (8.60, N/A) (N/A, 0.01, N/A) | 465.1 | N/A | 1.1122 [1.0000] | 111.2% { 103.6% } |  | | |
| 13C6_PFDA_EIS | (519.0 / 474.0) 425391 | (9.28, N/A) (N/A, 0.01, N/A) | 502.7 | N/A | 1.0540 [1.0000] | 105.4% { 98.5% } |  | | |
| 13C7_PFUnA_EIS | (570.0 / 525.0) 565465 | (9.71, N/A) (N/A, 0.01, N/A) | 551.6 | N/A | 1.1393 [1.0000] | 113.9% { 100.7% } |  | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-I[μ min], Δ RT- CV[μ min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|-----------------|------------------------------|---|--------|-------------------------------------|---------------------------------|---------------------------|---|----------------------------|------|
| 13C2_PFDa_EIS | (615.0 / 570.0) 478887 | (9.89, N/A) (N/A, 0.01, N/A) | 515.5 | N/A | 0.9668 [1.0000] | 96.7% { 82.8% } |  | | |
| 13C2_PFTeDA_EIS | (715.0 / 670.0) 328159 | (10.12, N/A) (N/A, 0.00, N/A) | 767.0 | N/A | 1.0456 [1.0000] | 104.6% { 98.2% } |  | | |
| 13C3_PFBs_EIS | (302.0 / 80.0) 1944575 | (6.07, N/A) (N/A, 0.02, N/A) | 578.0 | N/A | 2.1368 [2.0000] | 106.8% { 106.2% } |  | | |
| 13C3_PFHxS_EIS | (402.0 / 80.0) 1016729 | (7.98, N/A) (N/A, 0.02, N/A) | 806.7 | N/A | 2.0634 [2.0000] | 103.2% { 102.3% } |  | | |
| 13C8_PFOS_EIS | (507.0 / 80.0) 1702989 | (9.42, N/A) (N/A, 0.01, N/A) | 301.8 | N/A | 2.2348 [2.0000] | 111.7% { 103.8% } |  | | |
| 13C2_4:2FTS_EIS | (329.0 / 81.0) 432685 | (5.79, N/A) (N/A, 0.01, N/A) | 620.6 | N/A | 4.2084 [4.0000] | 105.2% { 99.8% } |  | | |
| 13C2_6:2FTS_EIS | (429.0 / 81.0) 620601 | (7.53, N/A) (N/A, 0.02, N/A) | 573.1 | N/A | 4.5620 [4.0000] | 114.1% { 107.7% } |  | | |
| 13C2_8:2FTS_EIS | (529.0 / 81.0) 785174 | (8.94, N/A) (N/A, 0.01, N/A) | 611.8 | N/A | 4.5788 [4.0000] | 114.5% { 123.6% } |  | | |
| 13C8_PFOsa_EIS | (506.0 / 78.0) 2019888 | (10.17, N/A) (N/A, 0.00, N/A) | 578.3 | N/A | 2.2710 [2.0000] | 113.5% { 112.3% } |  | | |
| D3_NMeFOSA_EIS | (515.0 / 169.0) 320384 | (10.61, N/A) (N/A, 0.00, N/A) | 1069.0 | N/A | 1.9048 [2.0000] | 95.2% { 86.7% } |  | | |
| D5_NEtFOSA_EIS | (531.0 / 169.0) 320790 | (10.70, N/A) (N/A, 0.00, N/A) | 741.8 | N/A | 2.0823 [2.0000] | 104.1% { 94.2% } |  | | |

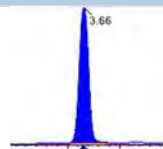
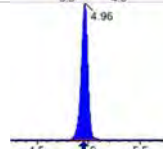
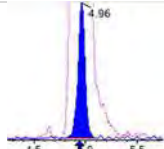
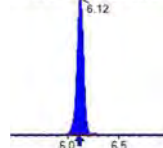
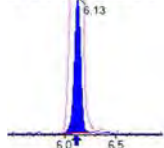
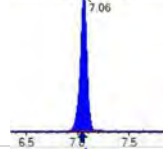
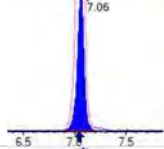
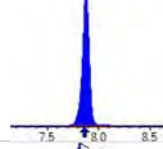
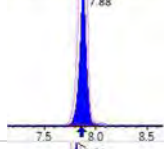
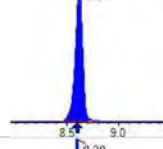
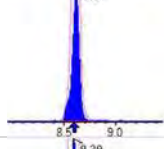
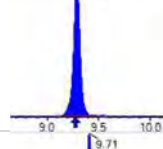
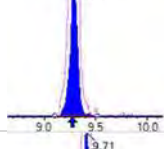
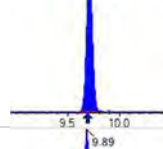
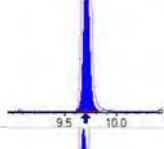
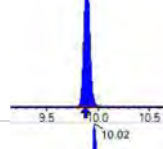
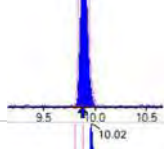
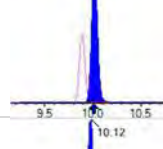
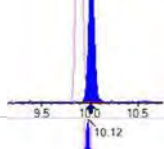
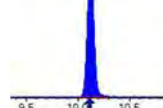
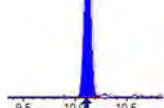


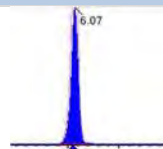
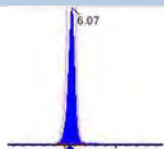
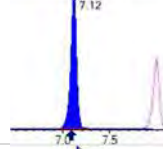
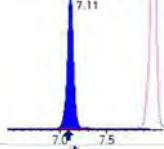
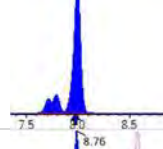
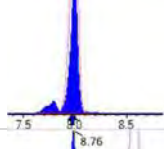
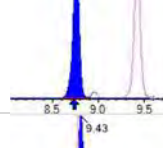
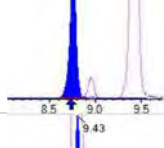
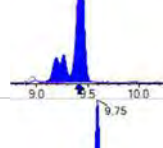
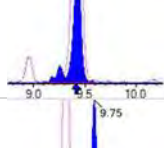
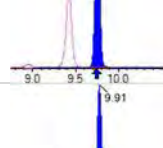
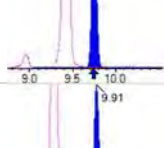
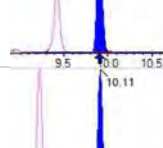
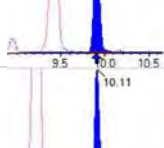
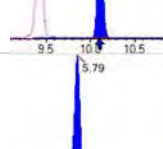
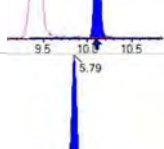
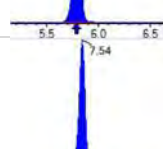
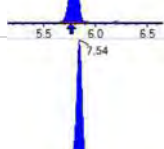
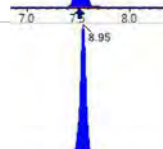
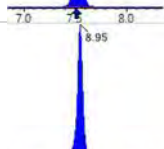

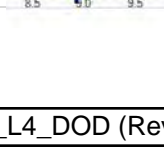
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 Instrument: Saphira
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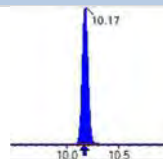
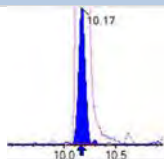
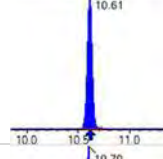
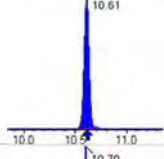
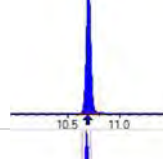
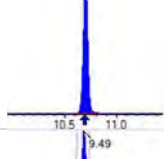
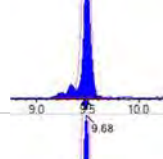
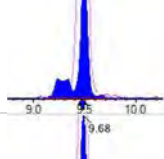
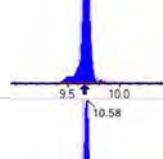
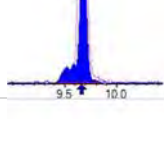
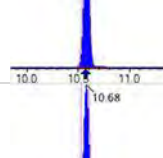
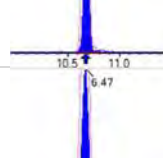
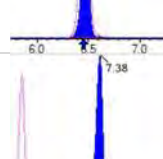
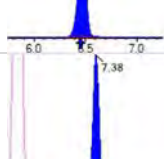
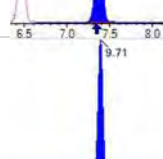
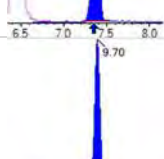
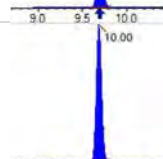
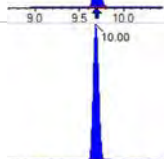
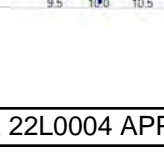
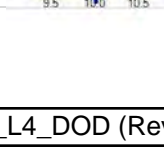
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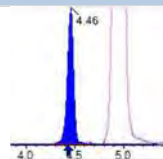
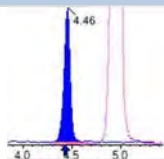
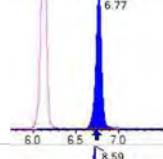
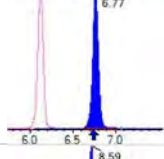
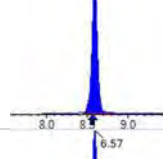
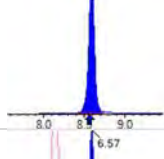
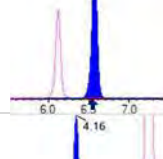
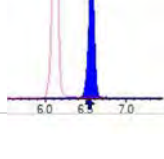
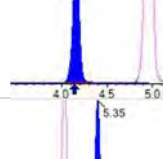
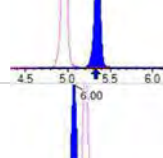
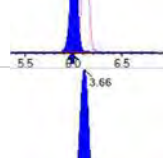
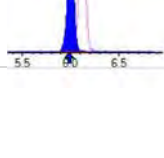
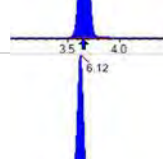
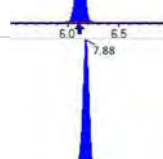
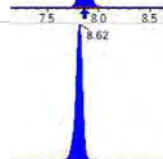
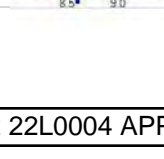
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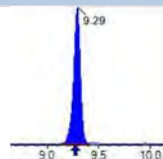
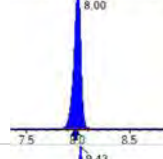
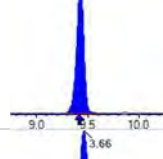
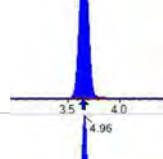
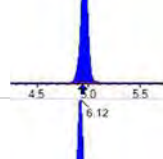
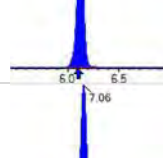
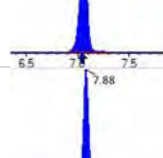
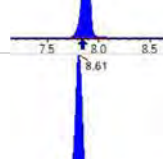
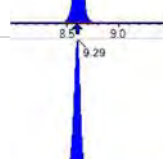
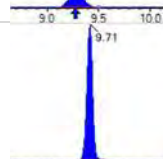
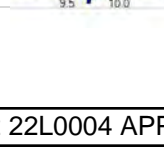
| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (ΔRT-I[min], ΔRT-CV[min], ΔRT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|-----------------|------------------------------|--|--------|-------------------------------------|---------------------------------|---------------------------|-----------------------|----------------------------|------|
| D3_MeFOSAA_EIS | (573.0 / 419.0) 958692 | (9.48 , N/A) (N/A , 0.01 , N/A) | 259.0 | N/A | 3.9984 [4.0000] | 100.0% { 94.1% } | | | |
| D5_EtFOSAA_EIS | (589.0 / 419.0) 844551 | (9.67 , N/A) (N/A , 0.01 , N/A) | 103.7 | N/A | 4.4302 [4.0000] | 110.8% { 116.7% } | | | |
| D7_NMeFOSE_EIS | (623.0 / 58.9) 729768 | (10.57 , N/A) (N/A , 0.00 , N/A) | 997.2 | N/A | 19.8592 [20.0000] | 99.3% { 90.5% } | | | |
| D9_NEtFOSE_EIS | (639.0 / 58.9) 334068 | (10.67 , N/A) (N/A , 0.00 , N/A) | 1160.0 | N/A | 19.7146 [20.0000] | 98.6% { 87.5% } | | | |
| 13C3_HFPODA_EIS | (287.0 / 169.0) 1786117 | (6.46 , N/A) (N/A , 0.01 , N/A) | 804.2 | N/A | 8.1757 [8.0000] | 102.2% { 101.5% } | | | |

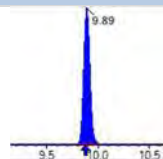
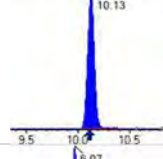
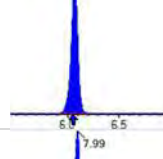
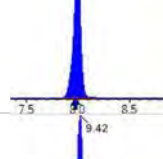
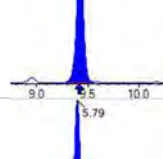
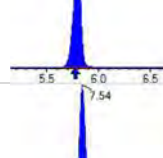
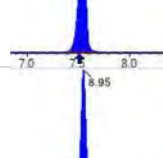
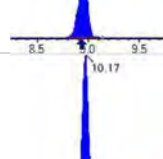
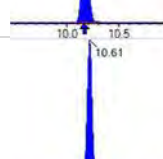
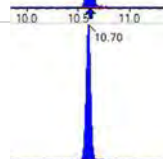
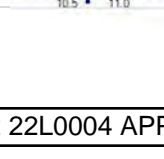
| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|---------|---|--|----------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| PFBA | (213.0 / 169.0) 1746592 | (3.66, 1.00) (0.00, N/A, 0.0) | 463.1 | N/A 0.0 0.0 | 8.1743 [8.0000] | 102.2% |  | | |
| PFPeA | (263.0 / 219.0) 1143154 (263.0 / 69.0) 12551 | (4.96, 1.00) (0.00, N/A, 0.0) | 689.0 156.1 | 0.0110 106.2 106.2 | 4.1190 [4.0000] | 103.0% |  |  | |
| PFHxA | (313.0 / 269.0) 797750 (313.0 / 119.0) 70122 | (6.12, 1.00) (0.00, N/A, -0.2) | 545.0 258.3 | 0.0879 90.3 90.3 | 1.9845 [2.0000] | 99.2% |  |  | |
| PFHpA | (363.0 / 319.0) 740963 (363.0 / 169.0) 199130 | (7.06, 1.00) (0.00, N/A, 0.0) | 459.7 416.3 | 0.2687 93.9 93.9 | 1.9815 [2.0000] | 99.1% |  |  | |
| PFOA | (413.0 / 369.0) 775175 (413.0 / 169.0) 249779 | (7.88, 1.00) (0.00, N/A, 0.0) | 549.5 557.4 | 0.3222 106.1 106.1 | 1.8960 [2.0000] | 94.8% |  |  | |
| PFNA | (463.0 / 419.0) 611676 (463.0 / 169.0) 124210 | (8.61, 1.00) (0.00, N/A, 0.0) | 396.0 434.7 | 0.2031 95.9 95.9 | 1.9056 [2.0000] | 95.3% |  |  | |
| PFDA | (513.0 / 469.0) 818330 (513.0 / 169.0) 81956 | (9.29, 1.00) (0.00, N/A, 0.0) | 430.2 159.2 | 0.1002 108.6 108.6 | 2.0742 [2.0000] | 103.7% |  |  | |
| PFUnA | (563.0 / 519.0) 1057718 (563.0 / 169.0) 110516 | (9.71, 1.00) (0.00, N/A, 0.0) | 668.2 310.7 | 0.1045 135.8 135.8 | 1.9880 [2.0000] | 99.4% |  |  | |
| PFDoA | (613.0 / 569.0) 1141895 (613.0 / 169.0) 123268 | (9.89, 1.00) (0.00, N/A, 0.1) | 916.2 365.5 | 0.1080 80.1 80.1 | 2.4030 [2.0000] | 120.1% |  |  | |
| PFTrDA | (663.0 / 619.0) 1003438 (663.0 / 169.0) 191860 | (10.02, 1.01) (N/A, 0.01, 0.1) | 560.2 320.6 | 0.1912 87.8 87.8 | 2.4201 [2.0000] | 121.0% |  |  | |
| PFTeDA | (713.0 / 669.0) 641590 (713.0 / 169.0) 154129 | (10.12, 1.00) (0.00, N/A, -0.1) | 447.4 271.7 | 0.2402 121.7 121.7 | 2.2137 [2.0000] | 110.7% |  |  | |

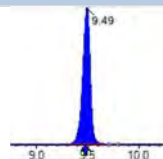
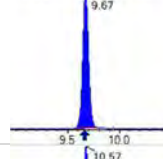
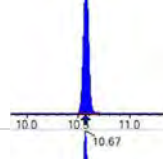
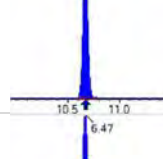
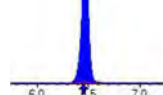
| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|---------|---|--|-----------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| PFBS | (299.0 / 80.0) 1067562 (299.0 / 99.0) 673423 | (6.07, 1.00) (0.00, N/A, 0.0) | 578.1 561.8 | 0.6308 96.0 96.0 | 1.7737 [1.7695] | 100.2% |  |  | |
| PFPeS | (349.0 / 80.0) 1906817 (349.0 / 99.0) 653456 | (7.12, 0.89) (N/A, 0.02, 0.3) | 665.8 558.9 | 0.3427 92.4 92.4 | 1.8448 [1.8768] | 98.3% |  |  | |
| PFHxS | (399.0 / 80.0) 1617363 (399.0 / 99.0) 503578 | (7.99, 1.00) (0.00, N/A, 0.0) | 629.8 704.6 | 0.3114 95.5 95.5 | 1.7766 [1.8220] | 97.5% |  |  | |
| PFHpS | (449.0 / 80.0) 1442669 (449.0 / 99.0) 400666 | (8.76, 0.93) (N/A, 0.03, 0.0) | 576.6 492.2 | 0.2777 106.6 106.6 | 1.8711 [1.9028] | 98.3% |  |  | |
| PFOS | (499.0 / 80.0) 1744048 (499.0 / 99.0) 352266 | (9.43, 1.00) (0.01, N/A, 0.2) | 320.8 391.1 | 0.2020 97.1 97.1 | 1.9654 [1.8550] | 106.0% |  |  | |
| PFNS | (549.0 / 80.0) 2197640 (549.0 / 99.0) 514400 | (9.75, 1.04) (N/A, 0.01, 0.2) | 823.2 543.8 | 0.2341 98.3 98.3 | 2.1848 [1.9198] | 113.8% |  |  | |
| PFDS | (599.0 / 80.0) 2642696 (599.0 / 99.0) 532100 | (9.91, 1.05) (N/A, 0.01, -0.1) | 1075.5 615.4 | 0.2013 76.5 76.5 | 2.1728 [1.9262] | 112.8% |  |  | |
| PFDoS | (699.0 / 80.0) 1243841 (699.0 / 99.0) 255263 | (10.11, 1.07) (N/A, 0.01, 0.2) | 845.1 466.5 | 0.2052 104.7 104.7 | 2.1717 [1.9391] | 112.0% |  |  | |
| 4:2FTS | (327.0 / 307.0) 2707026 (327.0 / 81.0) 1711075 | (5.79, 1.00) (0.00, N/A, 0.1) | 660.4 503.9 | 0.6321 88.3 88.3 | 7.6676 [7.4762] | 102.6% |  |  | |
| 6:2FTS | (427.0 / 407.0) 1862302 (427.0 / 81.0) 1378468 | (7.54, 1.00) (0.00, N/A, -0.1) | 596.1 595.9 | 0.7402 100.1 100.1 | 8.5325 [7.5923] | 112.4% |  |  | |
| 8:2FTS | (527.0 / 507.0) 2235329 (527.0 / 81.0) 1599094 | (8.95, 1.00) (0.00, N/A, 0.0) | 485.8 465.5 | 0.7154 116.9 116.9 | 8.5224 [7.6663] | 111.2% |  |  | |

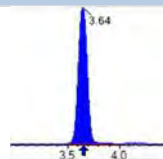
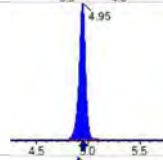
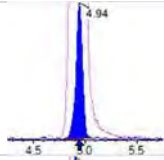
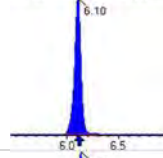
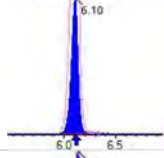
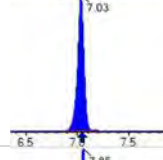
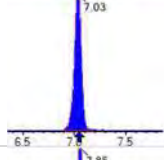
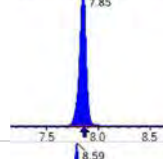
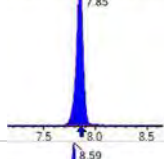
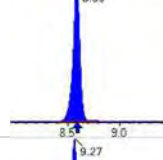
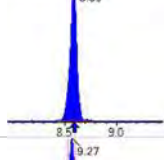
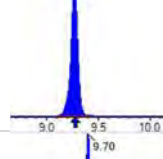
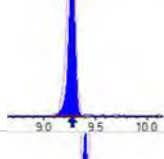
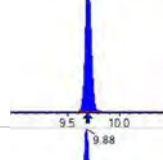
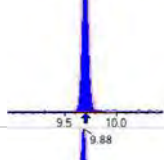
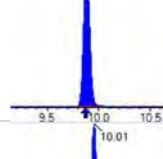
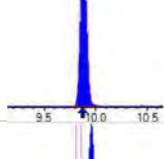
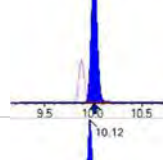
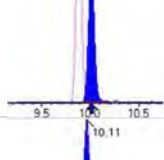
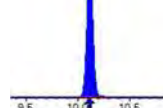
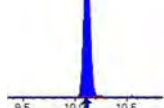
| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|--------------|--|--|------------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| PFOSA | (498.0 / 78.0) 2528391 (498.0 / 478.0) 54462 | (10.17, 1.00) (0.00, N/A, 0.1) | 1438.2 197.4 | 0.0215 103.2 103.2 | 2.3037 [2.0000] | 115.2% |  |  | |
| NMeFOSA | (512.0 / 219.0) 1457492 (512.0 / 169.0) 981327 | (10.61, 1.00) (0.00, N/A, 0.1) | 1299.5 1181.0 | 0.6733 97.3 97.3 | 8.7769 [8.0000] | 109.7% |  |  | |
| NEIFOSA | (526.0 / 219.0) 1277219 (526.0 / 169.0) 1367409 | (10.70, 1.00) (0.00, N/A, 0.0) | 1532.2 1505.5 | 1.0706 107.9 107.9 | 8.1764 [8.0000] | 102.2% |  |  | |
| NMeFOSAA | (570.0 / 419.0) 485695 (570.0 / 483.0) 242946 | (9.49, 1.00) (0.00, N/A, -0.2) | 328.4 259.5 | 0.5002 89.9 89.9 | 2.1425 [2.0000] | 107.1% |  |  | |
| NEIFOSAA | (584.0 / 419.0) 392130 (584.0 / 526.0) 251286 | (9.68, 1.00) (0.01, N/A, -0.1) | 771.2 383.6 | 0.6408 108.0 108.0 | 1.7545 [2.0000] | 87.7% |  |  | |
| NMeFOSE | (616.0 / 59.0) 405865 | (10.58, 1.00) (0.00, N/A, 0.0) | 925.3 | N/A 0.0 0.0 | 8.3761 [8.0000] | 104.7% |  | | |
| NEtFOSE | (630.0 / 59.0) 75547 | (10.68, 1.00) (0.01, N/A, 0.0) | 662.6 | N/A 0.0 0.0 | 8.2808 [8.0000] | 103.5% |  | | |
| HFPO-DA | (285.0 / 169.0) 604711 (285.0 / 185.0) 1638389 | (6.47, 1.00) (0.00, N/A, 0.0) | 689.2 578.8 | 2.7094 105.7 105.7 | 3.9228 [4.0000] | 98.1% |  |  | |
| ADONA | (377.0 / 85.0) 2264043 (377.0 / 251.0) 284553 | (7.38, 1.14) (N/A, 0.03, 0.1) | 602.9 356.1 | 0.1257 102.1 102.1 | 3.6856 [3.7708] | 97.7% |  |  | |
| 9CI-Pf3ONS | (531.0 / 351.0) 7259867 (533.0 / 353.0) 2196634 | (9.71, 1.50) (N/A, 0.01, 0.1) | 800.4 783.4 | 0.3026 95.8 95.8 | 4.3271 [3.7330] | 115.9% |  |  | |
| 11CI-PF3OUDS | (631.0 / 451.0) 3998329 (633.0 / 453.0) 1172098 | (10.00, 1.55) (N/A, 0.01, -0.1) | 1056.6 896.3 | 0.2931 94.6 94.6 | 4.2107 [3.7728] | 111.6% |  |  | |

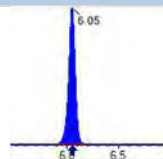
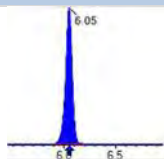
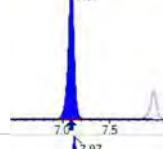
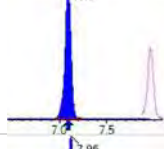
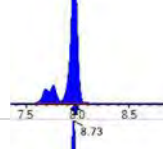
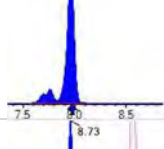
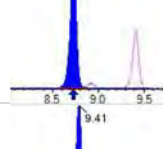
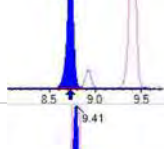
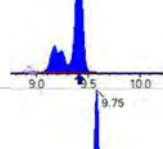
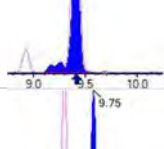
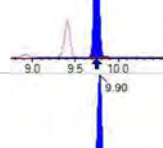
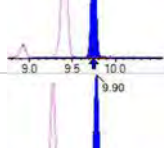
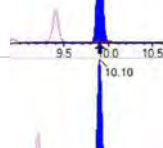
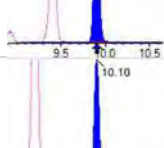
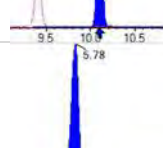
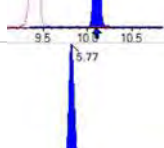
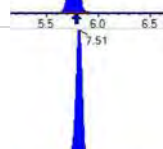
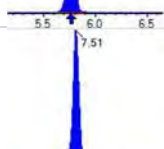
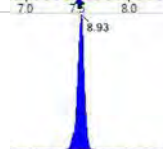
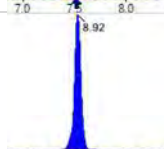
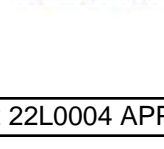
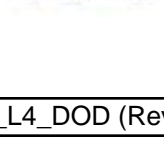
| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|----------------|--|--|----------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| 3:3FTCA | (241.0 / 177.0) 73570 (241.0 / 117.0) 105248 | (4.46, 0.90) (N/A, 0.02, 0.2) | 567.9 264.9 | 1.4306 108.8 108.8 | 7.7124 [8.0000] | 96.4% |  |  | |
| 5:3FTCA | (341.0 / 236.7) 515125 (341.0 / 217.0) 803061 | (6.77, 1.11) (N/A, 0.03, 0.2) | 471.5 414.3 | 1.5590 86.9 86.9 | 8.3720 [8.0000] | 104.6% |  |  | |
| 7:3FTCA | (441.0 / 317.0) 645121 (441.0 / 337.0) 555757 | (8.59, 1.40) (N/A, 0.03, 0.0) | 377.3 448.9 | 0.8615 104.5 104.5 | 8.0487 [8.0000] | 100.6% |  |  | |
| PFEESA | (315.0 / 135.0) 1318002 (315.0 / 83.0) 401393 | (6.57, 1.07) (N/A, 0.02, 0.0) | 732.0 563.7 | 0.3045 99.9 99.9 | 3.5709 [3.5698] | 100.0% |  |  | |
| PFMPA | (229.0 / 85.0) 314218 | (4.16, 0.84) (N/A, 0.02, 0.0) | 784.7 | N/A 0.0 0.0 | 3.8767 [4.0000] | 96.9% |  | | |
| PFMBA | (279.0 / 85.0) 916020 | (5.35, 1.08) (N/A, 0.02, 0.0) | 712.6 | N/A 0.0 0.0 | 3.9630 [4.0000] | 99.1% |  | | |
| NFDHA | (295.0 / 201.0) 736503 (295.0 / 85.0) 687294 | (6.00, 0.98) (N/A, 0.02, 0.0) | 623.8 669.0 | 0.9332 108.6 108.6 | 3.7326 [4.0000] | 93.3% |  |  | |
| 13C3_PFBA_IIS | (216.0 / 172.0) 227206 | (3.66, N/A) (N/A, 0.01, N/A) | 511.3 | N/A | 1.0550 [1.0000] | 105.5% { 99.2% } |  | | |
| 13C2_PFHxA_IIS | (315.0 / 270.0) 361923 | (6.12, N/A) (N/A, 0.02, N/A) | 538.9 | N/A | 0.9534 [1.0000] | 95.3% { 93.1% } |  | | |
| 13C4_PFOA_IIS | (417.0 / 372.0) 369788 | (7.88, N/A) (N/A, 0.03, N/A) | 566.7 | N/A | 1.0244 [1.0000] | 102.4% { 98.5% } |  | | |
| 13C5_PFNA_IIS | (468.0 / 423.0) 299965 | (8.62, N/A) (N/A, 0.03, N/A) | 410.7 | N/A | 1.0201 [1.0000] | 102.0% { 98.1% } |  | | |

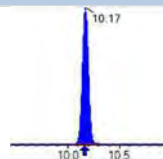
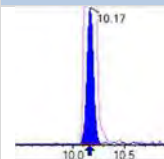
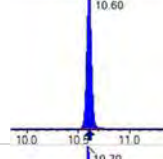
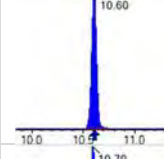
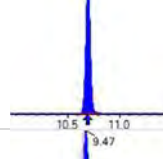
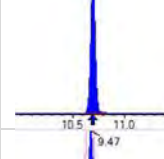
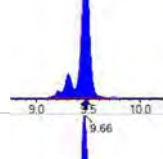
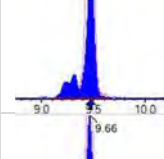
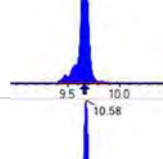
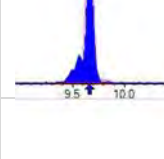
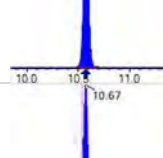
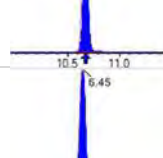
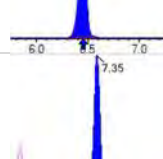
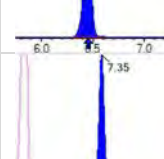
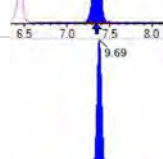
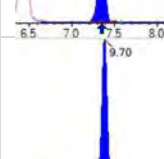
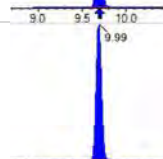
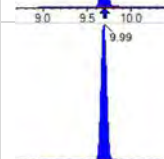
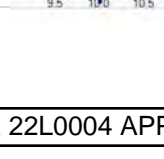
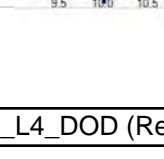
| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|----------------|------------------------------|--|-------|-------------------------------------|---------------------------------|---------------------------|---|----------------------------|------|
| 13C2_PFDA_IIS | (515.0 / 470.1) 371225 | (9.29, N/A) (N/A, 0.02, N/A) | 354.1 | N/A | 1.0898 [1.0000] | 109.0% { 101.8% } |  | | |
| 18O2_PFHxS_IIS | (403.0 / 83.9) 622794 | (8.00, N/A) (N/A, 0.03, N/A) | 679.5 | N/A | 1.0293 [1.0000] | 102.9% { 98.2% } |  | | |
| 13C4_PFOS_IIS | (503.0 / 79.9) 616990 | (9.43, N/A) (N/A, 0.02, N/A) | 382.7 | N/A | 0.9569 [1.0000] | 95.7% { 99.5% } |  | | |
| 13C4_PFBA_EIS | (217.0 / 172.0) 1829496 | (3.66, N/A) (N/A, 0.01, N/A) | 650.5 | N/A | 8.0203 [8.0000] | 100.3% { 98.7% } |  | | |
| 13C5_PFPeA_EIS | (268.0 / 223.0) 1169132 | (4.96, N/A) (N/A, 0.02, N/A) | 726.4 | N/A | 4.2817 [4.0000] | 107.0% { 98.9% } |  | | |
| 13C5_PFHxA_EIS | (318.0 / 273.0) 810208 | (6.12, N/A) (N/A, 0.02, N/A) | 601.7 | N/A | 2.1876 [2.0000] | 109.4% { 108.3% } |  | | |
| 13C4_PFHpA_EIS | (367.0 / 322.0) 713694 | (7.06, N/A) (N/A, 0.02, N/A) | 408.7 | N/A | 2.2183 [2.0000] | 110.9% { 103.9% } |  | | |
| 13C8_PFOA_EIS | (421.0 / 376.0) 767588 | (7.88, N/A) (N/A, 0.03, N/A) | 551.6 | N/A | 2.0288 [2.0000] | 101.4% { 100.2% } |  | | |
| 13C9_PFNA_EIS | (472.0 / 427.0) 332575 | (8.61, N/A) (N/A, 0.03, N/A) | 468.5 | N/A | 1.0671 [1.0000] | 106.7% { 108.6% } |  | | |
| 13C6_PFDA_EIS | (519.0 / 474.0) 397853 | (9.29, N/A) (N/A, 0.02, N/A) | 343.2 | N/A | 0.8873 [1.0000] | 88.7% { 92.2% } |  | | |
| 13C7_PFUnA_EIS | (570.0 / 525.0) 582995 | (9.71, N/A) (N/A, 0.01, N/A) | 583.2 | N/A | 1.0572 [1.0000] | 105.7% { 103.8% } |  | | |

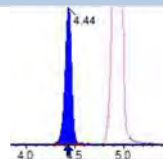
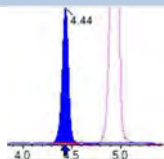
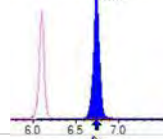
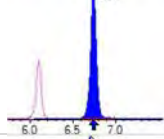
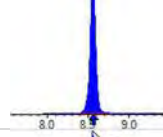
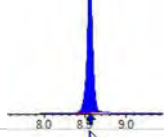
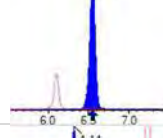
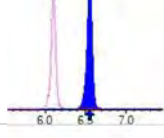
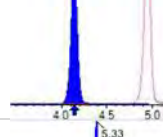
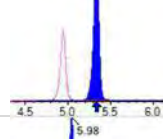
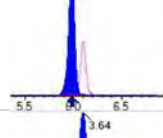
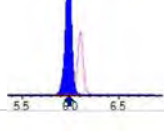
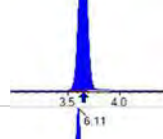
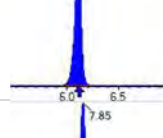
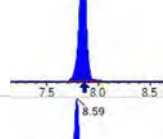
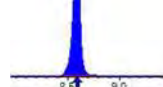
| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|-----------------|------------------------------|--|-------|-------------------------------------|---------------------------------|---------------------------|---|----------------------------|------|
| 13C2_PFDa_EIS | (615.0 / 570.0) 495845 | (9.89, N/A) (N/A, 0.01, N/A) | 546.3 | N/A | 0.9010 [1.0000] | 90.1% { 85.8% } |  | | |
| 13C2_PFTeDA_EIS | (715.0 / 670.0) 286518 | (10.13, N/A) (N/A, 0.01, N/A) | 520.4 | N/A | 0.8217 [1.0000] | 82.2% { 85.7% } |  | | |
| 13C3_PFBs_EIS | (302.0 / 80.0) 1886917 | (6.07, N/A) (N/A, 0.02, N/A) | 619.1 | N/A | 2.0019 [2.0000] | 100.1% { 103.1% } |  | | |
| 13C3_PFHxS_EIS | (402.0 / 80.0) 1051181 | (7.99, N/A) (N/A, 0.03, N/A) | 650.7 | N/A | 2.0596 [2.0000] | 103.0% { 105.7% } |  | | |
| 13C8_PFOS_EIS | (507.0 / 80.0) 1524113 | (9.42, N/A) (N/A, 0.02, N/A) | 272.1 | N/A | 2.0498 [2.0000] | 102.5% { 92.9% } |  | | |
| 13C2_4:2FTS_EIS | (329.0 / 81.0) 415297 | (5.79, N/A) (N/A, 0.02, N/A) | 541.1 | N/A | 3.8999 [4.0000] | 97.5% { 95.8% } |  | | |
| 13C2_6:2FTS_EIS | (429.0 / 81.0) 543773 | (7.54, N/A) (N/A, 0.03, N/A) | 645.1 | N/A | 3.8593 [4.0000] | 96.5% { 94.4% } |  | | |
| 13C2_8:2FTS_EIS | (529.0 / 81.0) 672589 | (8.95, N/A) (N/A, 0.03, N/A) | 450.8 | N/A | 3.7869 [4.0000] | 94.7% { 105.9% } |  | | |
| 13C8_PFOsa_EIS | (506.0 / 78.0) 1892821 | (10.17, N/A) (N/A, 0.01, N/A) | 783.7 | N/A | 2.1811 [2.0000] | 109.1% { 105.3% } |  | | |
| D3_NMeFOSA_EIS | (515.0 / 169.0) 341896 | (10.61, N/A) (N/A, 0.00, N/A) | 927.6 | N/A | 2.0833 [2.0000] | 104.2% { 92.6% } |  | | |
| D5_NEtFOSA_EIS | (531.0 / 169.0) 314966 | (10.70, N/A) (N/A, 0.00, N/A) | 774.4 | N/A | 2.0954 [2.0000] | 104.8% { 92.5% } |  | | |

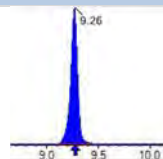
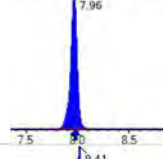
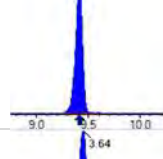
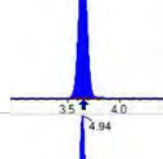
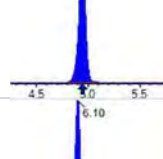
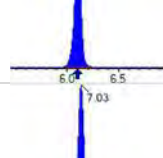
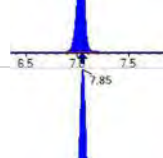
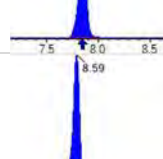
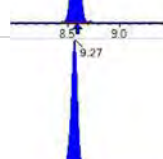
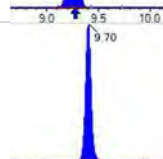
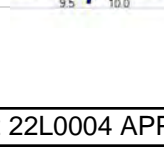
| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-I[μ min], Δ RT-CV[μ min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|-----------------|------------------------------|---|-------|-------------------------------------|---------------------------------|---------------------------|--|----------------------------|------|
| D3_MeFOSAA_EIS | (573.0 / 419.0) 999275 | (9.49, N/A) (N/A, 0.02, N/A) | 362.3 | N/A | 4.2714 [4.0000] | 106.8% { 98.1% } |  | | |
| D5_EtFOSAA_EIS | (589.0 / 419.0) 906884 | (9.67, N/A) (N/A, 0.01, N/A) | 124.4 | N/A | 4.8755 [4.0000] | 121.9% { 125.3% } |  | | |
| D7_NMeFOSE_EIS | (623.0 / 58.9) 793746 | (10.57, N/A) (N/A, 0.01, N/A) | 842.5 | N/A | 22.1378 [20.0000] | 110.7% { 98.4% } |  | | |
| D9_NEtFOSE_EIS | (639.0 / 58.9) 339156 | (10.67, N/A) (N/A, 0.00, N/A) | 881.8 | N/A | 20.5131 [20.0000] | 102.6% { 88.8% } |  | | |
| 13C3_HFPODA_EIS | (287.0 / 169.0) 1776569 | (6.47, N/A) (N/A, 0.02, N/A) | 704.8 | N/A | 8.5748 [8.0000] | 107.2% { 101.0% } |  | | |

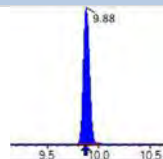
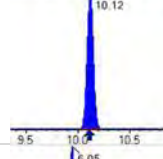
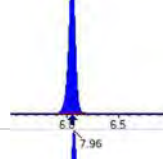
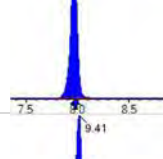
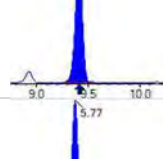
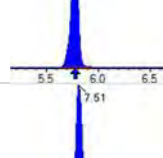
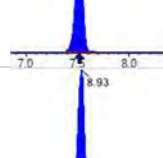
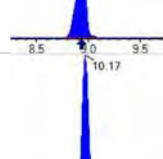
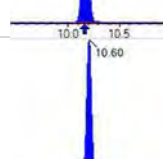
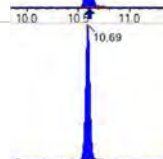
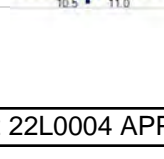
| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|---------|---|--|----------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| PFBA | (213.0 / 169.0) 4531744 | (3.64, 1.00) (0.00, N/A, 0.0) | 507.6 | N/A 0.0 0.0 | 20.9395 [20.0000] | 104.7% |  | | |
| PFPeA | (263.0 / 219.0) 3002672 (263.0 / 69.0) 31032 | (4.95, 1.00) (0.00, N/A, 0.0) | 565.7 266.4 | 0.0103 100.0 100.0 | 10.6951 [10.0000] | 107.0% |  |  | |
| PFHxA | (313.0 / 269.0) 1843854 (313.0 / 119.0) 179455 | (6.10, 1.00) (0.00, N/A, 0.0) | 525.9 455.3 | 0.0973 100.0 100.0 | 4.9671 [5.0000] | 99.3% |  |  | |
| PFHpA | (363.0 / 319.0) 1792202 (363.0 / 169.0) 512753 | (7.03, 1.00) (0.00, N/A, 0.0) | 520.9 532.4 | 0.2861 100.0 100.0 | 4.9808 [5.0000] | 99.6% |  |  | |
| PFOA | (413.0 / 369.0) 2079803 (413.0 / 169.0) 631506 | (7.85, 1.00) (0.00, N/A, 0.1) | 580.6 575.6 | 0.3036 100.0 100.0 | 5.0965 [5.0000] | 101.9% |  |  | |
| PFNA | (463.0 / 419.0) 1540923 (463.0 / 169.0) 326254 | (8.59, 1.00) (0.00, N/A, 0.0) | 443.6 372.7 | 0.2117 100.0 100.0 | 5.2146 [5.0000] | 104.3% |  |  | |
| PFDA | (513.0 / 469.0) 2247843 (513.0 / 169.0) 207235 | (9.27, 1.00) (0.00, N/A, -0.2) | 444.4 335.6 | 0.0922 100.0 100.0 | 5.2506 [5.0000] | 105.0% |  |  | |
| PFUnA | (563.0 / 519.0) 2673029 (563.0 / 169.0) 205590 | (9.70, 1.00) (0.00, N/A, 0.0) | 649.3 287.3 | 0.0769 100.0 100.0 | 5.2172 [5.0000] | 104.3% |  |  | |
| PFDoA | (613.0 / 569.0) 2446524 (613.0 / 169.0) 329560 | (9.88, 1.00) (0.00, N/A, 0.0) | 963.7 471.5 | 0.1347 100.0 100.0 | 4.4164 [5.0000] | 88.3% |  |  | |
| PFTrDA | (663.0 / 619.0) 1954376 (663.0 / 169.0) 425761 | (10.01, 1.01) (N/A, 0.00, -0.2) | 892.5 525.9 | 0.2179 100.0 100.0 | 4.0433 [5.0000] | 80.9% |  |  | |
| PFTeDA | (713.0 / 669.0) 1618635 (713.0 / 169.0) 319417 | (10.12, 1.00) (0.00, N/A, 0.1) | 805.5 387.1 | 0.1973 100.0 100.0 | 4.7868 [5.0000] | 95.7% |  |  | |

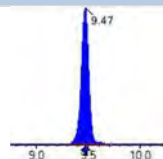
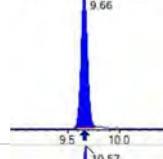
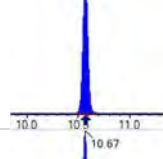
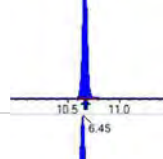
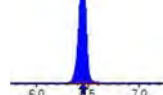
| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|---------|---|--|-----------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| PFBS | (299.0 / 80.0) 2672946 (299.0 / 99.0) 1756668 | (6.05 , 1.00) (0.00 , N/A , 0.0) | 610.8 546.4 | 0.6572 100.0 100.0 | 4.5776 [4.4237] | 103.5% |  |  | |
| PFPeS | (349.0 / 80.0) 4894758 (349.0 / 99.0) 1814428 | (7.09 , 0.89) (N/A , 0.00 , 0.1) | 689.3 676.7 | 0.3707 100.0 100.0 | 5.0079 [4.6919] | 106.7% |  |  | |
| PFHxS | (399.0 / 80.0) 3959208 (399.0 / 99.0) 1290826 | (7.97 , 1.00) (0.00 , N/A , 0.2) | 686.7 771.7 | 0.3260 100.0 100.0 | 4.5991 [4.5549] | 101.0% |  |  | |
| PFHpS | (449.0 / 80.0) 3784669 (449.0 / 99.0) 986329 | (8.73 , 0.93) (N/A , 0.00 , 0.0) | 587.2 615.2 | 0.2606 100.0 100.0 | 4.5590 [4.7570] | 95.8% |  |  | |
| PFOS | (499.0 / 80.0) 4366238 (499.0 / 99.0) 908271 | (9.41 , 1.00) (0.00 , N/A , 0.0) | 363.0 636.4 | 0.2080 100.0 100.0 | 4.5699 [4.6375] | 98.5% |  |  | |
| PFNS | (549.0 / 80.0) 4993251 (549.0 / 99.0) 1188617 | (9.75 , 1.04) (N/A , 0.00 , 0.1) | 784.6 768.3 | 0.2380 100.0 100.0 | 4.6104 [4.7994] | 96.1% |  |  | |
| PFDS | (599.0 / 80.0) 6073759 (599.0 / 99.0) 1597881 | (9.90 , 1.05) (N/A , 0.00 , 0.1) | 1011.1 645.9 | 0.2631 100.0 100.0 | 4.6381 [4.8155] | 96.3% |  |  | |
| PFDoS | (699.0 / 80.0) 3175471 (699.0 / 99.0) 622558 | (10.10 , 1.07) (N/A , 0.00 , 0.0) | 1076.8 419.6 | 0.1961 100.0 100.0 | 5.1493 [4.8478] | 106.2% |  |  | |
| 4:2FTS | (327.0 / 307.0) 6344892 (327.0 / 81.0) 4541729 | (5.78 , 1.00) (0.00 , N/A , 0.4) | 576.3 609.4 | 0.7158 100.0 100.0 | 17.2119 [18.6906] | 92.1% |  |  | |
| 6:2FTS | (427.0 / 407.0) 4427654 (427.0 / 81.0) 3272744 | (7.51 , 1.00) (0.00 , N/A , 0.1) | 646.0 723.9 | 0.7392 100.0 100.0 | 19.1499 [18.9808] | 100.9% |  |  | |
| 8:2FTS | (527.0 / 507.0) 5847930 (527.0 / 81.0) 3577838 | (8.93 , 1.00) (0.00 , N/A , 0.2) | 591.9 517.5 | 0.6118 100.0 100.0 | 23.6031 [19.1658] | 123.2% |  |  | |

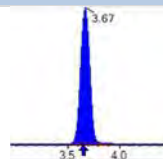
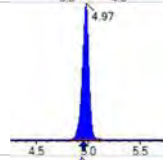
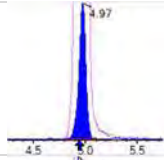
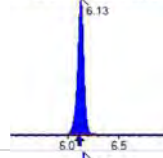
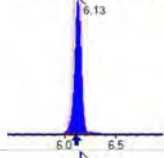
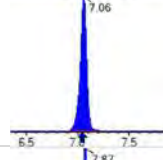
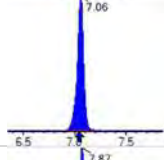
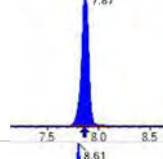
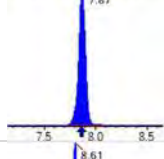
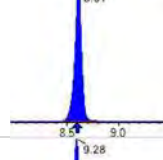
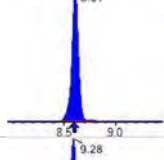
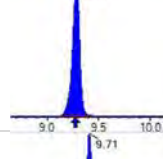
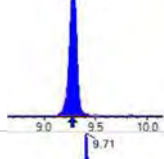
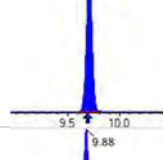
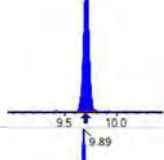
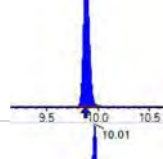
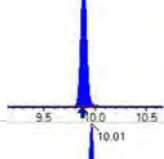
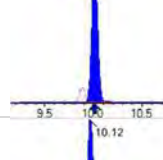
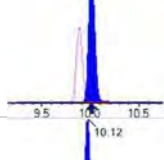
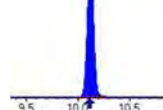
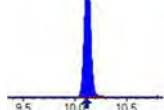
| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|--------------|---|--|------------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| PFOSA | (498.0 / 78.0) 5641831 (498.0 / 478.0) 117757 | (10.17, 1.00) (0.00, N/A, 0.1) | 984.4 206.9 | 0.0209 100.0 100.0 | 5.4106 [5.0000] | 108.2% |  |  | |
| NMeFOSA | (512.0 / 219.0) 3685027 (512.0 / 169.0) 2549992 | (10.60, 1.00) (0.00, N/A, 0.0) | 862.9 929.9 | 0.6920 100.0 100.0 | 20.5398 [20.0000] | 102.7% |  |  | |
| NEIFOSA | (526.0 / 219.0) 3653503 (526.0 / 169.0) 3626173 | (10.70, 1.00) (0.00, N/A, 0.0) | 1144.2 1114.9 | 0.9925 100.0 100.0 | 21.6307 [20.0000] | 108.2% |  |  | |
| NMeFOSAA | (570.0 / 419.0) 1094840 (570.0 / 483.0) 609334 | (9.47, 1.00) (0.01, N/A, 0.0) | 395.6 381.9 | 0.5566 100.0 100.0 | 4.7390 [5.0000] | 94.8% |  |  | |
| NEIFOSAA | (584.0 / 419.0) 886142 (584.0 / 526.0) 525687 | (9.66, 1.00) (0.00, N/A, 0.0) | 767.0 578.1 | 0.5932 100.0 100.0 | 4.9678 [5.0000] | 99.4% |  |  | |
| NMeFOSE | (616.0 / 59.0) 1016529 | (10.58, 1.00) (0.01, N/A, 0.0) | 1114.5 | N/A 0.0 0.0 | 20.6406 [20.0000] | 103.2% |  | | |
| NEtFOSE | (630.0 / 59.0) 206836 | (10.67, 1.00) (0.01, N/A, 0.0) | 1157.7 | N/A 0.0 0.0 | 19.9519 [20.0000] | 99.8% |  | | |
| HFPO-DA | (285.0 / 169.0) 1571956 (285.0 / 185.0) 4029846 | (6.45, 1.00) (0.00, N/A, 0.1) | 780.3 596.3 | 2.5636 100.0 100.0 | 10.2994 [10.0000] | 103.0% |  |  | |
| ADONA | (377.0 / 85.0) 5652866 (377.0 / 251.0) 695542 | (7.35, 1.14) (N/A, 0.00, 0.0) | 792.4 594.0 | 0.1230 100.0 100.0 | 9.2942 [9.4270] | 98.6% |  |  | |
| 9CI-Pf3ONS | (531.0 / 351.0) 16340384 (533.0 / 353.0) 5162849 | (9.69, 1.50) (N/A, 0.00, -0.1) | 978.3 747.3 | 0.3160 100.0 100.0 | 9.8368 [9.3325] | 105.4% |  |  | |
| 11CI-PF3OUDS | (631.0 / 451.0) 9384865 (633.0 / 453.0) 2907067 | (9.99, 1.55) (N/A, 0.00, 0.0) | 1055.2 675.6 | 0.3098 100.0 100.0 | 9.9822 [9.4321] | 105.8% |  |  | |

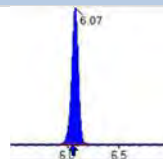
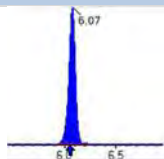
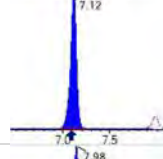
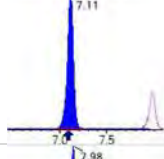
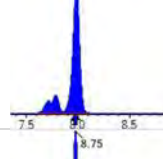
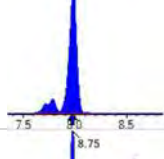
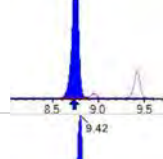
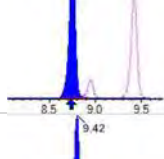
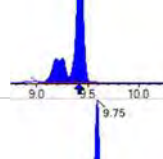
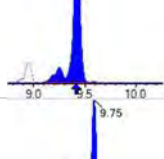
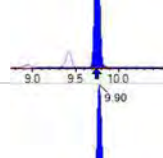
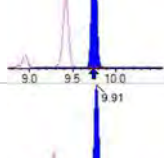
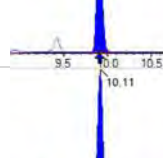
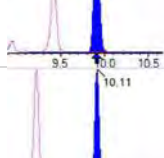
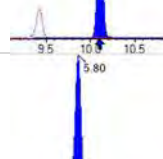
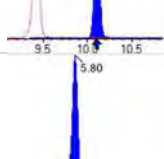
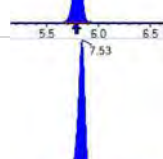
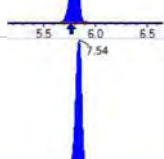
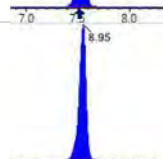
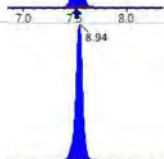
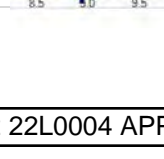
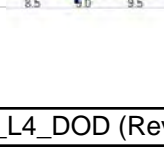
| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|----------------|--|--|----------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| 3:3FTCA | (241.0 / 177.0) 198531 (241.0 / 117.0) 261133 | (4.44, 0.90) (N/A, 0.00, 0.1) | 781.5 382.9 | 1.3153 100.0 100.0 | 20.5736 [20.0000] | 102.9% |  |  | |
| 5:3FTCA | (341.0 / 236.7) 1044482 (341.0 / 217.0) 1874457 | (6.74, 1.10) (N/A, 0.00, 0.0) | 468.7 476.5 | 1.7946 100.0 100.0 | 18.3832 [20.0000] | 91.9% |  |  | |
| 7:3FTCA | (441.0 / 317.0) 1599354 (441.0 / 337.0) 1318714 | (8.56, 1.40) (N/A, 0.00, 0.0) | 456.5 386.0 | 0.8245 100.0 100.0 | 21.6090 [20.0000] | 108.0% |  |  | |
| PFEESA | (315.0 / 135.0) 3278846 (315.0 / 83.0) 999968 | (6.55, 1.07) (N/A, 0.00, -0.2) | 719.1 667.6 | 0.3050 100.0 100.0 | 9.6204 [8.9246] | 107.8% |  |  | |
| PFMPA | (229.0 / 85.0) 866854 | (4.14, 0.84) (N/A, 0.00, 0.0) | 914.7 | N/A 0.0 0.0 | 10.5723 [10.0000] | 105.7% |  | | |
| PFMBA | (279.0 / 85.0) 2310325 | (5.33, 1.08) (N/A, 0.00, 0.0) | 689.7 | N/A 0.0 0.0 | 9.8808 [10.0000] | 98.8% |  | | |
| NFDHA | (295.0 / 201.0) 1939780 (295.0 / 85.0) 1666269 | (5.98, 0.98) (N/A, 0.00, 0.1) | 808.6 626.6 | 0.8590 100.0 100.0 | 10.6462 [10.0000] | 106.5% |  |  | |
| 13C3_PFBA_IIS | (216.0 / 172.0) 228947 | (3.64, N/A) (N/A, 0.00, N/A) | 672.1 | N/A | 1.0631 [1.0000] | 106.3% { 100.0% } |  | | |
| 13C2_PFHxA_IIS | (315.0 / 270.0) 388724 | (6.11, N/A) (N/A, 0.00, N/A) | 562.9 | N/A | 1.0240 [1.0000] | 102.4% { 100.0% } |  | | |
| 13C4_PFOA_IIS | (417.0 / 372.0) 375536 | (7.85, N/A) (N/A, 0.00, N/A) | 414.8 | N/A | 1.0404 [1.0000] | 104.0% { 100.0% } |  | | |
| 13C5_PFNA_IIS | (468.0 / 423.0) 305725 | (8.59, N/A) (N/A, 0.00, N/A) | 437.3 | N/A | 1.0397 [1.0000] | 104.0% { 100.0% } |  | | |

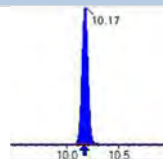
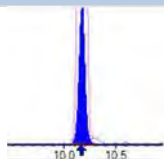
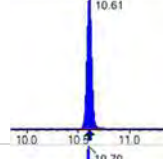
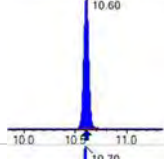
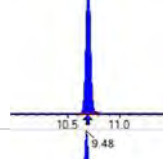
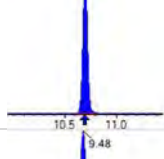
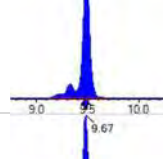
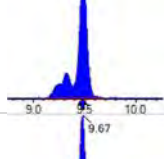
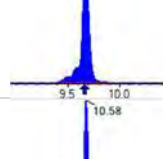
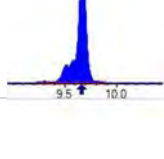
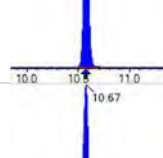
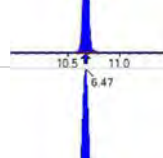
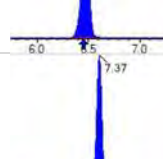
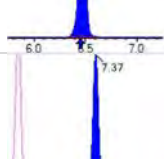
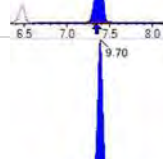
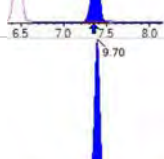
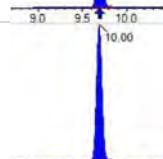
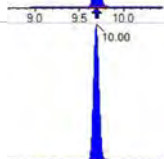
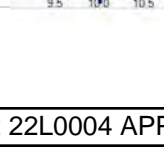
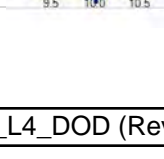
| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|----------------|------------------------------|--|-------|-------------------------------------|---------------------------------|---------------------------|---|----------------------------|------|
| 13C2_PFDA_IIS | (515.0 / 470.1) 364678 | (9.26, N/A) (N/A, 0.00, N/A) | 367.1 | N/A | 1.0705 [1.0000] | 107.1% { 100.0% } |  | | |
| 18O2_PFHxS_IIS | (403.0 / 83.9) 634057 | (7.96, N/A) (N/A, 0.00, N/A) | 772.8 | N/A | 1.0479 [1.0000] | 104.8% { 100.0% } |  | | |
| 13C4_PFOS_IIS | (503.0 / 79.9) 619970 | (9.41, N/A) (N/A, 0.00, N/A) | 447.9 | N/A | 0.9615 [1.0000] | 96.1% { 100.0% } |  | | |
| 13C4_PFBA_EIS | (217.0 / 172.0) 1853066 | (3.64, N/A) (N/A, 0.00, N/A) | 629.8 | N/A | 8.0618 [8.0000] | 100.8% { 100.0% } |  | | |
| 13C5_PFPeA_EIS | (268.0 / 223.0) 1182685 | (4.94, N/A) (N/A, 0.00, N/A) | 581.8 | N/A | 4.0328 [4.0000] | 100.8% { 100.0% } |  | | |
| 13C5_PFHxA_EIS | (318.0 / 273.0) 748155 | (6.10, N/A) (N/A, 0.00, N/A) | 644.3 | N/A | 1.8808 [2.0000] | 94.0% { 100.0% } |  | | |
| 13C4_PFHpA_EIS | (367.0 / 322.0) 686768 | (7.03, N/A) (N/A, 0.00, N/A) | 488.3 | N/A | 1.9874 [2.0000] | 99.4% { 100.0% } |  | | |
| 13C8_PFOA_EIS | (421.0 / 376.0) 766153 | (7.85, N/A) (N/A, 0.00, N/A) | 627.1 | N/A | 1.9940 [2.0000] | 99.7% { 100.0% } |  | | |
| 13C9_PFNA_EIS | (472.0 / 427.0) 306174 | (8.59, N/A) (N/A, 0.00, N/A) | 372.0 | N/A | 0.9638 [1.0000] | 96.4% { 100.0% } |  | | |
| 13C6_PFDA_EIS | (519.0 / 474.0) 431711 | (9.27, N/A) (N/A, 0.00, N/A) | 413.8 | N/A | 0.9801 [1.0000] | 98.0% { 100.0% } |  | | |
| 13C7_PFUnA_EIS | (570.0 / 525.0) 561415 | (9.70, N/A) (N/A, 0.00, N/A) | 331.4 | N/A | 1.0363 [1.0000] | 103.6% { 100.0% } |  | | |

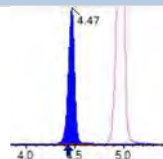
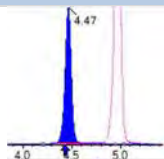
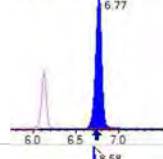
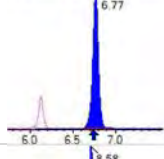
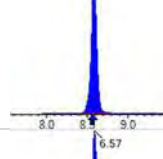
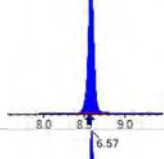
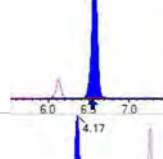
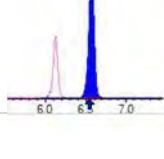
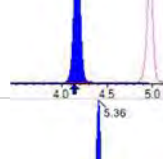
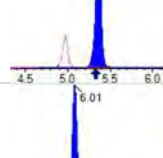
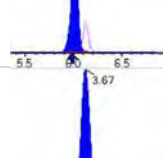
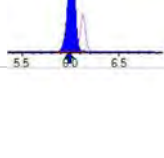
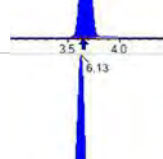
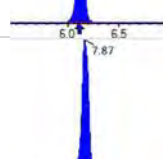
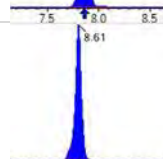
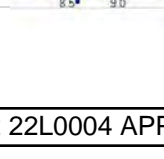
| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|-----------------|------------------------------|--|-------|-------------------------------------|---------------------------------|---------------------------|---|----------------------------|------|
| 13C2_PFDa_EIS | (615.0 / 570.0) 578032 | (9.88, N/A) (N/A, 0.00, N/A) | 586.4 | N/A | 1.0692 [1.0000] | 106.9% { 100.0% } |  | | |
| 13C2_PFTeDA_EIS | (715.0 / 670.0) 334276 | (10.12, N/A) (N/A, 0.00, N/A) | 669.0 | N/A | 0.9759 [1.0000] | 97.6% { 100.0% } |  | | |
| 13C3_PFBs_EIS | (302.0 / 80.0) 1830583 | (6.05, N/A) (N/A, 0.00, N/A) | 650.3 | N/A | 1.9076 [2.0000] | 95.4% { 100.0% } |  | | |
| 13C3_PFHxS_EIS | (402.0 / 80.0) 994031 | (7.96, N/A) (N/A, 0.00, N/A) | 752.7 | N/A | 1.9131 [2.0000] | 95.7% { 100.0% } |  | | |
| 13C8_PFOS_EIS | (507.0 / 80.0) 1641013 | (9.41, N/A) (N/A, 0.00, N/A) | 203.3 | N/A | 2.1964 [2.0000] | 109.8% { 100.0% } |  | | |
| 13C2_4:2FTS_EIS | (329.0 / 81.0) 433632 | (5.77, N/A) (N/A, 0.00, N/A) | 581.0 | N/A | 3.9997 [4.0000] | 100.0% { 100.0% } |  | | |
| 13C2_6:2FTS_EIS | (429.0 / 81.0) 576038 | (7.51, N/A) (N/A, 0.00, N/A) | 706.5 | N/A | 4.0156 [4.0000] | 100.4% { 100.0% } |  | | |
| 13C2_8:2FTS_EIS | (529.0 / 81.0) 635337 | (8.93, N/A) (N/A, 0.00, N/A) | 503.1 | N/A | 3.5136 [4.0000] | 87.8% { 100.0% } |  | | |
| 13C8_PFOsa_EIS | (506.0 / 78.0) 1798279 | (10.17, N/A) (N/A, 0.00, N/A) | 942.9 | N/A | 2.0622 [2.0000] | 103.1% { 100.0% } |  | | |
| D3_NMeFOSA_EIS | (515.0 / 169.0) 369382 | (10.60, N/A) (N/A, 0.00, N/A) | 697.5 | N/A | 2.2400 [2.0000] | 112.0% { 100.0% } |  | | |
| D5_NEtFOSA_EIS | (531.0 / 169.0) 340567 | (10.69, N/A) (N/A, 0.00, N/A) | 878.1 | N/A | 2.2548 [2.0000] | 112.7% { 100.0% } |  | | |

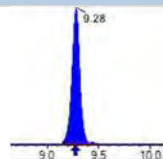
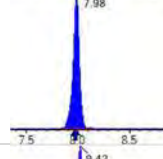
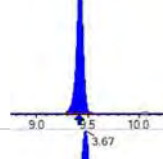
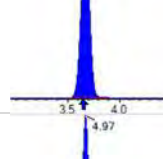
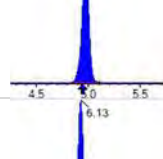
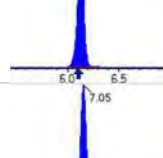
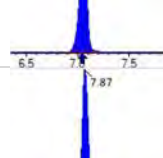
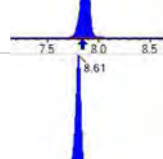
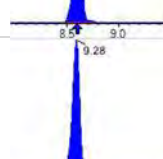
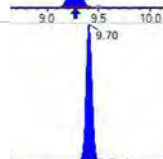
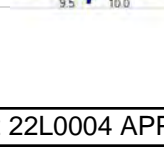
| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-I[μ min], Δ RT- CV[μ min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|-----------------|------------------------------|---|--------|-------------------------------------|---------------------------------|---------------------------|--|----------------------------|------|
| D3_MeFOSAA_EIS | (573.0 / 419.0) 1018353 | (9.47, N/A) (N/A, 0.00, N/A) | 413.5 | N/A | 4.3321 [4.0000] | 108.3% { 100.0% } |  | | |
| D5_EtFOSAA_EIS | (589.0 / 419.0) 723782 | (9.66, N/A) (N/A, 0.00, N/A) | 128.8 | N/A | 3.8725 [4.0000] | 96.8% { 100.0% } |  | | |
| D7_NMeFOSE_EIS | (623.0 / 58.9) 806754 | (10.57, N/A) (N/A, 0.00, N/A) | 764.6 | N/A | 22.3925 [20.0000] | 112.0% { 100.0% } |  | | |
| D9_NEtFOSE_EIS | (639.0 / 58.9) 381994 | (10.67, N/A) (N/A, 0.00, N/A) | 1289.6 | N/A | 22.9930 [20.0000] | 115.0% { 100.0% } |  | | |
| 13C3_HFPODA_EIS | (287.0 / 169.0) 1758964 | (6.45, N/A) (N/A, 0.00, N/A) | 789.5 | N/A | 7.9045 [8.0000] | 98.8% { 100.0% } |  | | |

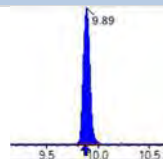
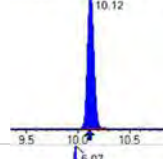
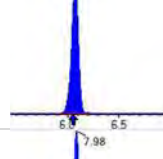
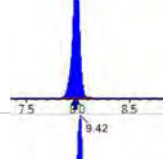
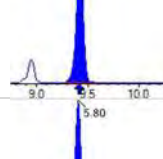
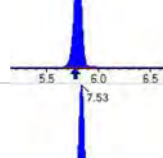
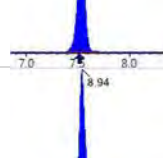
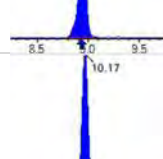
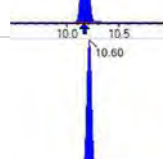
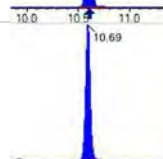
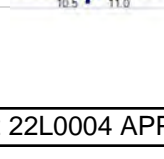
| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|---------|--|--|-----------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| PFBA | (213.0 / 169.0) 7772583 | (3.67, 1.00) (0.00, N/A, 0.0) | 539.7 | N/A 0.0 0.0 | 42.0284 [40.0000] | 105.1% |  | | |
| PFPeA | (263.0 / 219.0) 5651080 (263.0 / 69.0) 62233 | (4.97, 1.00) (0.00, N/A, 0.1) | 647.3 405.2 | 0.0110 106.6 106.6 | 20.5875 [20.0000] | 102.9% |  |  | |
| PFHxA | (313.0 / 269.0) 3825516 (313.0 / 119.0) 359501 | (6.13, 1.00) (0.00, N/A, -0.1) | 607.3 500.9 | 0.0940 96.6 96.6 | 9.8177 [10.0000] | 98.2% |  |  | |
| PFHpA | (363.0 / 319.0) 3529017 (363.0 / 169.0) 968158 | (7.06, 1.00) (0.00, N/A, 0.0) | 548.9 648.7 | 0.2743 95.9 95.9 | 10.8348 [10.0000] | 108.3% |  |  | |
| PFOA | (413.0 / 369.0) 3581523 (413.0 / 169.0) 1076980 | (7.87, 1.00) (0.00, N/A, 0.1) | 547.4 634.9 | 0.3007 99.0 99.0 | 9.6850 [10.0000] | 96.8% |  |  | |
| PFNA | (463.0 / 419.0) 2957588 (463.0 / 169.0) 644107 | (8.61, 1.00) (0.00, N/A, 0.1) | 425.4 603.3 | 0.2178 102.9 102.9 | 10.0993 [10.0000] | 101.0% |  |  | |
| PFDA | (513.0 / 469.0) 4258828 (513.0 / 169.0) 403727 | (9.28, 1.00) (0.00, N/A, 0.0) | 472.9 296.1 | 0.0948 102.8 102.8 | 10.9198 [10.0000] | 109.2% |  |  | |
| PFUnA | (563.0 / 519.0) 4674286 (563.0 / 169.0) 517395 | (9.71, 1.00) (0.00, N/A, 0.0) | 706.9 437.2 | 0.1107 143.9 143.9 | 11.2428 [10.0000] | 112.4% |  |  | |
| PFDoA | (613.0 / 569.0) 5709604 (613.0 / 169.0) 642220 | (9.88, 1.00) (0.00, N/A, -0.3) | 720.4 722.5 | 0.1125 83.5 83.5 | 12.2529 [10.0000] | 122.5% |  |  | |
| PFTrDA | (663.0 / 619.0) 4361328 (663.0 / 169.0) 858415 | (10.01, 1.01) (N/A, 0.01, 0.1) | 1008.2 566.2 | 0.1968 90.3 90.3 | 10.7266 [10.0000] | 107.3% |  |  | |
| PFTeDA | (713.0 / 669.0) 3337271 (713.0 / 169.0) 603490 | (10.12, 1.00) (0.00, N/A, 0.0) | 886.3 480.1 | 0.1808 91.6 91.6 | 10.5300 [10.0000] | 105.3% |  |  | |

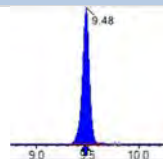
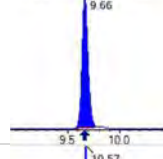
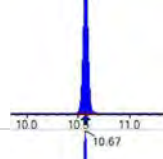
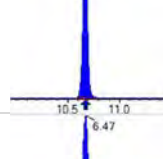
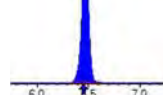
| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|---------|--|--|-----------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| PFBS | (299.0 / 80.0) 5459762 (299.0 / 99.0) 3323569 | (6.07, 1.00) (0.00, N/A, -0.1) | 594.6 528.5 | 0.6087 92.6 92.6 | 9.5253 [8.8473] | 107.7% |  |  | |
| PFPeS | (349.0 / 80.0) 9308750 (349.0 / 99.0) 3350153 | (7.12, 0.89) (N/A, 0.02, 0.1) | 699.6 675.9 | 0.3599 97.1 97.1 | 10.2862 [9.3838] | 109.6% |  |  | |
| PFHxS | (399.0 / 80.0) 7745896 (399.0 / 99.0) 2382567 | (7.98, 1.00) (0.00, N/A, 0.1) | 693.1 798.7 | 0.3076 94.3 94.3 | 9.7180 [9.1098] | 106.7% |  |  | |
| PFHpS | (449.0 / 80.0) 7488992 (449.0 / 99.0) 1981717 | (8.75, 0.93) (N/A, 0.02, 0.0) | 634.3 589.4 | 0.2646 101.5 101.5 | 9.9485 [9.5141] | 104.6% |  |  | |
| PFOS | (499.0 / 80.0) 8562239 (499.0 / 99.0) 1888731 | (9.42, 1.00) (0.00, N/A, 0.0) | 338.8 830.7 | 0.2206 106.0 106.0 | 9.8827 [9.2749] | 106.6% |  |  | |
| PFNS | (549.0 / 80.0) 10435990 (549.0 / 99.0) 2405738 | (9.75, 1.03) (N/A, 0.00, 0.0) | 800.6 903.1 | 0.2305 96.8 96.8 | 10.6263 [9.5989] | 110.7% |  |  | |
| PFDS | (599.0 / 80.0) 12279035 (599.0 / 99.0) 2702366 | (9.90, 1.05) (N/A, 0.00, -0.1) | 1330.2 758.5 | 0.2201 83.7 83.7 | 10.3405 [9.6311] | 107.4% |  |  | |
| PFDoS | (699.0 / 80.0) 5600165 (699.0 / 99.0) 1242155 | (10.11, 1.07) (N/A, 0.01, 0.2) | 1314.2 801.9 | 0.2218 113.1 113.1 | 10.0146 [9.6956] | 103.3% |  |  | |
| 4:2FTS | (327.0 / 307.0) 13536278 (327.0 / 81.0) 8309827 | (5.80, 1.00) (0.00, N/A, 0.0) | 719.9 739.3 | 0.6139 85.8 85.8 | 38.4468 [37.3811] | 102.9% |  |  | |
| 6:2FTS | (427.0 / 407.0) 8251578 (427.0 / 81.0) 6774164 | (7.53, 1.00) (0.00, N/A, -0.1) | 677.3 718.9 | 0.8210 111.1 111.1 | 41.5121 [37.9617] | 109.4% |  |  | |
| 8:2FTS | (527.0 / 507.0) 10049426 (527.0 / 81.0) 6666543 | (8.95, 1.00) (0.01, N/A, 0.3) | 445.9 502.6 | 0.6634 108.4 108.4 | 44.5543 [38.3315] | 116.2% |  |  | |

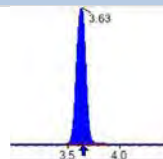
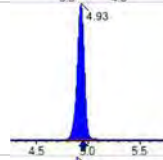
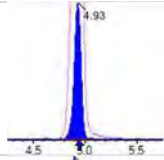
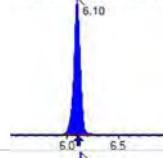
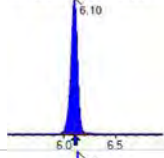
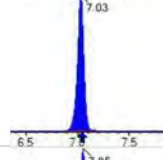
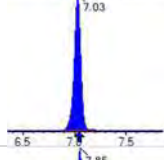
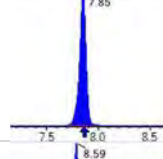
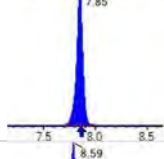
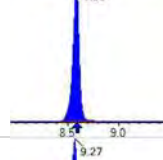
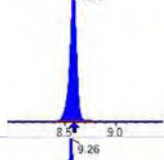
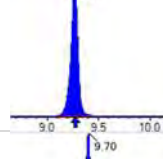
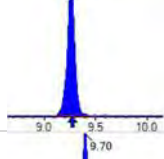
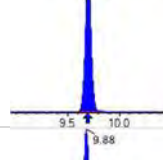
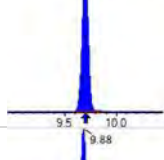
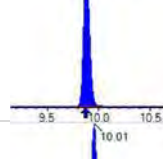
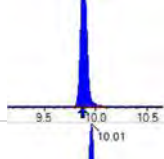
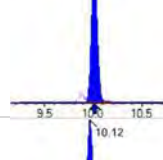
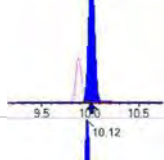
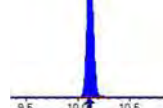
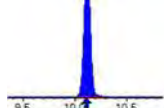
| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|--------------|---|--|------------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| PFOSA | (498.0 / 78.0) 10690103 (498.0 / 478.0) 212628 | (10.17, 1.00) (0.00, N/A, 0.0) | 1114.6 571.5 | 0.0199 95.3 95.3 | 10.1798 [10.0000] | 101.8% |  |  | |
| NMeFOSA | (512.0 / 219.0) 7084423 (512.0 / 169.0) 4954197 | (10.61, 1.00) (0.00, N/A, 0.0) | 1134.1 874.7 | 0.6993 101.1 101.1 | 42.9979 [40.0000] | 107.5% |  |  | |
| NEIFOSA | (526.0 / 219.0) 6732334 (526.0 / 169.0) 7081313 | (10.70, 1.00) (0.00, N/A, 0.0) | 938.9 1276.7 | 1.0518 106.0 106.0 | 44.1475 [40.0000] | 110.4% |  |  | |
| NMeFOSAA | (570.0 / 419.0) 2300672 (570.0 / 483.0) 1155811 | (9.48, 1.00) (0.00, N/A, 0.1) | 609.6 547.9 | 0.5024 90.3 90.3 | 11.2570 [10.0000] | 112.6% |  |  | |
| NEIFOSAA | (584.0 / 419.0) 1697247 (584.0 / 526.0) 988305 | (9.67, 1.00) (0.01, N/A, 0.0) | 900.1 418.0 | 0.5823 98.2 98.2 | 9.9843 [10.0000] | 99.8% |  |  | |
| NMeFOSE | (616.0 / 59.0) 1907826 | (10.58, 1.00) (0.01, N/A, 0.0) | 1106.8 | N/A 0.0 0.0 | 42.0023 [40.0000] | 105.0% |  | | |
| NEtFOSE | (630.0 / 59.0) 408726 | (10.67, 1.00) (0.01, N/A, 0.0) | 1681.9 | N/A 0.0 0.0 | 42.1994 [40.0000] | 105.5% |  | | |
| HFPO-DA | (285.0 / 169.0) 2823804 (285.0 / 185.0) 7899392 | (6.47, 1.00) (0.00, N/A, 0.0) | 745.0 754.9 | 2.7974 109.1 109.1 | 19.3635 [20.0000] | 96.8% |  |  | |
| ADONA | (377.0 / 85.0) 12590888 (377.0 / 251.0) 1410655 | (7.37, 1.14) (N/A, 0.03, 0.2) | 707.3 545.8 | 0.1120 91.1 91.1 | 21.6659 [18.8540] | 114.9% |  |  | |
| 9Cl-Pf3ONS | (531.0 / 351.0) 30081674 (533.0 / 353.0) 9621509 | (9.70, 1.50) (N/A, 0.01, 0.0) | 712.4 631.7 | 0.3198 101.2 101.2 | 18.9527 [18.6651] | 101.5% |  |  | |
| 11Cl-PF3OUDS | (631.0 / 451.0) 18467630 (633.0 / 453.0) 5632838 | (10.00, 1.54) (N/A, 0.00, 0.0) | 1424.5 1108.0 | 0.3050 98.5 98.5 | 20.5582 [18.8642] | 109.0% |  |  | |

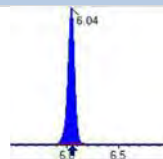
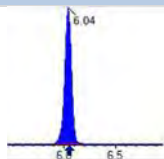
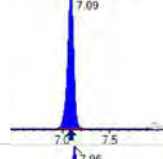
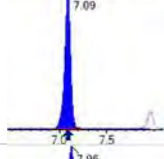
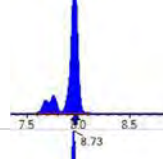
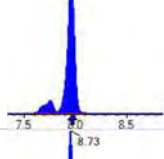
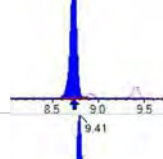
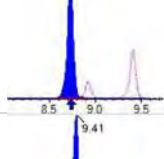
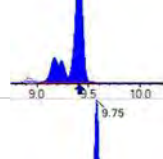
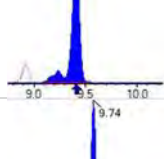
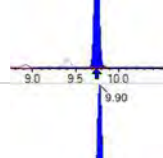
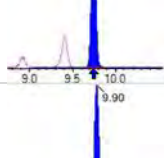
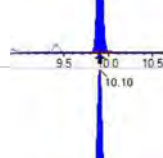
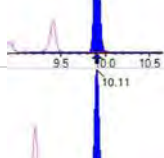
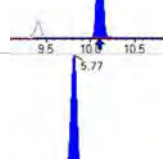
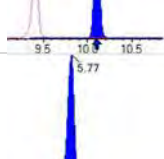
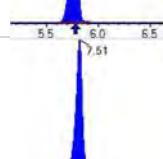
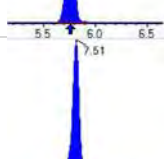
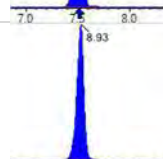
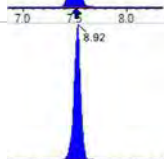
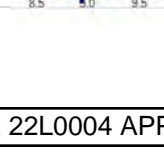
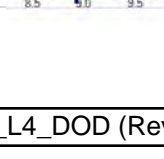
| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|----------------|--|--|----------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| 3:3FTCA | (241.0 / 177.0) 377032 (241.0 / 117.0) 513910 | (4.47, 0.90) (N/A, 0.03, 0.1) | 685.4 579.1 | 1.3630 103.6 103.6 | 39.9624 [40.0000] | 99.9% |  |  | |
| 5:3FTCA | (341.0 / 236.7) 2248511 (341.0 / 217.0) 3859161 | (6.77, 1.10) (N/A, 0.03, 0.1) | 466.1 619.2 | 1.7163 95.6 95.6 | 37.7013 [40.0000] | 94.3% |  |  | |
| 7:3FTCA | (441.0 / 317.0) 3208348 (441.0 / 337.0) 2727172 | (8.58, 1.40) (N/A, 0.02, 0.0) | 531.9 522.2 | 0.8500 103.1 103.1 | 41.2964 [40.0000] | 103.2% |  |  | |
| PFEESA | (315.0 / 135.0) 6236653 (315.0 / 83.0) 1969690 | (6.57, 1.07) (N/A, 0.02, 0.0) | 730.7 726.4 | 0.3158 103.6 103.6 | 17.4327 [17.8492] | 97.7% |  |  | |
| PFMPA | (229.0 / 85.0) 1492846 | (4.17, 0.84) (N/A, 0.03, 0.0) | 912.1 | N/A 0.0 0.0 | 18.6222 [20.0000] | 93.1% |  | | |
| PFMBA | (279.0 / 85.0) 4836584 | (5.36, 1.08) (N/A, 0.03, 0.0) | 728.3 | N/A 0.0 0.0 | 21.1568 [20.0000] | 105.8% |  | | |
| NFDHA | (295.0 / 201.0) 3799235 (295.0 / 85.0) 3115389 | (6.01, 0.98) (N/A, 0.03, 0.2) | 656.8 625.6 | 0.8200 95.5 95.5 | 19.8646 [20.0000] | 99.3% |  |  | |
| 13C3_PFBA_IIS | (216.0 / 172.0) 200324 | (3.67, N/A) (N/A, 0.03, N/A) | 525.2 | N/A | 0.9302 [1.0000] | 93.0% { 87.5% } |  | | |
| 13C2_PFHxA_IIS | (315.0 / 270.0) 389404 | (6.13, N/A) (N/A, 0.02, N/A) | 564.6 | N/A | 1.0258 [1.0000] | 102.6% { 100.2% } |  | | |
| 13C4_PFOA_IIS | (417.0 / 372.0) 350279 | (7.87, N/A) (N/A, 0.02, N/A) | 417.2 | N/A | 0.9704 [1.0000] | 97.0% { 93.3% } |  | | |
| 13C5_PFNA_IIS | (468.0 / 423.0) 324422 | (8.61, N/A) (N/A, 0.02, N/A) | 484.5 | N/A | 1.1032 [1.0000] | 110.3% { 106.1% } |  | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|----------------|------------------------------|--|-------|-------------------------------------|---------------------------------|---------------------------|---|----------------------------|------|
| 13C2_PFDA_IIS | (515.0 / 470.1) 304333 | (9.28, N/A) (N/A, 0.01, N/A) | 355.6 | N/A | 0.8934 [1.0000] | 89.3% { 83.5% } |  | | |
| 18O2_PFHxS_IIS | (403.0 / 83.9) 594228 | (7.98, N/A) (N/A, 0.02, N/A) | 573.6 | N/A | 0.9821 [1.0000] | 98.2% { 93.7% } |  | | |
| 13C4_PFOS_IIS | (503.0 / 79.9) 569198 | (9.42, N/A) (N/A, 0.01, N/A) | 461.2 | N/A | 0.8827 [1.0000] | 88.3% { 91.8% } |  | | |
| 13C4_PFBA_EIS | (217.0 / 172.0) 1583488 | (3.67, N/A) (N/A, 0.03, N/A) | 633.9 | N/A | 7.8733 [8.0000] | 98.4% { 85.5% } |  | | |
| 13C5_PFPeA_EIS | (268.0 / 223.0) 1156316 | (4.97, N/A) (N/A, 0.03, N/A) | 598.9 | N/A | 3.9360 [4.0000] | 98.4% { 97.8% } |  | | |
| 13C5_PFHxA_EIS | (318.0 / 273.0) 785326 | (6.13, N/A) (N/A, 0.02, N/A) | 523.9 | N/A | 1.9708 [2.0000] | 98.5% { 105.0% } |  | | |
| 13C4_PFHpA_EIS | (367.0 / 322.0) 621659 | (7.05, N/A) (N/A, 0.02, N/A) | 464.1 | N/A | 1.7959 [2.0000] | 89.8% { 90.5% } |  | | |
| 13C8_PFOA_EIS | (421.0 / 376.0) 694283 | (7.87, N/A) (N/A, 0.02, N/A) | 674.6 | N/A | 1.9372 [2.0000] | 96.9% { 90.6% } |  | | |
| 13C9_PFNA_EIS | (472.0 / 427.0) 303425 | (8.61, N/A) (N/A, 0.02, N/A) | 345.6 | N/A | 0.9001 [1.0000] | 90.0% { 99.1% } |  | | |
| 13C6_PFDA_EIS | (519.0 / 474.0) 393291 | (9.28, N/A) (N/A, 0.01, N/A) | 419.5 | N/A | 1.0699 [1.0000] | 107.0% { 91.1% } |  | | |
| 13C7_PFUnA_EIS | (570.0 / 525.0) 455574 | (9.70, N/A) (N/A, 0.01, N/A) | 384.5 | N/A | 1.0077 [1.0000] | 100.8% { 81.1% } |  | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|-----------------|------------------------------|--|--------|-------------------------------------|---------------------------------|---------------------------|---|----------------------------|------|
| 13C2_PFDa_EIS | (615.0 / 570.0) 486230 | (9.89, N/A) (N/A, 0.01, N/A) | 406.7 | N/A | 1.0778 [1.0000] | 107.8% { 84.1% } |  | | |
| 13C2_PFTeDA_EIS | (715.0 / 670.0) 313306 | (10.12, N/A) (N/A, 0.00, N/A) | 1128.6 | N/A | 1.0960 [1.0000] | 109.6% { 93.7% } |  | | |
| 13C3_PFBs_EIS | (302.0 / 80.0) 1796948 | (6.07, N/A) (N/A, 0.03, N/A) | 589.1 | N/A | 1.9981 [2.0000] | 99.9% { 98.2% } |  | | |
| 13C3_PFHxS_EIS | (402.0 / 80.0) 920368 | (7.98, N/A) (N/A, 0.02, N/A) | 631.0 | N/A | 1.8900 [2.0000] | 94.5% { 92.6% } |  | | |
| 13C8_PFOS_EIS | (507.0 / 80.0) 1488050 | (9.42, N/A) (N/A, 0.01, N/A) | 135.9 | N/A | 2.1694 [2.0000] | 108.5% { 90.7% } |  | | |
| 13C2_4:2FTS_EIS | (329.0 / 81.0) 414157 | (5.80, N/A) (N/A, 0.03, N/A) | 553.3 | N/A | 4.0761 [4.0000] | 101.9% { 95.5% } |  | | |
| 13C2_6:2FTS_EIS | (429.0 / 81.0) 495229 | (7.53, N/A) (N/A, 0.02, N/A) | 580.3 | N/A | 3.6837 [4.0000] | 92.1% { 86.0% } |  | | |
| 13C2_8:2FTS_EIS | (529.0 / 81.0) 578392 | (8.94, N/A) (N/A, 0.01, N/A) | 456.1 | N/A | 3.4131 [4.0000] | 85.3% { 91.0% } |  | | |
| 13C8_PFOsa_EIS | (506.0 / 78.0) 1811036 | (10.17, N/A) (N/A, 0.00, N/A) | 563.9 | N/A | 2.2621 [2.0000] | 113.1% { 100.7% } |  | | |
| D3_NMeFOSA_EIS | (515.0 / 169.0) 339225 | (10.60, N/A) (N/A, 0.00, N/A) | 706.1 | N/A | 2.2406 [2.0000] | 112.0% { 91.8% } |  | | |
| D5_NeIFOSA_EIS | (531.0 / 169.0) 307484 | (10.69, N/A) (N/A, 0.00, N/A) | 685.8 | N/A | 2.2174 [2.0000] | 110.9% { 90.3% } |  | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-I[μ min], Δ RT- CV[μ min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|-----------------|------------------------------|---|--------|-------------------------------------|---------------------------------|---------------------------|--|----------------------------|------|
| D3_MeFOSAA_EIS | (573.0 / 419.0) 900879 | (9.48, N/A) (N/A, 0.01, N/A) | 342.8 | N/A | 4.1742 [4.0000] | 104.4% { 88.5% } |  | | |
| D5_EtFOSAA_EIS | (589.0 / 419.0) 689761 | (9.66, N/A) (N/A, 0.01, N/A) | 95.7 | N/A | 4.0196 [4.0000] | 100.5% { 95.3% } |  | | |
| D7_NMeFOSE_EIS | (623.0 / 58.9) 744063 | (10.57, N/A) (N/A, 0.00, N/A) | 1456.3 | N/A | 22.4946 [20.0000] | 112.5% { 92.2% } |  | | |
| D9_NEtFOSE_EIS | (639.0 / 58.9) 354050 | (10.67, N/A) (N/A, 0.00, N/A) | 1293.6 | N/A | 23.2119 [20.0000] | 116.1% { 92.7% } |  | | |
| 13C3_HFPODA_EIS | (287.0 / 169.0) 1680665 | (6.47, N/A) (N/A, 0.02, N/A) | 781.6 | N/A | 7.5394 [8.0000] | 94.2% { 95.5% } |  | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|---------|--|--|----------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| PFBA | (213.0 / 169.0) 16031092 | (3.63, 1.00) (0.00, N/A, 0.0) | 629.4 | N/A 0.0 0.0 | 85.1840 [80.0000] | 106.5% |  | | |
| PFPeA | (263.0 / 219.0) 10310339 (263.0 / 69.0) 114506 | (4.93, 1.00) (0.00, N/A, 0.1) | 555.7 600.9 | 0.0111 107.5 107.5 | 40.9568 [40.0000] | 102.4% |  |  | |
| PFHxA | (313.0 / 269.0) 7618587 (313.0 / 119.0) 702473 | (6.10, 1.00) (0.00, N/A, -0.1) | 594.6 521.2 | 0.0922 94.7 94.7 | 20.8711 [20.0000] | 104.4% |  |  | |
| PFHpA | (363.0 / 319.0) 7287682 (363.0 / 169.0) 1916229 | (7.03, 1.00) (0.00, N/A, 0.1) | 540.7 453.7 | 0.2629 91.9 91.9 | 20.7723 [20.0000] | 103.9% |  |  | |
| PFOA | (413.0 / 369.0) 8023613 (413.0 / 169.0) 2445963 | (7.85, 1.00) (0.00, N/A, 0.1) | 639.8 756.8 | 0.3048 100.4 100.4 | 22.0423 [20.0000] | 110.2% |  |  | |
| PFNA | (463.0 / 419.0) 5916228 (463.0 / 169.0) 1182298 | (8.59, 1.00) (0.00, N/A, 0.0) | 561.4 479.5 | 0.1998 94.4 94.4 | 21.5216 [20.0000] | 107.6% |  |  | |
| PFDA | (513.0 / 469.0) 8108290 (513.0 / 169.0) 796824 | (9.27, 1.00) (0.01, N/A, 0.3) | 452.7 387.7 | 0.0983 106.6 106.6 | 20.5217 [20.0000] | 102.6% |  |  | |
| PFUnA | (563.0 / 519.0) 7872574 (563.0 / 169.0) 711380 | (9.70, 1.00) (0.00, N/A, 0.0) | 654.7 406.9 | 0.0904 117.5 117.5 | 19.5702 [20.0000] | 97.9% |  |  | |
| PFDoA | (613.0 / 569.0) 9695968 (613.0 / 169.0) 1260786 | (9.88, 1.00) (0.00, N/A, -0.1) | 798.5 656.1 | 0.1300 96.5 96.5 | 19.9187 [20.0000] | 99.6% |  |  | |
| PFTrDA | (663.0 / 619.0) 8584478 (663.0 / 169.0) 1621569 | (10.01, 1.01) (N/A, 0.00, -0.1) | 690.2 806.3 | 0.1889 86.7 86.7 | 20.2113 [20.0000] | 101.1% |  |  | |
| PFTeDA | (713.0 / 669.0) 5932051 (713.0 / 169.0) 1016462 | (10.12, 1.00) (0.00, N/A, -0.1) | 995.2 602.8 | 0.1714 86.8 86.8 | 19.8214 [20.0000] | 99.1% |  |  | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|---------|---|--|------------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| PFBS | (299.0 / 80.0) 10280245 (299.0 / 99.0) 6814706 | (6.04, 1.00) (0.00, N/A, 0.1) | 730.2 688.8 | 0.6629 100.9 100.9 | 18.5618 [17.6947] | 104.9% |  |  | |
| PFPeS | (349.0 / 80.0) 19169511 (349.0 / 99.0) 6765436 | (7.09, 0.89) (N/A, 0.00, 0.0) | 669.0 723.2 | 0.3529 95.2 95.2 | 21.5622 [18.7676] | 114.9% |  |  | |
| PFHxS | (399.0 / 80.0) 15765930 (399.0 / 99.0) 5189556 | (7.96, 1.00) (0.00, N/A, 0.2) | 725.3 948.5 | 0.3292 101.0 101.0 | 20.1346 [18.2197] | 110.5% |  |  | |
| PFHpS | (449.0 / 80.0) 15144276 (449.0 / 99.0) 3919483 | (8.73, 0.93) (N/A, 0.00, 0.1) | 600.8 589.4 | 0.2588 99.3 99.3 | 19.9828 [19.0281] | 105.0% |  |  | |
| PFOS | (499.0 / 80.0) 17095229 (499.0 / 99.0) 4121039 | (9.41, 1.00) (0.00, N/A, 0.1) | 377.6 812.2 | 0.2411 115.9 115.9 | 19.5993 [18.5499] | 105.7% |  |  | |
| PFNS | (549.0 / 80.0) 18819672 (549.0 / 99.0) 4992952 | (9.75, 1.04) (N/A, 0.00, 0.1) | 997.9 815.7 | 0.2653 111.5 111.5 | 19.0343 [19.1977] | 99.1% |  |  | |
| PFDS | (599.0 / 80.0) 22458739 (599.0 / 99.0) 5348517 | (9.90, 1.05) (N/A, 0.00, 0.0) | 1234.4 1061.5 | 0.2381 90.5 90.5 | 18.7862 [19.2621] | 97.5% |  |  | |
| PFDoS | (699.0 / 80.0) 10537315 (699.0 / 99.0) 2265451 | (10.10, 1.07) (N/A, 0.00, -0.1) | 949.4 1126.0 | 0.2150 109.7 109.7 | 18.7170 [19.3913] | 96.5% |  |  | |
| 4:2FTS | (327.0 / 307.0) 25387651 (327.0 / 81.0) 16106373 | (5.77, 1.00) (0.00, N/A, 0.0) | 535.3 528.2 | 0.6344 88.6 88.6 | 80.5747 [74.7622] | 107.8% |  |  | |
| 6:2FTS | (427.0 / 407.0) 15176350 (427.0 / 81.0) 11260166 | (7.51, 1.00) (0.00, N/A, 0.2) | 597.7 627.2 | 0.7420 100.4 100.4 | 78.3454 [75.9234] | 103.2% |  |  | |
| 8:2FTS | (527.0 / 507.0) 18188097 (527.0 / 81.0) 13955507 | (8.93, 1.00) (0.00, N/A, 0.1) | 588.6 608.7 | 0.7673 125.4 125.4 | 70.6146 [76.6631] | 92.1% |  |  | |

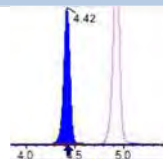
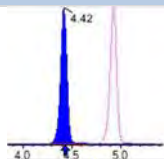
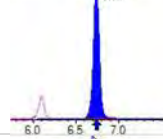
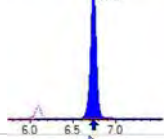
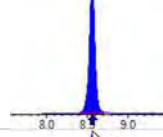
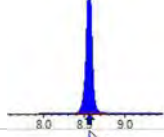
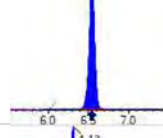
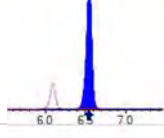
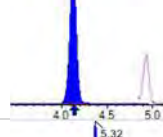
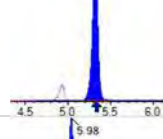
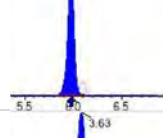
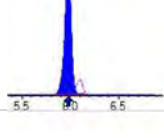
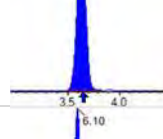
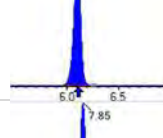
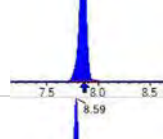
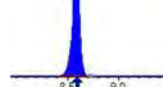


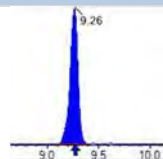
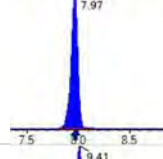
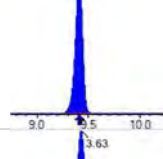
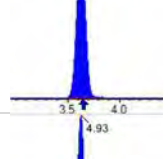
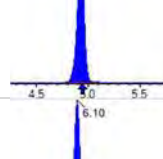
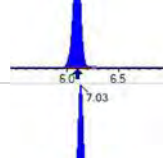
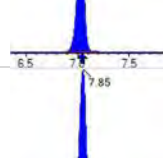
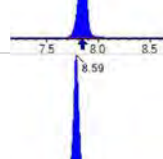
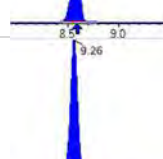
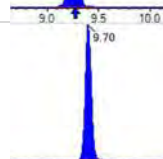
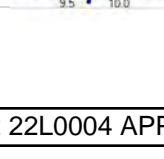
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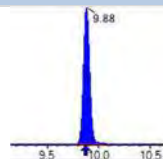
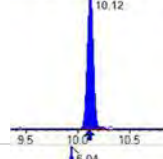
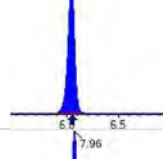
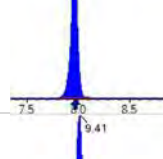
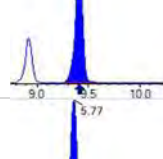
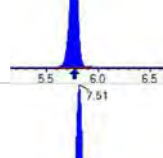
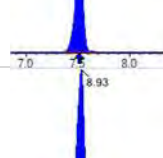
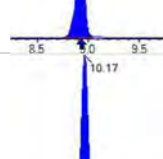
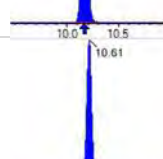
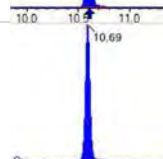
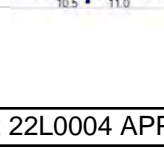
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 Acquisition Method: 1633 2022-12-27.dam

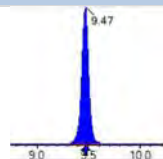
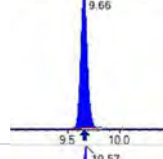
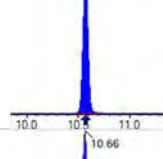
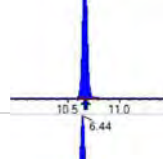
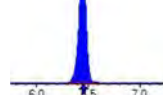
Quant Method: 1633 - S2022-12-29A
 Path: S2022-12-29A (7)
 Acquired: 2022/12/29 - 13:25

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|--------------|--|--|------------------|-------------------------------------|---------------------------------|---------------------------|-----------------------|----------------------------|------|
| PFOSA | (498.0 / 78.0) 20253598 (498.0 / 478.0) 416065 | (10.17, 1.00) (0.00, N/A, 0.2) | 1050.9 777.5 | 0.0205 98.4 98.4 | 21.5187 [20.0000] | 107.6% | | | |
| NMeFOSA | (512.0 / 219.0) 13079510 (512.0 / 169.0) 9403727 | (10.61, 1.00) (0.00, N/A, 0.0) | 828.4 950.4 | 0.7190 103.9 103.9 | 75.0212 [80.0000] | 93.8% | | | |
| NEIFOSA | (526.0 / 219.0) 13184214 (526.0 / 169.0) 13625970 | (10.69, 1.00) (0.00, N/A, 0.0) | 1158.1 1461.8 | 1.0335 104.1 104.1 | 83.9622 [80.0000] | 105.0% | | | |
| NMeFOSAA | (570.0 / 419.0) 4590427 (570.0 / 483.0) 2102020 | (9.47, 1.00) (0.01, N/A, 0.0) | 702.0 480.2 | 0.4579 82.3 82.3 | 22.2578 [20.0000] | 111.3% | | | |
| NEIFOSAA | (584.0 / 419.0) 3385236 (584.0 / 526.0) 1972786 | (9.66, 1.00) (0.00, N/A, -0.1) | 881.2 607.1 | 0.5828 98.2 98.2 | 19.7750 [20.0000] | 98.9% | | | |
| NMeFOSE | (616.0 / 59.0) 3896670 | (10.58, 1.00) (0.01, N/A, 0.0) | 959.0 | N/A 0.0 0.0 | 84.1352 [80.0000] | 105.2% | | | |
| NEtFOSE | (630.0 / 59.0) 814218 | (10.67, 1.00) (0.01, N/A, 0.0) | 1250.0 | N/A 0.0 0.0 | 77.2542 [80.0000] | 96.6% | | | |
| HFPO-DA | (285.0 / 169.0) 5791919 (285.0 / 185.0) 15202720 | (6.44, 1.00) (0.00, N/A, 0.0) | 656.8 776.4 | 2.6248 102.4 102.4 | 41.4174 [40.0000] | 103.5% | | | |
| ADONA | (377.0 / 85.0) 23722654 (377.0 / 251.0) 2864075 | (7.35, 1.14) (N/A, 0.00, 0.1) | 634.8 539.7 | 0.1207 98.1 98.1 | 42.5691 [37.7080] | 112.9% | | | |
| 9CI-Pf3ONS | (531.0 / 351.0) 50559666 (533.0 / 353.0) 18205007 | (9.69, 1.50) (N/A, 0.00, 0.0) | 649.1 771.7 | 0.3601 114.0 114.0 | 33.2188 [37.3302] | 89.0% | | | |
| 11CI-PF3OUDS | (631.0 / 451.0) 32876918 (633.0 / 453.0) 9782084 | (10.00, 1.55) (N/A, 0.00, 0.0) | 758.9 862.0 | 0.2975 96.1 96.1 | 38.1660 [37.7283] | 101.2% | | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|----------------|--|--|----------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| 3:3FTCA | (241.0 / 177.0) 734876 (241.0 / 117.0) 986554 | (4.42, 0.90) (N/A, -0.02, 0.1) | 592.0 542.9 | 1.3425 102.1 102.1 | 84.9317 [80.0000] | 106.2% |  |  | |
| 5:3FTCA | (341.0 / 236.7) 4620197 (341.0 / 217.0) 7651534 | (6.74, 1.11) (N/A, 0.00, -0.1) | 566.6 597.2 | 1.6561 92.3 92.3 | 82.6936 [80.0000] | 103.4% |  |  | |
| 7:3FTCA | (441.0 / 317.0) 5924810 (441.0 / 337.0) 5080641 | (8.56, 1.40) (N/A, -0.00, 0.0) | 439.2 454.1 | 0.8575 104.0 104.0 | 81.4058 [80.0000] | 101.8% |  |  | |
| PFEESA | (315.0 / 135.0) 13135685 (315.0 / 83.0) 3878663 | (6.54, 1.07) (N/A, 0.00, -0.2) | 764.1 729.4 | 0.2953 96.8 96.8 | 39.1937 [35.6984] | 109.8% |  |  | |
| PFMPA | (229.0 / 85.0) 3210423 | (4.13, 0.84) (N/A, -0.01, 0.0) | 795.2 | N/A 0.0 0.0 | 43.6678 [40.0000] | 109.2% |  | | |
| PFMBA | (279.0 / 85.0) 9288980 | (5.32, 1.08) (N/A, -0.01, 0.0) | 800.5 | N/A 0.0 0.0 | 44.3059 [40.0000] | 110.8% |  | | |
| NFDHA | (295.0 / 201.0) 7216740 (295.0 / 85.0) 6423925 | (5.98, 0.98) (N/A, 0.00, 0.0) | 561.4 509.0 | 0.8901 103.6 103.6 | 40.2786 [40.0000] | 100.7% |  |  | |
| 13C3_PFBA_IIS | (216.0 / 172.0) 205755 | (3.63, N/A) (N/A, -0.01, N/A) | 555.3 | N/A | 0.9554 [1.0000] | 95.5% { 89.9% } |  | | |
| 13C2_PFHxA_IIS | (315.0 / 270.0) 385413 | (6.10, N/A) (N/A, -0.01, N/A) | 554.0 | N/A | 1.0153 [1.0000] | 101.5% { 99.1% } |  | | |
| 13C4_PFOA_IIS | (417.0 / 372.0) 364139 | (7.85, N/A) (N/A, 0.00, N/A) | 684.8 | N/A | 1.0088 [1.0000] | 100.9% { 97.0% } |  | | |
| 13C5_PFNA_IIS | (468.0 / 423.0) 307819 | (8.59, N/A) (N/A, 0.00, N/A) | 519.1 | N/A | 1.0468 [1.0000] | 104.7% { 100.7% } |  | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|----------------|------------------------------|--|-------|-------------------------------------|---------------------------------|---------------------------|---|----------------------------|------|
| 13C2_PFDA_IIS | (515.0 / 470.1) 331826 | (9.26, N/A) (N/A, 0.00, N/A) | 289.6 | N/A | 0.9741 [1.0000] | 97.4% { 91.0% } |  | | |
| 18O2_PFHxS_IIS | (403.0 / 83.9) 582624 | (7.97, N/A) (N/A, 0.00, N/A) | 551.4 | N/A | 0.9629 [1.0000] | 96.3% { 91.9% } |  | | |
| 13C4_PFOS_IIS | (503.0 / 79.9) 710418 | (9.41, N/A) (N/A, 0.00, N/A) | 537.3 | N/A | 1.1018 [1.0000] | 110.2% { 114.6% } |  | | |
| 13C4_PFBA_EIS | (217.0 / 172.0) 1611377 | (3.63, N/A) (N/A, -0.01, N/A) | 767.0 | N/A | 7.8005 [8.0000] | 97.5% { 87.0% } |  | | |
| 13C5_PFPeA_EIS | (268.0 / 223.0) 1060461 | (4.93, N/A) (N/A, -0.02, N/A) | 612.2 | N/A | 3.6471 [4.0000] | 91.2% { 89.7% } |  | | |
| 13C5_PFHxA_EIS | (318.0 / 273.0) 735698 | (6.10, N/A) (N/A, -0.01, N/A) | 521.0 | N/A | 1.8654 [2.0000] | 93.3% { 98.3% } |  | | |
| 13C4_PFHpA_EIS | (367.0 / 322.0) 669612 | (7.03, N/A) (N/A, -0.01, N/A) | 486.7 | N/A | 1.9544 [2.0000] | 97.7% { 97.5% } |  | | |
| 13C8_PFOA_EIS | (421.0 / 376.0) 683408 | (7.85, N/A) (N/A, 0.00, N/A) | 504.9 | N/A | 1.8343 [2.0000] | 91.7% { 89.2% } |  | | |
| 13C9_PFNA_EIS | (472.0 / 427.0) 284823 | (8.59, N/A) (N/A, 0.00, N/A) | 490.2 | N/A | 0.8905 [1.0000] | 89.1% { 93.0% } |  | | |
| 13C6_PFDA_EIS | (519.0 / 474.0) 398432 | (9.26, N/A) (N/A, -0.01, N/A) | 364.0 | N/A | 0.9941 [1.0000] | 99.4% { 92.3% } |  | | |
| 13C7_PFUnA_EIS | (570.0 / 525.0) 440797 | (9.70, N/A) (N/A, 0.00, N/A) | 613.6 | N/A | 0.8942 [1.0000] | 89.4% { 78.5% } |  | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|-----------------|------------------------------|--|-------|-------------------------------------|---------------------------------|---------------------------|---|----------------------------|------|
| 13C2_PFDa_EIS | (615.0 / 570.0) 507930 | (9.88, N/A) (N/A, 0.00, N/A) | 544.8 | N/A | 1.0326 [1.0000] | 103.3% { 87.9% } |  | | |
| 13C2_PFTeDA_EIS | (715.0 / 670.0) 295853 | (10.12, N/A) (N/A, 0.00, N/A) | 625.5 | N/A | 0.9492 [1.0000] | 94.9% { 88.5% } |  | | |
| 13C3_PFBs_EIS | (302.0 / 80.0) 1736286 | (6.04, N/A) (N/A, -0.01, N/A) | 688.0 | N/A | 1.9691 [2.0000] | 98.5% { 94.8% } |  | | |
| 13C3_PFHxS_EIS | (402.0 / 80.0) 904155 | (7.96, N/A) (N/A, 0.00, N/A) | 686.5 | N/A | 1.8937 [2.0000] | 94.7% { 91.0% } |  | | |
| 13C8_PFOS_EIS | (507.0 / 80.0) 1498107 | (9.41, N/A) (N/A, 0.00, N/A) | 82.3 | N/A | 1.7499 [2.0000] | 87.5% { 91.3% } |  | | |
| 13C2_4:2FTS_EIS | (329.0 / 81.0) 370637 | (5.77, N/A) (N/A, -0.01, N/A) | 493.1 | N/A | 3.7205 [4.0000] | 93.0% { 85.5% } |  | | |
| 13C2_6:2FTS_EIS | (429.0 / 81.0) 482612 | (7.51, N/A) (N/A, 0.00, N/A) | 660.3 | N/A | 3.6614 [4.0000] | 91.5% { 83.8% } |  | | |
| 13C2_8:2FTS_EIS | (529.0 / 81.0) 660486 | (8.93, N/A) (N/A, 0.00, N/A) | 436.0 | N/A | 3.9751 [4.0000] | 99.4% { 104.0% } |  | | |
| 13C8_PFOsa_EIS | (506.0 / 78.0) 1623191 | (10.17, N/A) (N/A, 0.00, N/A) | 539.0 | N/A | 1.6244 [2.0000] | 81.2% { 90.3% } |  | | |
| D3_NMeFOSA_EIS | (515.0 / 169.0) 358954 | (10.61, N/A) (N/A, 0.00, N/A) | 708.0 | N/A | 1.8996 [2.0000] | 95.0% { 97.2% } |  | | |
| D5_NEtFOSA_EIS | (531.0 / 169.0) 316616 | (10.69, N/A) (N/A, 0.00, N/A) | 595.2 | N/A | 1.8294 [2.0000] | 91.5% { 93.0% } |  | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-I[μ min], Δ RT- CV[μ min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|-----------------|------------------------------|---|-------|-------------------------------------|---------------------------------|---------------------------|--|----------------------------|------|
| D3_MeFOSAA_EIS | (573.0 / 419.0) 909091 | (9.47, N/A) (N/A, 0.00, N/A) | 540.2 | N/A | 3.3749 [4.0000] | 84.4% { 89.3% } |  | | |
| D5_EtFOSAA_EIS | (589.0 / 419.0) 694614 | (9.66, N/A) (N/A, 0.00, N/A) | 115.8 | N/A | 3.2432 [4.0000] | 81.1% { 96.0% } |  | | |
| D7_NMeFOSE_EIS | (623.0 / 58.9) 758681 | (10.57, N/A) (N/A, 0.00, N/A) | 977.7 | N/A | 18.3771 [20.0000] | 91.9% { 94.0% } |  | | |
| D9_NEtFOSE_EIS | (639.0 / 58.9) 381418 | (10.66, N/A) (N/A, 0.00, N/A) | 823.9 | N/A | 20.0353 [20.0000] | 100.2% { 99.8% } |  | | |
| 13C3_HFPODA_EIS | (287.0 / 169.0) 1611647 | (6.44, N/A) (N/A, 0.00, N/A) | 883.2 | N/A | 7.3047 [8.0000] | 91.3% { 91.6% } |  | | |

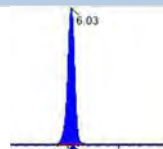
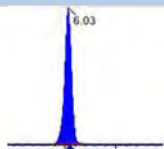
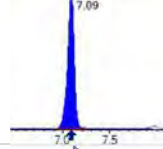
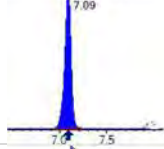
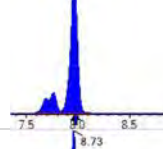
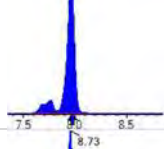
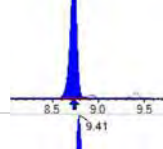
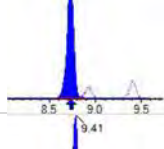
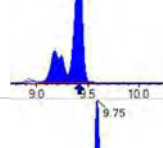
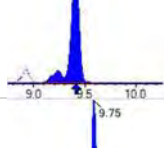
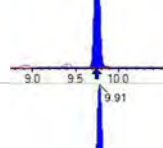
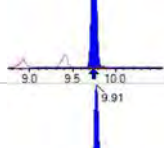
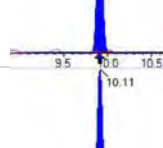
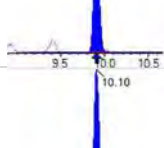
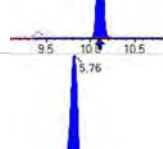
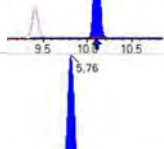
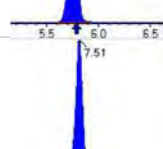
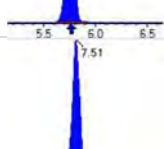
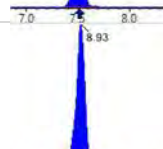
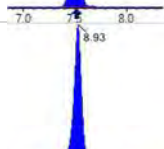
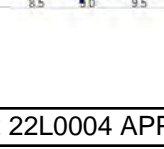
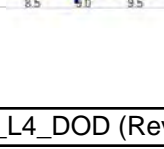


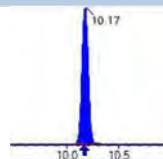
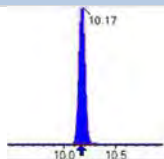
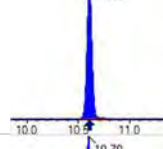
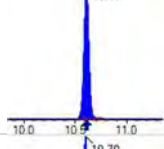
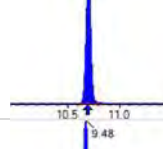
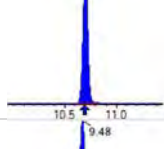
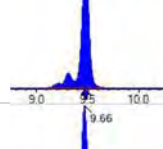
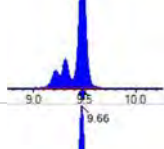
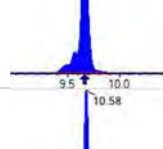
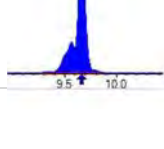
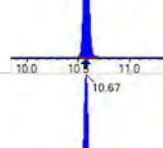
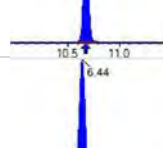
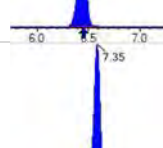
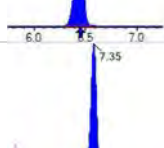
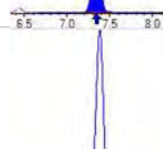
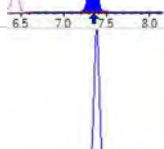
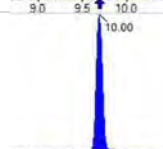
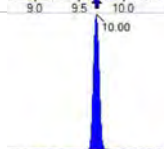
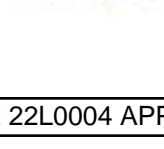
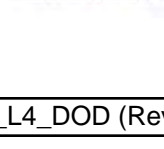
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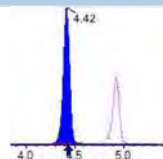
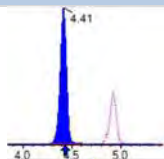
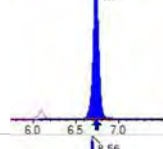
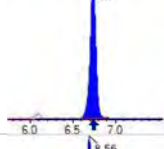
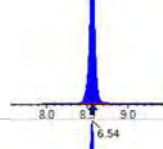
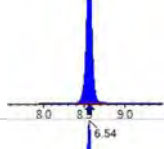
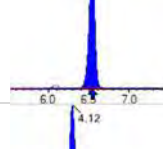
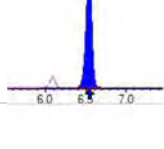
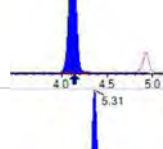
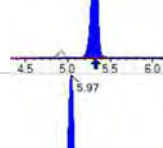
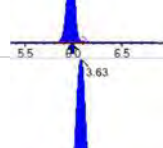
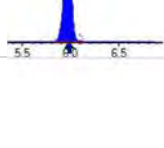
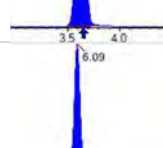
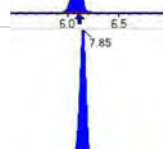
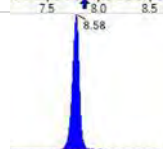
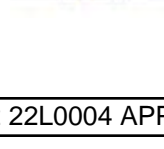
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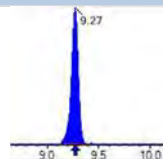
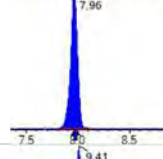
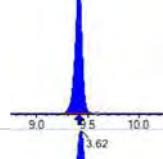
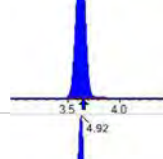
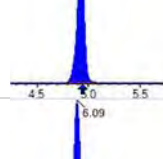
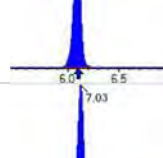
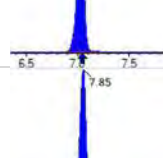
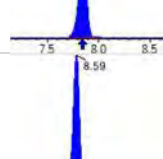
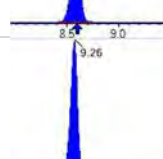
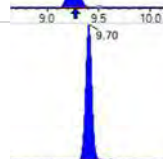
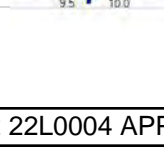
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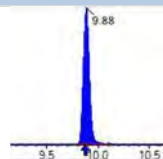
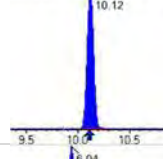
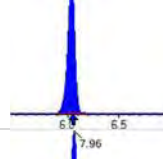
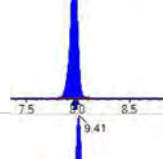
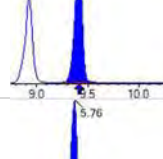
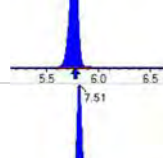
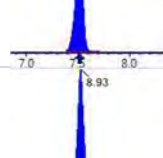
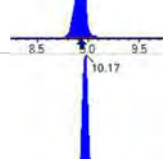
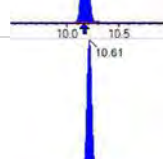
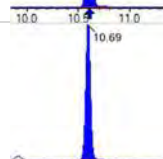
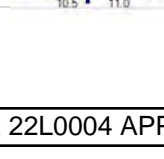
| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|---------|---|--|----------------|-------------------------------------|---------------------------------|---------------------------|-----------------------|----------------------------|------|
| PFBA | (213.0 / 169.0) 33569570 | (3.62, 1.00) (0.00, N/A, 0.0) | 573.3 | N/A 0.0 0.0 | 194.4852 [200.0000] | 97.2% | | | |
| PFPeA | (263.0 / 219.0) 23278094 (263.0 / 69.0) 247295 | (4.93, 1.00) (0.00, N/A, 0.0) | 542.3 596.8 | 0.0106 102.8 102.8 | 101.3295 [100.0000] | 101.3% | | | |
| PFHxA | (313.0 / 269.0) 17653199 (313.0 / 119.0) 1598452 | (6.09, 1.00) (0.00, N/A, 0.0) | 569.0 595.9 | 0.0905 93.0 93.0 | 49.3703 [50.0000] | 98.7% | | | |
| PFHpA | (363.0 / 319.0) 16286788 (363.0 / 169.0) 4767611 | (7.03, 1.00) (0.00, N/A, 0.1) | 532.0 561.4 | 0.2927 102.3 102.3 | 49.0298 [50.0000] | 98.1% | | | |
| PFOA | (413.0 / 369.0) 17642359 (413.0 / 169.0) 5590591 | (7.85, 1.00) (0.00, N/A, 0.1) | 617.1 617.7 | 0.3169 104.4 104.4 | 48.4551 [50.0000] | 96.9% | | | |
| PFNA | (463.0 / 419.0) 14950600 (463.0 / 169.0) 3093568 | (8.58, 1.00) (0.00, N/A, -0.1) | 639.9 648.1 | 0.2069 97.7 97.7 | 58.4455 [50.0000] | 116.9% | | | |
| PFDA | (513.0 / 469.0) 18329827 (513.0 / 169.0) 1650236 | (9.27, 1.00) (0.01, N/A, 0.0) | 460.2 532.0 | 0.0900 97.7 97.7 | 50.5354 [50.0000] | 101.1% | | | |
| PFUnA | (563.0 / 519.0) 15578289 (563.0 / 169.0) 1481688 | (9.70, 1.00) (0.00, N/A, 0.0) | 507.8 371.0 | 0.0951 123.7 123.7 | 50.2512 [50.0000] | 100.5% | | | |
| PFDoA | (613.0 / 569.0) 22678536 (613.0 / 169.0) 3050501 | (9.88, 1.00) (0.00, N/A, 0.0) | 808.2 662.2 | 0.1345 99.9 99.9 | 48.1501 [50.0000] | 96.3% | | | |
| PFTrDA | (663.0 / 619.0) 17672109 (663.0 / 169.0) 3451672 | (10.01, 1.01) (N/A, 0.01, -0.2) | 731.2 678.8 | 0.1953 89.7 89.7 | 43.0013 [50.0000] | 86.0% | | | |
| PFTeDA | (713.0 / 669.0) 13791642 (713.0 / 169.0) 2869510 | (10.12, 1.00) (0.00, N/A, -0.1) | 859.6 810.8 | 0.2081 105.4 105.4 | 46.8208 [50.0000] | 93.6% | | | |

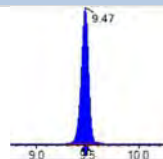
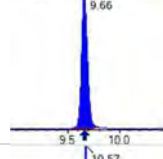
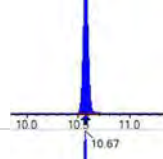
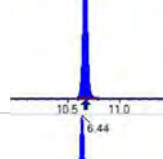
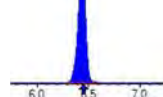
| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|---------|---|--|------------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| PFBS | (299.0 / 80.0) 22793351 (299.0 / 99.0) 14732428 | (6.03, 1.00) (0.00, N/A, 0.0) | 768.8 709.0 | 0.6463 98.3 98.3 | 46.7674 [44.2367] | 105.7% |  |  | |
| PFPeS | (349.0 / 80.0) 40218405 (349.0 / 99.0) 14962488 | (7.09, 0.89) (N/A, 0.00, 0.0) | 586.9 713.7 | 0.3720 100.4 100.4 | 45.3788 [46.9191] | 96.7% |  |  | |
| PFHxS | (399.0 / 80.0) 35801691 (399.0 / 99.0) 11830220 | (7.96, 1.00) (0.00, N/A, 0.1) | 690.7 876.4 | 0.3304 101.4 101.4 | 45.8641 [45.5491] | 100.7% |  |  | |
| PFHpS | (449.0 / 80.0) 34360748 (449.0 / 99.0) 9478674 | (8.73, 0.93) (N/A, 0.00, 0.1) | 610.7 627.3 | 0.2759 105.9 105.9 | 52.0299 [47.5703] | 109.4% |  |  | |
| PFOS | (499.0 / 80.0) 37368869 (499.0 / 99.0) 8914695 | (9.41, 1.00) (0.00, N/A, 0.2) | 316.1 1073.9 | 0.2386 114.7 114.7 | 49.1653 [46.3746] | 106.0% |  |  | |
| PFNS | (549.0 / 80.0) 39253416 (549.0 / 99.0) 10617329 | (9.75, 1.04) (N/A, 0.00, 0.1) | 769.1 907.9 | 0.2705 113.6 113.6 | 45.5601 [47.9943] | 94.9% |  |  | |
| PFDS | (599.0 / 80.0) 43813922 (599.0 / 99.0) 11690487 | (9.91, 1.05) (N/A, 0.01, 0.1) | 1331.0 1083.4 | 0.2668 101.4 101.4 | 42.0581 [48.1553] | 87.3% |  |  | |
| PFDoS | (699.0 / 80.0) 24176284 (699.0 / 99.0) 4947011 | (10.11, 1.07) (N/A, 0.00, 0.2) | 1542.5 1161.8 | 0.2046 104.4 104.4 | 49.2809 [48.4781] | 101.7% |  |  | |
| 4:2FTS | (327.0 / 307.0) 46914845 (327.0 / 81.0) 30392481 | (5.76, 1.00) (0.00, N/A, 0.1) | 468.9 552.8 | 0.6478 90.5 90.5 | 154.9729 [186.9055] | 82.9% |  |  | |
| 6:2FTS | (427.0 / 407.0) 30620667 (427.0 / 81.0) 23809834 | (7.51, 1.00) (0.00, N/A, 0.0) | 553.7 585.7 | 0.7776 105.2 105.2 | 157.5925 [189.8085] | 83.0% |  |  | |
| 8:2FTS | (527.0 / 507.0) 35359827 (527.0 / 81.0) 24620576 | (8.93, 1.00) (0.00, N/A, 0.0) | 462.4 445.1 | 0.6963 113.8 113.8 | 140.2896 [191.6577] | 73.2% |  |  | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|--------------|--|--|------------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| PFOSA | (498.0 / 78.0) 36987214 (498.0 / 478.0) 966926 | (10.17, 1.00) (0.00, N/A, 0.0) | 837.2 493.2 | 0.0261 125.2 125.2 | 44.9874 [50.0000] | 90.0% |  |  | |
| NMeFOSA | (512.0 / 219.0) 26657439 (512.0 / 169.0) 19827408 | (10.61, 1.00) (0.00, N/A, 0.0) | 1144.4 1193.4 | 0.7438 107.5 107.5 | 143.5775 [200.0000] | 71.8% |  |  | |
| NEIFOSA | (526.0 / 219.0) 26441647 (526.0 / 169.0) 28216493 | (10.70, 1.00) (0.00, N/A, 0.0) | 1208.4 1347.0 | 1.0671 107.5 107.5 | 181.8386 [200.0000] | 90.9% |  |  | |
| NMeFOSAA | (570.0 / 419.0) 9531785 (570.0 / 483.0) 4860188 | (9.48, 1.00) (0.00, N/A, 0.1) | 719.2 399.9 | 0.5099 91.6 91.6 | 52.2034 [50.0000] | 104.4% |  |  | |
| NEIFOSAA | (584.0 / 419.0) 6456135 (584.0 / 526.0) 4152414 | (9.66, 1.00) (0.00, N/A, -0.1) | 995.6 631.1 | 0.6432 108.4 108.4 | 47.7698 [50.0000] | 95.5% |  |  | |
| NMeFOSE | (616.0 / 59.0) 9085783 | (10.58, 1.00) (0.01, N/A, 0.0) | 1031.4 | N/A 0.0 0.0 | 208.1854 [200.0000] | 104.1% |  | | |
| NEtFOSE | (630.0 / 59.0) 1834773 | (10.67, 1.00) (0.01, N/A, 0.0) | 1373.8 | N/A 0.0 0.0 | 200.6270 [200.0000] | 100.3% |  | | |
| HFPO-DA | (285.0 / 169.0) 13516757 (285.0 / 185.0) 32294464 | (6.44, 1.00) (0.00, N/A, 0.0) | 647.4 645.5 | 2.3892 93.2 93.2 | 101.8045 [100.0000] | 101.8% |  |  | |
| ADONA | (377.0 / 85.0) 46413143 (377.0 / 251.0) 6104545 | (7.35, 1.14) (N/A, 0.00, -0.1) | 668.4 614.5 | 0.1315 106.9 106.9 | 87.7217 [94.2700] | 93.1% |  |  | |
| 9Cl-Pf3ONS | (531.0 / 351.0) N/A (533.0 / 353.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 [93.3254] | N/A% |  |  | QC, |
| 11Cl-PF3OUDS | (631.0 / 451.0) 59355780 (633.0 / 453.0) 23725464 | (10.00, 1.55) (N/A, 0.01, 0.0) | 1116.9 987.8 | 0.3997 129.0 129.0 | 72.5743 [94.3208] | 76.9% |  |  | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|----------------|--|--|----------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| 3:3FTCA | (241.0 / 177.0) 1874462 (241.0 / 117.0) 2453342 | (4.42, 0.90) (N/A, -0.02, 0.1) | 698.2 621.4 | 1.3088 99.5 99.5 | 237.3929 [200.0000] | 118.7% |  |  | |
| 5:3FTCA | (341.0 / 236.7) 12152463 (341.0 / 217.0) 18812655 | (6.74, 1.11) (N/A, -0.01, -0.1) | 578.8 622.5 | 1.5481 86.3 86.3 | 222.0479 [200.0000] | 111.0% |  |  | |
| 7:3FTCA | (441.0 / 317.0) 14311721 (441.0 / 337.0) 13178355 | (8.56, 1.40) (N/A, 0.00, 0.1) | 526.5 537.1 | 0.9208 111.7 111.7 | 200.7446 [200.0000] | 100.4% |  |  | |
| PFEESA | (315.0 / 135.0) 28898997 (315.0 / 83.0) 8885940 | (6.54, 1.07) (N/A, -0.01, 0.0) | 806.1 780.0 | 0.3075 100.8 100.8 | 88.0273 [89.2459] | 98.6% |  |  | |
| PFMPA | (229.0 / 85.0) 7131587 | (4.12, 0.84) (N/A, -0.02, 0.0) | 910.9 | N/A 0.0 0.0 | 106.2969 [100.0000] | 106.3% |  | | |
| PFMBA | (279.0 / 85.0) 20237634 | (5.31, 1.08) (N/A, -0.02, 0.0) | 680.1 | N/A 0.0 0.0 | 105.7764 [100.0000] | 105.8% |  | | |
| NFDHA | (295.0 / 201.0) 16978532 (295.0 / 85.0) 13947691 | (5.97, 0.98) (N/A, -0.01, 0.1) | 588.2 617.6 | 0.8215 95.6 95.6 | 96.7397 [100.0000] | 96.7% |  |  | |
| 13C3_PFBA_IIS | (216.0 / 172.0) 184575 | (3.63, N/A) (N/A, -0.02, N/A) | 469.6 | N/A | 0.8571 [1.0000] | 85.7% {80.6%} |  | | |
| 13C2_PFHxA_IIS | (315.0 / 270.0) 349653 | (6.09, N/A) (N/A, -0.01, N/A) | 615.3 | N/A | 0.9211 [1.0000] | 92.1% {89.9%} |  | | |
| 13C4_PFOA_IIS | (417.0 / 372.0) 335488 | (7.85, N/A) (N/A, 0.00, N/A) | 508.6 | N/A | 0.9294 [1.0000] | 92.9% {89.3%} |  | | |
| 13C5_PFNA_IIS | (468.0 / 423.0) 270575 | (8.58, N/A) (N/A, 0.00, N/A) | 341.8 | N/A | 0.9201 [1.0000] | 92.0% {88.5%} |  | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|----------------|------------------------------|--|-------|-------------------------------------|---------------------------------|---------------------------|---|----------------------------|------|
| 13C2_PFDA_IIS | (515.0 / 470.1) 314944 | (9.27, N/A) (N/A, 0.00, N/A) | 470.4 | N/A | 0.9245 [1.0000] | 92.5% { 86.4% } |  | | |
| 18O2_PFHxS_IIS | (403.0 / 83.9) 589929 | (7.96, N/A) (N/A, 0.00, N/A) | 643.3 | N/A | 0.9898 [1.0000] | 99.0% { 94.5% } |  | | |
| 13C4_PFOS_IIS | (503.0 / 79.9) 589019 | (9.41, N/A) (N/A, 0.00, N/A) | 429.8 | N/A | 0.9135 [1.0000] | 91.3% { 95.0% } |  | | |
| 13C4_PFBA_EIS | (217.0 / 172.0) 1477920 | (3.62, N/A) (N/A, -0.02, N/A) | 597.8 | N/A | 7.9754 [8.0000] | 99.7% { 79.8% } |  | | |
| 13C5_PFPeA_EIS | (268.0 / 223.0) 967741 | (4.92, N/A) (N/A, -0.02, N/A) | 628.1 | N/A | 3.6686 [4.0000] | 91.7% { 81.8% } |  | | |
| 13C5_PFHxA_EIS | (318.0 / 273.0) 720657 | (6.09, N/A) (N/A, -0.01, N/A) | 597.2 | N/A | 2.0141 [2.0000] | 100.7% { 96.3% } |  | | |
| 13C4_PFHpA_EIS | (367.0 / 322.0) 634008 | (7.03, N/A) (N/A, -0.01, N/A) | 508.3 | N/A | 2.0398 [2.0000] | 102.0% { 92.3% } |  | | |
| 13C8_PFOA_EIS | (421.0 / 376.0) 683572 | (7.85, N/A) (N/A, 0.00, N/A) | 529.8 | N/A | 1.9915 [2.0000] | 99.6% { 89.2% } |  | | |
| 13C9_PFNA_EIS | (472.0 / 427.0) 265041 | (8.59, N/A) (N/A, 0.00, N/A) | 439.5 | N/A | 0.9427 [1.0000] | 94.3% { 86.6% } |  | | |
| 13C6_PFDA_EIS | (519.0 / 474.0) 365764 | (9.26, N/A) (N/A, -0.01, N/A) | 392.9 | N/A | 0.9615 [1.0000] | 96.1% { 84.7% } |  | | |
| 13C7_PFUnA_EIS | (570.0 / 525.0) 339697 | (9.70, N/A) (N/A, 0.00, N/A) | 365.9 | N/A | 0.7261 [1.0000] | 72.6% { 60.5% } |  | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|-----------------|------------------------------|--|-------|-------------------------------------|---------------------------------|---------------------------|---|----------------------------|------|
| 13C2_PFDa_EIS | (615.0 / 570.0) 491463 | (9.88, N/A) (N/A, 0.00, N/A) | 482.8 | N/A | 1.0527 [1.0000] | 105.3% { 85.0% } |  | | |
| 13C2_PFTeDA_EIS | (715.0 / 670.0) 291195 | (10.12, N/A) (N/A, 0.00, N/A) | 695.0 | N/A | 0.9844 [1.0000] | 98.4% { 87.1% } |  | | |
| 13C3_PFBs_EIS | (302.0 / 80.0) 1527929 | (6.04, N/A) (N/A, -0.01, N/A) | 594.2 | N/A | 1.6856 [2.0000] | 84.3% { 83.5% } |  | | |
| 13C3_PFHxS_EIS | (402.0 / 80.0) 901357 | (7.96, N/A) (N/A, 0.00, N/A) | 633.6 | N/A | 1.8364 [2.0000] | 91.8% { 90.7% } |  | | |
| 13C8_PFOS_EIS | (507.0 / 80.0) 1305448 | (9.41, N/A) (N/A, 0.00, N/A) | 59.4 | N/A | 1.8391 [2.0000] | 92.0% { 79.6% } |  | | |
| 13C2_4:2FTS_EIS | (329.0 / 81.0) 356106 | (5.76, N/A) (N/A, -0.01, N/A) | 524.1 | N/A | 3.4773 [4.0000] | 86.9% { 82.1% } |  | | |
| 13C2_6:2FTS_EIS | (429.0 / 81.0) 484087 | (7.51, N/A) (N/A, 0.00, N/A) | 579.7 | N/A | 3.5726 [4.0000] | 89.3% { 84.0% } |  | | |
| 13C2_8:2FTS_EIS | (529.0 / 81.0) 646332 | (8.93, N/A) (N/A, 0.00, N/A) | 344.6 | N/A | 3.7840 [4.0000] | 94.6% { 101.7% } |  | | |
| 13C8_PFOsa_EIS | (506.0 / 78.0) 1417895 | (10.17, N/A) (N/A, 0.00, N/A) | 483.7 | N/A | 1.7114 [2.0000] | 85.6% { 78.8% } |  | | |
| D3_NMeFOSA_EIS | (515.0 / 169.0) 382263 | (10.61, N/A) (N/A, 0.00, N/A) | 866.8 | N/A | 2.4399 [2.0000] | 122.0% { 103.5% } |  | | |
| D5_NeIFOSA_EIS | (531.0 / 169.0) 293201 | (10.69, N/A) (N/A, 0.00, N/A) | 541.6 | N/A | 2.0432 [2.0000] | 102.2% { 86.1% } |  | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-I[μ min], Δ RT- CV[μ min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|-----------------|------------------------------|---|--------|-------------------------------------|---------------------------------|---------------------------|--|----------------------------|------|
| D3_MeFOSAA_EIS | (573.0 / 419.0) 804844 | (9.47, N/A) (N/A, 0.01, N/A) | 473.4 | N/A | 3.6037 [4.0000] | 90.1% { 79.0% } |  | | |
| D5_EtFOSAA_EIS | (589.0 / 419.0) 548391 | (9.66, N/A) (N/A, 0.00, N/A) | 148.6 | N/A | 3.0882 [4.0000] | 77.2% { 75.8% } |  | | |
| D7_NMeFOSE_EIS | (623.0 / 58.9) 714917 | (10.57, N/A) (N/A, 0.00, N/A) | 1319.9 | N/A | 20.8861 [20.0000] | 104.4% { 88.6% } |  | | |
| D9_NEtFOSE_EIS | (639.0 / 58.9) 320462 | (10.67, N/A) (N/A, 0.00, N/A) | 1298.8 | N/A | 20.3028 [20.0000] | 101.5% { 83.9% } |  | | |
| 13C3_HFPODA_EIS | (287.0 / 169.0) 1530154 | (6.44, N/A) (N/A, -0.01, N/A) | 616.0 | N/A | 7.6446 [8.0000] | 95.6% { 87.0% } |  | | |

SECOND-SOURCE CALIBRATION VERIFICATION**Table B-15C****Laboratory:**CAPPL, L CL**SDG:**C**Client:**CTidewater, Inc.L**Project:**CNASA JPL SIL**Calibration:** 2250016L**Laboratory ID:**C5B03724-SCV1L**Sequence:** SB03724L**Standard ID:**C22L0185L

| ANALYTEC | EXPECTEDC (ng/mL)C | FOUNDC (ng/mL)C | % DRIFTC | QC LIMITC |
|-----------------|-------------------------------|----------------------------|-----------------|------------------|
| PFBAL | 8.00L | 8.44L | 5.5L | 30.00L |
| PFPEAL | 4.00L | 3.99L | -0.2L | 30.00L |
| PFHXAL | 2.00L | 2.07L | 3.4L | 30.00L |
| PFHPAL | 2.00L | 1.92L | -4.1L | 30.00L |
| PFOAL | 2.00L | 2.13L | 6.7L | 30.00L |
| PFNAL | 2.00L | 2.08L | 3.8L | 30.00L |
| PFDAL | 2.00L | 1.90L | -4.9L | 30.00L |
| PFUnAL | 2.00L | 1.90L | -5.0L | 30.00L |
| PFDOAL | 2.00L | 2.18L | 8.9L | 30.00L |
| PFTRDAL | 2.00L | 2.14L | 7.1L | 30.00L |
| PFTE DAL | 2.00L | 2.07L | 3.6L | 30.00L |
| PFBSL | 1.77L | 1.74L | -1.4L | 30.00L |
| PFPE SL | 1.88L | 1.81L | -3.8L | 30.00L |
| PFHXSL | 1.83L | 1.74L | -4.8L | 30.00L |
| PFHPSL | 1.91L | 1.90L | -0.4L | 30.00L |
| PFOSL | 1.86L | 1.77L | -5.0L | 30.00L |
| PFNSL | 1.92L | 1.89L | -1.5L | 30.00L |
| PFDSL | 1.93L | 1.84L | -4.8L | 30.00L |
| 4:2FTSL | 7.50L | 7.13L | -5.0L | 30.00L |
| 6:2FTSL | 7.60L | 7.77L | 2.2L | 30.00L |
| 8:2FTSL | 7.68L | 7.55L | -1.7L | 30.00L |
| PFOSAL | 2.00L | 1.98L | -1.2L | 30.00L |
| NMeFOSAL | 8.00L | 7.65L | -4.4L | 30.00L |
| NEtFOSAL | 8.00L | 7.40L | -7.5L | 30.00L |
| NMeFOSAAL | 2.00L | 2.27L | 13.3L | 30.00L |
| NEtFOSAAL | 2.00L | 2.34L | 16.8L | 30.00L |
| NMeFOSEL | 8.00L | 6.90L | -13.8L | 30.00L |

SECOND-SOURCE CALIBRATION VERIFICATION**Table B-15C****Laboratory:**CAPPL, L CL**SDG:**C**Client:**CTidewater, Inc.L**Project:**CNASA JPL SIL**Calibration:** 2250016L**Laboratory ID:**C SB03724-SCV1L**Sequence:** SB03724L**Standard ID:**C22L0185L

| | | | | |
|---------------|-------|--------|--------|--------|
| NEtFOSEL | 8.00L | 7.51L | -6.1L | 30.00L |
| HFPO-DAL | 4.00L | 4.03L | 0.8L | 30.00L |
| ADONAL | 3.78L | 3.86L | 2.1L | 30.00L |
| 9CL-PF3ONSL | 3.74L | 4.01L | 7.3L | 30.00L |
| 11CL-PF3OUDSL | 3.78L | 3.84L | 1.7L | 30.00L |
| 13C4-PFBAL | 8.00L | 7.57L | -5.3L | 50.00L |
| 13C5-PFPEAL | 4.00L | 4.25L | 6.1L | 50.00L |
| 13C5-PFHXL | 2.00L | 1.96L | -1.8L | 50.00L |
| 13C4-PFHPAL | 2.00L | 2.07L | 3.4L | 50.00L |
| 13C8-PFOAL | 2.00L | 1.96L | -2.0L | 50.00L |
| 13C9-PFNAL | 1.00L | 0.875L | -12.5L | 50.00L |
| 13C6-PFDAL | 1.00L | 0.938L | -6.2L | 50.00L |
| 13C7-PFUnAL | 1.00L | 1.02L | 1.8L | 50.00L |
| 13C2-PFDOAL | 1.00L | 0.891L | -10.9L | 50.00L |
| 13C2-PFTEDAL | 1.00L | 0.905L | -9.5L | 50.00L |
| 13C3-PFBSL | 2.00L | 1.91L | -4.3L | 50.00L |
| 13C3-PFHXS | 2.00L | 1.91L | -4.5L | 50.00L |
| 13C8-PFOSL | 2.00L | 1.99L | -0.6L | 50.00L |
| 13C2-4:2FTSL | 4.00L | 4.01L | 0.2L | 50.00L |
| 13C2-6:2FTSL | 4.00L | 3.63L | -9.3L | 50.00L |
| 13C2-8:2FTSL | 4.00L | 3.92L | -1.9L | 50.00L |
| 13C8-PFOSAL | 2.00L | 1.96L | -2.1L | 50.00L |
| D3-NMEFOSAL | 2.00L | 1.85L | -7.7L | 50.00L |
| D5-NETFOSAL | 2.00L | 1.96L | -1.9L | 50.00L |
| D3-NMEFOSAAL | 4.00L | 3.79L | -5.2L | 50.00L |
| D5-NETFOSAAL | 4.00L | 3.51L | -12.2L | 50.00L |
| D7-NMEFOSEL | 20.0L | 20.0L | -0.2L | 50.00L |
| D9-NETFOSL | 20.0L | 19.5L | -2.4L | 50.00L |
| 13C3-HFPO-DAL | 8.00L | 7.86L | -1.7L | 50.00L |

SECOND-SOURCE CALIBRATION VERIFICATION**Table B-15C****Laboratory:**CAPPL, L CL**Client:**CTidewater, Inc.L**Calibration:** 2250016L**Sequence:** SB03724L**SDG:**C**Project:**CNASA JPL SIL**Laboratory ID:**CSB03724-SCV1L**Standard ID:**C22L0185L

* Values outside of QC limitsL

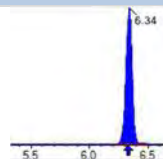
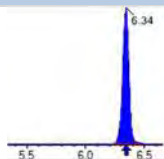
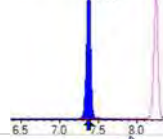
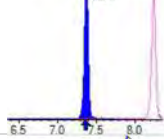
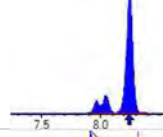
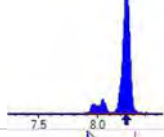
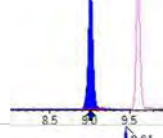
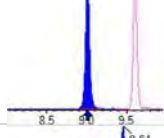
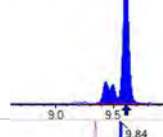
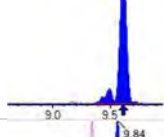
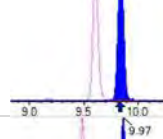
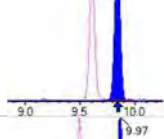
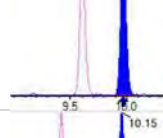
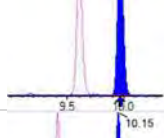
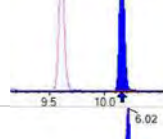
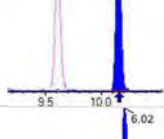
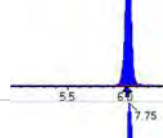
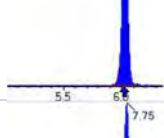
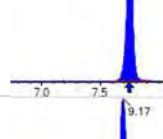
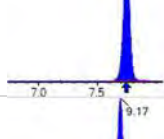
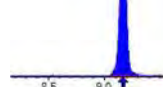
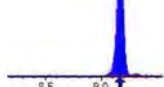


Chemist: ABK
 Instrument: Saphira
 Type: Sciex Q3 5500

Sample I.D.: SB03724-SCV1
 DF, IV: 1, 10.0µL
 Acquisition Method: 1633 2022-12-07.dam

Quant Method: 1633 - 2022-12-07
 Path: S2022-12-07A22.wiff-0
 Acquired: 2022/12/07 - 16:06

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (ΔRT-[min], ΔRT- CV[min], ΔRT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|---------|---|---|-----------------|-------------------------------------|---------------------------------|---------------------------|-----------------------|----------------------------|------|
| PFBA | (212.9 / 169.0) 594184 | (3.88, 1.00) (0.00, N/A, 0.0) | 131.5 | N/A 0.0 0.0 | 8.4366 [8.0000] | 105.5% | | | |
| PFPeA | (262.9 / 219.0) 372834 (262.9 / 69.0) 4351 | (5.23, 1.00) (0.00, N/A, -0.1) | 1641.8 156.3 | 0.0117 100.2 100.2 | 3.9918 [4.0000] | 99.8% | | | |
| PFHxA | (313.0 / 269.0) 262203 (313.0 / 119.0) 21896 | (6.37, 1.00) (0.00, N/A, 0.1) | 1017.4 474.9 | 0.0835 92.9 92.9 | 2.0687 [2.0000] | 103.4% | | | |
| PFHpA | (363.0 / 319.0) 232160 (363.0 / 169.0) 65071 | (7.29, 1.00) (0.00, N/A, 0.1) | 777.9 681.6 | 0.2803 97.7 97.7 | 1.9181 [2.0000] | 95.9% | | | |
| PFOA | (413.0 / 369.0) 274652 (413.0 / 169.0) 83642 | (8.11, 1.00) (0.00, N/A, 0.1) | 688.7 630.5 | 0.3045 94.1 94.1 | 2.1336 [2.0000] | 106.7% | | | |
| PFNA | (463.0 / 419.0) 192853 (463.0 / 169.0) 42438 | (8.85, 1.00) (0.00, N/A, -0.3) | 447.9 220.2 | 0.2201 109.3 109.3 | 2.0769 [2.0000] | 103.8% | | | |
| PFDA | (513.0 / 469.0) 234313 (513.0 / 169.0) 24111 | (9.50, 1.00) (0.00, N/A, -0.3) | 451.7 4709.1 | 0.1029 115.9 115.9 | 1.9027 [2.0000] | 95.1% | | | |
| PFUnA | (563.0 / 519.0) 295747 (563.0 / 169.0) 30286 | (9.80, 1.00) (0.00, N/A, 0.3) | 626.2 4085.2 | 0.1024 95.3 95.3 | 1.8995 [2.0000] | 95.0% | | | |
| PFDoA | (613.0 / 569.0) 376485 (613.0 / 169.0) 56337 | (9.95, 1.00) (0.00, N/A, 0.0) | 843.2 1398.5 | 0.1496 125.7 125.7 | 2.1775 [2.0000] | 108.9% | | | |
| PFTTrDA | (663.0 / 619.0) 325307 (663.0 / 169.0) 71050 | (10.07, 1.01) (N/A, 0.00, 0.0) | 702.4 487.5 | 0.2184 117.3 117.3 | 2.1420 [2.0000] | 107.1% | | | |
| PFTTeDA | (713.0 / 669.0) 285976 (713.0 / 169.0) 51891 | (10.17, 1.00) (0.00, N/A, -0.1) | 1007.1 392.3 | 0.1815 92.2 92.2 | 2.0712 [2.0000] | 103.6% | | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|---------|---|--|----------------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| PFBS | (298.9 / 80.0) 341791 (298.9 / 99.0) 229688 | (6.34, 1.00) (0.00, N/A, 0.0) | 1922.7 1578.4 | 0.6720 99.2 99.2 | 1.7446 [1.7695] | 98.6% |  |  | |
| PFPeS | (349.0 / 80.0) 623941 (349.0 / 99.0) 240498 | (7.38, 0.89) (N/A, 0.01, 0.1) | 1449.1 1454.4 | 0.3854 105.7 105.7 | 1.8091 [1.8768] | 96.4% |  |  | |
| PFHxS | (399.0 / 80.0) 532964 (399.0 / 99.0) 181808 | (8.25, 1.00) (0.00, N/A, 0.1) | 180239.8 800578.2 | 0.3411 98.9 98.9 | 1.7428 [1.8220] | 95.7% |  |  | |
| PFHpS | (449.0 / 80.0) 537097 (449.0 / 99.0) 138505 | (9.01, 0.94) (N/A, 0.01, 0.0) | 1527.5 1015.9 | 0.2579 90.7 90.7 | 1.9017 [1.9028] | 99.9% |  |  | |
| PFOS | (499.0 / 80.0) 618109 (499.0 / 99.0) 142161 | (9.61, 1.00) (0.00, N/A, -0.2) | 365.9 444.3 | 0.2300 89.3 89.3 | 1.7667 [1.8550] | 95.2% |  |  | |
| PFNS | (549.0 / 80.0) 776987 (549.0 / 99.0) 183656 | (9.84, 1.02) (N/A, 0.00, 0.0) | 1159.8 640.7 | 0.2364 98.9 98.9 | 1.8913 [1.9198] | 98.5% |  |  | |
| PFDS | (599.0 / 80.0) 945224 (599.0 / 99.0) 227305 | (9.97, 1.04) (N/A, 0.00, 0.0) | 1098.6 909.4 | 0.2405 103.4 103.4 | 1.8372 [1.9262] | 95.4% |  |  | |
| PFDoS | (698.9 / 80.0) 525013 (698.9 / 99.0) 120787 | (10.15, 1.06) (N/A, 0.00, 0.0) | 1296.7 684.6 | 0.2301 99.3 99.3 | 1.7206 [1.9391] | 88.7% |  |  | |
| 4:2FTS | (327.0 / 307.0) 471746 (327.0 / 81.0) 273478 | (6.02, 1.00) (0.00, N/A, 0.0) | 2333.0 1368.2 | 0.5797 97.1 97.1 | 7.1259 [7.4762] | 95.3% |  |  | |
| 6:2FTS | (427.0 / 407.0) 283630 (427.0 / 81.0) 210114 | (7.75, 1.00) (0.00, N/A, 0.1) | 1685.9 1448.2 | 0.7408 103.0 103.0 | 7.7695 [7.5923] | 102.3% |  |  | |
| 8:2FTS | (527.0 / 507.0) 256309 (527.0 / 81.0) 163447 | (9.17, 1.00) (0.00, N/A, -0.1) | 1361.5 980.6 | 0.6377 102.3 102.3 | 7.5514 [7.6663] | 98.5% |  |  | |

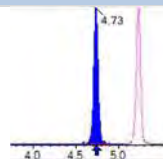
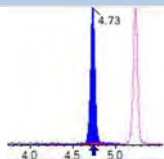
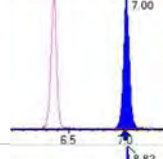
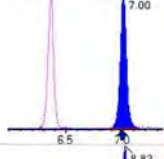
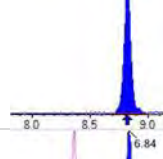
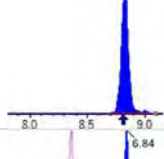
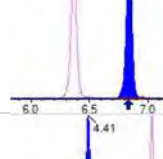
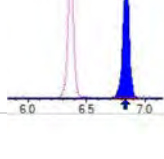
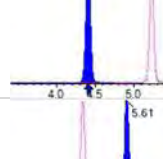
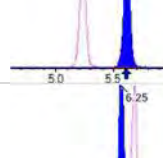
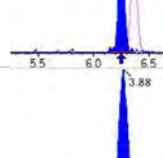
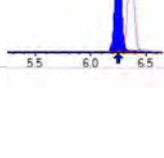
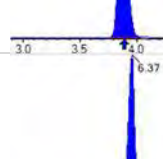
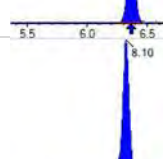
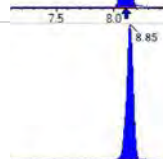
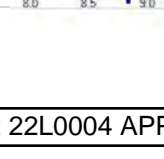


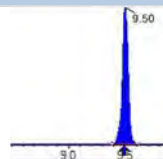
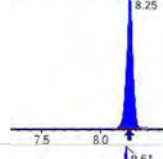
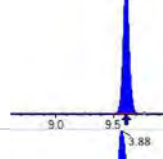
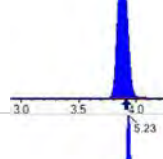
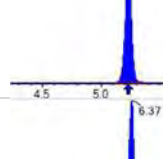
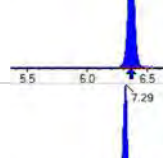
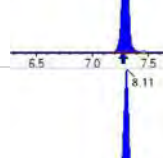
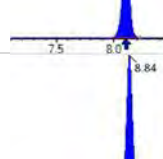
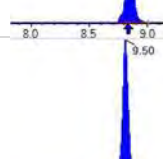
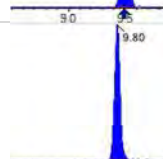
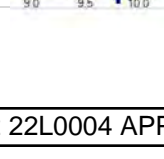
Chemist: ABK
Instrument: Saphira
Type: Sciex Q3 5500

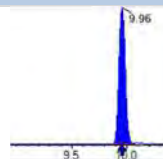
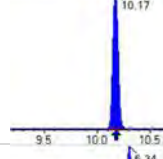
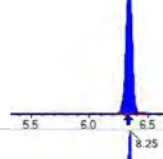
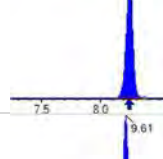
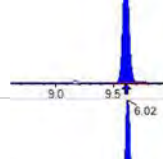
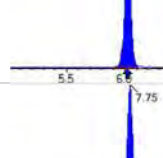
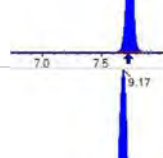
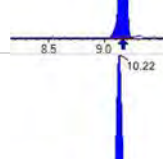
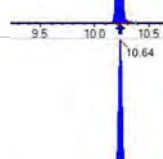
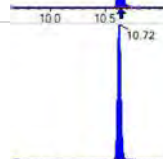
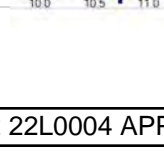
Sample I.D.: SB03724-SCV1
DF, IV: 1, 10.0µL
Acquisition Method: 1633 2022-12-07.dam

Quant Method: 1633 - 2022-12-07
Path: S2022-12-07A22.wiff-0
Acquired: 2022/12/07 - 16:06

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (ΔRT-[min], ΔRT- CV[min], ΔRT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|--------------|---|---|-------------------|-------------------------------------|---------------------------------|---------------------------|-----------------------|----------------------------|------|
| PFOSA | (498.0 / 78.0) 1028224 (498.0 / 478.0) 19818 | (10.22 , 1.00) (0.00 , N/A , 0.0) | 1209.2 483.5 | 0.0193 80.7 80.7 | 1.9763 [2.0000] | 98.8% | | | |
| NMeFOSA | (511.9 / 219.0) 918652 (511.9 / 169.0) 607401 | (10.64 , 1.00) (0.00 , N/A , 0.0) | 1724.9 1574.8 | 0.6612 99.1 99.1 | 7.6493 [8.0000] | 95.6% | | | |
| NEIFOSA | (526.0 / 219.0) 965341 (526.0 / 169.0) 1014670 | (10.73 , 1.00) (0.00 , N/A , 0.0) | 2661.7 2876.4 | 1.0511 96.5 96.5 | 7.4036 [8.0000] | 92.5% | | | |
| NMeFOSAA | (570.0 / 419.0) 130661 (570.0 / 483.0) 58487 | (9.64 , 1.00) (0.00 , N/A , 0.0) | 1490.3 62446.6 | 0.4476 96.5 96.5 | 2.2670 [2.0000] | 113.3% | | | |
| NEIFOSAA | (584.0 / 419.0) 112832 (584.0 / 526.0) 73691 | (9.78 , 1.00) (0.00 , N/A , 0.1) | 598.9 514.8 | 0.6531 107.6 107.6 | 2.3361 [2.0000] | 116.8% | | | |
| NMeFOSE | (616.1 / 59.0) 234108 | (10.61 , 1.00) (0.01 , N/A , 0.0) | 1346.1 | N/A 0.0 0.0 | 6.8971 [8.0000] | 86.2% | | | |
| NEIFOSE | (630.0 / 59.0) 61825 | (10.70 , 1.00) (0.01 , N/A , 0.0) | 1283.2 | N/A 0.0 0.0 | 7.5125 [8.0000] | 93.9% | | | |
| HFPO-DA | (285.0 / 169.0) 221691 (285.0 / 185.0) 630496 | (6.72 , 1.00) (0.00 , N/A , 0.0) | 1224.8 1291.9 | 2.8440 102.6 102.6 | 4.0302 [4.0000] | 100.8% | | | |
| ADONA | (377.0 / 85.0) 858385 (377.0 / 251.0) 104733 | (7.61 , 1.13) (N/A , 0.01 , 0.0) | 2279.9 471.5 | 0.1220 97.1 97.1 | 3.8593 [3.7708] | 102.3% | | | |
| 9CI-Pf3ONS | (531.0 / 351.0) 2455621 (533.0 / 353.0) 762245 | (9.80 , 1.46) (N/A , 0.00 , 0.0) | 1064.4 1291.8 | 0.3104 93.0 93.0 | 4.0120 [3.7330] | 107.5% | | | |
| 11CI-PF3OUDS | (631.0 / 451.0) 1619127 (633.0 / 453.0) 528085 | (10.05 , 1.50) (N/A , 0.00 , 0.0) | 1070.7 1879.8 | 0.3262 100.8 100.8 | 3.8448 [3.7728] | 101.9% | | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|----------------|--|--|------------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| 3:3FTCA | (241.0 / 177.0) 32161 (241.0 / 117.0) 55716 | (4.73, 0.90) (N/A, 0.00, 0.1) | 700.9 673.5 | 1.7324 99.5 99.5 | 7.0093 [8.0000] | 87.6% |  |  | |
| 5:3FTCA | (341.0 / 236.7) 210933 (341.0 / 217.0) 333902 | (7.00, 1.10) (N/A, 0.01, 0.0) | 1202.7 1033.6 | 1.5830 92.7 92.7 | 7.8332 [8.0000] | 97.9% |  |  | |
| 7:3FTCA | (441.0 / 317.0) 259942 (441.0 / 337.0) 214943 | (8.82, 1.39) (N/A, 0.01, 0.0) | 499.3 883.7 | 0.8269 100.2 100.2 | 7.4975 [8.0000] | 93.7% |  |  | |
| PFEESA | (315.0 / 135.0) 446293 (315.0 / 83.0) 136453 | (6.84, 1.07) (N/A, 0.01, -0.1) | 1293.8 815.5 | 0.3057 102.8 102.8 | 3.4435 [3.5698] | 96.5% |  |  | |
| PFMPA | (229.0 / 85.0) 97664 | (4.41, 0.84) (N/A, -0.01, 0.0) | 1518.8 | N/A 0.0 0.0 | 3.7974 [4.0000] | 94.9% |  | | |
| PFMBA | (279.0 / 85.0) 281864 | (5.61, 1.07) (N/A, 0.00, 0.0) | 1894.7 | N/A 0.0 0.0 | 3.5164 [4.0000] | 87.9% |  | | |
| NFDHA | (201.0 / 85.0) 14173 (295.0 / 201.0) 74912 | (6.25, 0.98) (N/A, 0.01, 0.0) | 375.0 1132.5 | 5.2854 75.5 75.5 | 4.5494 [4.0000] | 113.7% |  |  | |
| 13C3_PFBA_IIS | (216.0 / 172.0) 104227 | (3.88, N/A) (N/A, -0.02, N/A) | 2044.1 | N/A | 1.0843 [1.0000] | 108.4% { 102.0% } |  | | |
| 13C2_PFHxA_IIS | (315.1 / 270.0) 125484 | (6.37, N/A) (N/A, 0.01, N/A) | 812.3 | N/A | 1.0162 [1.0000] | 101.6% { 101.4% } |  | | |
| 13C4_PFOA_IIS | (417.0 / 372.0) 125229 | (8.10, N/A) (N/A, 0.01, N/A) | 1167.1 | N/A | 1.0563 [1.0000] | 105.6% { 111.2% } |  | | |
| 13C5_PFNA_IIS | (468.0 / 423.0) 111545 | (8.85, N/A) (N/A, 0.01, N/A) | 1135.2 | N/A | 1.1712 [1.0000] | 117.1% { 108.6% } |  | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|----------------|------------------------------|--|----------|-------------------------------------|---------------------------------|---------------------------|---|----------------------------|------|
| 13C2_PFDA_IIS | (515.1 / 470.1) 89091 | (9.50, N/A) (N/A, 0.01, N/A) | 731.3 | N/A | 1.0814 [1.0000] | 108.1% { 100.6% } |  | | |
| 18O2_PFHxS_IIS | (403.0 / 83.9) 228225 | (8.25, N/A) (N/A, 0.01, N/A) | 1475.1 | N/A | 1.0633 [1.0000] | 106.3% { 103.2% } |  | | |
| 13C4_PFOS_IIS | (502.8 / 79.9) 205563 | (9.61, N/A) (N/A, 0.01, N/A) | 789.5 | N/A | 1.1044 [1.0000] | 110.4% { 101.3% } |  | | |
| 13C4_PFBA_EIS | (217.0 / 172.0) 739976 | (3.88, N/A) (N/A, -0.02, N/A) | 2627.3 | N/A | 7.5727 [8.0000] | 94.7% { 94.4% } |  | | |
| 13C5_PFPeA_EIS | (267.9 / 223.0) 388638 | (5.23, N/A) (N/A, 0.00, N/A) | 2337.5 | N/A | 4.2457 [4.0000] | 106.1% { 104.5% } |  | | |
| 13C5_PFHxA_EIS | (318.0 / 273.0) 251504 | (6.37, N/A) (N/A, 0.01, N/A) | 1482.9 | N/A | 1.9650 [2.0000] | 98.2% { 94.8% } |  | | |
| 13C4_PFHpA_EIS | (367.0 / 322.0) 238969 | (7.29, N/A) (N/A, 0.01, N/A) | 1554.0 | N/A | 2.0684 [2.0000] | 103.4% { 105.3% } |  | | |
| 13C8_PFOA_EIS | (421.0 / 376.0) 249756 | (8.11, N/A) (N/A, 0.01, N/A) | 1340.8 | N/A | 1.9608 [2.0000] | 98.0% { 98.6% } |  | | |
| 13C9_PFNA_EIS | (472.0 / 427.0) 96314 | (8.84, N/A) (N/A, 0.01, N/A) | 802.2 | N/A | 0.8750 [1.0000] | 87.5% { 104.9% } |  | | |
| 13C6_PFDA_EIS | (519.0 / 474.0) 121389 | (9.50, N/A) (N/A, 0.01, N/A) | 139254.1 | N/A | 0.9380 [1.0000] | 93.8% { 98.4% } |  | | |
| 13C7_PFUnA_EIS | (570.0 / 525.0) 176865 | (9.80, N/A) (N/A, 0.00, N/A) | 537.4 | N/A | 1.0182 [1.0000] | 101.8% { 107.0% } |  | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-I[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|-----------------|------------------------------|---|--------|-------------------------------------|---------------------------------|---------------------------|---|----------------------------|------|
| 13C2_PFDa_EIS | (615.0 / 570.0) 187913 | (9.96, N/A) (N/A, 0.00, N/A) | 310.1 | N/A | 0.8914 [1.0000] | 89.1% { 81.5% } |  | | |
| 13C2_PFTeDA_EIS | (715.0 / 670.0) 140071 | (10.17, N/A) (N/A, 0.00, N/A) | 723.1 | N/A | 0.9051 [1.0000] | 90.5% { 94.1% } |  | | |
| 13C3_PFBs_EIS | (302.0 / 80.0) 641820 | (6.34, N/A) (N/A, 0.01, N/A) | 2880.9 | N/A | 1.9135 [2.0000] | 95.7% { 99.4% } |  | | |
| 13C3_PFHxS_EIS | (402.0 / 80.0) 364799 | (8.25, N/A) (N/A, 0.01, N/A) | 1596.6 | N/A | 1.9107 [2.0000] | 95.5% { 98.6% } |  | | |
| 13C8_PFOS_EIS | (507.0 / 80.0) 623261 | (9.61, N/A) (N/A, 0.00, N/A) | 888.7 | N/A | 1.9889 [2.0000] | 99.4% { 101.1% } |  | | |
| 13C2_4:2FTS_EIS | (329.0 / 81.0) 75802 | (6.02, N/A) (N/A, 0.01, N/A) | 859.0 | N/A | 4.0071 [4.0000] | 100.2% { 104.9% } |  | | |
| 13C2_6:2FTS_EIS | (429.0 / 81.0) 92055 | (7.75, N/A) (N/A, 0.01, N/A) | 884.5 | N/A | 3.6271 [4.0000] | 90.7% { 97.0% } |  | | |
| 13C2_8:2FTS_EIS | (529.0 / 81.0) 86453 | (9.17, N/A) (N/A, 0.01, N/A) | 1081.2 | N/A | 3.9246 [4.0000] | 98.1% { 97.7% } |  | | |
| 13C8_PFOsa_EIS | (506.0 / 78.0) 936961 | (10.22, N/A) (N/A, 0.00, N/A) | 1317.7 | N/A | 1.9586 [2.0000] | 97.9% { 105.0% } |  | | |
| D3_NMeFOSA_EIS | (515.0 / 169.0) 261332 | (10.64, N/A) (N/A, 0.00, N/A) | 1214.0 | N/A | 1.8460 [2.0000] | 92.3% { 100.5% } |  | | |
| D5_NEiFOSA_EIS | (531.1 / 169.0) 251809 | (10.72, N/A) (N/A, 0.00, N/A) | 1425.9 | N/A | 1.9618 [2.0000] | 98.1% { 103.8% } |  | | |



Chemist: ABK
 Instrument: Saphira
 Type: Sciex Q3 5500

Sample I.D.: SB03724-SCV1
 DF, IV: 1, 10.0µL
 Acquisition Method: 1633 2022-12-07.dam

Quant Method: 1633 - 2022-12-07
 Path: S2022-12-07A22.wiff- 0
 Acquired: 2022/12/07 - 16:06

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (ΔRT-I[min], ΔRT-CV[min], ΔRT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|-----------------|------------------------------|--|--------|-------------------------------------|---------------------------------|---------------------------|-----------------------|----------------------------|------|
| D3_MeFOSAA_EIS | (573.0 / 419.0) 264364 | (9.63 , N/A) (N/A , 0.01 , N/A) | 874.7 | N/A | 3.7919 [4.0000] | 94.8% { 96.8% } | | | |
| D5_EtFOSAA_EIS | (589.0 / 419.0) 210526 | (9.78 , N/A) (N/A , 0.00 , N/A) | 698.5 | N/A | 3.5133 [4.0000] | 87.8% { 91.2% } | | | |
| D7_NMeFOSE_EIS | (623.2 / 58.9) 482858 | (10.60 , N/A) (N/A , 0.00 , N/A) | 1769.3 | N/A | 19.9696 [20.0000] | 99.8% { 106.1% } | | | |
| D9_NEtFOSE_EIS | (639.2 / 58.9) 240368 | (10.70 , N/A) (N/A , 0.00 , N/A) | 2220.9 | N/A | 19.5101 [20.0000] | 97.6% { 101.2% } | | | |
| 13C3_HFPODA_EIS | (287.0 / 169.0) 662583 | (6.71 , N/A) (N/A , 0.01 , N/A) | 1335.7 | N/A | 7.8601 [8.0000] | 98.3% { 98.7% } | | | |

SECOND-SOURCE CALIBRATION VERIFICATION NC

Table B-15C

Laboratory: CAPPL, L CL

SDG: C

Client: CTidewater, Inc.L

Project: CNASA JPL SIL

Calibration: 2251019L

Laboratory ID: CSB03856-SCV1L

Sequence: SB03856L

Standard ID: C22L0308L

| ANALYTEC | EXPECTEDC (ng/mL)C | FOUNDC (ng/mL)C | % DRIFTC | QC LIMITC |
|-----------|-----------------------|--------------------|----------|-----------|
| PFBAL | 8.00L | 7.88L | -1.5L | 30.00L |
| PFPEAL | 4.00L | 3.80L | -5.1L | 30.00L |
| PFHXAL | 2.00L | 1.82L | -9.1L | 30.00L |
| PFHPAL | 2.00L | 1.92L | -4.2L | 30.00L |
| PFOAL | 2.00L | 1.84L | -7.9L | 30.00L |
| PFNAL | 2.00L | 2.02L | 1.2L | 30.00L |
| PFDAL | 2.00L | 1.72L | -14.2L | 30.00L |
| PFUnAL | 2.00L | 2.12L | 6.0L | 30.00L |
| PFDOAL | 2.00L | 2.06L | 2.9L | 30.00L |
| PFTRDAL | 2.00L | 2.07L | 3.5L | 30.00L |
| PFTEDAL | 2.00L | 1.78L | -11.1L | 30.00L |
| PFBSL | 1.77L | 1.67L | -5.6L | 30.00L |
| PFPESL | 1.88L | 1.79L | -4.6L | 30.00L |
| PFHXSL | 1.83L | 1.67L | -9.0L | 30.00L |
| PFHPSL | 1.91L | 1.76L | -7.6L | 30.00L |
| PFOSL | 1.86L | 1.62L | -13.0L | 30.00L |
| PFNSL | 1.92L | 2.09L | 8.7L | 30.00L |
| PFDSL | 1.93L | 1.89L | -2.0L | 30.00L |
| 4:2FTSL | 7.50L | 6.94L | -7.4L | 30.00L |
| 6:2FTSL | 7.60L | 7.48L | -1.6L | 30.00L |
| 8:2FTSL | 7.68L | 8.62L | 12.2L | 30.00L |
| PFOSAL | 2.00L | 1.81L | -9.7L | 30.00L |
| NMeFOSAL | 8.00L | 7.95L | -0.6L | 30.00L |
| NEtFOSAL | 8.00L | 7.36L | -8.0L | 30.00L |
| NMeFOSAAL | 2.00L | 2.53L | 26.7L | 30.00L |
| NEtFOSAAL | 2.00L | 2.09L | 4.6L | 30.00L |
| NMeFOSEL | 8.00L | 7.33L | -8.4L | 30.00L |

SECOND-SOURCE CALIBRATION VERIFICATION**Table B-15C****Laboratory:**CAPPL, L CL**SDG:**C**Client:**CTidewater, Inc.L**Project:**CNASA JPL SIL**Calibration:** 2251019L**Laboratory ID:**CSB03856-SCV1L**Sequence:** SB03856L**Standard ID:**C22L0308L

| | | | | |
|---------------|-------|-------|--------|--------|
| NEtFOSEL | 8.00L | 7.52L | -6.0L | 30.00L |
| HFPO-DAL | 4.00L | 3.45L | -13.7L | 30.00L |
| ADONAL | 3.78L | 3.63L | -4.1L | 30.00L |
| 9CL-PF3ONSL | 3.74L | 3.82L | 2.1L | 30.00L |
| 11CL-PF3OUDSL | 3.78L | 3.93L | 3.9L | 30.00L |
| 13C4-PFBAL | 8.00L | 9.34L | 16.8L | 50.00L |
| 13C5-PFPEAL | 4.00L | 4.10L | 2.4L | 50.00L |
| 13C5-PFHXL | 2.00L | 2.19L | 9.5L | 50.00L |
| 13C4-PFHPAL | 2.00L | 2.11L | 5.5L | 50.00L |
| 13C8-PFOAL | 2.00L | 2.10L | 4.8L | 50.00L |
| 13C9-PFNAL | 1.00L | 1.11L | 10.9L | 50.00L |
| 13C6-PFDAL | 1.00L | 1.18L | 17.8L | 50.00L |
| 13C7-PFUnAL | 1.00L | 1.17L | 16.8L | 50.00L |
| 13C2-PFDOAL | 1.00L | 1.16L | 16.0L | 50.00L |
| 13C2-PFTEDAL | 1.00L | 1.32L | 31.8L | 50.00L |
| 13C3-PFBSL | 2.00L | 2.23L | 11.4L | 50.00L |
| 13C3-PFHXS | 2.00L | 2.17L | 8.3L | 50.00L |
| 13C8-PFOSL | 2.00L | 2.36L | 17.8L | 50.00L |
| 13C2-4:2FTSL | 4.00L | 4.46L | 11.4L | 50.00L |
| 13C2-6:2FTSL | 4.00L | 4.07L | 1.6L | 50.00L |
| 13C2-8:2FTSL | 4.00L | 3.66L | -8.6L | 50.00L |
| 13C8-PFOSAL | 2.00L | 2.43L | 21.6L | 50.00L |
| D3-NMEFOSAL | 2.00L | 2.43L | 21.5L | 50.00L |
| D5-NETFOSAL | 2.00L | 2.61L | 30.5L | 50.00L |
| D3-NMEFOSAAL | 4.00L | 4.57L | 14.2L | 50.00L |
| D5-NETFOSAAL | 4.00L | 5.23L | 30.7L | 50.00L |
| D7-NMEFOSEL | 20.0L | 24.6L | 22.9L | 50.00L |
| D9-NETFOSL | 20.0L | 23.8L | 19.2L | 50.00L |
| 13C3-HFPO-DAL | 8.00L | 8.72L | 9.0L | 50.00L |

SECOND-SOURCE CALIBRATION VERIFICATION

Table B-15C

Laboratory: CAPPL, L CL

Client: CTidewater, Inc.L

Calibration: 2251019L

Sequence: SB03856L

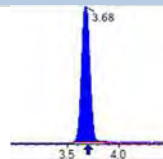
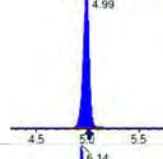
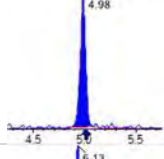
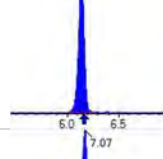
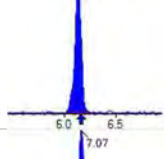
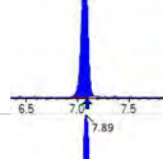
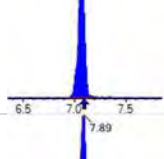
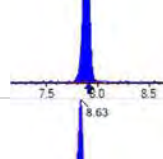
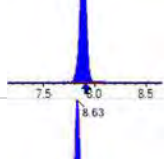
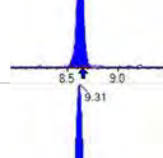
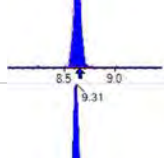
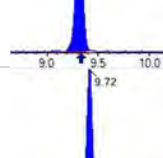
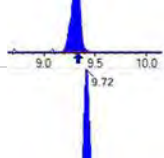
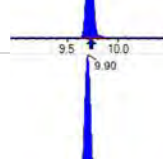
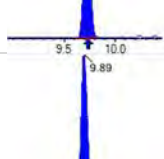
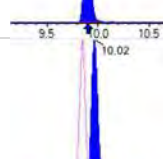
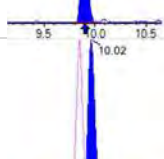
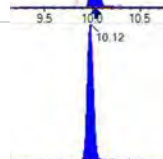
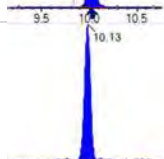
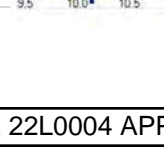
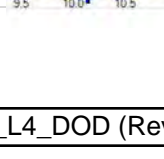
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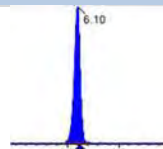
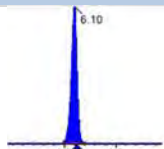
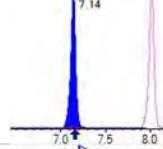
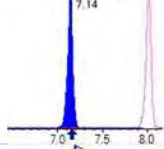
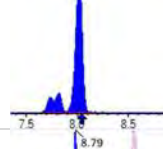
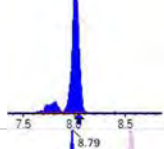
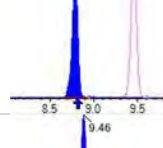
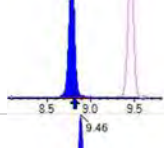
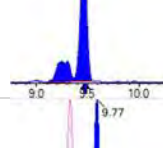
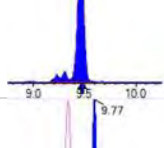
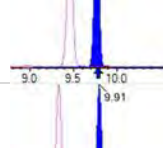
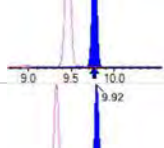
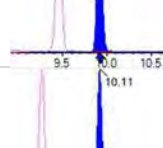
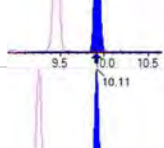
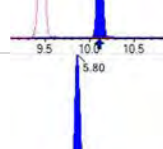
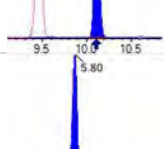
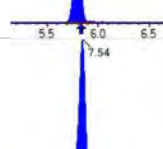
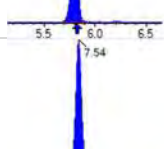
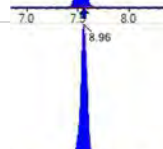
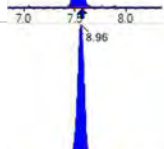

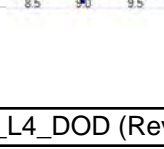
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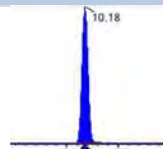
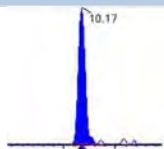
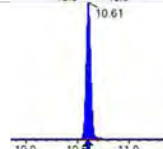
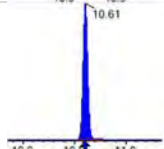
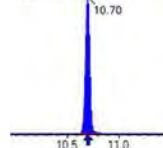
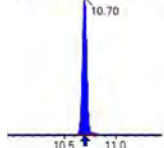
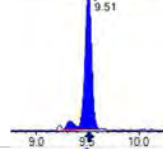
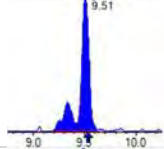
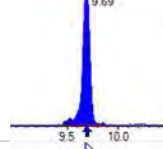
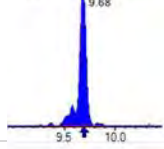
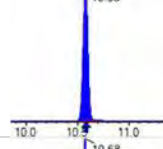
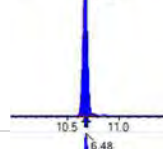
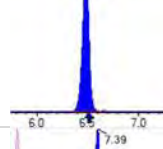
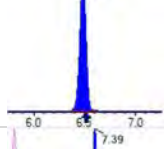
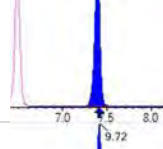
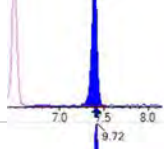
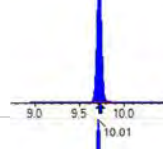
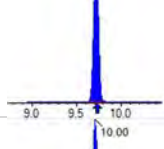
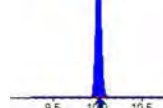
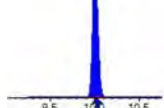
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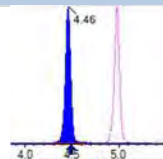
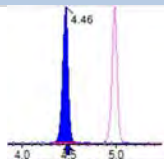
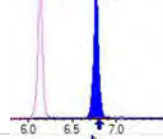
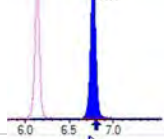
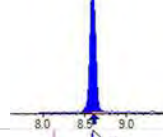
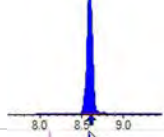
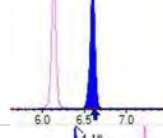
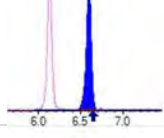
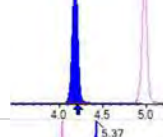
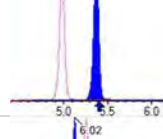
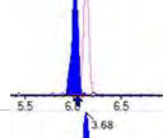
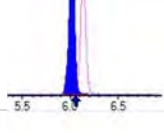
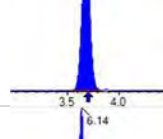
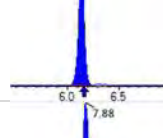
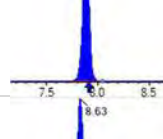
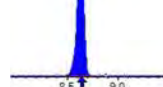
Standard ID: C22L0308L

* Values outside of QC limits

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-I[μ min], Δ RT-CV[μ min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|---------|---|---|----------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| PFBA | (212.9 / 169.0) 496947 | (3.68, 1.00) (0.00, N/A, 0.0) | 62.7 | N/A 0.0 0.0 | 7.8833 [8.0000] | 98.5% |  | | |
| PFPeA | (262.9 / 219.0) 340989 (262.9 / 69.0) 3950 | (4.99, 1.00) (0.01, N/A, 0.2) | 669.3 135.5 | 0.0116 13573.7 113.4 | 3.7961 [4.0000] | 94.9% |  |  | |
| PFHxA | (313.0 / 269.0) 279897 (313.0 / 119.0) 23319 | (6.14, 1.00) (0.00, N/A, 0.3) | 545.2 250.9 | 0.0833 84.9 84.9 | 1.8188 [2.0000] | 90.9% |  |  | |
| PFHpA | (363.0 / 319.0) 249866 (363.0 / 169.0) 77070 | (7.07, 1.00) (0.00, N/A, 0.1) | 512.8 629.7 | 0.3084 98.7 98.7 | 1.9162 [2.0000] | 95.8% |  |  | |
| PFOA | (413.0 / 369.0) 242431 (413.0 / 169.0) 80946 | (7.89, 1.00) (0.00, N/A, 0.0) | 429.7 522.0 | 0.3339 99.1 99.1 | 1.8411 [2.0000] | 92.1% |  |  | |
| PFNA | (463.0 / 419.0) 190762 (463.0 / 169.0) 40439 | (8.63, 1.00) (0.00, N/A, 0.0) | 325.2 83.7 | 0.2120 105.6 105.6 | 2.0235 [2.0000] | 101.2% |  |  | |
| PFDA | (513.0 / 469.0) 237687 (513.0 / 169.0) 26243 | (9.31, 1.00) (0.00, N/A, 0.2) | 354.4 347.3 | 0.1104 138.8 138.8 | 1.7169 [2.0000] | 85.8% |  |  | |
| PFUnA | (563.0 / 519.0) 338756 (563.0 / 169.0) 34827 | (9.72, 1.00) (0.00, N/A, 0.0) | 614.7 373.7 | 0.1028 91.8 91.8 | 2.1196 [2.0000] | 106.0% |  |  | |
| PFDoA | (613.0 / 569.0) 396052 (613.0 / 169.0) 57414 | (9.90, 1.00) (0.00, N/A, 0.4) | 459.3 243.9 | 0.1450 115.4 115.4 | 2.0590 [2.0000] | 102.9% |  |  | |
| PFTrDA | (663.0 / 619.0) 328703 (663.0 / 169.0) 72666 | (10.02, 1.01) (N/A, 0.00, 0.1) | 448.8 412.2 | 0.2211 105.8 105.8 | 2.0707 [2.0000] | 103.5% |  |  | |
| PFTeDA | (713.0 / 669.0) 282000 (713.0 / 169.0) 44360 | (10.12, 1.00) (0.00, N/A, -0.2) | 672.9 246.1 | 0.1573 69.3 69.3 | 1.7770 [2.0000] | 88.9% |  |  | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min] , R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|---------|---|---|------------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| PFBS | (298.9 / 80.0) 383094 (298.9 / 99.0) 230885 | (6.10 , 1.00) (0.00 , N/A , 0.0) | 1143.7 681.8 | 0.6027 88.6 88.6 | 1.6715 [1.7695] | 94.5% |  |  | |
| PFPeS | (349.0 / 80.0) 711562 (349.0 / 99.0) 257400 | (7.14 , 0.89) (N/A , -0.02 , -0.1) | 901.4 718.3 | 0.3617 96.9 96.9 | 1.7932 [1.8768] | 95.5% |  |  | |
| PFHxS | (399.0 / 80.0) 560373 (399.0 / 99.0) 190166 | (8.02 , 1.00) (0.00 , N/A , 0.4) | 3864.8 8095.6 | 0.3394 99.0 99.0 | 1.6658 [1.8220] | 91.4% |  |  | |
| PFHpS | (449.0 / 80.0) 521331 (449.0 / 99.0) 137216 | (8.79 , 0.93) (N/A , -0.02 , 0.1) | 550.7 339.3 | 0.2632 89.7 89.7 | 1.7642 [1.9028] | 92.7% |  |  | |
| PFOS | (499.0 / 80.0) 592867 (499.0 / 99.0) 144768 | (9.46 , 1.00) (0.00 , N/A , 0.0) | 113.1 153.6 | 0.2442 106.8 106.8 | 1.6183 [1.8550] | 87.2% |  |  | |
| PFNS | (549.0 / 80.0) 878938 (549.0 / 99.0) 243545 | (9.77 , 1.03) (N/A , 0.00 , 0.0) | 771.5 552.6 | 0.2771 111.0 111.0 | 2.0864 [1.9198] | 108.7% |  |  | |
| PFDS | (599.0 / 80.0) 983659 (599.0 / 99.0) 219204 | (9.91 , 1.05) (N/A , 0.00 , -0.1) | 917.3 498.8 | 0.2228 87.4 87.4 | 1.8923 [1.9262] | 98.2% |  |  | |
| PFDoS | (698.9 / 80.0) 527876 (698.9 / 99.0) 142206 | (10.11 , 1.07) (N/A , 0.00 , 0.0) | 688.0 492.6 | 0.2694 131.1 131.1 | 1.9455 [1.9391] | 100.3% |  |  | |
| 4:2FTS | (327.0 / 307.0) 523943 (327.0 / 81.0) 307103 | (5.80 , 1.00) (0.00 , N/A , -0.3) | 773.1 769.4 | 0.5861 117.2 117.2 | 6.9435 [7.4762] | 92.9% |  |  | |
| 6:2FTS | (427.0 / 407.0) 319439 (427.0 / 81.0) 236186 | (7.54 , 1.00) (0.00 , N/A , 0.4) | 772.8 539.7 | 0.7394 103.2 103.2 | 7.4815 [7.5923] | 98.5% |  |  | |
| 8:2FTS | (527.0 / 507.0) 281651 (527.0 / 81.0) 195401 | (8.96 , 1.00) (0.00 , N/A , 0.0) | 410.9 335.4 | 0.6938 98.6 98.6 | 8.6205 [7.6663] | 112.4% |  |  | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-I[μ min], Δ RT-CV[μ min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|--------------|---|---|--------------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| PFOSA | (498.0 / 78.0) 900097 (498.0 / 478.0) 20099 | (10.18, 1.00) (0.00, N/A, 0.2) | 629.5 164.2 | 0.0223 94.5 94.5 | 1.8061 [2.0000] | 90.3% |  |  | |
| NMeFOSA | (511.9 / 219.0) 790105 (511.9 / 169.0) 495567 | (10.61, 1.00) (0.00, N/A, 0.0) | 1198.6 965.2 | 0.6272 90.0 90.0 | 7.9490 [8.0000] | 99.4% |  |  | |
| NEIFOSA | (526.0 / 219.0) 838886 (526.0 / 169.0) 866754 | (10.70, 1.00) (0.00, N/A, 0.1) | 1089.2 756.0 | 1.0332 91.7 91.7 | 7.3594 [8.0000] | 92.0% |  |  | |
| NMeFOSAA | (570.0 / 419.0) 139191 (570.0 / 483.0) 65677 | (9.51, 1.00) (0.00, N/A, -0.1) | 131.5 225.9 | 0.4718 100.5 100.5 | 2.5335 [2.0000] | 126.7% |  |  | |
| NEIFOSAA | (584.0 / 419.0) 135998 (584.0 / 526.0) 79600 | (9.69, 1.00) (0.01, N/A, 0.2) | 447.7 1284480.7 | 0.5853 76.0 76.0 | 2.0928 [2.0000] | 104.6% |  |  | |
| NMeFOSE | (616.1 / 59.0) 226373 | (10.58, 1.00) (0.01, N/A, 0.0) | 685.9 | N/A 0.0 0.0 | 7.3307 [8.0000] | 91.6% |  | | |
| NEtFOSE | (630.0 / 59.0) 60757 | (10.68, 1.00) (0.01, N/A, 0.0) | 857.3 | N/A 0.0 0.0 | 7.5190 [8.0000] | 94.0% |  | | |
| HFPO-DA | (285.0 / 169.0) 217120 (285.0 / 185.0) 661671 | (6.48, 1.00) (0.00, N/A, 0.0) | 711.4 1261.6 | 3.0475 119.5 119.5 | 3.4537 [4.0000] | 86.3% |  |  | |
| ADONA | (377.0 / 85.0) 944805 (377.0 / 251.0) 113587 | (7.39, 1.14) (N/A, -0.02, -0.1) | 894.2 338.3 | 0.1202 95.9 95.9 | 3.6253 [3.7708] | 96.1% |  |  | |
| 9CI-Pf3ONS | (531.0 / 351.0) 2822359 (533.0 / 353.0) 926029 | (9.72, 1.50) (N/A, 0.00, 0.0) | 793.6 992.0 | 0.3281 103.6 103.6 | 3.8189 [3.7330] | 102.3% |  |  | |
| 11CI-PF3OUDS | (631.0 / 451.0) 1911812 (633.0 / 453.0) 644388 | (10.01, 1.54) (N/A, 0.00, 0.2) | 934.0 668.4 | 0.3371 115.2 115.2 | 3.9258 [3.7728] | 104.1% |  |  | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-I[μ min], Δ RT-CV[μ min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|----------------|--|---|----------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| 3:3FTCA | (241.0 / 177.0) 28936 (241.0 / 117.0) 48469 | (4.46, 0.90) (N/A, -0.03, -0.1) | 620.6 500.5 | 1.6750 0.1 101.2 | 7.5106 [8.0000] | 93.9% |  |  | IR1, |
| 5:3FTCA | (341.0 / 236.7) 214375 (341.0 / 217.0) 365909 | (6.77, 1.10) (N/A, -0.03, 0.1) | 440.6 640.7 | 1.7069 108.0 108.0 | 6.8413 [8.0000] | 85.5% |  |  | |
| 7:3FTCA | (441.0 / 317.0) 250535 (441.0 / 337.0) 198792 | (8.59, 1.40) (N/A, -0.02, 0.0) | 305.9 449.5 | 0.7935 97.6 97.6 | 7.0846 [8.0000] | 88.6% |  |  | |
| PFEESA | (315.0 / 135.0) 497564 (315.0 / 83.0) 153458 | (6.60, 1.08) (N/A, -0.03, 0.0) | 859.2 634.5 | 0.3084 109.1 109.1 | 3.1485 [3.5698] | 88.2% |  |  | |
| PFMPA | (229.0 / 85.0) 87603 | (4.18, 0.84) (N/A, -0.03, 0.0) | 885.8 | N/A 0.0 0.0 | 3.6132 [4.0000] | 90.3% |  | | |
| PFMBA | (279.0 / 85.0) 307173 | (5.37, 1.08) (N/A, -0.03, 0.0) | 995.4 | N/A 0.0 0.0 | 3.8810 [4.0000] | 97.0% |  | | |
| NFDHA | (201.0 / 85.0) 11374 (295.0 / 201.0) 84927 | (6.02, 0.98) (N/A, -0.02, 0.1) | 221.0 586.5 | 7.4668 0.9 90.6 | 3.6359 [4.0000] | 90.9% |  |  | IR1, |
| 13C3_PFBA_IIS | (216.0 / 172.0) 78497 | (3.68, N/A) (N/A, -0.03, N/A) | 917.8 | N/A | 0.8978 [1.0000] | 89.8% { 85.1% } |  | | |
| 13C2_PFHxA_IIS | (315.1 / 270.0) 131635 | (6.14, N/A) (N/A, -0.03, N/A) | 393.0 | N/A | 1.0005 [1.0000] | 100.0% { 104.6% } |  | | |
| 13C4_PFOA_IIS | (417.0 / 372.0) 120005 | (7.88, N/A) (N/A, -0.02, N/A) | 715.8 | N/A | 0.9587 [1.0000] | 95.9% { 94.3% } |  | | |
| 13C5_PFNA_IIS | (468.0 / 423.0) 92103 | (8.63, N/A) (N/A, -0.01, N/A) | 401.4 | N/A | 0.9227 [1.0000] | 92.3% { 83.8% } |  | | |

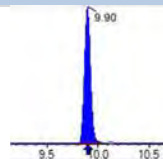
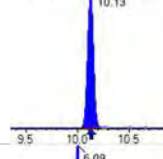
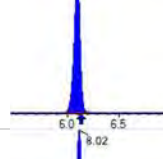
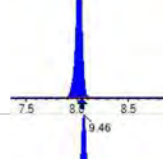
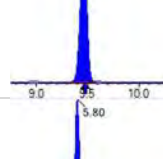
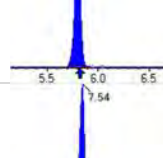
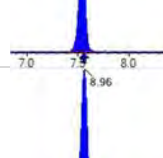
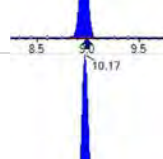
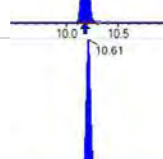
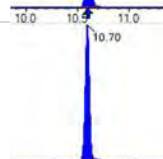
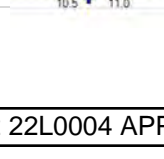


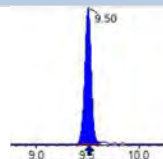
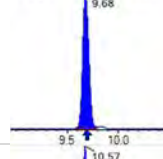
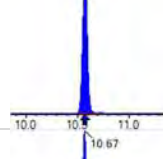
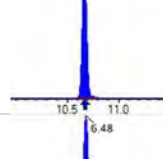
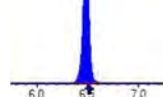
Chemist: DAG
Instrument: Saphira
Type: Sciex Q3 5500

Sample I.D.: SB03856-SCV1
DF, IV: 1, 10.0µL
Acquisition Method: 1633 2022-12-13.dam

Quant Method: 1633 - 2022-12-15A
Path: S2022-12-15A (10)
Acquired: 2022/12/15 - 14:28

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (ΔRT-I[min], ΔRT-CV[min], ΔRT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|----------------|------------------------------|--|-------|-------------------------------------|---------------------------------|---------------------------|-----------------------|----------------------------|------|
| 13C2_PFDA_IIS | (515.1 / 470.1) 94070 | (9.31, N/A) (N/A, -0.01, N/A) | 400.7 | N/A | 0.9071 [1.0000] | 90.7% { 95.7% } | | | |
| 18O2_PFHxS_IIS | (403.0 / 83.9) 230548 | (8.02, N/A) (N/A, -0.02, N/A) | 724.1 | N/A | 0.9745 [1.0000] | 97.4% { 91.2% } | | | |
| 13C4_PFOS_IIS | (502.8 / 79.9) 172200 | (9.46, N/A) (N/A, -0.01, N/A) | 423.7 | N/A | 0.8583 [1.0000] | 85.8% { 78.0% } | | | |
| 13C4_PFBA_EIS | (217.0 / 172.0) 759298 | (3.68, N/A) (N/A, -0.03, N/A) | 962.5 | N/A | 9.3430 [8.0000] | 116.8% { 104.7% } | | | |
| 13C5_PFPeA_EIS | (267.9 / 223.0) 396871 | (4.98, N/A) (N/A, -0.03, N/A) | 925.9 | N/A | 4.0952 [4.0000] | 102.4% { 105.2% } | | | |
| 13C5_PFHxA_EIS | (318.0 / 273.0) 339237 | (6.13, N/A) (N/A, -0.03, N/A) | 788.2 | N/A | 2.1892 [2.0000] | 109.5% { 111.9% } | | | |
| 13C4_PFHpA_EIS | (367.0 / 322.0) 288817 | (7.07, N/A) (N/A, -0.03, N/A) | 717.3 | N/A | 2.1096 [2.0000] | 105.5% { 105.4% } | | | |
| 13C8_PFOA_EIS | (421.0 / 376.0) 277862 | (7.88, N/A) (N/A, -0.02, N/A) | 461.2 | N/A | 2.0954 [2.0000] | 104.8% { 109.7% } | | | |
| 13C9_PFNA_EIS | (472.0 / 427.0) 111568 | (8.63, N/A) (N/A, -0.02, N/A) | 379.1 | N/A | 1.1090 [1.0000] | 110.9% { 106.7% } | | | |
| 13C6_PFDA_EIS | (519.0 / 474.0) 150163 | (9.31, N/A) (N/A, -0.02, N/A) | 453.7 | N/A | 1.1780 [1.0000] | 117.8% { 105.3% } | | | |
| 13C7_PFUnA_EIS | (570.0 / 525.0) 214447 | (9.72, N/A) (N/A, 0.00, N/A) | 313.2 | N/A | 1.1684 [1.0000] | 116.8% { 114.6% } | | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|-----------------|------------------------------|--|--------|-------------------------------------|---------------------------------|---------------------------|---|----------------------------|------|
| 13C2_PFDa_EIS | (615.0 / 570.0) 240138 | (9.90, N/A) (N/A, 0.00, N/A) | 469.9 | N/A | 1.1602 [1.0000] | 116.0% { 111.3% } |  | | |
| 13C2_PFTeDA_EIS | (715.0 / 670.0) 165812 | (10.13, N/A) (N/A, 0.00, N/A) | 438.8 | N/A | 1.3181 [1.0000] | 131.8% { 137.1% } |  | | |
| 13C3_PFBs_EIS | (302.0 / 80.0) 839167 | (6.09, N/A) (N/A, -0.03, N/A) | 803.0 | N/A | 2.2287 [2.0000] | 111.4% { 110.5% } |  | | |
| 13C3_PFHxS_EIS | (402.0 / 80.0) 423038 | (8.02, N/A) (N/A, -0.02, N/A) | 945.7 | N/A | 2.1664 [2.0000] | 108.3% { 109.8% } |  | | |
| 13C8_PFOS_EIS | (507.0 / 80.0) 666640 | (9.46, N/A) (N/A, -0.01, N/A) | 385.6 | N/A | 2.3567 [2.0000] | 117.8% { 99.8% } |  | | |
| 13C2_4:2FTS_EIS | (329.0 / 81.0) 94644 | (5.80, N/A) (N/A, -0.03, N/A) | 613.8 | N/A | 4.4577 [4.0000] | 111.4% { 107.3% } |  | | |
| 13C2_6:2FTS_EIS | (429.0 / 81.0) 110613 | (7.54, N/A) (N/A, -0.02, N/A) | 792.5 | N/A | 4.0653 [4.0000] | 101.6% { 103.5% } |  | | |
| 13C2_8:2FTS_EIS | (529.0 / 81.0) 89162 | (8.96, N/A) (N/A, -0.02, N/A) | 319.2 | N/A | 3.6552 [4.0000] | 91.4% { 94.4% } |  | | |
| 13C8_PFOsa_EIS | (506.0 / 78.0) 1001427 | (10.17, N/A) (N/A, 0.00, N/A) | 701.0 | N/A | 2.4326 [2.0000] | 121.6% { 102.9% } |  | | |
| D3_NMeFOSA_EIS | (515.0 / 169.0) 249162 | (10.61, N/A) (N/A, 0.00, N/A) | 1282.0 | N/A | 2.4295 [2.0000] | 121.5% { 103.8% } |  | | |
| D5_NEiFOSA_EIS | (531.1 / 169.0) 250001 | (10.70, N/A) (N/A, 0.00, N/A) | 1064.9 | N/A | 2.6105 [2.0000] | 130.5% { 108.7% } |  | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-I[μ min], Δ RT-CV[μ min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|-----------------|------------------------------|---|-------|-------------------------------------|---------------------------------|---------------------------|--|----------------------------|------|
| D3_MeFOSAA_EIS | (573.0 / 419.0) 303229 | (9.50 , N/A) (N/A , -0.01 , N/A) | 346.8 | N/A | 4.5699 [4.0000] | 114.2% { 106.4% } |  | | |
| D5_EtFOSAA_EIS | (589.0 / 419.0) 288361 | (9.68 , N/A) (N/A , -0.01 , N/A) | 414.5 | N/A | 5.2290 [4.0000] | 130.7% { 112.6% } |  | | |
| D7_NMeFOSE_EIS | (623.2 / 58.9) 485026 | (10.57 , N/A) (N/A , 0.00 , N/A) | 905.0 | N/A | 24.5859 [20.0000] | 122.9% { 96.8% } |  | | |
| D9_NEtFOSE_EIS | (639.2 / 58.9) 253167 | (10.67 , N/A) (N/A , 0.00 , N/A) | 990.4 | N/A | 23.8312 [20.0000] | 119.2% { 95.6% } |  | | |
| 13C3_HFPODA_EIS | (287.0 / 169.0) 823081 | (6.48 , N/A) (N/A , -0.03 , N/A) | 981.0 | N/A | 8.7238 [8.0000] | 109.0% { 110.7% } |  | | |

SECOND-SOURCE CALIBRATION VERIFICATION NC

Table B-15C

Laboratory: CAPPL, L CL

SDG: C

Client: CTidewater, Inc.L

Project: CNASA JPL SIL

Calibration: 2253011L

Laboratory ID: CSB04012-SCV1L

Sequence: SB04012L

Standard ID: C22L0452L

| ANALYTEC | EXPECTEDC (ng/mL)C | FOUNDC (ng/mL)C | % DRIFTC | QC LIMITC |
|-----------|-----------------------|--------------------|----------|-----------|
| PFBAL | 8.00L | 8.01L | 0.09L | 30.00L |
| PFPEAL | 4.00L | 4.07L | 1.8L | 30.00L |
| PFHXAL | 2.00L | 1.87L | -6.6L | 30.00L |
| PFHPAL | 2.00L | 1.88L | -5.8L | 30.00L |
| PFOAL | 2.00L | 2.08L | 3.9L | 30.00L |
| PFNAL | 2.00L | 2.21L | 10.7L | 30.00L |
| PFDAL | 2.00L | 2.35L | 17.5L | 30.00L |
| PFUnAL | 2.00L | 1.90L | -5.0L | 30.00L |
| PFDOAL | 2.00L | 2.04L | 2.0L | 30.00L |
| PFTRDAL | 2.00L | 2.51L | 25.4L | 30.00L |
| PFTE DAL | 2.00L | 1.93L | -3.7L | 30.00L |
| PFBSL | 1.77L | 1.66L | -6.2L | 30.00L |
| PFPE SL | 1.88L | 2.02L | 7.4L | 30.00L |
| PFHXSL | 1.83L | 1.85L | 1.3L | 30.00L |
| PFHPSL | 1.91L | 1.86L | -2.8L | 30.00L |
| PFOSL | 1.86L | 1.94L | 4.3L | 30.00L |
| PFNSL | 1.92L | 2.01L | 4.8L | 30.00L |
| PFDSL | 1.93L | 1.84L | -4.8L | 30.00L |
| 4:2FTSL | 7.50L | 7.21L | -3.9L | 30.00L |
| 6:2FTSL | 7.60L | 8.08L | 6.3L | 30.00L |
| 8:2FTSL | 7.68L | 7.95L | 3.5L | 30.00L |
| PFOSAL | 2.00L | 1.90L | -5.0L | 30.00L |
| NMeFOSAL | 8.00L | 7.67L | -4.2L | 30.00L |
| NEtFOSAL | 8.00L | 7.78L | -2.7L | 30.00L |
| NMeFOSAAL | 2.00L | 2.26L | 12.8L | 30.00L |
| NEtFOSAAL | 2.00L | 2.01L | 0.6L | 30.00L |
| NMeFOSEL | 8.00L | 8.06L | 0.7L | 30.00L |

SECOND-SOURCE CALIBRATION VERIFICATION**Table B-15C****Laboratory:**CAPPL, L CL**SDG:**C**Client:**CTidewater, Inc.L**Project:**CNASA JPL SIL**Calibration:** 2253011L**Laboratory ID:**C SB04012-SCV1L**Sequence:** SB04012L**Standard ID:**C 22L0452L

| | | | | |
|---------------|-------|--------|--------|--------|
| NEtFOSEL | 8.00L | 8.23L | 2.9L | 30.00L |
| HFPO-DAL | 4.00L | 3.82L | -4.4L | 30.00L |
| ADONAL | 3.78L | 3.88L | 2.6L | 30.00L |
| 9CL-PF3ONSL | 3.74L | 3.57L | -4.6L | 30.00L |
| 11CL-PF3OUDSL | 3.78L | 4.21L | 11.3L | 30.00L |
| 13C4-PFBAL | 8.00L | 7.92L | -1.1L | 50.00L |
| 13C5-PFPEAL | 4.00L | 3.86L | -3.4L | 50.00L |
| 13C5-PFHXL | 2.00L | 2.00L | -0.02L | 50.00L |
| 13C4-PFHPAL | 2.00L | 1.96L | -1.9L | 50.00L |
| 13C8-PFOAL | 2.00L | 1.95L | -2.4L | 50.00L |
| 13C9-PFNAL | 1.00L | 1.08L | 8.1L | 50.00L |
| 13C6-PFDAL | 1.00L | 0.870L | -13.0L | 50.00L |
| 13C7-PFUnAL | 1.00L | 1.05L | 5.0L | 50.00L |
| 13C2-PFDOAL | 1.00L | 0.932L | -6.8L | 50.00L |
| 13C2-PFTEDAL | 1.00L | 1.06L | 6.2L | 50.00L |
| 13C3-PFBSL | 2.00L | 2.04L | 2.1L | 50.00L |
| 13C3-PFHXS | 2.00L | 1.97L | -1.6L | 50.00L |
| 13C8-PFOSL | 2.00L | 1.93L | -3.4L | 50.00L |
| 13C2-4:2FTSL | 4.00L | 4.63L | 15.8L | 50.00L |
| 13C2-6:2FTSL | 4.00L | 4.21L | 5.2L | 50.00L |
| 13C2-8:2FTSL | 4.00L | 4.01L | 0.2L | 50.00L |
| 13C8-PFOSAL | 2.00L | 2.08L | 4.0L | 50.00L |
| D3-NMEFOSAL | 2.00L | 2.02L | 0.9L | 50.00L |
| D5-NETFOSAL | 2.00L | 2.16L | 8.0L | 50.00L |
| D3-NMEFOSAAL | 4.00L | 3.59L | -10.3L | 50.00L |
| D5-NETFOSAAL | 4.00L | 4.12L | 2.9L | 50.00L |
| D7-NMEFOSEL | 20.0L | 20.7L | 3.6L | 50.00L |
| D9-NETFOSSEL | 20.0L | 22.8L | 13.8L | 50.00L |
| 13C3-HFPO-DAL | 8.00L | 7.80L | -2.6L | 50.00L |

SECOND-SOURCE CALIBRATION VERIFICATION

Table B-15C

Laboratory: CAPPL, L CL

Client: CTidewater, Inc.L

Calibration: 2253011L

Sequence: SB04012L

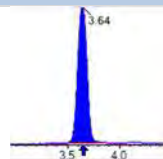
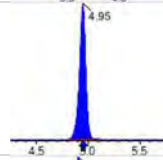
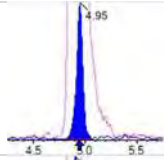
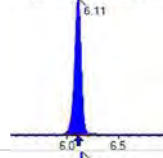
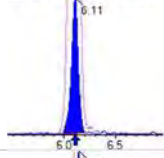
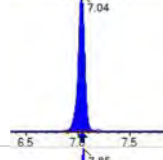
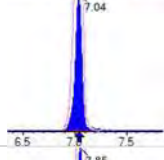
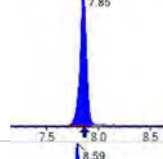
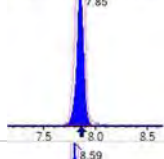
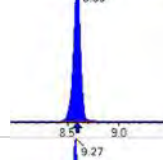
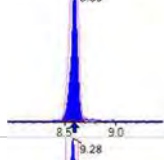
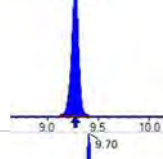
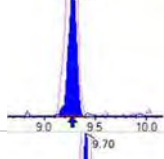
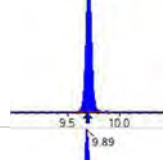
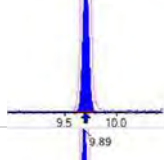
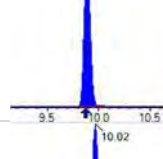
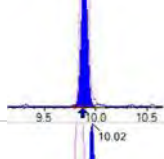
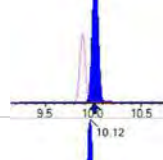
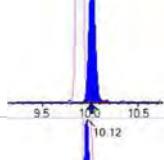
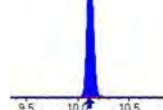
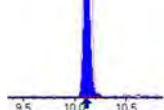
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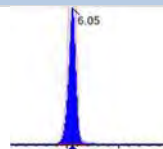
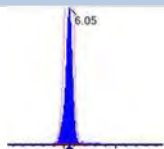
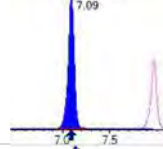
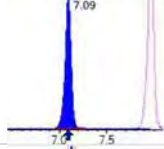
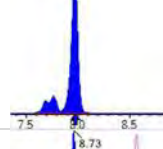
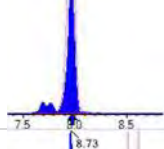
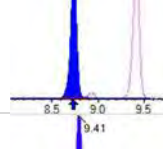
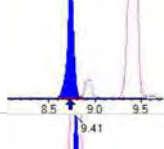
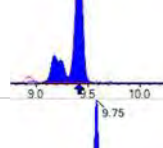
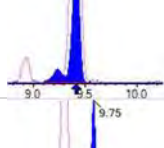
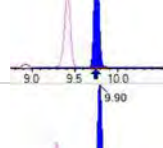
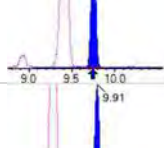
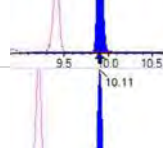
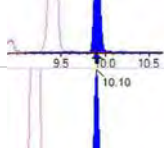
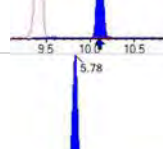
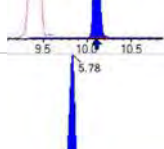
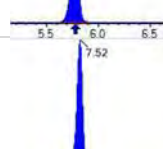
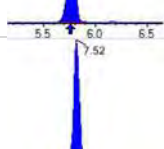
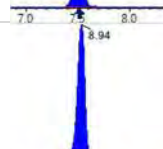
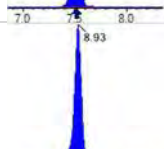

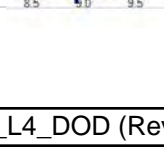
Project: CNASA JPL SIL

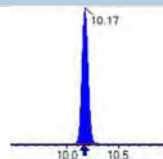
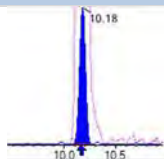
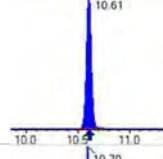
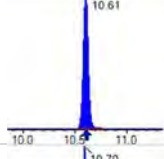
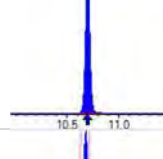
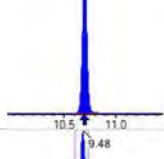
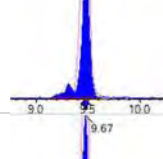
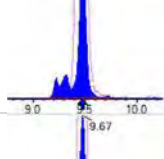
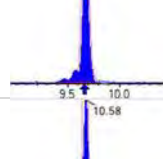
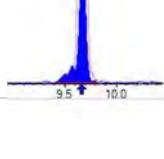
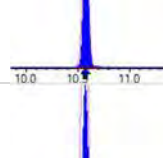
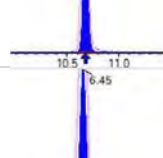
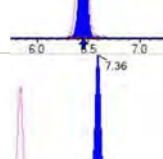
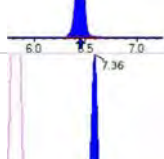
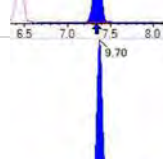
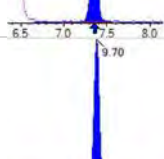
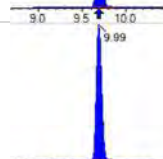
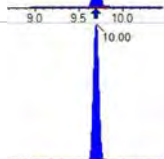
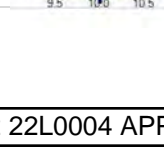
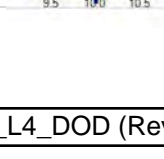
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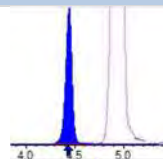
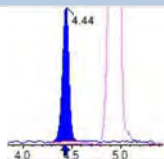
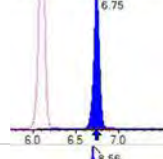
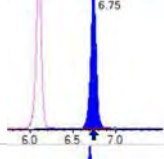
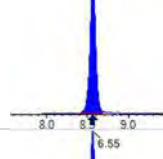
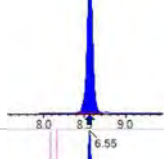
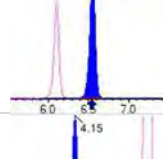
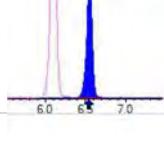
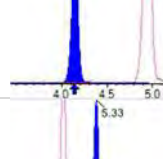
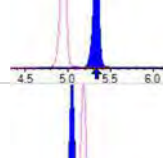
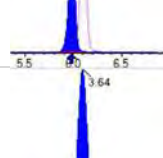
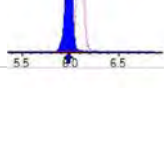
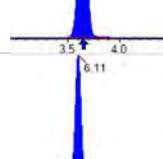
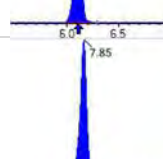
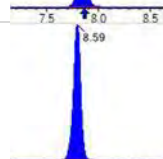
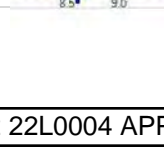
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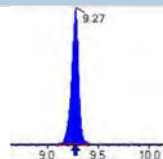
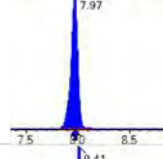
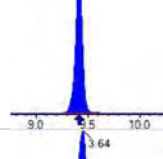
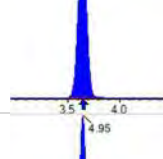
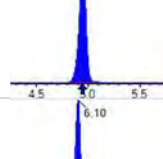
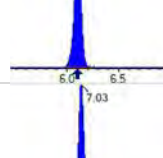
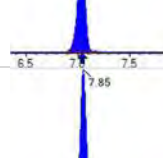
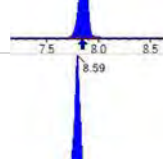
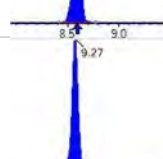
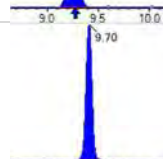
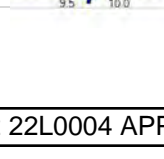
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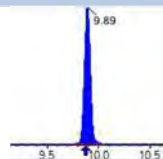
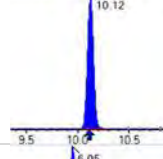
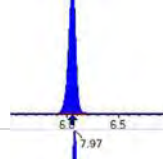
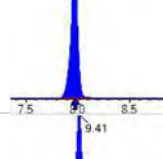
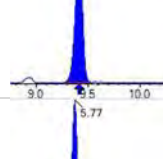
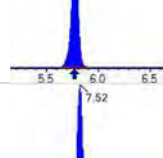
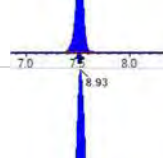
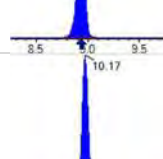
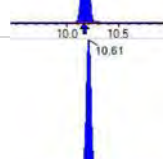
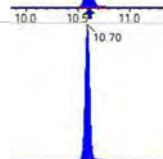
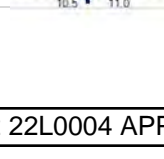
| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|---------|---|--|----------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| PFBA | (213.0 / 169.0) 1812704 | (3.64, 1.00) (0.00, N/A, 0.0) | 391.2 | N/A 0.0 0.0 | 8.0069 [8.0000] | 100.1% |  | | |
| PFPeA | (263.0 / 219.0) 1169044 (263.0 / 69.0) 13046 | (4.95, 1.00) (0.00, N/A, 0.0) | 594.7 157.9 | 0.0112 108.0 108.0 | 4.0729 [4.0000] | 101.8% |  |  | |
| PFHxA | (313.0 / 269.0) 787341 (313.0 / 119.0) 74425 | (6.11, 1.00) (0.00, N/A, 0.1) | 482.3 240.2 | 0.0945 97.1 97.1 | 1.8689 [2.0000] | 93.4% |  |  | |
| PFHpA | (363.0 / 319.0) 714377 (363.0 / 169.0) 194873 | (7.04, 1.00) (0.00, N/A, -0.1) | 618.0 374.1 | 0.2728 95.3 95.3 | 1.8844 [2.0000] | 94.2% |  |  | |
| PFOA | (413.0 / 369.0) 851624 (413.0 / 169.0) 244443 | (7.85, 1.00) (0.00, N/A, 0.0) | 469.1 630.1 | 0.2870 94.5 94.5 | 2.0772 [2.0000] | 103.9% |  |  | |
| PFNA | (463.0 / 419.0) 650559 (463.0 / 169.0) 130108 | (8.59, 1.00) (0.00, N/A, -0.3) | 498.9 311.7 | 0.2000 94.5 94.5 | 2.2149 [2.0000] | 110.7% |  |  | |
| PFDA | (513.0 / 469.0) 872574 (513.0 / 169.0) 79380 | (9.27, 1.00) (0.00, N/A, -0.3) | 541.1 213.2 | 0.0910 98.7 98.7 | 2.3506 [2.0000] | 117.5% |  |  | |
| PFUnA | (563.0 / 519.0) 962768 (563.0 / 169.0) 89172 | (9.70, 1.00) (0.00, N/A, -0.1) | 472.9 231.3 | 0.0926 120.4 120.4 | 1.8998 [2.0000] | 95.0% |  |  | |
| PFDoA | (613.0 / 569.0) 962090 (613.0 / 169.0) 154959 | (9.89, 1.00) (0.00, N/A, -0.1) | 564.0 282.3 | 0.1611 119.6 119.6 | 2.0401 [2.0000] | 102.0% |  |  | |
| PFTrDA | (663.0 / 619.0) 1031920 (663.0 / 169.0) 176405 | (10.02, 1.01) (N/A, 0.01, 0.2) | 672.7 383.9 | 0.1709 78.5 78.5 | 2.5078 [2.0000] | 125.4% |  |  | |
| PFTeDA | (713.0 / 669.0) 692460 (713.0 / 169.0) 120925 | (10.12, 1.00) (0.00, N/A, 0.1) | 923.6 337.9 | 0.1746 88.5 88.5 | 1.9265 [2.0000] | 96.3% |  |  | |

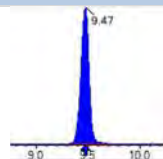
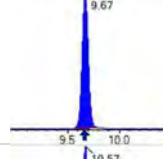
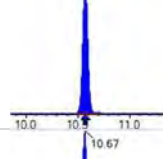
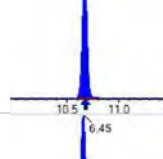
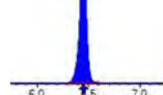
| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|---------|---|--|----------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| PFBS | (299.0 / 80.0) 1002005 (299.0 / 99.0) 637150 | (6.05, 1.00) (0.00, N/A, 0.1) | 581.3 569.0 | 0.6359 96.8 96.8 | 1.6599 [1.7695] | 93.8% |  |  | |
| PFPeS | (349.0 / 80.0) 1961555 (349.0 / 99.0) 687372 | (7.09, 0.89) (N/A, 0.00, 0.1) | 655.3 532.0 | 0.3504 94.5 94.5 | 2.0194 [1.8768] | 107.6% |  |  | |
| PFHxS | (399.0 / 80.0) 1585787 (399.0 / 99.0) 518597 | (7.97, 1.00) (0.00, N/A, 0.2) | 682.0 695.1 | 0.3270 100.3 100.3 | 1.8536 [1.8220] | 101.7% |  |  | |
| PFHpS | (449.0 / 80.0) 1485197 (449.0 / 99.0) 385968 | (8.73, 0.93) (N/A, 0.00, 0.0) | 611.4 492.4 | 0.2599 99.7 99.7 | 1.8556 [1.9028] | 97.5% |  |  | |
| PFOS | (499.0 / 80.0) 1787547 (499.0 / 99.0) 367051 | (9.41, 1.00) (0.00, N/A, 0.0) | 353.9 899.2 | 0.2053 98.7 98.7 | 1.9405 [1.8550] | 104.6% |  |  | |
| PFNS | (549.0 / 80.0) 2100113 (549.0 / 99.0) 495852 | (9.75, 1.04) (N/A, 0.00, -0.1) | 741.7 664.9 | 0.2361 99.2 99.2 | 2.0113 [1.9198] | 104.8% |  |  | |
| PFDS | (599.0 / 80.0) 2319531 (599.0 / 99.0) 569294 | (9.90, 1.05) (N/A, 0.00, -0.2) | 956.1 419.5 | 0.2454 93.3 93.3 | 1.8372 [1.9262] | 95.4% |  |  | |
| PFDoS | (699.0 / 80.0) 1192145 (699.0 / 99.0) 260064 | (10.11, 1.07) (N/A, 0.00, 0.2) | 734.6 667.9 | 0.2181 111.3 111.3 | 2.0051 [1.9391] | 103.4% |  |  | |
| 4:2FTS | (327.0 / 307.0) 2970727 (327.0 / 81.0) 1848444 | (5.78, 1.00) (0.00, N/A, -0.1) | 645.7 451.7 | 0.6222 86.9 86.9 | 7.2068 [7.4762] | 96.4% |  |  | |
| 6:2FTS | (427.0 / 407.0) 1890650 (427.0 / 81.0) 1294916 | (7.52, 1.00) (0.00, N/A, 0.1) | 589.9 697.9 | 0.6849 92.7 92.7 | 8.0805 [7.5923] | 106.4% |  |  | |
| 8:2FTS | (527.0 / 507.0) 2167513 (527.0 / 81.0) 1423596 | (8.94, 1.00) (0.01, N/A, 0.2) | 490.9 501.5 | 0.6568 107.4 107.4 | 7.9456 [7.6663] | 103.6% |  |  | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|--------------|--|--|----------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| PFOSA | (498.0 / 78.0) 2192130 (498.0 / 478.0) 48154 | (10.17, 1.00) (0.00, N/A, -0.4) | 961.9 377.7 | 0.0220 105.2 105.2 | 1.9007 [2.0000] | 95.0% |  |  | |
| NMeFOSA | (512.0 / 219.0) 1358781 (512.0 / 169.0) 965891 | (10.61, 1.00) (0.00, N/A, 0.0) | 763.7 758.9 | 0.7109 102.7 102.7 | 7.6672 [8.0000] | 95.8% |  |  | |
| NEIFOSA | (526.0 / 219.0) 1381224 (526.0 / 169.0) 1498077 | (10.70, 1.00) (0.00, N/A, 0.0) | 928.8 974.9 | 1.0846 109.3 109.3 | 7.7848 [8.0000] | 97.3% |  |  | |
| NMeFOSAA | (570.0 / 419.0) 472999 (570.0 / 483.0) 230828 | (9.48, 1.00) (0.01, N/A, 0.0) | 382.8 341.9 | 0.4880 87.7 87.7 | 2.2551 [2.0000] | 112.8% |  |  | |
| NEIFOSAA | (584.0 / 419.0) 418136 (584.0 / 526.0) 247455 | (9.67, 1.00) (0.00, N/A, -0.1) | 527.3 452.0 | 0.5918 99.8 99.8 | 2.0115 [2.0000] | 100.6% |  |  | |
| NMeFOSE | (616.0 / 59.0) 402479 | (10.58, 1.00) (0.01, N/A, 0.0) | 1037.5 | N/A 0.0 0.0 | 8.0564 [8.0000] | 100.7% |  | | |
| NEtFOSE | (630.0 / 59.0) 91764 | (10.68, 1.00) (0.01, N/A, 0.0) | 795.2 | N/A 0.0 0.0 | 8.2323 [8.0000] | 102.9% |  | | |
| HFPO-DA | (285.0 / 169.0) 614283 (285.0 / 185.0) 1521837 | (6.45, 1.00) (0.00, N/A, 0.0) | 752.7 701.6 | 2.4774 96.6 96.6 | 3.8231 [4.0000] | 95.6% |  |  | |
| ADONA | (377.0 / 85.0) 2483591 (377.0 / 251.0) 295254 | (7.36, 1.14) (N/A, 0.01, 0.0) | 601.1 399.9 | 0.1189 96.6 96.6 | 3.8788 [3.7708] | 102.9% |  |  | |
| 9CI-Pf3ONS | (531.0 / 351.0) 6241237 (533.0 / 353.0) 2228204 | (9.70, 1.50) (N/A, 0.01, -0.1) | 827.8 833.2 | 0.3570 113.0 113.0 | 3.5690 [3.7330] | 95.6% |  |  | |
| 11CI-PF3OUDS | (631.0 / 451.0) 4165355 (633.0 / 453.0) 1150900 | (9.99, 1.55) (N/A, 0.00, -0.1) | 793.9 772.4 | 0.2763 89.2 89.2 | 4.2085 [3.7728] | 111.5% |  |  | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|----------------|--|--|----------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| 3:3FTCA | (241.0 / 177.0) 77196 (241.0 / 117.0) 96034 | (4.44, 0.90) (N/A, 0.00, 0.1) | 547.8 234.6 | 1.2440 94.6 94.6 | 7.8249 [8.0000] | 97.8% |  |  | |
| 5:3FTCA | (341.0 / 236.7) 459000 (341.0 / 217.0) 743389 | (6.75, 1.11) (N/A, 0.00, 0.1) | 443.3 535.9 | 1.6196 90.2 90.2 | 7.1181 [8.0000] | 89.0% |  |  | |
| 7:3FTCA | (441.0 / 317.0) 609788 (441.0 / 337.0) 499309 | (8.56, 1.40) (N/A, 0.00, 0.0) | 344.2 487.3 | 0.8188 99.3 99.3 | 7.2594 [8.0000] | 90.7% |  |  | |
| PFEESA | (315.0 / 135.0) 1224330 (315.0 / 83.0) 368974 | (6.55, 1.07) (N/A, 0.00, 0.0) | 653.7 490.1 | 0.3014 98.8 98.8 | 3.1652 [3.5698] | 88.7% |  |  | |
| PFMPA | (229.0 / 85.0) 344826 | (4.15, 0.84) (N/A, 0.01, 0.0) | 764.4 | N/A 0.0 0.0 | 4.1136 [4.0000] | 102.8% |  | | |
| PFMBA | (279.0 / 85.0) 924738 | (5.33, 1.08) (N/A, 0.00, 0.0) | 717.7 | N/A 0.0 0.0 | 3.8684 [4.0000] | 96.7% |  | | |
| NFDHA | (295.0 / 201.0) 794415 (295.0 / 85.0) 659847 | (5.99, 0.98) (N/A, 0.00, 0.0) | 633.9 610.6 | 0.8306 96.7 96.7 | 3.8417 [4.0000] | 96.0% |  |  | |
| 13C3_PFBA_IIS | (216.0 / 172.0) 243908 | (3.64, N/A) (N/A, 0.00, N/A) | 667.8 | N/A | 1.1326 [1.0000] | 113.3% { 106.5% } |  | | |
| 13C2_PFHxA_IIS | (315.0 / 270.0) 414950 | (6.11, N/A) (N/A, 0.00, N/A) | 597.2 | N/A | 1.0931 [1.0000] | 109.3% { 106.7% } |  | | |
| 13C4_PFOA_IIS | (417.0 / 372.0) 385565 | (7.85, N/A) (N/A, 0.01, N/A) | 434.4 | N/A | 1.0681 [1.0000] | 106.8% { 102.7% } |  | | |
| 13C5_PFNA_IIS | (468.0 / 423.0) 270918 | (8.59, N/A) (N/A, 0.00, N/A) | 468.1 | N/A | 0.9213 [1.0000] | 92.1% { 88.6% } |  | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|----------------|------------------------------|--|-------|-------------------------------------|---------------------------------|---------------------------|---|----------------------------|------|
| 13C2_PFDA_IIS | (515.0 / 470.1) 356075 | (9.27, N/A) (N/A, 0.01, N/A) | 403.4 | N/A | 1.0453 [1.0000] | 104.5% { 97.6% } |  | | |
| 18O2_PFHxS_IIS | (403.0 / 83.9) 612256 | (7.97, N/A) (N/A, 0.00, N/A) | 625.9 | N/A | 1.0118 [1.0000] | 101.2% { 96.6% } |  | | |
| 13C4_PFOS_IIS | (503.0 / 79.9) 679731 | (9.41, N/A) (N/A, 0.00, N/A) | 429.5 | N/A | 1.0542 [1.0000] | 105.4% { 109.6% } |  | | |
| 13C4_PFBA_EIS | (217.0 / 172.0) 1938437 | (3.64, N/A) (N/A, 0.00, N/A) | 648.1 | N/A | 7.9159 [8.0000] | 98.9% { 104.6% } |  | | |
| 13C5_PFPeA_EIS | (268.0 / 223.0) 1209124 | (4.95, N/A) (N/A, 0.00, N/A) | 532.9 | N/A | 3.8623 [4.0000] | 96.6% { 102.2% } |  | | |
| 13C5_PFHxA_EIS | (318.0 / 273.0) 849099 | (6.10, N/A) (N/A, 0.00, N/A) | 604.6 | N/A | 1.9997 [2.0000] | 100.0% { 113.5% } |  | | |
| 13C4_PFHpA_EIS | (367.0 / 322.0) 723541 | (7.03, N/A) (N/A, 0.00, N/A) | 540.0 | N/A | 1.9615 [2.0000] | 98.1% { 105.4% } |  | | |
| 13C8_PFOA_EIS | (421.0 / 376.0) 769737 | (7.85, N/A) (N/A, 0.00, N/A) | 544.9 | N/A | 1.9512 [2.0000] | 97.6% { 100.5% } |  | | |
| 13C9_PFNA_EIS | (472.0 / 427.0) 304324 | (8.59, N/A) (N/A, 0.01, N/A) | 464.8 | N/A | 1.0811 [1.0000] | 108.1% { 99.4% } |  | | |
| 13C6_PFDA_EIS | (519.0 / 474.0) 374331 | (9.27, N/A) (N/A, 0.00, N/A) | 319.1 | N/A | 0.8703 [1.0000] | 87.0% { 86.7% } |  | | |
| 13C7_PFUnA_EIS | (570.0 / 525.0) 555294 | (9.70, N/A) (N/A, 0.01, N/A) | 699.7 | N/A | 1.0498 [1.0000] | 105.0% { 98.9% } |  | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|-----------------|------------------------------|--|--------|-------------------------------------|---------------------------------|---------------------------|---|----------------------------|------|
| 13C2_PFDa_EIS | (615.0 / 570.0) 492077 | (9.89, N/A) (N/A, 0.01, N/A) | 428.5 | N/A | 0.9322 [1.0000] | 93.2% { 85.1% } |  | | |
| 13C2_PFTeDA_EIS | (715.0 / 670.0) 355337 | (10.12, N/A) (N/A, 0.00, N/A) | 955.1 | N/A | 1.0624 [1.0000] | 106.2% { 106.3% } |  | | |
| 13C3_PFBs_EIS | (302.0 / 80.0) 1892500 | (6.05, N/A) (N/A, 0.00, N/A) | 627.8 | N/A | 2.0424 [2.0000] | 102.1% { 103.4% } |  | | |
| 13C3_PFHxS_EIS | (402.0 / 80.0) 987867 | (7.97, N/A) (N/A, 0.01, N/A) | 687.2 | N/A | 1.9689 [2.0000] | 98.4% { 99.4% } |  | | |
| 13C8_PFOS_EIS | (507.0 / 80.0) 1582127 | (9.41, N/A) (N/A, 0.01, N/A) | 219.2 | N/A | 1.9314 [2.0000] | 96.6% { 96.4% } |  | | |
| 13C2_4:2FTS_EIS | (329.0 / 81.0) 484892 | (5.77, N/A) (N/A, 0.00, N/A) | 607.3 | N/A | 4.6318 [4.0000] | 115.8% { 111.8% } |  | | |
| 13C2_6:2FTS_EIS | (429.0 / 81.0) 582929 | (7.52, N/A) (N/A, 0.01, N/A) | 760.1 | N/A | 4.2084 [4.0000] | 105.2% { 101.2% } |  | | |
| 13C2_8:2FTS_EIS | (529.0 / 81.0) 699530 | (8.93, N/A) (N/A, 0.00, N/A) | 486.2 | N/A | 4.0063 [4.0000] | 100.2% { 110.1% } |  | | |
| 13C8_PFOsa_EIS | (506.0 / 78.0) 1988959 | (10.17, N/A) (N/A, 0.00, N/A) | 934.3 | N/A | 2.0803 [2.0000] | 104.0% { 110.6% } |  | | |
| D3_NMeFOSA_EIS | (515.0 / 169.0) 364872 | (10.61, N/A) (N/A, 0.00, N/A) | 807.9 | N/A | 2.0181 [2.0000] | 100.9% { 98.8% } |  | | |
| D5_NEtFOSA_EIS | (531.0 / 169.0) 357751 | (10.70, N/A) (N/A, 0.00, N/A) | 1157.6 | N/A | 2.1603 [2.0000] | 108.0% { 105.0% } |  | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|-----------------|------------------------------|--|--------|-------------------------------------|---------------------------------|---------------------------|--|----------------------------|------|
| D3_MeFOSAA_EIS | (573.0 / 419.0) 924537 | (9.47, N/A) (N/A, 0.01, N/A) | 430.7 | N/A | 3.5872 [4.0000] | 89.7% { 90.8% } |  | | |
| D5_EtFOSAA_EIS | (589.0 / 419.0) 843451 | (9.67, N/A) (N/A, 0.01, N/A) | 117.5 | N/A | 4.1160 [4.0000] | 102.9% { 116.5% } |  | | |
| D7_NMeFOSE_EIS | (623.0 / 58.9) 818365 | (10.57, N/A) (N/A, 0.00, N/A) | 829.4 | N/A | 20.7177 [20.0000] | 103.6% { 101.4% } |  | | |
| D9_NEtFOSE_EIS | (639.0 / 58.9) 414418 | (10.67, N/A) (N/A, 0.00, N/A) | 1111.7 | N/A | 22.7516 [20.0000] | 113.8% { 108.5% } |  | | |
| 13C3_HFPODA_EIS | (287.0 / 169.0) 1851733 | (6.45, N/A) (N/A, 0.00, N/A) | 584.3 | N/A | 7.7954 [8.0000] | 97.4% { 105.3% } |  | | |

LOW-CONCENTRATION CALIBRATION VERIFICATIONW

Table B-15W

Laboratory:WAPPL, L CL

SDG:W

Client:WTidewater, Inc.L

Project:WNASA JPL SIL

Calibration:W2250016L

Laboratory ID:WSB03769-LCV1L

Sequence:WSB03769L

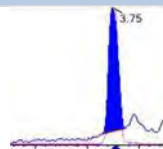
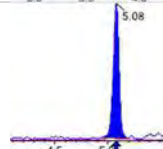
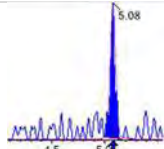
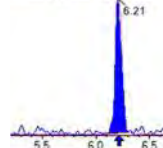
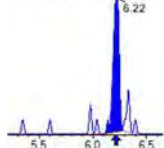
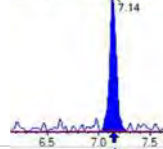
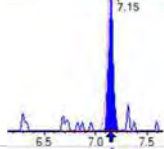
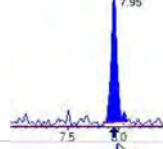
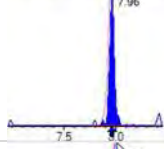
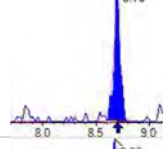
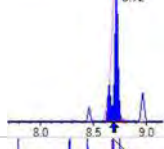
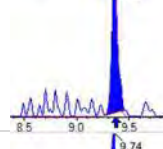
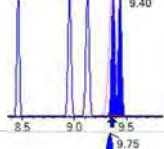
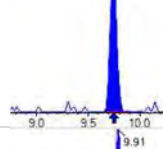
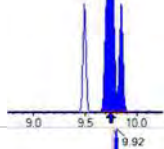
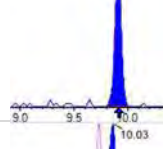
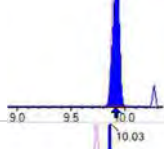
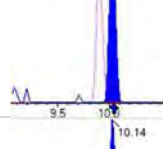
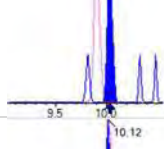
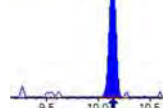
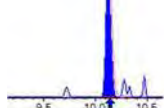
Standard ID:W22L0176L

| ANALYTEW | EXPECTEDW (ng/mL)W | FOUNDW (ng/mL)W | % DRIFTW | QC LIMITW |
|-----------|-----------------------|--------------------|----------|-----------|
| PFBAL | 0.400L | 0.371L | -7.1L | 30.00L |
| PFPEAL | 0.200L | 0.226L | 13.0L | 30.00L |
| PFHXAL | 0.100L | 0.114L | 13.8L | 30.00L |
| PFHPAL | 0.100L | 0.112L | 11.7L | 30.00L |
| PFOAL | 0.100L | 0.122L | 21.6L | 30.00L |
| PFNAL | 0.100L | 0.103L | 3.3L | 30.00L |
| PFDAL | 0.100L | 0.0776L | -22.4L | 30.00L |
| PFUnAL | 0.100L | 0.101L | 1.1L | 30.00L |
| PFDOAL | 0.100L | 0.119L | 19.4L | 30.00L |
| PFTRDAL | 0.100L | 0.0779L | -22.1L | 30.00L |
| PFTEDAL | 0.100L | 0.0934L | -6.6L | 30.00L |
| PFBSL | 0.0885L | 0.0946L | 6.9L | 30.00L |
| PFPESL | 0.0940L | 0.101L | 7.6L | 30.00L |
| PFHXSL | 0.0915L | 0.0895L | -2.2L | 30.00L |
| PFHPSL | 0.0955L | 0.0995L | 4.2L | 30.00L |
| PFOSL | 0.0930L | 0.109L | 16.8L | 30.00L |
| PFNSL | 0.0960L | 0.121L | 26.3L | 30.00L |
| PFDSL | 0.0965L | 0.112L | 15.9L | 30.00L |
| 4:2FTSL | 0.375L | 0.380L | 1.4L | 30.00L |
| 6:2FTSL | 0.380L | 0.498L | 31.0L * | 30.00L |
| 8:2FTSL | 0.384L | 0.309L | -19.7L | 30.00L |
| PFOSAL | 0.100L | 0.0976L | -2.4L | 30.00L |
| NMeFOSAL | 0.400L | 0.447L | 11.8L | 30.00L |
| NEtFOSAL | 0.400L | 0.412L | 2.9L | 30.00L |
| NMeFOSAAL | 0.100L | 0.0891L | -10.9L | 30.00L |
| NEtFOSAAL | 0.100L | 0.0902L | -9.8L | 30.00L |
| NMeFOSEL | 0.400L | 0.321L | -19.7L | 30.00L |
| NEtFOSEL | 0.400L | 0.560L | 40.0L * | 30.00L |

LOW-CONCENTRATION CALIBRATION VERIFICATIONW**Table B-15W****Laboratory:**WAPPL, L CL**SDG:**W**Client:**WTidewater, Inc.L**Project:**WNASA JPL SIL**Calibration:**W2250016L**Laboratory ID:**WSB03769-LCV1L**Sequence:**WSB03769L**Standard ID:**W22L0176L

| | | | | |
|---------------|--------|--------|-------|--------|
| HFPO-DAL | 0.200L | 0.191L | -4.5L | 30.00L |
| ADONAL | 0.189L | 0.194L | 2.8L | 30.00L |
| 9CL-PF3ONSL | 0.187L | 0.229L | 22.3L | 30.00L |
| 11CL-PF3OUDSL | 0.189L | 0.205L | 8.4L | 30.00L |

* Values outside of QC limitsL

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|---------|---|--|----------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| PFBA | (212.9 / 169.0) 24107 | (3.75, 1.00) (-0.01, N/A, 0.0) | 37.7 | N/A 0.0 0.0 | 0.3714 [0.4000] | 92.9% |  | | |
| PFPeA | (262.9 / 219.0) 18021 (262.9 / 69.0) 415 | (5.08, 1.00) (0.00, N/A, 0.4) | 167.4 19.5 | 0.0230 197.6 208.0 | 0.2259 [0.2000] | 113.0% |  |  | |
| PFHxA | (313.0 / 269.0) 14746 (313.0 / 119.0) 1838 | (6.21, 1.00) (-0.01, N/A, -0.8) | 73.9 47.5 | 0.1246 138.7 127.3 | 0.1138 [0.1000] | 113.8% |  |  | |
| PFHpA | (363.0 / 319.0) 13852 (363.0 / 169.0) 2774 | (7.14, 1.00) (0.00, N/A, -0.7) | 64.1 53.9 | 0.2003 69.8 70.9 | 0.1117 [0.1000] | 111.7% |  |  | |
| PFOA | (413.0 / 369.0) 14288 (413.0 / 169.0) 4249 | (7.95, 1.00) (0.00, N/A, -0.7) | 61.2 271.3 | 0.2974 91.9 91.9 | 0.1216 [0.1000] | 121.6% |  |  | |
| PFNA | (463.0 / 419.0) 10058 (463.0 / 169.0) 2308 | (8.70, 1.00) (0.00, N/A, -1.1) | 54.2 35.2 | 0.2294 114.0 108.9 | 0.1033 [0.1000] | 103.3% |  |  | |
| PFDA | (513.0 / 469.0) 10045 (513.0 / 169.0) 532 | (9.36, 1.00) (-0.01, N/A, -2.8) | 26.6 14.6 | 0.0530 59.7 53.3 | 0.0776 [0.1000] | 77.6% |  |  | |
| PFUnA | (563.0 / 519.0) 15800 (563.0 / 169.0) 1259 | (9.74, 1.00) (0.01, N/A, -0.4) | 92.7 61.9 | 0.0797 74.2 80.1 | 0.1011 [0.1000] | 101.1% |  |  | |
| PFDoA | (613.0 / 569.0) 21792 (613.0 / 169.0) 3570 | (9.91, 1.00) (0.01, N/A, -0.6) | 93.1 1458.2 | 0.1638 137.5 106.5 | 0.1194 [0.1000] | 119.4% |  |  | |
| PFTTrDA | (663.0 / 619.0) 12492 (663.0 / 169.0) 1389 | (10.03, 1.01) (N/A, 0.00, 0.1) | 127.1 36.1 | 0.1112 59.7 52.9 | 0.0779 [0.1000] | 77.9% |  |  | |
| PFTTeDA | (713.0 / 669.0) 13797 (713.0 / 169.0) 5345 | (10.14, 1.00) (0.00, N/A, 1.0) | 105.3 81.0 | 0.3874 196.8 192.7 | 0.0934 [0.1000] | 93.4% |  |  | IR2, |

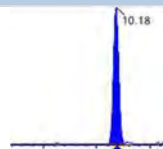
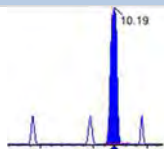
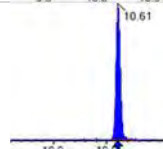
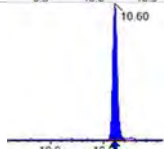
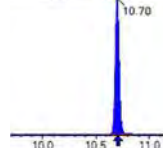
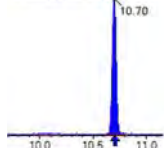
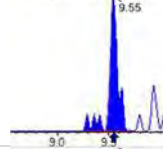
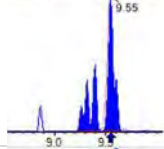
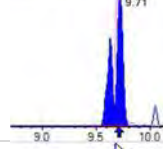
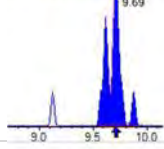
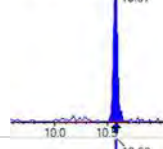
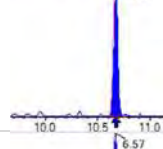
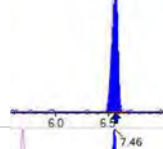
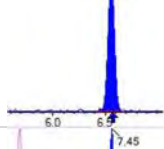
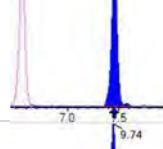
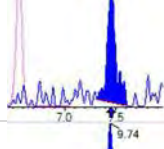
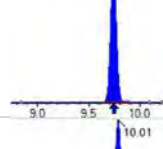
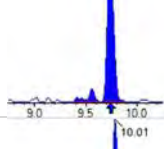
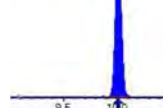
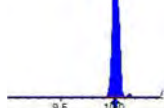


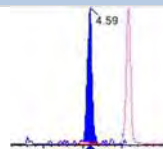
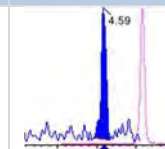
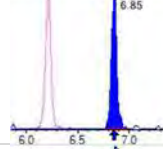
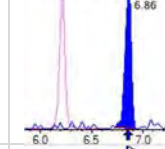
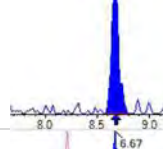
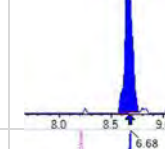
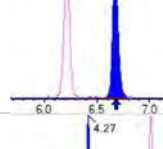
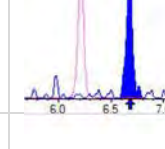
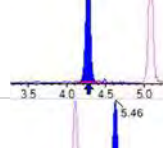
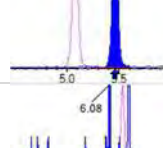
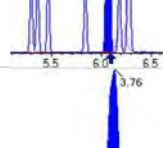
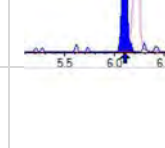
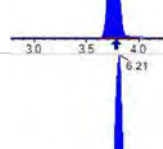
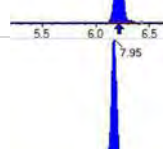
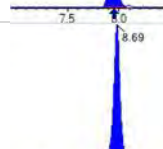
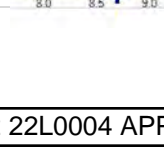
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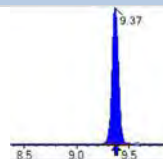
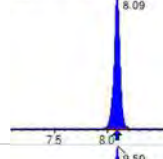
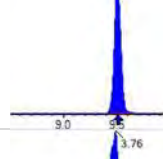
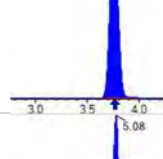
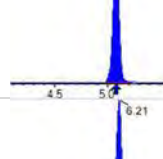
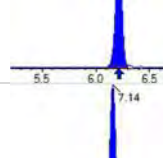
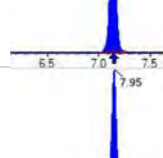
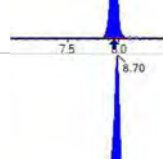
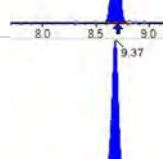
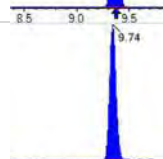
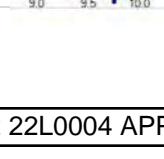
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 DF, IV: 1, 10.0µL
 Acquisition Method: 1633 2022-12-07.dam

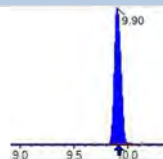
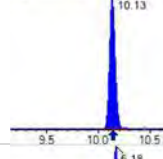
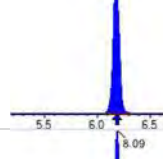
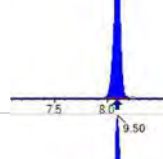
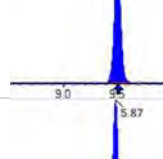
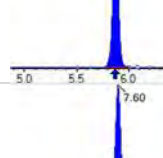
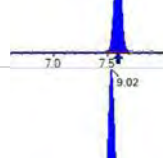
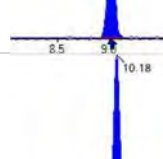
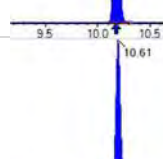
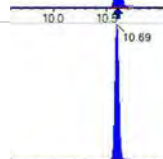
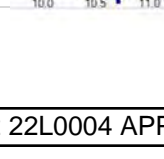
Quant Method: 1633 - S2022-12-07A
 Path: S2022-12-09B (2)
 Acquired: 2022/12/09 - 22:41

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|---------|---|--|--------------------|-------------------------------------|---------------------------------|---------------------------|-----------------------|----------------------------|---------------------|
| PFBS | (298.9 / 80.0) 18158 (298.9 / 99.0) 11848 | (6.18, 1.00) (0.00, N/A, -0.5) | 256.0 96.1 | 0.6525 96.3 96.4 | 0.0946 [0.0885] | 106.9% | | | |
| PFPeS | (349.0 / 80.0) 33423 (349.0 / 99.0) 10780 | (7.22, 0.89) (N/A, 0.00, -0.3) | 282.4 152.8 | 0.3225 88.4 96.0 | 0.1011 [0.0938] | 107.8% | | | |
| PFHxS | (399.0 / 80.0) 26229 (399.0 / 99.0) 11765 | (8.09, 1.00) (0.00, N/A, 0.2) | 207.3 1328.7 | 0.4485 130.1 135.9 | 0.0895 [0.0911] | 98.2% | | | M14 ABK 12/13/22 |
| PFHpS | (449.0 / 80.0) 26944 (449.0 / 99.0) 5496 | (8.86, 0.93) (N/A, 0.00, 0.3) | 626.0 372.9 | 0.2040 71.8 71.9 | 0.0995 [0.0951] | 104.6% | | | |
| PFOS | (499.0 / 80.0) 36433 (499.0 / 99.0) 8302 | (9.50, 1.00) (0.00, N/A, -0.4) | 41.1 28368.0 | 0.2279 88.5 96.3 | 0.1086 [0.0927] | 117.1% | | | |
| PFNS | (549.0 / 80.0) 47759 (549.0 / 99.0) 8213 | (9.79, 1.03) (N/A, 0.00, 0.0) | 196.2 635.6 | 0.1720 72.0 73.5 | 0.1212 [0.0960] | 126.3% | | | |
| PFDS | (599.0 / 80.0) 55205 (599.0 / 99.0) 13911 | (9.93, 1.04) (N/A, 0.00, 0.3) | 242.4 118.0 | 0.2520 108.3 104.0 | 0.1119 [0.0963] | 116.2% | | | |
| PFDoS | (698.9 / 80.0) 31697 (698.9 / 99.0) 4013 | (10.12, 1.06) (N/A, 0.00, 0.5) | 2974.1 86.1 | 0.1266 54.6 61.4 | 0.1083 [0.0970] | 111.7% | | | |
| 4:2FTS | (327.0 / 307.0) 24883 (327.0 / 81.0) 13085 | (5.87, 1.00) (0.00, N/A, 0.0) | 420.0 103.8 | 0.5258 88.0 87.9 | 0.3802 [0.3738] | 101.7% | | | |
| 6:2FTS | (427.0 / 407.0) 16387 (427.0 / 81.0) 12482 | (7.60, 1.00) (0.00, N/A, 0.2) | 21.6 150.7 | 0.7617 105.9 107.3 | 0.4976 [0.3796] | 131.1% | | | QC, |
| 8:2FTS | (527.0 / 507.0) 10665 (527.0 / 81.0) 8853 | (9.01, 1.00) (-0.01, N/A, -0.4) | 23591.0 18928.9 | 0.8301 133.1 134.6 | 0.3085 [0.3833] | 80.5% | | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|--------------|---|--|------------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| PFOSA | (498.0 / 78.0) 46791 (498.0 / 478.0) 2566 | (10.18, 1.00) (0.00, N/A, -0.4) | 301.1 70.6 | 0.0548 229.7 217.2 | 0.0976 [0.1000] | 97.6% |  |  | |
| NMeFOSA | (511.9 / 219.0) 46279 (511.9 / 169.0) 29268 | (10.61, 1.00) (0.00, N/A, 0.2) | 523.7 381.9 | 0.6324 94.8 97.7 | 0.4471 [0.4000] | 111.8% |  |  | |
| NEIFOSA | (526.0 / 219.0) 50411 (526.0 / 169.0) 52283 | (10.70, 1.00) (0.00, N/A, 0.0) | 803.0 436.1 | 1.0371 95.2 100.4 | 0.4116 [0.4000] | 102.9% |  |  | |
| NMeFOSAA | (570.0 / 419.0) 5795 (570.0 / 483.0) 4123 | (9.55, 1.00) (0.01, N/A, 0.0) | 185.7 11213.2 | 0.7114 153.4 131.0 | 0.0891 [0.1000] | 89.1% |  |  | IR2, |
| NEIFOSAA | (584.0 / 419.0) 5142 (584.0 / 526.0) 3924 | (9.71, 1.00) (0.00, N/A, 1.0) | 209.8 130.1 | 0.7631 125.8 122.9 | 0.0902 [0.1000] | 90.2% |  |  | |
| NMeFOSE | (616.1 / 59.0) 10510 | (10.57, 1.00) (0.00, N/A, 0.0) | 129.9 | N/A 0.0 0.0 | 0.3211 [0.4000] | 80.3% |  | | |
| NEtFOSE | (630.0 / 59.0) 4552 | (10.68, 1.00) (0.01, N/A, 0.0) | 170.3 | N/A 0.0 0.0 | 0.5601 [0.4000] | 140.0% |  | | QC, |
| HFPO-DA | (285.0 / 169.0) 10893 (285.0 / 185.0) 35908 | (6.57, 1.00) (0.01, N/A, 0.7) | 230.9 289.3 | 3.2966 118.9 107.0 | 0.1911 [0.2000] | 95.5% |  |  | |
| ADONA | (377.0 / 85.0) 44802 (377.0 / 251.0) 6119 | (7.46, 1.14) (N/A, 0.00, 0.1) | 376.9 30.5 | 0.1366 108.7 115.4 | 0.1944 [0.1885] | 103.1% |  |  | |
| 9CI-Pf3ONS | (531.0 / 351.0) 145103 (533.0 / 353.0) 34855 | (9.74, 1.48) (N/A, 0.00, 0.0) | 356.7 4494.5 | 0.2402 72.0 80.2 | 0.2288 [0.1867] | 122.6% |  |  | |
| 11CI-PF3OUDS | (631.0 / 451.0) 89380 (633.0 / 453.0) 21814 | (10.01, 1.53) (N/A, 0.00, -0.1) | 796.6 722.6 | 0.2441 75.4 73.1 | 0.2048 [0.1886] | 108.6% |  |  | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|----------------|--|--|---------------|-------------------------------------|---------------------------------|---------------------------|---|---|---------|
| 3:3FTCA | (241.0 / 177.0) 1390 (241.0 / 117.0) 2547 | (4.59, 0.90) (N/A, -0.01, 0.0) | 107.5 40.0 | 1.8329 105.3 107.2 | 0.3547 [0.4000] | 88.7% |  |  | |
| 5:3FTCA | (341.0 / 236.7) 11658 (341.0 / 217.0) 18192 | (6.85, 1.10) (N/A, 0.00, -0.2) | 186.3 75.5 | 1.5605 91.4 95.3 | 0.4234 [0.4000] | 105.8% |  |  | |
| 7:3FTCA | (441.0 / 317.0) 20287 (441.0 / 337.0) 12378 | (8.67, 1.39) (N/A, 0.00, 0.4) | 55.7 122.5 | 0.6102 74.0 76.7 | 0.5722 [0.4000] | 143.1% |  |  | QC, |
| PFEESA | (315.0 / 135.0) 27851 (315.0 / 83.0) 7421 | (6.67, 1.07) (N/A, 0.00, -0.3) | 425.8 51.7 | 0.2665 89.6 81.8 | 0.2102 [0.1785] | 117.7% |  |  | |
| PFMPA | (229.0 / 85.0) 4900 | (4.27, 0.84) (N/A, -0.01, 0.0) | 237.5 | N/A 0.0 0.0 | 0.2231 [0.2000] | 111.5% |  | | |
| PFMBA | (279.0 / 85.0) 14618 | (5.46, 1.08) (N/A, 0.00, 0.0) | 320.4 | N/A 0.0 0.0 | 0.2135 [0.2000] | 106.8% |  | | |
| NFDHA | (201.0 / 85.0) 199 (295.0 / 201.0) 4265 | (6.08, 0.98) (N/A, -0.01, -1.2) | 18.3 106.1 | 21.3874 305.7 371.5 | 0.0000 [0.2000] | N/A% |  |  | QC,IR2, |
| 13C3_PFBAA_IIS | (216.0 / 172.0) 94960 | (3.76, N/A) (N/A, -0.01, N/A) | 658.5 | N/A | 0.9879 [1.0000] | 98.8% {108.5%} |  | | |
| 13C2_PFHxA_IIS | (315.1 / 270.0) 133628 | (6.21, N/A) (N/A, 0.00, N/A) | 572.1 | N/A | 1.0821 [1.0000] | 108.2% {103.0%} |  | | |
| 13C4_PFOA_IIS | (417.0 / 372.0) 118142 | (7.95, N/A) (N/A, 0.00, N/A) | 468.3 | N/A | 0.9966 [1.0000] | 99.7% {97.3%} |  | | |
| 13C5_PFNA_IIS | (468.0 / 423.0) 105358 | (8.69, N/A) (N/A, 0.00, N/A) | 463.0 | N/A | 1.1062 [1.0000] | 110.6% {107.3%} |  | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|----------------|------------------------------|--|-------|-------------------------------------|---------------------------------|---------------------------|---|----------------------------|------|
| 13C2_PFDA_IIS | (515.1 / 470.1) 106443 | (9.37, N/A) (N/A, 0.00, N/A) | 384.0 | N/A | 1.2920 [1.0000] | 129.2% { 118.1% } |  | | |
| 18O2_PFHxS_IIS | (403.0 / 83.9) 223231 | (8.09, N/A) (N/A, 0.00, N/A) | 688.8 | N/A | 1.0401 [1.0000] | 104.0% { 106.6% } |  | | |
| 13C4_PFOS_IIS | (502.8 / 79.9) 181177 | (9.50, N/A) (N/A, 0.00, N/A) | 306.2 | N/A | 0.9734 [1.0000] | 97.3% { 94.8% } |  | | |
| 13C4_PFBA_EIS | (217.0 / 172.0) 681928 | (3.76, N/A) (N/A, -0.01, N/A) | 874.0 | N/A | 7.6596 [8.0000] | 95.7% { 104.1% } |  | | |
| 13C5_PFPeA_EIS | (267.9 / 223.0) 331901 | (5.08, N/A) (N/A, 0.00, N/A) | 879.8 | N/A | 3.4049 [4.0000] | 85.1% { 95.5% } |  | | |
| 13C5_PFHxA_EIS | (318.0 / 273.0) 257177 | (6.21, N/A) (N/A, 0.00, N/A) | 397.1 | N/A | 1.8868 [2.0000] | 94.3% { 98.0% } |  | | |
| 13C4_PFHpA_EIS | (367.0 / 322.0) 244896 | (7.14, N/A) (N/A, 0.00, N/A) | 716.5 | N/A | 1.9905 [2.0000] | 99.5% { 98.7% } |  | | |
| 13C8_PFOA_EIS | (421.0 / 376.0) 227871 | (7.95, N/A) (N/A, 0.00, N/A) | 676.8 | N/A | 1.8963 [2.0000] | 94.8% { 87.3% } |  | | |
| 13C9_PFNA_EIS | (472.0 / 427.0) 101031 | (8.70, N/A) (N/A, 0.00, N/A) | 425.4 | N/A | 0.9717 [1.0000] | 97.2% { 121.3% } |  | | |
| 13C6_PFDA_EIS | (519.0 / 474.0) 127550 | (9.37, N/A) (N/A, -0.01, N/A) | 605.2 | N/A | 0.8250 [1.0000] | 82.5% { 109.7% } |  | | |
| 13C7_PFUnA_EIS | (570.0 / 525.0) 177587 | (9.74, N/A) (N/A, 0.00, N/A) | 231.9 | N/A | 0.8557 [1.0000] | 85.6% { 88.3% } |  | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|-----------------|------------------------------|--|-------|-------------------------------------|---------------------------------|---------------------------|---|----------------------------|------|
| 13C2_PFDa_EIS | (615.0 / 570.0) 198416 | (9.90, N/A) (N/A, -0.01, N/A) | 621.2 | N/A | 0.7877 [1.0000] | 78.8% { 102.7% } |  | | |
| 13C2_PFTeDA_EIS | (715.0 / 670.0) 149832 | (10.13, N/A) (N/A, -0.01, N/A) | 754.3 | N/A | 0.8103 [1.0000] | 81.0% { 115.4% } |  | | |
| 13C3_PFBs_EIS | (302.0 / 80.0) 628758 | (6.18, N/A) (N/A, 0.00, N/A) | 993.0 | N/A | 1.9165 [2.0000] | 95.8% { 95.0% } |  | | |
| 13C3_PFHxS_EIS | (402.0 / 80.0) 349607 | (8.09, N/A) (N/A, 0.00, N/A) | 535.5 | N/A | 1.8721 [2.0000] | 93.6% { 99.1% } |  | | |
| 13C8_PFOS_EIS | (507.0 / 80.0) 597754 | (9.50, N/A) (N/A, -0.01, N/A) | 669.5 | N/A | 2.1643 [2.0000] | 108.2% { 99.7% } |  | | |
| 13C2_4:2FTS_EIS | (329.0 / 81.0) 74943 | (5.87, N/A) (N/A, 0.00, N/A) | 461.1 | N/A | 4.0503 [4.0000] | 101.3% { 104.7% } |  | | |
| 13C2_6:2FTS_EIS | (429.0 / 81.0) 83038 | (7.60, N/A) (N/A, 0.01, N/A) | 450.5 | N/A | 3.3451 [4.0000] | 83.6% { 92.3% } |  | | |
| 13C2_8:2FTS_EIS | (529.0 / 81.0) 88054 | (9.02, N/A) (N/A, -0.01, N/A) | 321.1 | N/A | 4.0867 [4.0000] | 102.2% { 101.6% } |  | | |
| 13C8_PFOsa_EIS | (506.0 / 78.0) 863233 | (10.18, N/A) (N/A, 0.00, N/A) | 766.5 | N/A | 2.0473 [2.0000] | 102.4% { 98.4% } |  | | |
| D3_NMeFOSA_EIS | (515.0 / 169.0) 225244 | (10.61, N/A) (N/A, 0.00, N/A) | 734.0 | N/A | 1.8053 [2.0000] | 90.3% { 94.5% } |  | | |
| D5_NEtFOSA_EIS | (531.1 / 169.0) 236527 | (10.69, N/A) (N/A, 0.00, N/A) | 821.2 | N/A | 2.0907 [2.0000] | 104.5% { 104.0% } |  | | |



Chemist: ABK
 Instrument: Saphira
 Type: Sciex Q3 5500

Sample I.D.: SB03769-LCV1
 DF, IV: 1, 10.0µL
 Acquisition Method: 1633 2022-12-07.dam

Quant Method: 1633 - S2022-12-07A
 Path: S2022-12-09B (2)
 Acquired: 2022/12/09 - 22:41

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (ΔRT-I[min], ΔRT-CV[min], ΔRT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|-----------------|------------------------------|--|--------|-------------------------------------|---------------------------------|---------------------------|-----------------------|----------------------------|------|
| D3_MeFOSAA_EIS | (573.0 / 419.0) 298302 | (9.54 , N/A) (N/A , 0.00 , N/A) | 378.2 | N/A | 4.8546 [4.0000] | 121.4% { 110.1% } | | | |
| D5_EtFOSAA_EIS | (589.0 / 419.0) 248390 | (9.70 , N/A) (N/A , 0.00 , N/A) | 595.0 | N/A | 4.7032 [4.0000] | 117.6% { 112.7% } | | | |
| D7_NMeFOSE_EIS | (623.2 / 58.9) 465687 | (10.57 , N/A) (N/A , 0.00 , N/A) | 921.1 | N/A | 21.8518 [20.0000] | 109.3% { 98.0% } | | | |
| D9_NEtFOSE_EIS | (639.2 / 58.9) 237397 | (10.67 , N/A) (N/A , 0.00 , N/A) | 1058.9 | N/A | 21.8626 [20.0000] | 109.3% { 100.1% } | | | |
| 13C3_HFPODA_EIS | (287.0 / 169.0) 686602 | (6.56 , N/A) (N/A , 0.00 , N/A) | 976.7 | N/A | 7.6486 [8.0000] | 95.6% { 102.3% } | | | |

LOW-CONCENTRATION CALIBRATION VERIFICATIONW

Table B-15W

Laboratory:WAPPL, L CL

SDG:W

Client:WTidewater, Inc.L

Project:WNASA JPL SIL

Calibration:W2251019L

Laboratory ID:WSB03858-LCV1L

Sequence:WSB03858L

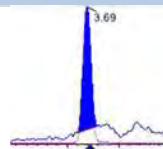
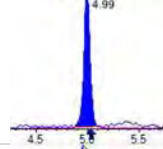
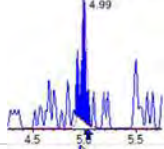
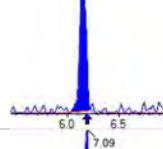
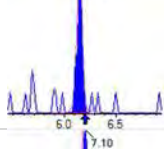
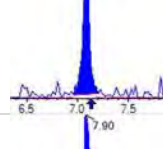
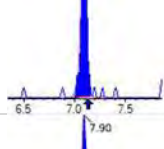
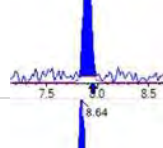
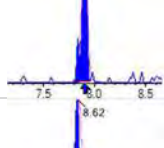
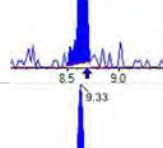
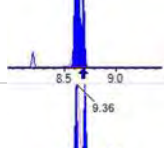
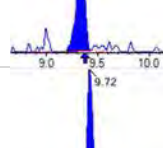
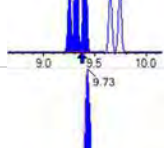
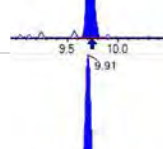
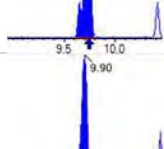
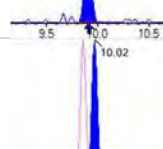
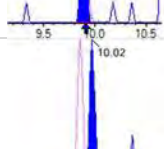
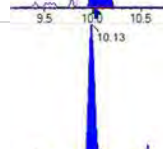
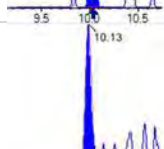
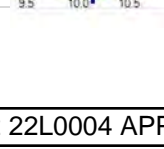
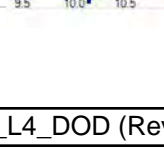
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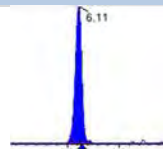
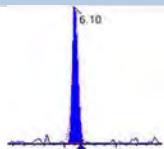
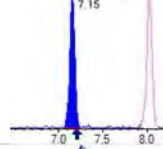
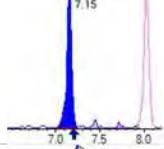
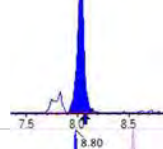
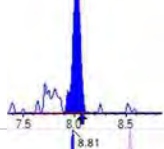
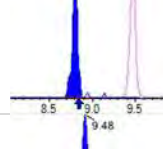
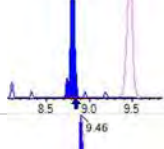
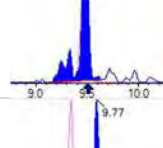
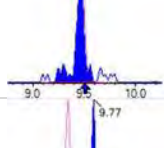
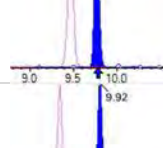
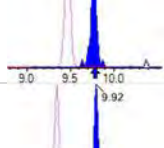
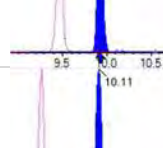
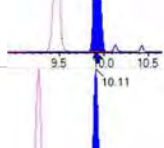
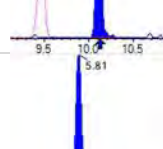
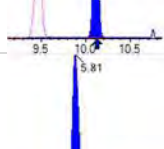
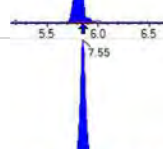
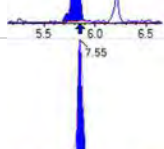
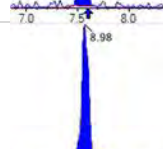
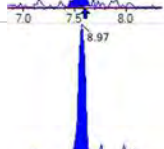
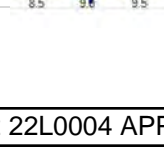

| ANALYTEW | EXPECTEDW (ng/mL)W | FOUNDW (ng/mL)W | % DRIFTW | QC LIMITW |
|-----------|-----------------------|--------------------|----------|-----------|
| PFBAL | 0.400L | 0.415L | 3.8L | 30.00L |
| PFPEAL | 0.200L | 0.208L | 4.1L | 30.00L |
| PFHXAL | 0.100L | 0.101L | 1.5L | 30.00L |
| PFHPAL | 0.100L | 0.0991L | -0.9L | 30.00L |
| PFOAL | 0.100L | 0.100L | 0.2L | 30.00L |
| PFNAL | 0.100L | 0.118L | 17.6L | 30.00L |
| PFDAL | 0.100L | 0.129L | 29.4L | 30.00L |
| PFUnAL | 0.100L | 0.137L | 37.2L * | 30.00L |
| PFDOAL | 0.100L | 0.115L | 15.2L | 30.00L |
| PFTRDAL | 0.100L | 0.119L | 19.0L | 30.00L |
| PFTEDAL | 0.100L | 0.0793L | -20.7L | 30.00L |
| PFBSL | 0.0885L | 0.0947L | 7.0L | 30.00L |
| PFPESL | 0.0940L | 0.0795L | -15.4L | 30.00L |
| PFHXSL | 0.0915L | 0.0701L | -23.4L | 30.00L |
| PFHPSL | 0.0955L | 0.102L | 6.6L | 30.00L |
| PFOSL | 0.0930L | 0.102L | 10.2L | 30.00L |
| PFNSL | 0.0960L | 0.0893L | -6.9L | 30.00L |
| PFDSL | 0.0965L | 0.111L | 15.0L | 30.00L |
| 4:2FTSL | 0.375L | 0.377L | 0.4L | 30.00L |
| 6:2FTSL | 0.380L | 0.361L | -5.1L | 30.00L |
| 8:2FTSL | 0.384L | 0.482L | 25.6L | 30.00L |
| PFOSAL | 0.100L | 0.108L | 8.1L | 30.00L |
| NMeFOSAL | 0.400L | 0.391L | -2.2L | 30.00L |
| NEtFOSAL | 0.400L | 0.394L | -1.5L | 30.00L |
| NMeFOSAAL | 0.100L | 0.0879L | -12.1L | 30.00L |
| NEtFOSAAL | 0.100L | 0.0825L | -17.5L | 30.00L |
| NMeFOSEL | 0.400L | 0.421L | 5.4L | 30.00L |
| NEtFOSEL | 0.400L | 0.382L | -4.5L | 30.00L |

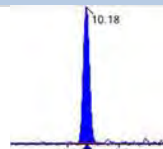
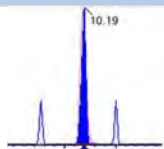
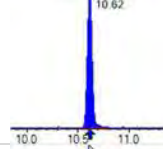
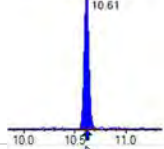
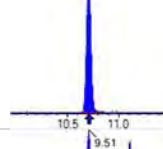
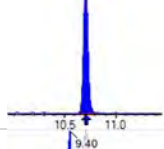
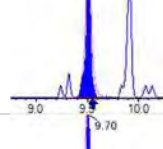
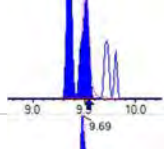
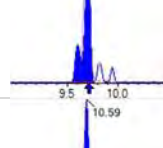
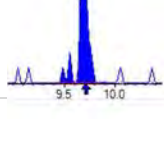
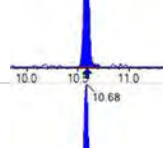
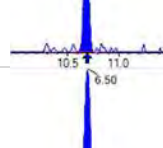
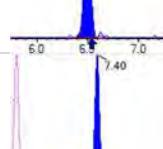
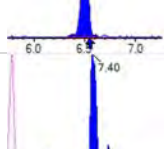
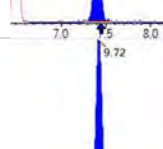
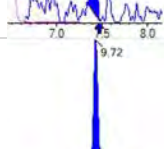
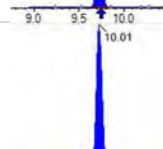
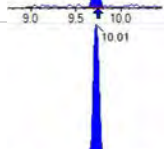
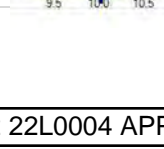
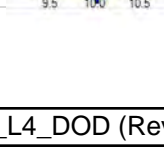
LOW-CONCENTRATION CALIBRATION VERIFICATIONW**Table B-15W****Laboratory:**WAPPL, L CL**SDG:**W**Client:**WTidewater, Inc.L**Project:**WNASA JPL SIL**Calibration:**W2251019L**Laboratory ID:**WSB03858-LCV1L**Sequence:**WSB03858L**Standard ID:**W22L0300L

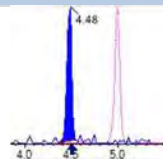
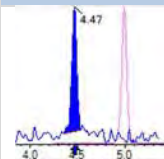
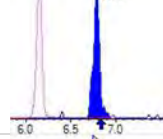
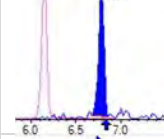
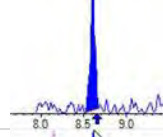
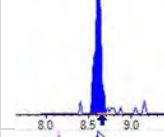
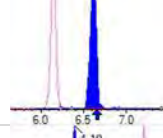
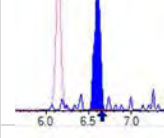
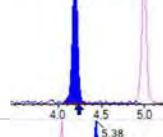
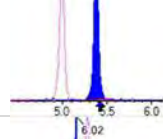
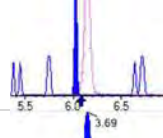
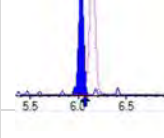
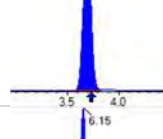
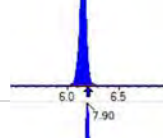
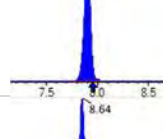
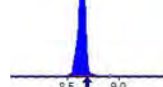
| | | | | |
|---------------|--------|--------|-------|--------|
| HFPO-DAL | 0.200L | 0.200L | 0.1L | 30.00L |
| ADONAL | 0.189L | 0.177L | -6.3L | 30.00L |
| 9CL-PF3ONSL | 0.187L | 0.180L | -3.8L | 30.00L |
| 11CL-PF3OUDSL | 0.189L | 0.185L | -2.3L | 30.00L |

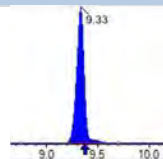
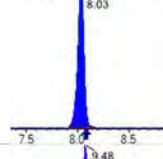
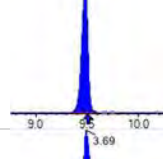
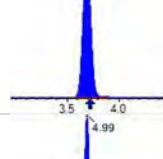
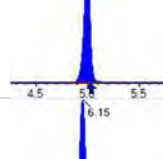
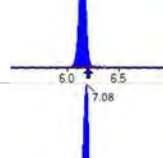
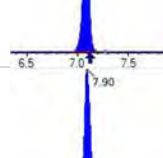
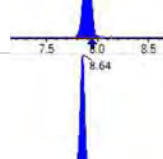
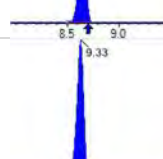
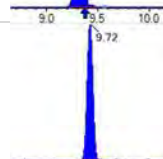
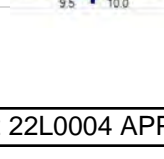
* Values outside of QC limitsL

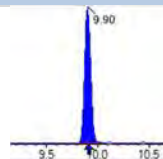
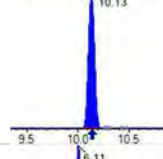
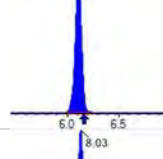
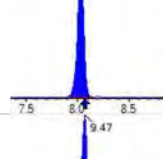
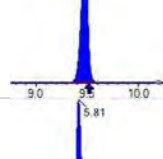
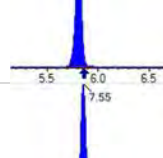
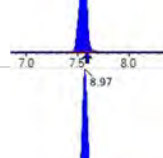
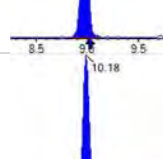
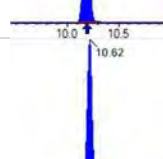
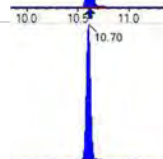
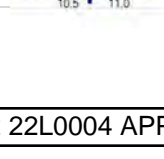
| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|---------|---|--|---------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| PFBA | (212.9 / 169.0) 24783 | (3.69, 1.00) (0.00, N/A, 0.0) | 39.4 | N/A 0.0 0.0 | 0.4154 [0.4000] | 103.8% |  | | |
| PFPeA | (262.9 / 219.0) 19311 (262.9 / 69.0) 299 | (4.99, 1.00) (0.00, N/A, 0.0) | 152.2 14.1 | 0.0155 18155.7 138.8 | 0.2082 [0.2000] | 104.1% |  |  | |
| PFHxA | (313.0 / 269.0) 14064 (313.0 / 119.0) 1286 | (6.15, 1.00) (0.00, N/A, 0.1) | 59.4 32.2 | 0.0914 93.2 98.7 | 0.1015 [0.1000] | 101.5% |  |  | |
| PFHpA | (363.0 / 319.0) 12081 (363.0 / 169.0) 3385 | (7.09, 1.00) (0.00, N/A, -0.6) | 47.0 72.0 | 0.2802 89.7 94.4 | 0.0991 [0.1000] | 99.1% |  |  | |
| PFOA | (413.0 / 369.0) 13130 (413.0 / 169.0) 5114 | (7.90, 1.00) (0.00, N/A, -0.3) | 46.0 82.2 | 0.3895 115.7 124.1 | 0.1002 [0.1000] | 100.2% |  |  | |
| PFNA | (463.0 / 419.0) 10084 (463.0 / 169.0) 3628 | (8.64, 1.00) (-0.01, N/A, 0.8) | 31.7 57.4 | 0.3598 179.3 164.8 | 0.1176 [0.1000] | 117.6% |  |  | IR2, |
| PFDA | (513.0 / 469.0) 16521 (513.0 / 169.0) 1375 | (9.33, 1.00) (0.00, N/A, -1.7) | 64.0 22.2 | 0.0832 104.6 86.4 | 0.1294 [0.1000] | 129.4% |  |  | |
| PFUnA | (563.0 / 519.0) 20815 (563.0 / 169.0) 2110 | (9.72, 1.00) (0.00, N/A, -0.6) | 14.5 856.0 | 0.1014 90.5 91.4 | 0.1372 [0.1000] | 137.2% |  |  | QC, |
| PFDoA | (613.0 / 569.0) 21170 (613.0 / 169.0) 3372 | (9.91, 1.00) (0.01, N/A, 0.4) | 95.2 83.5 | 0.1593 126.8 119.4 | 0.1152 [0.1000] | 115.2% |  |  | |
| PFTTrDA | (663.0 / 619.0) 18047 (663.0 / 169.0) 3178 | (10.02, 1.01) (N/A, -0.02, -0.3) | 75.5 68.1 | 0.1761 84.2 93.0 | 0.1190 [0.1000] | 119.0% |  |  | |
| PFTeDA | (713.0 / 669.0) 12894 (713.0 / 169.0) 3460 | (10.13, 1.00) (0.00, N/A, 0.2) | 97.2 23.9 | 0.2684 118.2 162.2 | 0.0793 [0.1000] | 79.3% |  |  | IR2, |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|---------|---|--|------------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| PFBS | (298.9 / 80.0) 19237 (298.9 / 99.0) 12915 | (6.11, 1.00) (0.00, N/A, 0.5) | 287.6 107.5 | 0.6714 98.7 102.0 | 0.0947 [0.0885] | 107.0% |  |  | |
| PFPeS | (349.0 / 80.0) 32408 (349.0 / 99.0) 14525 | (7.15, 0.89) (N/A, -0.05, 0.0) | 240.3 170.0 | 0.4482 120.0 115.5 | 0.0795 [0.0938] | 84.8% |  |  | |
| PFHxS | (399.0 / 80.0) 24222 (399.0 / 99.0) 8173 | (8.03, 1.00) (0.00, N/A, 0.7) | 307.7 97.6 | 0.3374 98.4 95.2 | 0.0701 [0.0911] | 77.0% |  |  | |
| PFHpS | (449.0 / 80.0) 29132 (449.0 / 99.0) 9354 | (8.80, 0.93) (N/A, -0.05, -0.3) | 276.6 170.0 | 0.3211 109.4 121.8 | 0.1018 [0.0951] | 107.0% |  |  | |
| PFOS | (499.0 / 80.0) 36348 (499.0 / 99.0) 10361 | (9.48, 1.00) (0.01, N/A, 0.8) | 81.1 96.2 | 0.2850 124.7 123.1 | 0.1025 [0.0927] | 110.5% |  |  | |
| PFNS | (549.0 / 80.0) 36443 (549.0 / 99.0) 9536 | (9.77, 1.03) (N/A, -0.02, 0.0) | 214.7 140.3 | 0.2617 104.9 105.4 | 0.0893 [0.0960] | 93.1% |  |  | |
| PFDS | (599.0 / 80.0) 55846 (599.0 / 99.0) 10899 | (9.92, 1.05) (N/A, 0.00, 0.5) | 500.1 340.9 | 0.1952 76.6 87.2 | 0.1109 [0.0963] | 115.2% |  |  | |
| PFDoS | (698.9 / 80.0) 25631 (698.9 / 99.0) 7618 | (10.11, 1.07) (N/A, -0.01, -0.1) | 167.4 21805.8 | 0.2972 144.7 123.8 | 0.0975 [0.0970] | 100.6% |  |  | |
| 4:2FTS | (327.0 / 307.0) 28162 (327.0 / 81.0) 15381 | (5.81, 1.00) (0.00, N/A, 0.1) | 354.5 120.7 | 0.5461 109.2 97.5 | 0.3765 [0.3738] | 100.7% |  |  | |
| 6:2FTS | (427.0 / 407.0) 14884 (427.0 / 81.0) 11648 | (7.55, 1.00) (0.00, N/A, 0.0) | 96.9 89.8 | 0.7826 109.2 105.3 | 0.3607 [0.3796] | 95.0% |  |  | |
| 8:2FTS | (527.0 / 507.0) 16022 (527.0 / 81.0) 10330 | (8.98, 1.00) (0.00, N/A, 0.1) | 2838.9 71.1 | 0.6447 91.6 105.1 | 0.4825 [0.3833] | 125.9% |  |  | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-I[μ min], Δ RT-CV[μ min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|--------------|---|---|-------------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| PFOSA | (498.0 / 78.0) 49569 (498.0 / 478.0) 1213 | (10.18, 1.00) (0.00, N/A, -0.4) | 180.6 919.2 | 0.0245 103.5 132.6 | 0.1081 [0.1000] | 108.1% |  |  | |
| NMeFOSA | (511.9 / 219.0) 41332 (511.9 / 169.0) 26277 | (10.62, 1.00) (0.00, N/A, 0.1) | 433.9 337.8 | 0.6357 91.2 95.7 | 0.3910 [0.4000] | 97.8% |  |  | |
| NEIFOSA | (526.0 / 219.0) 44758 (526.0 / 169.0) 53211 | (10.71, 1.00) (0.00, N/A, 0.0) | 633.8 586.3 | 1.1889 105.6 112.6 | 0.3939 [0.4000] | 98.5% |  |  | |
| NMeFOSAA | (570.0 / 419.0) 4692 (570.0 / 483.0) 2787 | (9.51, 1.00) (0.00, N/A, 6.8) | 281.3 84708.1 | 0.5939 126.4 116.0 | 0.0879 [0.1000] | 87.9% |  |  | |
| NEIFOSAA | (584.0 / 419.0) 5033 (584.0 / 526.0) 6632 | (9.70, 1.00) (0.01, N/A, 1.1) | 78.8 18445.6 | 1.3178 171.1 209.2 | 0.0825 [0.1000] | 82.5% |  |  | IR2, |
| NMeFOSE | (616.1 / 59.0) 14238 | (10.59, 1.00) (0.01, N/A, 0.0) | 176.7 | N/A 0.0 0.0 | 0.4214 [0.4000] | 105.4% |  | | |
| NEtFOSE | (630.0 / 59.0) 3338 | (10.68, 1.00) (0.00, N/A, 0.0) | 94.0 | N/A 0.0 0.0 | 0.3819 [0.4000] | 95.5% |  | | |
| HFPO-DA | (285.0 / 169.0) 11808 (285.0 / 185.0) 35683 | (6.50, 1.00) (0.00, N/A, -0.5) | 289.3 241.9 | 3.0220 118.5 107.2 | 0.2002 [0.2000] | 100.1% |  |  | |
| ADONA | (377.0 / 85.0) 43278 (377.0 / 251.0) 4823 | (7.40, 1.14) (N/A, -0.05, 0.0) | 296.1 25.1 | 0.1114 88.9 92.8 | 0.1770 [0.1885] | 93.9% |  |  | |
| 9CI-Pf3ONS | (531.0 / 351.0) 124795 (533.0 / 353.0) 44209 | (9.72, 1.50) (N/A, -0.02, 0.1) | 354.3 162.8 | 0.3543 111.8 112.9 | 0.1800 [0.1867] | 96.4% |  |  | |
| 11CI-PF3OUDS | (631.0 / 451.0) 84340 (633.0 / 453.0) 35678 | (10.01, 1.54) (N/A, -0.01, -0.1) | 680531.4 304.5 | 0.4230 144.6 134.0 | 0.1846 [0.1886] | 97.9% |  |  | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|----------------|--|--|---------------|-------------------------------------|---------------------------------|---------------------------|---|---|-------------|
| 3:3FTCA | (241.0 / 177.0) 1561 (241.0 / 117.0) 2410 | (4.48, 0.90) (N/A, -0.03, 0.7) | 84.6 45.0 | 1.5440 0.1 89.5 | 0.3924 [0.4000] | 98.1% |  |  | IR1, |
| 5:3FTCA | (341.0 / 236.7) 11791 (341.0 / 217.0) 18887 | (6.79, 1.10) (N/A, -0.04, 0.2) | 179.5 89.0 | 1.6018 101.4 93.1 | 0.4177 [0.4000] | 104.4% |  |  | |
| 7:3FTCA | (441.0 / 317.0) 11961 (441.0 / 337.0) 10696 | (8.60, 1.40) (N/A, -0.05, -0.6) | 43.4 77.2 | 0.8943 110.0 106.2 | 0.3755 [0.4000] | 93.9% |  |  | |
| PFEESA | (315.0 / 135.0) 23684 (315.0 / 83.0) 7674 | (6.61, 1.08) (N/A, -0.04, 0.6) | 283.4 49.4 | 0.3240 114.6 109.1 | 0.1664 [0.1785] | 93.2% |  |  | |
| PFMPA | (229.0 / 85.0) 4829 | (4.19, 0.84) (N/A, -0.04, 0.0) | 186.6 | N/A 0.0 0.0 | 0.1929 [0.2000] | 96.5% |  | | |
| PFMBA | (279.0 / 85.0) 17845 | (5.38, 1.08) (N/A, -0.04, 0.0) | 362.2 | N/A 0.0 0.0 | 0.2184 [0.2000] | 109.2% |  | | |
| NFDHA | (201.0 / 85.0) 344 (295.0 / 201.0) 5275 | (6.02, 0.98) (N/A, -0.05, -0.3) | 50.5 132.7 | 15.3165 1.9 221.4 | 0.0098 [0.2000] | 4.9% |  |  | QC,IR1,IR2, |
| 13C3_PFBA_IIS | (216.0 / 172.0) 83927 | (3.69, N/A) (N/A, -0.02, N/A) | 663.0 | N/A | 0.9599 [1.0000] | 96.0% {96.0%} |  | | |
| 13C2_PFHxA_IIS | (315.1 / 270.0) 131572 | (6.15, N/A) (N/A, -0.04, N/A) | 540.7 | N/A | 1.0000 [1.0000] | 100.0% {104.4%} |  | | |
| 13C4_PFOA_IIS | (417.0 / 372.0) 121409 | (7.90, N/A) (N/A, -0.04, N/A) | 692.1 | N/A | 0.9700 [1.0000] | 97.0% {90.2%} |  | | |
| 13C5_PFNA_IIS | (468.0 / 423.0) 82026 | (8.64, N/A) (N/A, -0.05, N/A) | 350.8 | N/A | 0.8218 [1.0000] | 82.2% {81.2%} |  | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-I[min], Δ RT-CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|----------------|------------------------------|---|--------|-------------------------------------|---------------------------------|---------------------------|---|----------------------------|------|
| 13C2_PFDA_IIS | (515.1 / 470.1) 90110 | (9.33, N/A) (N/A, -0.04, N/A) | 314.8 | N/A | 0.8689 [1.0000] | 86.9% { 80.7% } |  | | |
| 18O2_PFHxS_IIS | (403.0 / 83.9) 236127 | (8.03, N/A) (N/A, -0.05, N/A) | 817.0 | N/A | 0.9981 [1.0000] | 99.8% { 96.2% } |  | | |
| 13C4_PFOS_IIS | (502.8 / 79.9) 194287 | (9.48, N/A) (N/A, -0.03, N/A) | 275.4 | N/A | 0.9684 [1.0000] | 96.8% { 92.7% } |  | | |
| 13C4_PFBA_EIS | (217.0 / 172.0) 718620 | (3.69, N/A) (N/A, -0.03, N/A) | 910.1 | N/A | 8.2703 [8.0000] | 103.4% { 96.4% } |  | | |
| 13C5_PFPeA_EIS | (267.9 / 223.0) 409725 | (4.99, N/A) (N/A, -0.04, N/A) | 1096.2 | N/A | 4.2299 [4.0000] | 105.7% { 104.5% } |  | | |
| 13C5_PFHxA_EIS | (318.0 / 273.0) 305569 | (6.15, N/A) (N/A, -0.04, N/A) | 659.7 | N/A | 1.9729 [2.0000] | 98.6% { 105.0% } |  | | |
| 13C4_PFHpA_EIS | (367.0 / 322.0) 270148 | (7.08, N/A) (N/A, -0.04, N/A) | 597.4 | N/A | 1.9742 [2.0000] | 98.7% { 97.5% } |  | | |
| 13C8_PFOA_EIS | (421.0 / 376.0) 276406 | (7.90, N/A) (N/A, -0.04, N/A) | 745.5 | N/A | 2.0603 [2.0000] | 103.0% { 103.1% } |  | | |
| 13C9_PFNA_EIS | (472.0 / 427.0) 101495 | (8.64, N/A) (N/A, -0.04, N/A) | 476.9 | N/A | 1.1328 [1.0000] | 113.3% { 95.4% } |  | | |
| 13C6_PFDA_EIS | (519.0 / 474.0) 138529 | (9.33, N/A) (N/A, -0.04, N/A) | 348.9 | N/A | 1.1345 [1.0000] | 113.5% { 103.8% } |  | | |
| 13C7_PFUnA_EIS | (570.0 / 525.0) 203539 | (9.72, N/A) (N/A, -0.01, N/A) | 724.3 | N/A | 1.1577 [1.0000] | 115.8% { 103.0% } |  | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|-----------------|------------------------------|--|--------|-------------------------------------|---------------------------------|---------------------------|---|----------------------------|------|
| 13C2_PFDa_EIS | (615.0 / 570.0) 229396 | (9.90, N/A) (N/A, -0.01, N/A) | 434.7 | N/A | 1.1570 [1.0000] | 115.7% { 89.1% } |  | | |
| 13C2_PFTeDA_EIS | (715.0 / 670.0) 169787 | (10.13, N/A) (N/A, -0.01, N/A) | 357.5 | N/A | 1.4090 [1.0000] | 140.9% { 116.8% } |  | | |
| 13C3_PFBs_EIS | (302.0 / 80.0) 744101 | (6.11, N/A) (N/A, -0.04, N/A) | 844.8 | N/A | 1.9295 [2.0000] | 96.5% { 104.3% } |  | | |
| 13C3_PFHxS_EIS | (402.0 / 80.0) 434373 | (8.03, N/A) (N/A, -0.05, N/A) | 797.6 | N/A | 2.1719 [2.0000] | 108.6% { 106.7% } |  | | |
| 13C8_PFOS_EIS | (507.0 / 80.0) 645546 | (9.47, N/A) (N/A, -0.03, N/A) | 548.2 | N/A | 2.0227 [2.0000] | 101.1% { 113.2% } |  | | |
| 13C2_4:2FTS_EIS | (329.0 / 81.0) 93812 | (5.81, N/A) (N/A, -0.05, N/A) | 584.5 | N/A | 4.3141 [4.0000] | 107.9% { 111.4% } |  | | |
| 13C2_6:2FTS_EIS | (429.0 / 81.0) 106891 | (7.55, N/A) (N/A, -0.04, N/A) | 923.7 | N/A | 3.8357 [4.0000] | 95.9% { 97.3% } |  | | |
| 13C2_8:2FTS_EIS | (529.0 / 81.0) 90626 | (8.97, N/A) (N/A, -0.05, N/A) | 353.1 | N/A | 3.6274 [4.0000] | 90.7% { 108.7% } |  | | |
| 13C8_PFOA_EIS | (506.0 / 78.0) 921239 | (10.18, N/A) (N/A, -0.01, N/A) | 714.0 | N/A | 1.9834 [2.0000] | 99.2% { 99.6% } |  | | |
| D3_NMeFOA_EIS | (515.0 / 169.0) 264979 | (10.62, N/A) (N/A, -0.01, N/A) | 743.5 | N/A | 2.2900 [2.0000] | 114.5% { 107.7% } |  | | |
| D5_NEiFOA_EIS | (531.1 / 169.0) 249195 | (10.70, N/A) (N/A, -0.01, N/A) | 1327.6 | N/A | 2.3063 [2.0000] | 115.3% { 101.2% } |  | | |



Chemist: DAG
 Instrument: Saphira
 Type: Sciex Q3 5500

Sample I.D.: SB03858-LCV1
 DF, IV: 1, 10.0µL
 Acquisition Method: 1633 2022-12-13.dam

Quant Method: 1633 - 2022-12-15A
 Path: S2022-12-15B (2)
 Acquired: 2022/12/15 - 15:06

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (ΔRT-I[min], ΔRT-CV[min], ΔRT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|-----------------|------------------------------|--|--------|-------------------------------------|---------------------------------|---------------------------|-----------------------|----------------------------|------|
| D3_MeFOSAA_EIS | (573.0 / 419.0) 294766 | (9.51 , N/A) (N/A , -0.03 , N/A) | 351.5 | N/A | 3.9373 [4.0000] | 98.4% { 98.6% } | | | |
| D5_EtFOSAA_EIS | (589.0 / 419.0) 270793 | (9.69 , N/A) (N/A , -0.02 , N/A) | 425.5 | N/A | 4.3522 [4.0000] | 108.8% { 99.8% } | | | |
| D7_NMeFOSE_EIS | (623.2 / 58.9) 530664 | (10.58 , N/A) (N/A , -0.01 , N/A) | 793.7 | N/A | 23.8412 [20.0000] | 119.2% { 105.7% } | | | |
| D9_NEtFOSE_EIS | (639.2 / 58.9) 273859 | (10.68 , N/A) (N/A , -0.01 , N/A) | 1167.8 | N/A | 22.8483 [20.0000] | 114.2% { 98.3% } | | | |
| 13C3_HFPODA_EIS | (287.0 / 169.0) 772196 | (6.50 , N/A) (N/A , -0.04 , N/A) | 812.2 | N/A | 8.1885 [8.0000] | 102.4% { 97.4% } | | | |

LOW-CONCENTRATION CALIBRATION VERIFICATIONW

Table B-15W

Laboratory:WAPPL, L CL

SDG:W

Client:WTidewater, Inc.L

Project:WNASA JPL SIL

Calibration:W2251019L

Laboratory ID:WSB03860-LCV1L

Sequence:WSB03860L

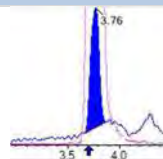
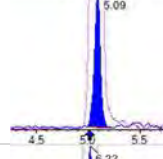
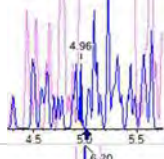
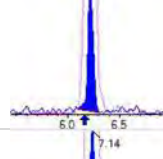
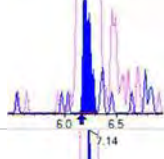
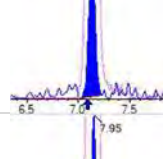
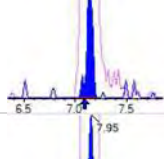
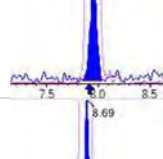
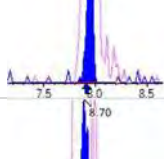
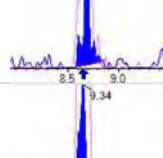
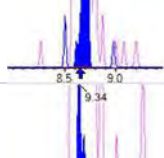
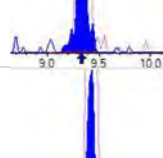
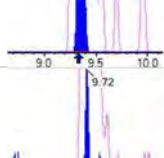
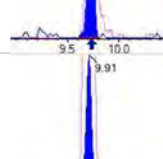
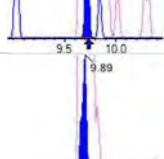
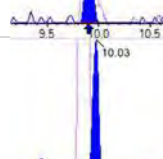
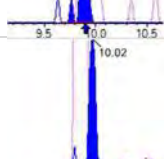
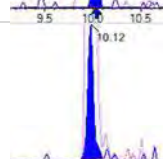
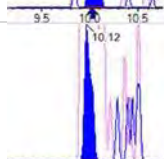
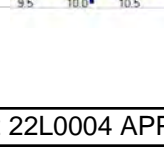
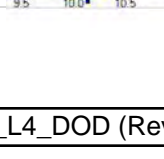
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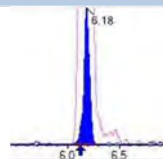
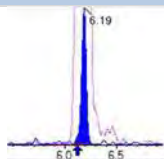
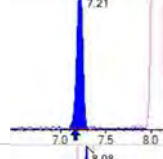
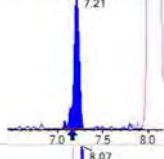
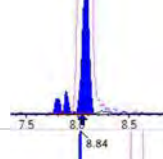
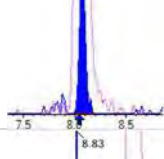
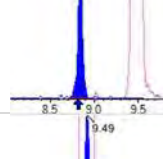
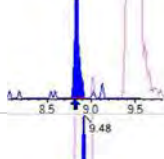
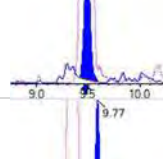
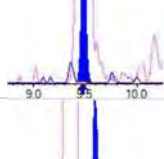
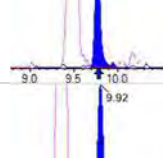
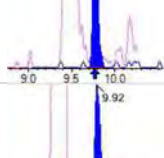
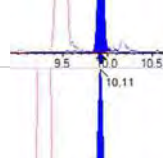
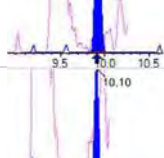
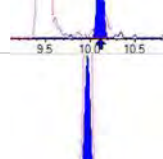
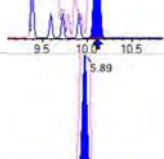
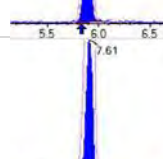
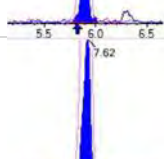
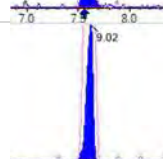
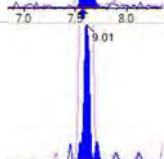
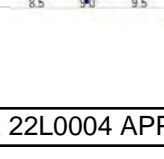
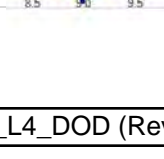
| ANALYTEW | EXPECTEDW (ng/mL)W | FOUNDW (ng/mL)W | % DRIFTW | QC LIMITW |
|-----------|-----------------------|--------------------|----------|-----------|
| PFBAL | 0.400L | 0.364L | -8.9L | 30.00L |
| PFPEAL | 0.200L | 0.183L | -8.3L | 30.00L |
| PFHXAL | 0.100L | 0.119L | 19.3L | 30.00L |
| PFHPAL | 0.100L | 0.114L | 14.2L | 30.00L |
| PFOAL | 0.100L | 0.126L | 25.6L | 30.00L |
| PFNAL | 0.100L | 0.113L | 13.3L | 30.00L |
| PFDAL | 0.100L | 0.194L | 93.7L * | 30.00L |
| PFUnAL | 0.100L | 0.121L | 20.6L | 30.00L |
| PFDOAL | 0.100L | 0.0661L | -33.9L * | 30.00L |
| PFTRDAL | 0.100L | 0.0921L | -7.9L | 30.00L |
| PFTEDAL | 0.100L | 0.0701L | -29.9L | 30.00L |
| PFBSL | 0.0885L | 0.0971L | 9.7L | 30.00L |
| PFPESL | 0.0940L | 0.0922L | -1.9L | 30.00L |
| PFHXSL | 0.0915L | 0.0877L | -4.2L | 30.00L |
| PFHPSL | 0.0955L | 0.109L | 14.6L | 30.00L |
| PFOSL | 0.0930L | 0.0816L | -12.3L | 30.00L |
| PFNSL | 0.0960L | 0.0896L | -6.7L | 30.00L |
| PFDSL | 0.0965L | 0.104L | 7.7L | 30.00L |
| 4:2FTSL | 0.375L | 0.372L | -0.9L | 30.00L |
| 6:2FTSL | 0.380L | 0.385L | 1.4L | 30.00L |
| 8:2FTSL | 0.384L | 0.449L | 17.0L | 30.00L |
| PFOSAL | 0.100L | 0.0889L | -11.1L | 30.00L |
| NMeFOSAL | 0.400L | 0.448L | 11.9L | 30.00L |
| NEtFOSAL | 0.400L | 0.422L | 5.5L | 30.00L |
| NMeFOSAAL | 0.100L | 0.128L | 28.5L | 30.00L |
| NEtFOSAAL | 0.100L | 0.124L | 24.2L | 30.00L |
| NMeFOSEL | 0.400L | 0.458L | 14.6L | 30.00L |
| NEtFOSEL | 0.400L | 0.433L | 8.4L | 30.00L |

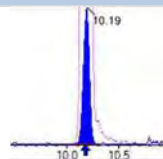
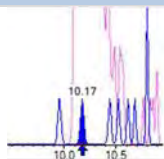
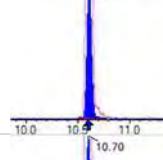
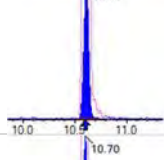
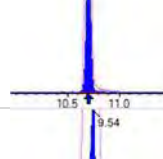
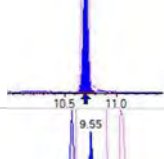
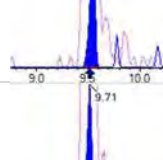
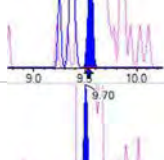
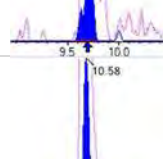
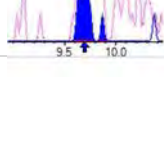
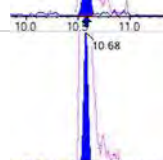
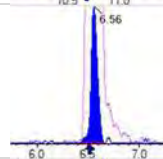
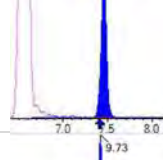
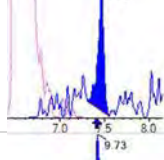
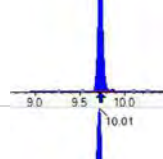
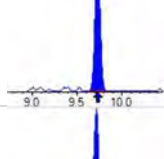
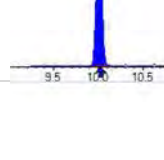
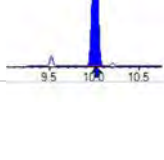
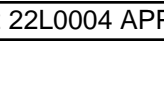
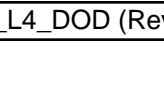
LOW-CONCENTRATION CALIBRATION VERIFICATIONW**Table B-15W****Laboratory:**WAPPL, L CL**SDG:**W**Client:**WTidewater, Inc.L**Project:**WNASA JPL SIL**Calibration:**W2251019L**Laboratory ID:**WSB03860-LCV1L**Sequence:**WSB03860L**Standard ID:**W22L0300L

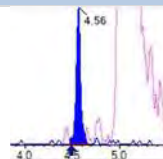
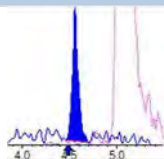
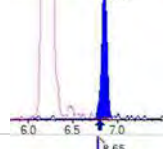
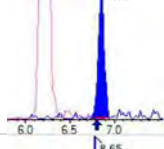
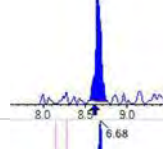
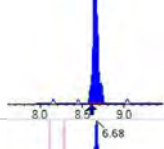
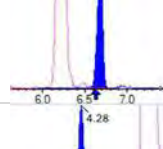
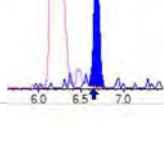
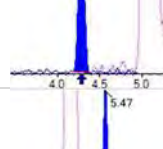
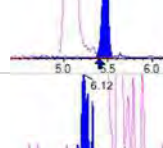
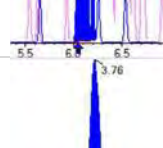
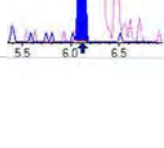
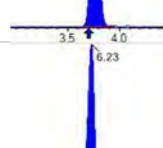
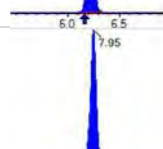
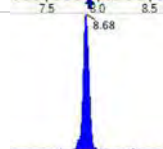
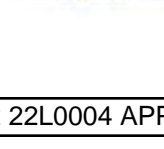
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|---------------|--------|--------|----------|--------|
| HFPO-DAL | 0.200L | 0.274L | 36.8L *L | 30.00L |
| ADONAL | 0.189L | 0.212L | 12.1L | 30.00L |
| 9CL-PF3ONSL | 0.187L | 0.217L | 15.9L | 30.00L |
| 11CL-PF3OUDSL | 0.189L | 0.177L | -6.4L | 30.00L |

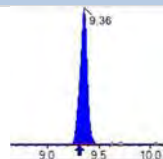
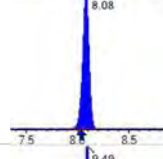
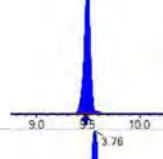
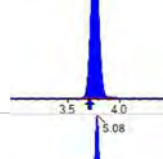
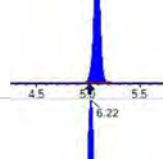
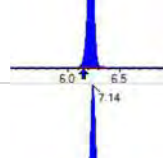
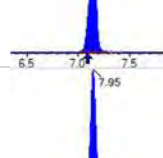
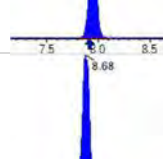
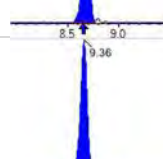
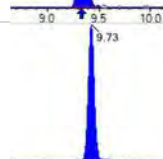

* Values outside of QC limitsL

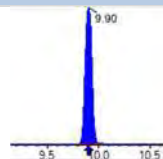
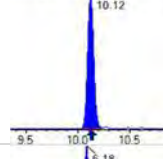
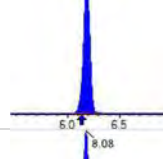
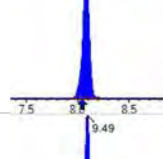
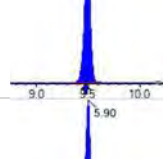
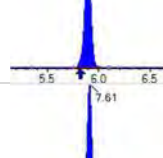
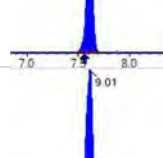
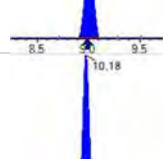
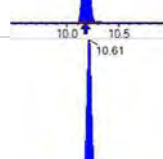
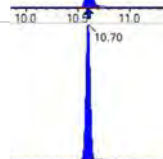
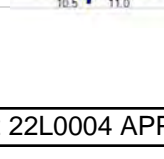
| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|---------|---|--|-------------------|-------------------------------------|---------------------------------|---------------------------|---|---|---------|
| PFBA | (212.9 / 169.0) 20236 | (3.76, 1.00) (0.00, N/A, 0.0) | 31.3 | N/A 0.0 0.0 | 0.3642 [0.4000] | 91.1% |  | | |
| PFPeA | (262.9 / 219.0) 16203 (262.9 / 69.0) 29 | (5.09, 1.00) (0.01, N/A, 7.9) | 152.0 3.7 | 0.0018 2084.0 14.6 | 0.1833 [0.2000] | 91.7% |  |  | |
| PFHxA | (313.0 / 269.0) 15944 (313.0 / 119.0) 1487 | (6.22, 1.00) (0.00, N/A, 0.8) | 82.1 28.8 | 0.0932 95.1 96.1 | 0.1193 [0.1000] | 119.3% |  |  | |
| PFHpA | (363.0 / 319.0) 13457 (363.0 / 169.0) 5095 | (7.14, 1.00) (-0.01, N/A, -0.3) | 46.2 67.7 | 0.3786 121.2 136.2 | 0.1142 [0.1000] | 114.2% |  |  | |
| PFOA | (413.0 / 369.0) 15734 (413.0 / 169.0) 4891 | (7.95, 1.00) (0.01, N/A, 0.1) | 62.2 95.6 | 0.3108 92.3 97.5 | 0.1256 [0.1000] | 125.6% |  |  | |
| PFNA | (463.0 / 419.0) 9613 (463.0 / 169.0) 2450 | (8.69, 1.00) (0.01, N/A, -0.7) | 43.3 21.4 | 0.2549 127.0 124.6 | 0.1133 [0.1000] | 113.3% |  |  | |
| PFDA | (513.0 / 469.0) 19914 (513.0 / 169.0) 828 | (9.34, 1.00) (-0.02, N/A, -0.1) | 51.3 678.9 | 0.0416 52.3 45.7 | 0.1937 [0.1000] | 193.7% |  |  | QC,IR1, |
| PFUnA | (563.0 / 519.0) 16840 (563.0 / 169.0) 796 | (9.73, 1.00) (0.00, N/A, 0.5) | 92.6 117.0 | 0.0473 42.2 55.1 | 0.1206 [0.1000] | 120.6% |  |  | IR1, |
| PFDoA | (613.0 / 569.0) 11603 (613.0 / 169.0) 2764 | (9.91, 1.00) (0.00, N/A, 0.9) | 467064.3 198.1 | 0.2382 189.7 194.7 | 0.0661 [0.1000] | 66.1% |  |  | QC,IR2, |
| PFTrDA | (663.0 / 619.0) 13350 (663.0 / 169.0) 6036 | (10.03, 1.01) (N/A, 0.02, 0.3) | 87.1 87.7 | 0.4521 216.3 198.3 | 0.0921 [0.1000] | 92.1% |  |  | IR2, |
| PFTeDA | (713.0 / 669.0) 9812 (713.0 / 169.0) 1253 | (10.12, 1.00) (0.00, N/A, 0.1) | 74.6 17.6 | 0.1277 56.3 71.7 | 0.0701 [0.1000] | 70.1% |  |  | |

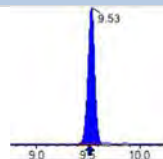
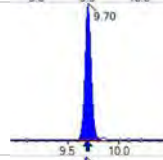
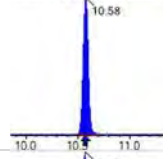
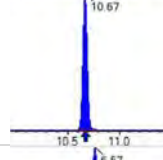
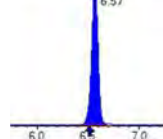
| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|---------|---|--|----------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| PFBS | (298.9 / 80.0) 18959 (298.9 / 99.0) 12820 | (6.18, 1.00) (0.00, N/A, -0.2) | 277.2 164.6 | 0.6762 99.4 101.8 | 0.0971 [0.0885] | 109.8% |  |  | |
| PFPeS | (349.0 / 80.0) 34072 (349.0 / 99.0) 13897 | (7.21, 0.89) (N/A, 0.08, 0.1) | 233.8 144.1 | 0.4079 109.2 119.2 | 0.0922 [0.0938] | 98.3% |  |  | |
| PFHxS | (399.0 / 80.0) 27454 (399.0 / 99.0) 8612 | (8.08, 1.00) (0.00, N/A, 0.3) | 414.5 560.5 | 0.3137 91.5 94.8 | 0.0877 [0.0911] | 96.2% |  |  | |
| PFHpS | (449.0 / 80.0) 29320 (449.0 / 99.0) 6613 | (8.84, 0.93) (N/A, 0.07, 0.4) | 232.7 86.5 | 0.2255 76.9 82.8 | 0.1094 [0.0951] | 115.0% |  |  | |
| PFOS | (499.0 / 80.0) 27113 (499.0 / 99.0) 8998 | (9.49, 1.00) (0.00, N/A, 0.3) | 66.4 77.3 | 0.3319 145.2 153.0 | 0.0816 [0.0927] | 88.0% |  |  | IR2, |
| PFNS | (549.0 / 80.0) 34232 (549.0 / 99.0) 11244 | (9.77, 1.03) (N/A, 0.02, 0.0) | 136.8 78.3 | 0.3285 131.6 124.6 | 0.0896 [0.0960] | 93.3% |  |  | |
| PFDS | (599.0 / 80.0) 49001 (599.0 / 99.0) 10605 | (9.92, 1.05) (N/A, 0.02, 0.1) | 233.8 236.6 | 0.2164 84.9 99.1 | 0.1039 [0.0963] | 107.9% |  |  | |
| PFDoS | (698.9 / 80.0) 21873 (698.9 / 99.0) 2855 | (10.11, 1.07) (N/A, 0.02, 0.6) | 143.2 52.9 | 0.1305 63.5 55.3 | 0.0889 [0.0970] | 91.7% |  |  | |
| 4:2FTS | (327.0 / 307.0) 26287 (327.0 / 81.0) 17447 | (5.89, 1.00) (-0.01, N/A, -0.1) | 357.0 126.2 | 0.6637 132.8 112.6 | 0.3718 [0.3738] | 99.5% |  |  | |
| 6:2FTS | (427.0 / 407.0) 16976 (427.0 / 81.0) 14204 | (7.61, 1.00) (0.00, N/A, -0.5) | 169.1 139.9 | 0.8367 116.8 120.2 | 0.3852 [0.3796] | 101.5% |  |  | |
| 8:2FTS | (527.0 / 507.0) 12505 (527.0 / 81.0) 8366 | (9.02, 1.00) (0.01, N/A, 0.2) | 80.0 92.3 | 0.6690 95.1 105.3 | 0.4492 [0.3833] | 117.2% |  |  | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|--------------|---|--|-----------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| PFOSA | (498.0 / 78.0) 40924 (498.0 / 478.0) 303 | (10.19, 1.00) (0.01, N/A, 0.7) | 158.9 10.2 | 0.0074 31.4 31.9 | 0.0889 [0.1000] | 88.9% |  |  | |
| NMeFOSA | (511.9 / 219.0) 44091 (511.9 / 169.0) 27270 | (10.61, 1.00) (0.00, N/A, -0.1) | 459.3 515.8 | 0.6185 88.7 91.5 | 0.4475 [0.4000] | 111.9% |  |  | |
| NEtFOSA | (526.0 / 219.0) 48472 (526.0 / 169.0) 47380 | (10.70, 1.00) (0.00, N/A, 0.0) | 673.0 402.5 | 0.9775 86.8 93.3 | 0.4220 [0.4000] | 105.5% |  |  | |
| NMeFOSAA | (570.0 / 419.0) 5983 (570.0 / 483.0) 1081 | (9.54, 1.00) (0.01, N/A, -0.7) | 259.3 61.1 | 0.1807 38.5 29.2 | 0.1285 [0.1000] | 128.5% |  |  | IR1, |
| NEtFOSAA | (584.0 / 419.0) 7415 (584.0 / 526.0) 3190 | (9.71, 1.00) (0.02, N/A, 0.5) | 545.6 1292.4 | 0.4302 55.9 65.3 | 0.1242 [0.1000] | 124.2% |  |  | |
| NMeFOSE | (616.1 / 59.0) 14317 | (10.58, 1.00) (0.00, N/A, 0.0) | 127.3 | N/A 0.0 0.0 | 0.4585 [0.4000] | 114.6% |  | | |
| NEtFOSE | (630.0 / 59.0) 3708 | (10.68, 1.00) (0.01, N/A, 0.0) | 107.1 | N/A 0.0 0.0 | 0.4334 [0.4000] | 108.4% |  | | |
| HFPO-DA | (285.0 / 169.0) 15258 (285.0 / 185.0) 29094 | (6.56, 1.00) (-0.01, N/A, -0.5) | 24.0 259.2 | 1.9068 74.8 69.1 | 0.2736 [0.2000] | 136.8% |  |  | QC, |
| ADONA | (377.0 / 85.0) 48963 (377.0 / 251.0) 4154 | (7.46, 1.14) (N/A, 0.08, -0.3) | 388.6 24.2 | 0.0848 67.6 65.2 | 0.2118 [0.1885] | 112.3% |  |  | |
| 9CI-Pf3ONS | (531.0 / 351.0) 142046 (533.0 / 353.0) 36543 | (9.73, 1.48) (N/A, 0.02, -0.2) | 300.4 134.6 | 0.2573 81.2 82.1 | 0.2167 [0.1867] | 116.1% |  |  | |
| 11CI-PF3OUDS | (631.0 / 451.0) 76395 (633.0 / 453.0) 27271 | (10.01, 1.52) (N/A, 0.02, -0.1) | 679.9 566.5 | 0.3570 122.0 116.7 | 0.1768 [0.1886] | 93.7% |  |  | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|----------------|--|--|---------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| 3:3FTCA | (241.0 / 177.0) 1186 (241.0 / 117.0) 2896 | (4.56, 0.90) (N/A, 0.10, 0.5) | 96.9 48.4 | 2.4425 0.2 146.8 | 0.3127 [0.4000] | 78.2% |  |  | IR1, |
| 5:3FTCA | (341.0 / 236.7) 10916 (341.0 / 217.0) 18217 | (6.86, 1.10) (N/A, 0.09, 0.1) | 136.6 82.5 | 1.6689 105.6 104.6 | 0.4010 [0.4000] | 100.3% |  |  | |
| 7:3FTCA | (441.0 / 317.0) 15681 (441.0 / 337.0) 11964 | (8.65, 1.39) (N/A, 0.07, -0.1) | 49.7 253.7 | 0.7630 93.8 85.6 | 0.5104 [0.4000] | 127.6% |  |  | |
| PFEESA | (315.0 / 135.0) 25162 (315.0 / 83.0) 7769 | (6.68, 1.07) (N/A, 0.09, 0.0) | 300.4 62.4 | 0.3088 109.2 112.2 | 0.1833 [0.1785] | 102.7% |  |  | |
| PFMPA | (229.0 / 85.0) 4191 | (4.28, 0.84) (N/A, 0.09, 0.0) | 154.1 | N/A 0.0 0.0 | 0.1757 [0.2000] | 87.8% |  | | |
| PFMBA | (279.0 / 85.0) 14456 | (5.47, 1.08) (N/A, 0.10, 0.0) | 417.5 | N/A 0.0 0.0 | 0.1856 [0.2000] | 92.8% |  | | |
| NFDHA | (201.0 / 85.0) 772 (295.0 / 201.0) 2631 | (6.12, 0.98) (N/A, 0.11, 0.0) | 24.8 79.5 | 3.4055 0.4 42.7 | 0.1770 [0.2000] | 88.5% |  |  | IR1, |
| 13C3_PFBA_IIS | (216.0 / 172.0) 76891 | (3.76, N/A) (N/A, 0.08, N/A) | 780.3 | N/A | 0.8795 [1.0000] | 87.9% {92.4%} |  | | |
| 13C2_PFHxA_IIS | (315.1 / 270.0) 113665 | (6.23, N/A) (N/A, 0.09, N/A) | 631.1 | N/A | 0.8639 [1.0000] | 86.4% {86.1%} |  | | |
| 13C4_PFOA_IIS | (417.0 / 372.0) 114179 | (7.95, N/A) (N/A, 0.08, N/A) | 537.7 | N/A | 0.9122 [1.0000] | 91.2% {93.2%} |  | | |
| 13C5_PFNA_IIS | (468.0 / 423.0) 92587 | (8.68, N/A) (N/A, 0.06, N/A) | 514.2 | N/A | 0.9276 [1.0000] | 92.8% {96.2%} |  | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|----------------|------------------------------|--|-------|-------------------------------------|---------------------------------|---------------------------|---|----------------------------|------|
| 13C2_PFDA_IIS | (515.1 / 470.1) 90467 | (9.36, N/A) (N/A, 0.06, N/A) | 302.2 | N/A | 0.8724 [1.0000] | 87.2% { 90.6% } |  | | |
| 18O2_PFHxS_IIS | (403.0 / 83.9) 208137 | (8.08, N/A) (N/A, 0.08, N/A) | 837.5 | N/A | 0.8798 [1.0000] | 88.0% { 93.7% } |  | | |
| 13C4_PFOS_IIS | (502.8 / 79.9) 180765 | (9.49, N/A) (N/A, 0.05, N/A) | 424.5 | N/A | 0.9010 [1.0000] | 90.1% { 91.4% } |  | | |
| 13C4_PFBA_EIS | (217.0 / 172.0) 669175 | (3.76, N/A) (N/A, 0.08, N/A) | 847.6 | N/A | 8.4060 [8.0000] | 105.1% { 99.6% } |  | | |
| 13C5_PFPeA_EIS | (267.9 / 223.0) 390531 | (5.08, N/A) (N/A, 0.10, N/A) | 978.7 | N/A | 4.6669 [4.0000] | 116.7% { 102.6% } |  | | |
| 13C5_PFHxA_EIS | (318.0 / 273.0) 294694 | (6.22, N/A) (N/A, 0.09, N/A) | 852.6 | N/A | 2.2024 [2.0000] | 110.1% { 103.4% } |  | | |
| 13C4_PFHpA_EIS | (367.0 / 322.0) 260930 | (7.14, N/A) (N/A, 0.09, N/A) | 561.4 | N/A | 2.2072 [2.0000] | 110.4% { 99.8% } |  | | |
| 13C8_PFOA_EIS | (421.0 / 376.0) 264428 | (7.95, N/A) (N/A, 0.07, N/A) | 635.2 | N/A | 2.0959 [2.0000] | 104.8% { 104.9% } |  | | |
| 13C9_PFNA_EIS | (472.0 / 427.0) 100424 | (8.68, N/A) (N/A, 0.07, N/A) | 432.4 | N/A | 0.9930 [1.0000] | 99.3% { 106.5% } |  | | |
| 13C6_PFDA_EIS | (519.0 / 474.0) 111510 | (9.36, N/A) (N/A, 0.06, N/A) | 240.9 | N/A | 0.9096 [1.0000] | 91.0% { 85.4% } |  | | |
| 13C7_PFUnA_EIS | (570.0 / 525.0) 187286 | (9.73, N/A) (N/A, 0.03, N/A) | 290.8 | N/A | 1.0611 [1.0000] | 106.1% { 125.2% } |  | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|-----------------|------------------------------|--|--------|-------------------------------------|---------------------------------|---------------------------|---|----------------------------|------|
| 13C2_PFDa_EIS | (615.0 / 570.0) 219230 | (9.90, N/A) (N/A, 0.03, N/A) | 514.6 | N/A | 1.1014 [1.0000] | 110.1% { 90.6% } |  | | |
| 13C2_PFTeDA_EIS | (715.0 / 670.0) 146311 | (10.12, N/A) (N/A, 0.01, N/A) | 296.4 | N/A | 1.2094 [1.0000] | 120.9% { 110.4% } |  | | |
| 13C3_PFBs_EIS | (302.0 / 80.0) 714849 | (6.18, N/A) (N/A, 0.09, N/A) | 816.8 | N/A | 2.1029 [2.0000] | 105.1% { 96.0% } |  | | |
| 13C3_PFHxS_EIS | (402.0 / 80.0) 393789 | (8.08, N/A) (N/A, 0.08, N/A) | 775.5 | N/A | 2.2338 [2.0000] | 111.7% { 109.3% } |  | | |
| 13C8_PFOS_EIS | (507.0 / 80.0) 604627 | (9.49, N/A) (N/A, 0.05, N/A) | 449.4 | N/A | 2.0362 [2.0000] | 101.8% { 97.5% } |  | | |
| 13C2_4:2FTS_EIS | (329.0 / 81.0) 88678 | (5.90, N/A) (N/A, 0.09, N/A) | 529.3 | N/A | 4.6264 [4.0000] | 115.7% { 97.2% } |  | | |
| 13C2_6:2FTS_EIS | (429.0 / 81.0) 114179 | (7.61, N/A) (N/A, 0.08, N/A) | 811.7 | N/A | 4.6482 [4.0000] | 116.2% { 102.9% } |  | | |
| 13C2_8:2FTS_EIS | (529.0 / 81.0) 75976 | (9.01, N/A) (N/A, 0.06, N/A) | 317.3 | N/A | 3.4500 [4.0000] | 86.2% { 71.2% } |  | | |
| 13C8_PFOsa_EIS | (506.0 / 78.0) 925243 | (10.18, N/A) (N/A, 0.02, N/A) | 699.2 | N/A | 2.1410 [2.0000] | 107.1% { 101.2% } |  | | |
| D3_NMeFOSA_EIS | (515.0 / 169.0) 246957 | (10.61, N/A) (N/A, 0.01, N/A) | 825.8 | N/A | 2.2939 [2.0000] | 114.7% { 102.4% } |  | | |
| D5_NEtFOSA_EIS | (531.1 / 169.0) 251894 | (10.70, N/A) (N/A, 0.01, N/A) | 1199.9 | N/A | 2.5056 [2.0000] | 125.3% { 107.2% } |  | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-I[μ min], Δ RT- CV[μ min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|-----------------|------------------------------|---|--------|-------------------------------------|---------------------------------|---------------------------|--|----------------------------|------|
| D3_MeFOSAA_EIS | (573.0 / 419.0) 257010 | (9.53, N/A) (N/A, 0.05, N/A) | 377.6 | N/A | 3.6898 [4.0000] | 92.2% { 93.6% } |  | | |
| D5_EtFOSAA_EIS | (589.0 / 419.0) 265009 | (9.70, N/A) (N/A, 0.03, N/A) | 443.2 | N/A | 4.5778 [4.0000] | 114.4% { 109.4% } |  | | |
| D7_NMeFOSE_EIS | (623.2 / 58.9) 490458 | (10.58, N/A) (N/A, 0.01, N/A) | 833.8 | N/A | 23.6832 [20.0000] | 118.4% { 106.6% } |  | | |
| D9_NEtFOSE_EIS | (639.2 / 58.9) 268015 | (10.67, N/A) (N/A, 0.01, N/A) | 1193.8 | N/A | 24.0334 [20.0000] | 120.2% { 98.8% } |  | | |
| 13C3_HFPODA_EIS | (287.0 / 169.0) 730148 | (6.57, N/A) (N/A, 0.09, N/A) | 800.8 | N/A | 8.9624 [8.0000] | 112.0% { 102.3% } |  | | |

LOW-CONCENTRATION CALIBRATION VERIFICATIONW

Table B-15W

Laboratory:WAPPL, L CL

SDG:W

Client:WTidewater, Inc.L

Project:WNASA JPL SIL

Calibration:W2253011L

Laboratory ID:WSB04003-LCV1L

Sequence:WSB04003L

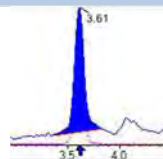
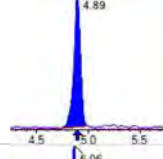
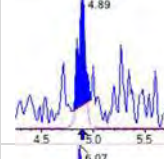
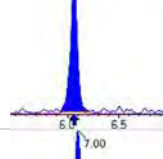
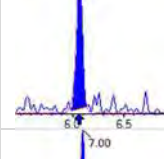
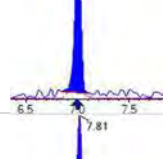
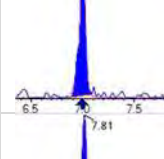
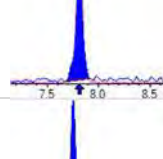
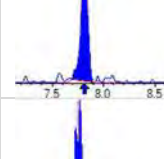
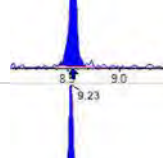
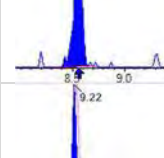
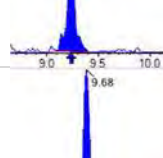
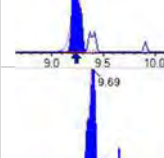
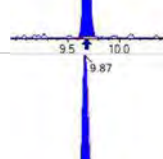
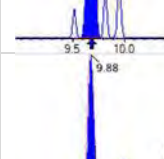
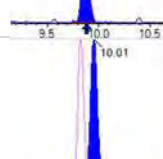
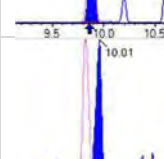
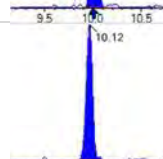
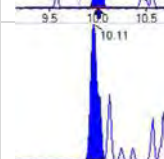
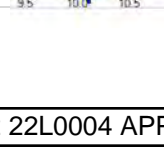
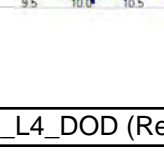
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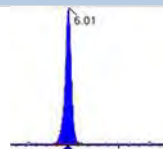
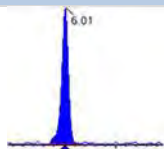
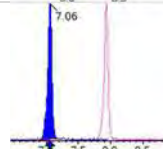
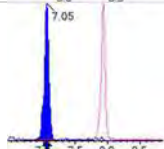
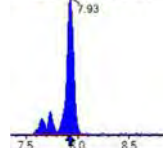
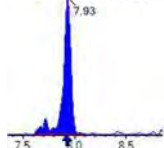
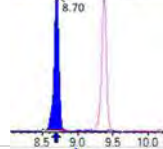
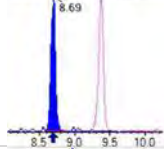
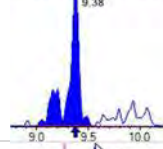
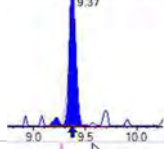
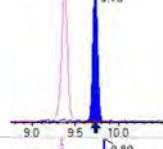
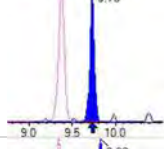
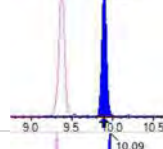
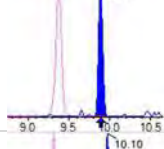
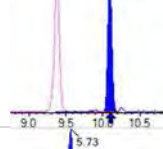
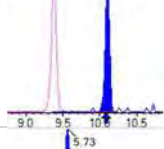
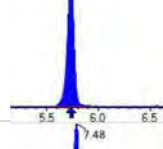
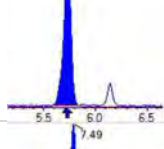
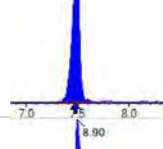
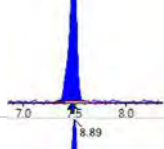
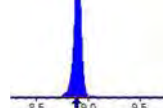
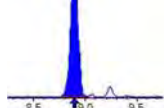
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|-----------|-----------------------|--------------------|----------|-----------|
| PFBAL | 0.400L | 0.430L | 7.4L | 30.00L |
| PFPEAL | 0.200L | 0.184L | -7.9L | 30.00L |
| PFHXAL | 0.100L | 0.0934L | -6.6L | 30.00L |
| PFHPAL | 0.100L | 0.0878L | -12.2L | 30.00L |
| PFOAL | 0.100L | 0.0950L | -5.0L | 30.00L |
| PFNAL | 0.100L | 0.0902L | -9.8L | 30.00L |
| PFDAL | 0.100L | 0.106L | 6.3L | 30.00L |
| PFUnAL | 0.100L | 0.0903L | -9.7L | 30.00L |
| PFDOAL | 0.100L | 0.102L | 2.0L | 30.00L |
| PFTRDAL | 0.100L | 0.115L | 14.5L | 30.00L |
| PFTEDAL | 0.100L | 0.0740L | -26.0L | 30.00L |
| PFBSL | 0.0885L | 0.0778L | -12.1L | 30.00L |
| PFPESL | 0.0940L | 0.0909L | -3.3L | 30.00L |
| PFHXSL | 0.0915L | 0.0909L | -0.7L | 30.00L |
| PFHPSL | 0.0955L | 0.0803L | -15.9L | 30.00L |
| PFOSL | 0.0930L | 0.0912L | -2.0L | 30.00L |
| PFNSL | 0.0960L | 0.0978L | 1.9L | 30.00L |
| PFDSL | 0.0965L | 0.0882L | -8.6L | 30.00L |
| 4:2FTSL | 0.375L | 0.421L | 12.4L | 30.00L |
| 6:2FTSL | 0.380L | 0.394L | 3.6L | 30.00L |
| 8:2FTSL | 0.384L | 0.318L | -17.1L | 30.00L |
| PFOSAL | 0.100L | 0.0990L | -1.0L | 30.00L |
| NMeFOSAL | 0.400L | 0.374L | -6.6L | 30.00L |
| NEtFOSAL | 0.400L | 0.371L | -7.3L | 30.00L |
| NMeFOSAAL | 0.100L | 0.126L | 26.5L | 30.00L |
| NEtFOSAAL | 0.100L | 0.114L | 14.3L | 30.00L |
| NMeFOSEL | 0.400L | 0.385L | -3.9L | 30.00L |
| NEtFOSEL | 0.400L | 0.376L | -5.9L | 30.00L |

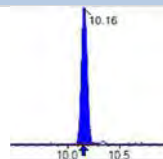
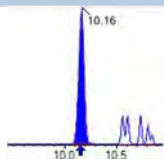
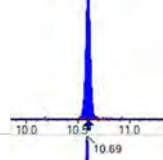
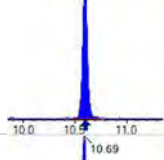
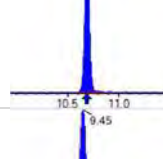
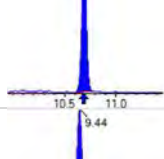
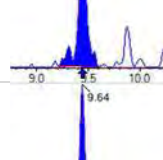
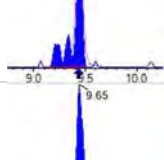
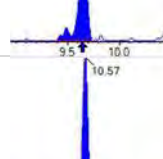
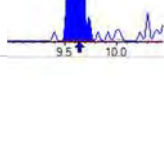
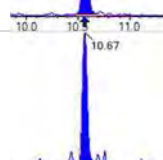
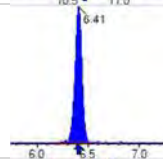
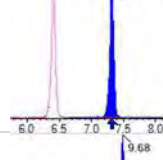
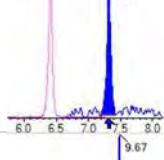

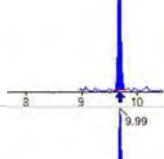
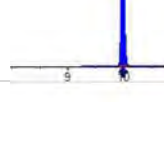
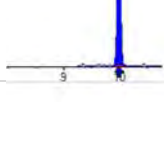
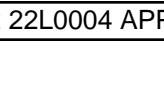
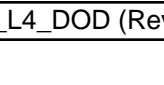
LOW-CONCENTRATION CALIBRATION VERIFICATIONW**Table B-15W****Laboratory:**WAPPL, L CL**SDG:**W**Client:**WTidewater, Inc.L**Project:**WNASA JPL SIL**Calibration:**W2253011L**Laboratory ID:**WSB04003-LCV1L**Sequence:**WSB04003L**Standard ID:**W22L0444L

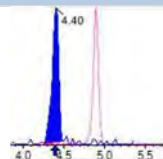
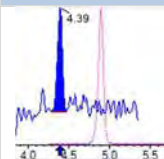
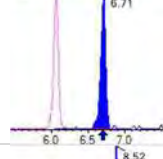
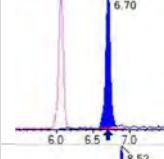
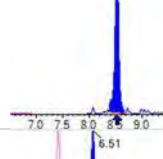
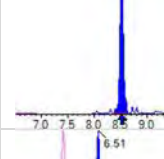
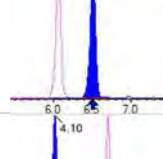
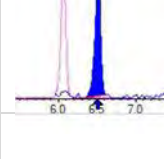
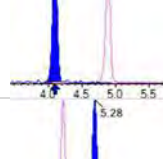
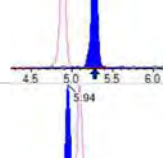
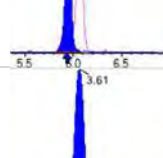
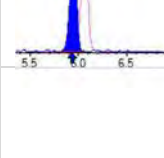
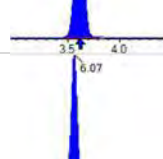
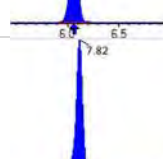
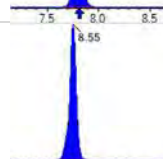
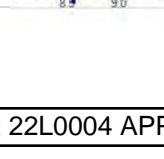
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|---------------|--------|--------|--------|--------|
| HFPO-DAL | 0.200L | 0.175L | -12.5L | 30.00L |
| ADONAL | 0.189L | 0.198L | 4.8L | 30.00L |
| 9CL-PF3ONSL | 0.187L | 0.166L | -11.3L | 30.00L |
| 11CL-PF3OUDSL | 0.189L | 0.214L | 13.1L | 30.00L |

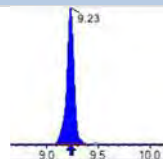
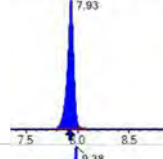
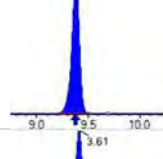
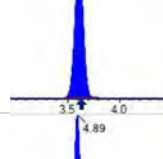
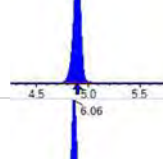
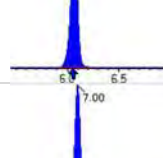
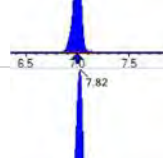
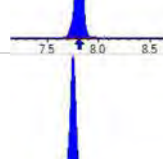
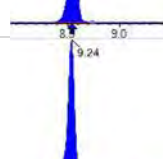
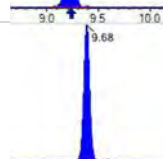
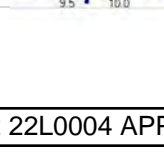
* Values outside of QC limitsL

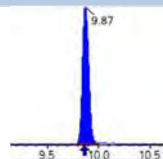
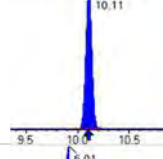
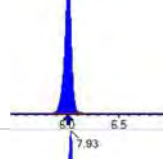
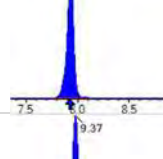
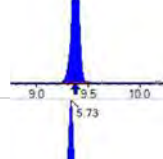
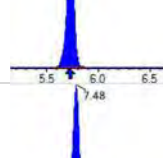
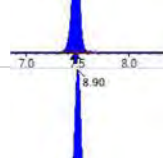
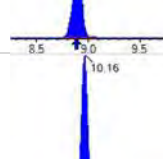
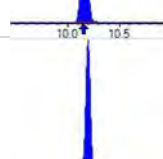
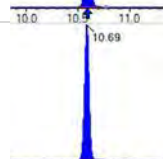
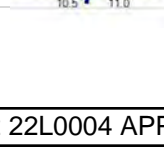
| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|---------|--|--|---------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| PFBA | (213.0 / 169.0) 97481 | (3.61, 1.00) (0.00, N/A, 0.0) | 114.2 | N/A 0.0 0.0 | 0.4298 [0.4000] | 107.4% |  | | |
| PFPeA | (263.0 / 219.0) 60376 (263.0 / 69.0) 583 | (4.89, 1.00) (0.00, N/A, 0.4) | 205.3 11.3 | 0.0097 93.4 83.5 | 0.1842 [0.2000] | 92.1% |  |  | |
| PFHxA | (313.0 / 269.0) 42530 (313.0 / 119.0) 3800 | (6.06, 1.00) (0.00, N/A, -0.5) | 112.5 36.6 | 0.0894 91.8 98.6 | 0.0934 [0.1000] | 93.4% |  |  | |
| PFHpA | (363.0 / 319.0) 35614 (363.0 / 169.0) 13297 | (7.00, 1.00) (0.00, N/A, 0.1) | 69.6 73.4 | 0.3734 130.5 136.7 | 0.0878 [0.1000] | 87.8% |  |  | |
| PFOA | (413.0 / 369.0) 42054 (413.0 / 169.0) 11061 | (7.81, 1.00) (0.00, N/A, 0.1) | 114.0 85.8 | 0.2630 86.6 86.1 | 0.0950 [0.1000] | 95.0% |  |  | |
| PFNA | (463.0 / 419.0) 26630 (463.0 / 169.0) 6809 | (8.55, 1.00) (0.00, N/A, -0.2) | 101.6 83.2 | 0.2557 120.8 119.8 | 0.0902 [0.1000] | 90.2% |  |  | |
| PFDA | (513.0 / 469.0) 49003 (513.0 / 169.0) 6682 | (9.23, 1.00) (0.00, N/A, 1.0) | 94.8 142.9 | 0.1363 147.9 143.1 | 0.1063 [0.1000] | 106.3% |  |  | |
| PFUnA | (563.0 / 519.0) 49172 (563.0 / 169.0) 3211 | (9.68, 1.00) (0.00, N/A, -0.5) | 125.8 30.1 | 0.0653 84.9 67.9 | 0.0903 [0.1000] | 90.3% |  |  | |
| PFDoA | (613.0 / 569.0) 61844 (613.0 / 169.0) 4017 | (9.87, 1.00) (0.00, N/A, -0.6) | 179.3 75.1 | 0.0650 48.2 50.8 | 0.1020 [0.1000] | 102.0% |  |  | IR1, |
| PFTrDA | (663.0 / 619.0) 60570 (663.0 / 169.0) 8986 | (10.01, 1.01) (N/A, 0.01, -0.1) | 180.8 84.0 | 0.1484 68.1 81.3 | 0.1145 [0.1000] | 114.5% |  |  | |
| PFTeDA | (713.0 / 669.0) 35019 (713.0 / 169.0) 6566 | (10.12, 1.00) (0.01, N/A, 0.6) | 195.7 22.4 | 0.1875 95.0 78.8 | 0.0740 [0.1000] | 74.0% |  |  | |

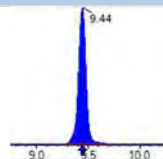
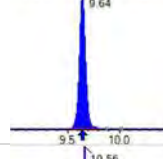
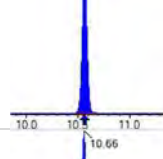
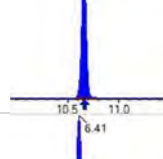
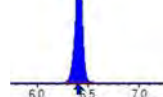
| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|---------|--|--|----------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| PFBS | (299.0 / 80.0) 55049 (299.0 / 99.0) 35550 | (6.01, 1.00) (0.00, N/A, 0.1) | 299.8 175.8 | 0.6458 98.3 100.7 | 0.0778 [0.0885] | 87.9% |  |  | |
| PFPeS | (349.0 / 80.0) 102961 (349.0 / 99.0) 32991 | (7.06, 0.89) (N/A, 0.01, 0.3) | 300.4 182.3 | 0.3204 86.4 90.3 | 0.0909 [0.0938] | 96.9% |  |  | |
| PFHxS | (399.0 / 80.0) 90634 (399.0 / 99.0) 29615 | (7.93, 1.00) (0.00, N/A, -0.1) | 354.6 211.8 | 0.3267 100.2 102.0 | 0.0909 [0.0911] | 99.7% |  |  | |
| PFHpS | (449.0 / 80.0) 69794 (449.0 / 99.0) 22052 | (8.70, 0.93) (N/A, 0.00, 0.3) | 286.3 146.2 | 0.3160 121.2 111.7 | 0.0803 [0.0951] | 84.4% |  |  | |
| PFOS | (499.0 / 80.0) 91136 (499.0 / 99.0) 24377 | (9.38, 1.00) (0.00, N/A, 0.1) | 98.7 157.7 | 0.2675 128.6 117.3 | 0.0912 [0.0927] | 98.3% |  |  | |
| PFNS | (549.0 / 80.0) 110875 (549.0 / 99.0) 17829 | (9.73, 1.04) (N/A, 0.00, 0.0) | 244.7 117.1 | 0.1608 67.6 69.5 | 0.0978 [0.0960] | 101.9% |  |  | |
| PFDS | (599.0 / 80.0) 120814 (599.0 / 99.0) 32335 | (9.89, 1.06) (N/A, 0.01, 0.5) | 295.3 123.3 | 0.2676 101.7 141.3 | 0.0882 [0.0963] | 91.5% |  |  | |
| PFDoS | (699.0 / 80.0) 64963 (699.0 / 99.0) 17707 | (10.09, 1.08) (N/A, 0.00, -0.5) | 198.0 94.5 | 0.2726 139.0 150.8 | 0.1007 [0.0970] | 103.8% |  |  | IR2, |
| 4:2FTS | (327.0 / 307.0) 185349 (327.0 / 81.0) 90654 | (5.73, 1.00) (0.00, N/A, 0.1) | 371.7 155.2 | 0.4891 68.3 78.4 | 0.4214 [0.3738] | 112.7% |  |  | |
| 6:2FTS | (427.0 / 407.0) 100621 (427.0 / 81.0) 61363 | (7.48, 1.00) (0.00, N/A, -0.2) | 320.1 209.8 | 0.6098 82.5 87.7 | 0.3935 [0.3796] | 103.7% |  |  | |
| 8:2FTS | (527.0 / 507.0) 94634 (527.0 / 81.0) 69313 | (8.90, 1.00) (0.00, N/A, 0.4) | 405.0 192.4 | 0.7324 119.7 97.5 | 0.3183 [0.3833] | 83.0% |  |  | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|--------------|--|--|----------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| PFOSA | (498.0 / 78.0) 130660 (498.0 / 478.0) 5223 | (10.16, 1.00) (0.00, N/A, -0.2) | 289.3 46.1 | 0.0400 191.5 193.8 | 0.0990 [0.1000] | 99.0% |  |  | |
| NMeFOSA | (512.0 / 219.0) 79300 (512.0 / 169.0) 61843 | (10.60, 1.00) (0.00, N/A, 0.1) | 503.4 424.5 | 0.7799 112.7 116.6 | 0.3735 [0.4000] | 93.4% |  |  | |
| NEIFOSA | (526.0 / 219.0) 73513 (526.0 / 169.0) 82988 | (10.69, 1.00) (0.00, N/A, -0.1) | 642.4 309.7 | 1.1289 113.7 104.6 | 0.3709 [0.4000] | 92.7% |  |  | |
| NMeFOSAA | (570.0 / 419.0) 30771 (570.0 / 483.0) 15408 | (9.45, 1.00) (0.01, N/A, 0.3) | 68.5 611.1 | 0.5007 90.0 94.8 | 0.1265 [0.1000] | 126.5% |  |  | |
| NEIFOSAA | (584.0 / 419.0) 26198 (584.0 / 526.0) 12933 | (9.64, 1.00) (0.00, N/A, -0.5) | 331.6 45.6 | 0.4937 83.2 74.9 | 0.1143 [0.1000] | 114.3% |  |  | |
| NMeFOSE | (616.0 / 59.0) 25873 | (10.57, 1.00) (0.01, N/A, 0.0) | 204.9 | N/A 0.0 0.0 | 0.3845 [0.4000] | 96.1% |  | | |
| NEtFOSE | (630.0 / 59.0) 4270 | (10.67, 1.00) (0.01, N/A, 0.0) | 65.1 | N/A 0.0 0.0 | 0.3764 [0.4000] | 94.1% |  | | |
| HFPO-DA | (285.0 / 169.0) 30380 (285.0 / 185.0) 80008 | (6.41, 1.00) (0.00, N/A, -0.2) | 279.5 375.6 | 2.6336 102.7 106.1 | 0.1751 [0.2000] | 87.5% |  |  | |
| ADONA | (377.0 / 85.0) 136981 (377.0 / 251.0) 20064 | (7.32, 1.14) (N/A, 0.01, 0.1) | 403.3 60.2 | 0.1465 119.0 136.3 | 0.1981 [0.1885] | 105.1% |  |  | |
| 9CI-Pf3ONS | (531.0 / 351.0) 313256 (533.0 / 353.0) 101761 | (9.68, 1.51) (N/A, 0.00, 0.4) | 313.7 132.2 | 0.3249 102.8 109.0 | 0.1658 [0.1867] | 88.9% |  |  | |
| 11CI-PF3OUDS | (631.0 / 451.0) 228554 (633.0 / 453.0) 63264 | (9.98, 1.56) (N/A, 0.00, -0.3) | 307.4 206.3 | 0.2768 89.4 87.0 | 0.2138 [0.1886] | 113.3% |  |  | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|----------------|--|--|----------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| 3:3FTCA | (241.0 / 177.0) 3221 (241.0 / 117.0) 4361 | (4.40, 0.90) (N/A, 0.01, 0.6) | 98.4 21.7 | 1.3542 103.0 102.6 | 0.2859 [0.4000] | 71.5% |  |  | |
| 5:3FTCA | (341.0 / 236.7) 25027 (341.0 / 217.0) 40842 | (6.71, 1.11) (N/A, 0.01, 0.3) | 179.5 160.8 | 1.6319 90.9 105.4 | 0.3591 [0.4000] | 89.8% |  |  | |
| 7:3FTCA | (441.0 / 317.0) 29038 (441.0 / 337.0) 25726 | (8.52, 1.41) (N/A, 0.00, 0.3) | 96.5 113.8 | 0.8859 107.4 104.7 | 0.3199 [0.4000] | 80.0% |  |  | |
| PFEESA | (315.0 / 135.0) 70299 (315.0 / 83.0) 21057 | (6.51, 1.07) (N/A, 0.01, -0.1) | 271.2 101.3 | 0.2995 98.2 107.3 | 0.1682 [0.1785] | 94.2% |  |  | |
| PFMPA | (229.0 / 85.0) 14147 | (4.10, 0.84) (N/A, 0.00, 0.0) | 252.6 | N/A 0.0 0.0 | 0.1478 [0.2000] | 73.9% |  | | |
| PFMBA | (279.0 / 85.0) 45673 | (5.28, 1.08) (N/A, 0.00, 0.0) | 412.1 | N/A 0.0 0.0 | 0.1673 [0.2000] | 83.7% |  | | |
| NFDHA | (295.0 / 201.0) 37111 (295.0 / 85.0) 32545 | (5.94, 0.98) (N/A, 0.01, -0.3) | 317.0 180.0 | 0.8769 102.1 95.5 | 0.1661 [0.2000] | 83.0% |  |  | |
| 13C3_PFBA_IIS | (216.0 / 172.0) 228297 | (3.61, N/A) (N/A, 0.00, N/A) | 569.6 | N/A | 1.0601 [1.0000] | 106.0% {96.8%} |  | | |
| 13C2_PFHxA_IIS | (315.0 / 270.0) 421916 | (6.07, N/A) (N/A, 0.01, N/A) | 482.3 | N/A | 1.1114 [1.0000] | 111.1% {102.2%} |  | | |
| 13C4_PFOA_IIS | (417.0 / 372.0) 383644 | (7.82, N/A) (N/A, 0.00, N/A) | 628.0 | N/A | 1.0628 [1.0000] | 106.3% {97.6%} |  | | |
| 13C5_PFNA_IIS | (468.0 / 423.0) 323756 | (8.55, N/A) (N/A, 0.00, N/A) | 531.5 | N/A | 1.1010 [1.0000] | 110.1% {101.0%} |  | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|----------------|------------------------------|--|-------|-------------------------------------|---------------------------------|---------------------------|---|----------------------------|------|
| 13C2_PFDA_IIS | (515.0 / 470.1) 361356 | (9.23, N/A) (N/A, 0.00, N/A) | 383.6 | N/A | 1.0608 [1.0000] | 106.1% { 102.6% } |  | | |
| 18O2_PFHxS_IIS | (403.0 / 83.9) 661641 | (7.93, N/A) (N/A, 0.01, N/A) | 683.5 | N/A | 1.0935 [1.0000] | 109.3% { 105.1% } |  | | |
| 13C4_PFOS_IIS | (503.0 / 79.9) 594073 | (9.38, N/A) (N/A, 0.00, N/A) | 388.9 | N/A | 0.9213 [1.0000] | 92.1% { 90.8% } |  | | |
| 13C4_PFBA_EIS | (217.0 / 172.0) 1942100 | (3.61, N/A) (N/A, -0.01, N/A) | 636.2 | N/A | 8.4732 [8.0000] | 105.9% { 104.3% } |  | | |
| 13C5_PFPeA_EIS | (268.0 / 223.0) 1380603 | (4.89, N/A) (N/A, 0.01, N/A) | 567.5 | N/A | 4.3373 [4.0000] | 108.4% { 105.9% } |  | | |
| 13C5_PFHxA_EIS | (318.0 / 273.0) 917604 | (6.06, N/A) (N/A, 0.01, N/A) | 643.8 | N/A | 2.1253 [2.0000] | 106.3% { 113.2% } |  | | |
| 13C4_PFHpA_EIS | (367.0 / 322.0) 774481 | (7.00, N/A) (N/A, 0.01, N/A) | 574.5 | N/A | 2.0649 [2.0000] | 103.2% { 103.8% } |  | | |
| 13C8_PFOA_EIS | (421.0 / 376.0) 830853 | (7.82, N/A) (N/A, 0.01, N/A) | 627.0 | N/A | 2.1167 [2.0000] | 105.8% { 105.1% } |  | | |
| 13C9_PFNA_EIS | (472.0 / 427.0) 305868 | (8.55, N/A) (N/A, 0.00, N/A) | 397.3 | N/A | 0.9093 [1.0000] | 90.9% { 93.2% } |  | | |
| 13C6_PFDA_EIS | (519.0 / 474.0) 464683 | (9.24, N/A) (N/A, 0.01, N/A) | 346.8 | N/A | 1.0646 [1.0000] | 106.5% { 104.7% } |  | | |
| 13C7_PFUnA_EIS | (570.0 / 525.0) 596683 | (9.68, N/A) (N/A, 0.01, N/A) | 421.2 | N/A | 1.1116 [1.0000] | 111.2% { 124.0% } |  | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-I[μ min], Δ RT-CV[μ min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|-----------------|------------------------------|---|--------|-------------------------------------|---------------------------------|---------------------------|---|----------------------------|------|
| 13C2_PFDa_EIS | (615.0 / 570.0) 632556 | (9.87, N/A) (N/A, 0.00, N/A) | 333.6 | N/A | 1.1809 [1.0000] | 118.1% { 110.0% } |  | | |
| 13C2_PFTeDA_EIS | (715.0 / 670.0) 467550 | (10.11, N/A) (N/A, 0.00, N/A) | 1243.5 | N/A | 1.3775 [1.0000] | 137.8% { 114.8% } |  | | |
| 13C3_PFBs_EIS | (302.0 / 80.0) 2219414 | (6.01, N/A) (N/A, 0.01, N/A) | 542.0 | N/A | 2.2164 [2.0000] | 110.8% { 109.2% } |  | | |
| 13C3_PFHxS_EIS | (402.0 / 80.0) 1151837 | (7.93, N/A) (N/A, 0.01, N/A) | 628.7 | N/A | 2.1243 [2.0000] | 106.2% { 115.7% } |  | | |
| 13C8_PFOS_EIS | (507.0 / 80.0) 1717258 | (9.37, N/A) (N/A, 0.00, N/A) | 391.1 | N/A | 2.3987 [2.0000] | 119.9% { 113.9% } |  | | |
| 13C2_4:2FTS_EIS | (329.0 / 81.0) 517380 | (5.73, N/A) (N/A, 0.01, N/A) | 668.5 | N/A | 4.5732 [4.0000] | 114.3% { 99.6% } |  | | |
| 13C2_6:2FTS_EIS | (429.0 / 81.0) 637005 | (7.48, N/A) (N/A, 0.01, N/A) | 626.1 | N/A | 4.2555 [4.0000] | 106.4% { 89.7% } |  | | |
| 13C2_8:2FTS_EIS | (529.0 / 81.0) 762351 | (8.90, N/A) (N/A, 0.01, N/A) | 488.3 | N/A | 4.0402 [4.0000] | 101.0% { 124.5% } |  | | |
| 13C8_PFOsa_EIS | (506.0 / 78.0) 2276744 | (10.16, N/A) (N/A, 0.00, N/A) | 720.5 | N/A | 2.7247 [2.0000] | 136.2% { 111.2% } |  | | |
| D3_NMeFOSA_EIS | (515.0 / 169.0) 437105 | (10.60, N/A) (N/A, 0.00, N/A) | 964.8 | N/A | 2.7662 [2.0000] | 138.3% { 110.0% } |  | | |
| D5_NEtFOSA_EIS | (531.0 / 169.0) 399625 | (10.69, N/A) (N/A, 0.00, N/A) | 954.9 | N/A | 2.7612 [2.0000] | 138.1% { 108.2% } |  | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-I[μ min], Δ RT- CV[μ min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|-----------------|------------------------------|---|--------|-------------------------------------|---------------------------------|---------------------------|--|----------------------------|------|
| D3_MeFOSAA_EIS | (573.0 / 419.0) 1072351 | (9.44, N/A) (N/A, 0.00, N/A) | 307.4 | N/A | 4.7606 [4.0000] | 119.0% { 107.5% } |  | | |
| D5_EtFOSAA_EIS | (589.0 / 419.0) 930410 | (9.64, N/A) (N/A, 0.01, N/A) | 122.6 | N/A | 5.1950 [4.0000] | 129.9% { 107.8% } |  | | |
| D7_NMeFOSE_EIS | (623.0 / 58.9) 1102216 | (10.56, N/A) (N/A, 0.00, N/A) | 1265.2 | N/A | 31.9270 [20.0000] | 159.6% { 119.9% } |  | | S2, |
| D9_NEtFOSE_EIS | (639.0 / 58.9) 533015 | (10.66, N/A) (N/A, 0.00, N/A) | 1376.6 | N/A | 33.4818 [20.0000] | 167.4% { 111.9% } |  | | S2, |
| 13C3_HFPODA_EIS | (287.0 / 169.0) 2000025 | (6.41, N/A) (N/A, 0.01, N/A) | 612.9 | N/A | 8.2807 [8.0000] | 103.5% { 109.8% } |  | | |

INITIAL AND CONTINUING CALIBRATION CHECK

Table B-15b

| | | | |
|-----------------|------------------|---------------|--------------|
| Laboratory:b | APPL, LLC | Work Order:b | 22L0004b |
| Client:b | Tidewater, Inc.b | Project:b | NASA JPL Slb |
| Instrument ID:b | Saphirab | Calibration:b | 2250016b |
| Standard ID:b | 22L0180 | Sequence:b | SB03769b |

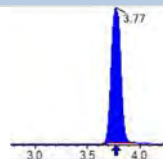
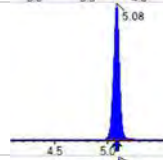
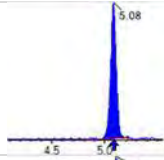
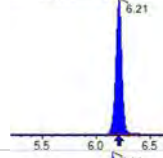
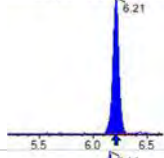
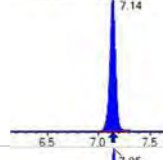
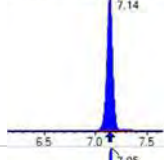
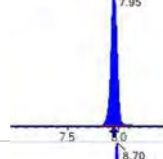
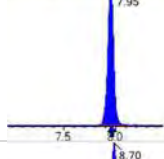
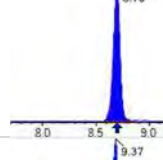
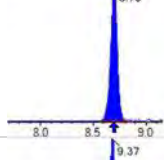
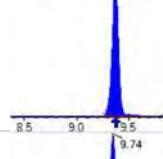
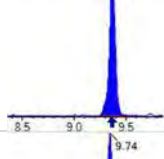
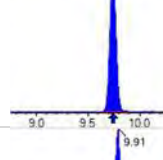
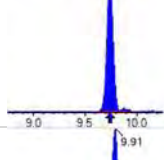
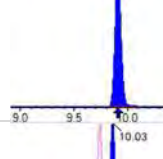
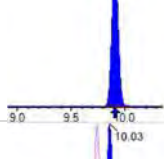
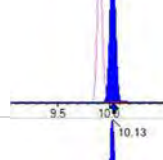
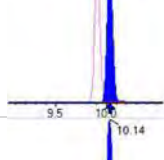
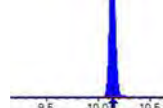
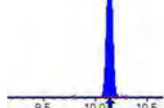
| Lab Sample ID | Analyte | True | Found | %R | Units | Control Limit |
|---------------|-----------|-------|-------|-------|--------|---------------|
| SB03769-CCV1b | PFBA | 20.0b | 18.0b | 89.8b | ng/mLb | +/- 30.00%b |
| | PFPE | 10.0b | 9.13b | 91.3b | ng/mLb | +/- 30.00%b |
| | PFHX | 5.00b | 4.65b | 93.0b | ng/mLb | +/- 30.00%b |
| | PFHP | 5.00b | 4.65b | 93.1b | ng/mLb | +/- 30.00%b |
| | PFO | 5.00b | 4.41b | 88.2b | ng/mLb | +/- 30.00%b |
| | PFNA | 5.00b | 5.34b | 107b | ng/mLb | +/- 30.00%b |
| | PFDA | 5.00b | 4.96b | 99.2b | ng/mLb | +/- 30.00%b |
| | PFUn | 5.00b | 4.24b | 84.9b | ng/mLb | +/- 30.00%b |
| | PFDO | 5.00b | 4.97b | 99.3b | ng/mLb | +/- 30.00%b |
| | PFTRDA | 5.00b | 4.51b | 90.2b | ng/mLb | +/- 30.00%b |
| | PFTEDA | 5.00b | 4.95b | 99.1b | ng/mLb | +/- 30.00%b |
| | PFBS | 4.42b | 3.99b | 90.2b | ng/mLb | +/- 30.00%b |
| | PFPEs | 4.70b | 4.52b | 96.2b | ng/mLb | +/- 30.00%b |
| | PFHXs | 4.58b | 4.36b | 95.2b | ng/mLb | +/- 30.00%b |
| | PFHPS | 4.78b | 4.60b | 96.3b | ng/mLb | +/- 30.00%b |
| | PFOS | 4.65b | 4.41b | 94.9b | ng/mLb | +/- 30.00%b |
| | PFNS | 4.80b | 4.79b | 99.8b | ng/mLb | +/- 30.00%b |
| | PFDS | 4.82b | 4.49b | 93.3b | ng/mLb | +/- 30.00%b |
| | 4:2FTS | 18.8b | 17.7b | 94.1b | ng/mLb | +/- 30.00%b |
| | 6:2FTS | 19.0b | 20.0b | 105b | ng/mLb | +/- 30.00%b |
| | 8:2FTS | 19.2b | 19.7b | 102b | ng/mLb | +/- 30.00%b |
| | PFOSAb | 5.00b | 4.72b | 94.4b | ng/mLb | +/- 30.00%b |
| | NMeFOSAb | 20.0b | 18.8b | 94.2b | ng/mLb | +/- 30.00%b |
| | NEtFOSAb | 20.0b | 18.3b | 91.7b | ng/mLb | +/- 30.00%b |
| | NMeFOSAAb | 5.00b | 4.52b | 90.3b | ng/mLb | +/- 30.00%b |
| | NEtFOSAAb | 5.00b | 5.41b | 108b | ng/mLb | +/- 30.00%b |
| | NMeFOSEb | 20.0b | 17.8b | 89.0b | ng/mLb | +/- 30.00%b |
| | NEtFOSEb | 20.0b | 18.4b | 91.8b | ng/mLb | +/- 30.00%b |
| | HFPO-DAb | 10.0b | 9.19b | 91.9b | ng/mLb | +/- 30.00%b |
| | ADONAb | 9.45b | 9.27b | 98.1b | ng/mLb | +/- 30.00%b |

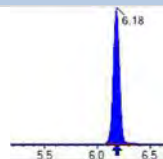
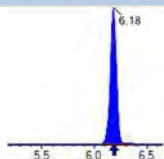
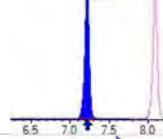
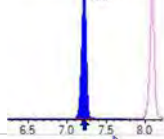
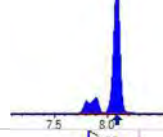
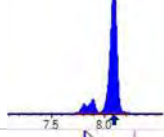
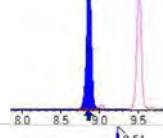
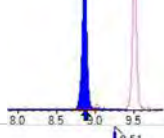
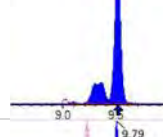
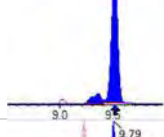
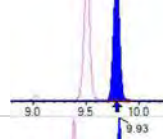
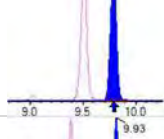
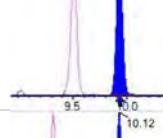
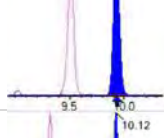
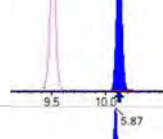
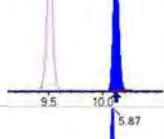
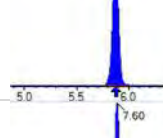
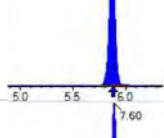
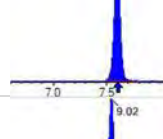
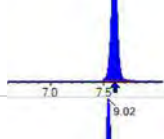
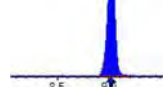
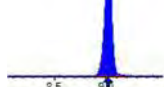
INITIAL AND CONTINUING CALIBRATION CHECK

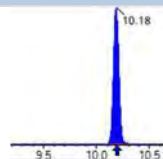
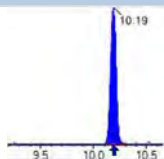
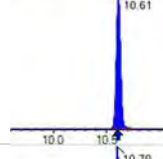
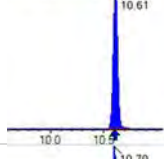
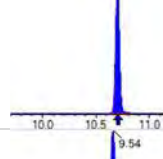
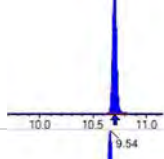
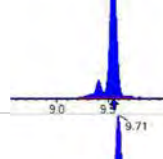
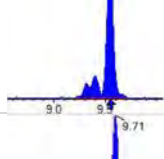
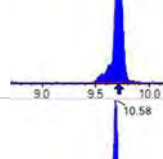
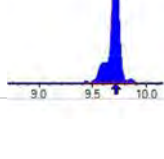
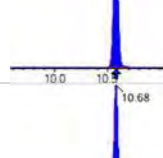
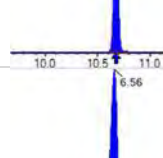
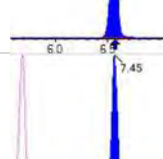
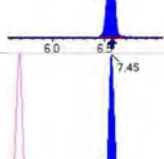
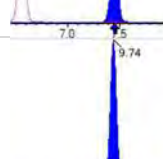
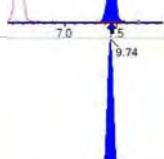
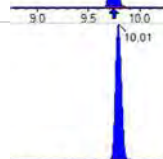
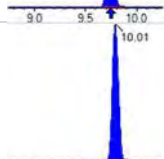
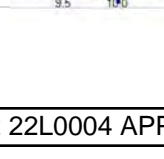
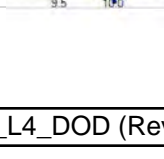
Table B-15b

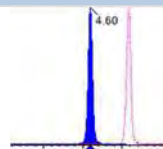
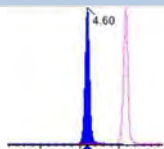
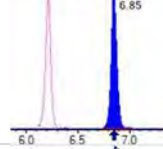
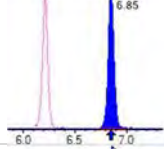
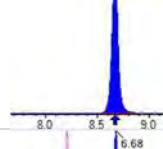
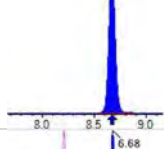
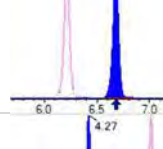
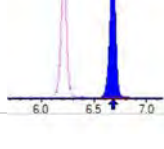
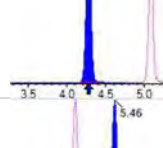
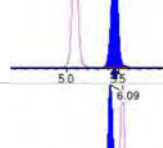
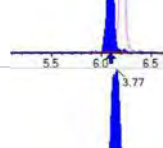
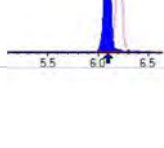
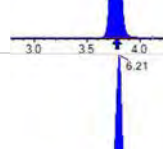
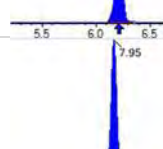
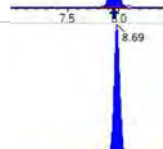
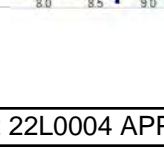
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| Client: | Tidewater, Inc. | Project: | NASA JPL S1b |
| Instrument ID: | Saphirab | Calibration: | 2250016b |
| Standard ID: | 22L0180 | Sequence: | SB03769b |

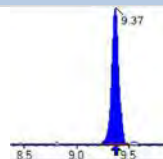
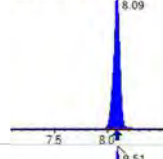
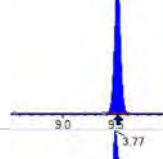
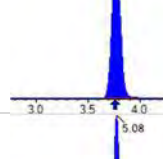
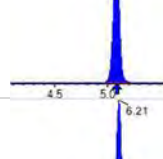
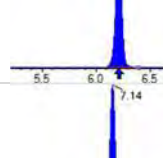
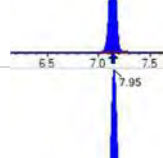
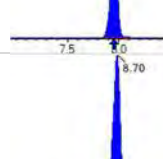
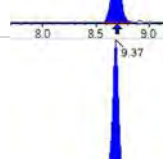
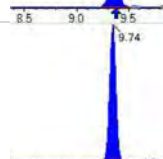
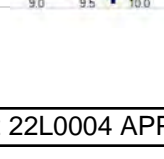
| Lab Sample ID | Analyte | True | Found | %R | Units | Control Limit |
|---------------|--------------|------|-------|------|-------|---------------|
| SB03769-CCV1b | 9CL-PF3ONS | 9.35 | 9.24 | 98.8 | ng/mL | +/- 30.00% |
| | 11CL-PF3OUDS | 9.45 | 9.60 | 102 | ng/mL | +/- 30.00% |

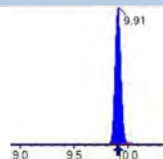
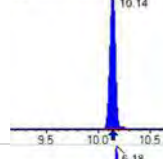
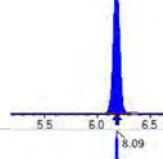
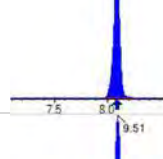
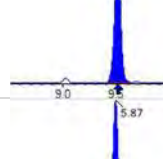
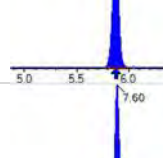
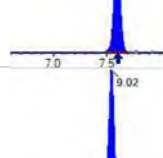
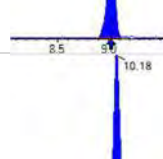
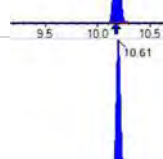
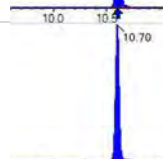
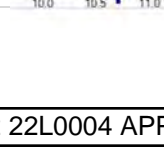
| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|---------|--|--|-----------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| PFBA | (212.9 / 169.0) 1119825 | (3.77, 1.00) (0.00, N/A, 0.0) | 77.0 | N/A 0.0 0.0 | 17.9615 [20.0000] | 89.8% |  | | |
| PFPeA | (262.9 / 219.0) 762745 (262.9 / 69.0) 8439 | (5.08, 1.00) (0.00, N/A, 0.1) | 990.5 277.7 | 0.0111 95.0 100.0 | 9.1290 [10.0000] | 91.3% |  |  | |
| PFHxA | (313.0 / 269.0) 615049 (313.0 / 119.0) 60229 | (6.21, 1.00) (0.00, N/A, 0.0) | 719.1 364.4 | 0.0979 109.0 100.0 | 4.6519 [5.0000] | 93.0% |  |  | |
| PFHpA | (363.0 / 319.0) 584710 (363.0 / 169.0) 165281 | (7.14, 1.00) (0.00, N/A, 0.0) | 696.6 478.8 | 0.2827 98.5 100.0 | 4.6540 [5.0000] | 93.1% |  |  | |
| PFOA | (413.0 / 369.0) 592835 (413.0 / 169.0) 191881 | (7.95, 1.00) (0.00, N/A, -0.1) | 728.5 727.3 | 0.3237 100.0 100.0 | 4.4088 [5.0000] | 88.2% |  |  | |
| PFNA | (463.0 / 419.0) 428724 (463.0 / 169.0) 90316 | (8.70, 1.00) (0.00, N/A, 0.0) | 566.4 119.1 | 0.2107 104.6 100.0 | 5.3374 [5.0000] | 106.7% |  |  | |
| PFDA | (513.0 / 469.0) 585015 (513.0 / 169.0) 58137 | (9.37, 1.00) (0.00, N/A, 0.2) | 513.3 261.7 | 0.0994 111.9 100.0 | 4.9584 [5.0000] | 99.2% |  |  | |
| PFUnA | (563.0 / 519.0) 751490 (563.0 / 169.0) 74748 | (9.74, 1.00) (0.00, N/A, 0.0) | 866.6 228.3 | 0.0995 92.6 100.0 | 4.2427 [5.0000] | 84.9% |  |  | |
| PFDoA | (613.0 / 569.0) 882967 (613.0 / 169.0) 135773 | (9.91, 1.00) (0.00, N/A, 0.0) | 903.1 433.0 | 0.1538 129.1 100.0 | 4.9658 [5.0000] | 99.3% |  |  | |
| PFTTrDA | (663.0 / 619.0) 704351 (663.0 / 169.0) 148043 | (10.03, 1.01) (N/A, 0.00, 0.1) | 1107.0 599.1 | 0.2102 112.9 100.0 | 4.5097 [5.0000] | 90.2% |  |  | |
| PFTTeDA | (713.0 / 669.0) 633930 (713.0 / 169.0) 127449 | (10.13, 1.00) (-0.01, N/A, -0.2) | 662.1 443.8 | 0.2010 102.1 100.0 | 4.9544 [5.0000] | 99.1% |  |  | |

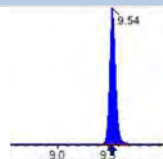
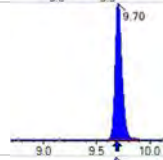
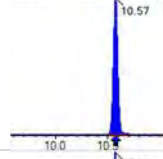
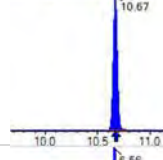
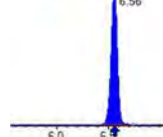
| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|---------|--|--|--------------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| PFBS | (298.9 / 80.0) 805965 (298.9 / 99.0) 545650 | (6.18, 1.00) (0.00, N/A, 0.0) | 783.2 771.3 | 0.6770 99.9 100.0 | 3.9884 [4.4237] | 90.2% |  |  | |
| PFPeS | (349.0 / 80.0) 1509275 (349.0 / 99.0) 507142 | (7.22, 0.89) (N/A, 0.00, 0.0) | 744.3 750.1 | 0.3360 92.1 100.0 | 4.5231 [4.6919] | 96.4% |  |  | |
| PFHxS | (399.0 / 80.0) 1290250 (399.0 / 99.0) 425887 | (8.09, 1.00) (0.00, N/A, 0.1) | 22998.1 11759.1 | 0.3301 95.7 100.0 | 4.3608 [4.5549] | 95.7% |  |  | |
| PFHpS | (449.0 / 80.0) 1250375 (449.0 / 99.0) 354615 | (8.86, 0.93) (N/A, 0.00, 0.0) | 897.7 455.5 | 0.2836 99.8 100.0 | 4.6028 [4.7570] | 96.8% |  |  | |
| PFOS | (499.0 / 80.0) 1485466 (499.0 / 99.0) 351646 | (9.51, 1.00) (0.00, N/A, 0.0) | 3408.9 197.3 | 0.2367 91.9 100.0 | 4.4143 [4.6375] | 95.2% |  |  | |
| PFNS | (549.0 / 80.0) 1892980 (549.0 / 99.0) 443034 | (9.79, 1.03) (N/A, 0.00, 0.0) | 1121.1 1098.0 | 0.2340 97.9 100.0 | 4.7907 [4.7994] | 99.8% |  |  | |
| PFDS | (599.0 / 80.0) 2224357 (599.0 / 99.0) 539131 | (9.93, 1.04) (N/A, 0.00, 0.1) | 648.0 636.7 | 0.2424 104.2 100.0 | 4.4949 [4.8155] | 93.3% |  |  | |
| PFDoS | (698.9 / 80.0) 1424096 (698.9 / 99.0) 293730 | (10.12, 1.06) (N/A, 0.00, 0.2) | 856.4 343.4 | 0.2063 89.0 100.0 | 4.8522 [4.8478] | 100.1% |  |  | |
| 4:2FTS | (327.0 / 307.0) 1105340 (327.0 / 81.0) 661275 | (5.87, 1.00) (0.00, N/A, 0.0) | 1012.6 880.3 | 0.5983 100.2 100.0 | 17.6880 [18.6906] | 94.6% |  |  | |
| 6:2FTS | (427.0 / 407.0) 714124 (427.0 / 81.0) 507000 | (7.60, 1.00) (0.00, N/A, -0.1) | 943.3 893.1 | 0.7100 98.7 100.0 | 20.0228 [18.9808] | 105.5% |  |  | |
| 8:2FTS | (527.0 / 507.0) 669275 (527.0 / 81.0) 412611 | (9.02, 1.00) (0.00, N/A, 0.0) | 512.3 502.1 | 0.6165 98.9 100.0 | 19.6647 [19.1658] | 102.6% |  |  | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|--------------|--|--|------------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| PFOSA | (498.0 / 78.0) 2301009 (498.0 / 478.0) 58097 | (10.18, 1.00) (0.00, N/A, -0.2) | 660.2 327.3 | 0.0252 105.8 100.0 | 4.7216 [5.0000] | 94.4% |  |  | |
| NMeFOSA | (511.9 / 219.0) 2065289 (511.9 / 169.0) 1337543 | (10.61, 1.00) (0.00, N/A, 0.0) | 1051.9 1179.0 | 0.6476 97.1 100.0 | 18.8479 [20.0000] | 94.2% |  |  | |
| NEIFOSA | (526.0 / 219.0) 2158696 (526.0 / 169.0) 2229080 | (10.70, 1.00) (0.00, N/A, 0.0) | 1562.0 1634.9 | 1.0326 94.8 100.0 | 18.3317 [20.0000] | 91.7% |  |  | |
| NMeFOSAA | (570.0 / 419.0) 266772 (570.0 / 483.0) 144865 | (9.54, 1.00) (0.01, N/A, 0.1) | 441.5 515.0 | 0.5430 117.1 100.0 | 4.5157 [5.0000] | 90.3% |  |  | |
| NEIFOSAA | (584.0 / 419.0) 273372 (584.0 / 526.0) 169697 | (9.71, 1.00) (0.01, N/A, 0.1) | 825.0 395.1 | 0.6208 102.3 100.0 | 5.4087 [5.0000] | 108.2% |  |  | |
| NMeFOSE | (616.1 / 59.0) 594622 | (10.58, 1.00) (0.01, N/A, 0.0) | 1013.3 | N/A 0.0 0.0 | 17.7924 [20.0000] | 89.0% |  | | |
| NEtFOSE | (630.0 / 59.0) 149085 | (10.68, 1.00) (0.01, N/A, 0.0) | 873.9 | N/A 0.0 0.0 | 18.3592 [20.0000] | 91.8% |  | | |
| HFPO-DA | (285.0 / 169.0) 511850 (285.0 / 185.0) 1576528 | (6.56, 1.00) (0.00, N/A, 0.0) | 875.9 1165.2 | 3.0801 111.1 100.0 | 9.1872 [10.0000] | 91.9% |  |  | |
| ADONA | (377.0 / 85.0) 2089103 (377.0 / 251.0) 247229 | (7.45, 1.14) (N/A, 0.00, 0.1) | 897.9 699.7 | 0.1183 94.1 100.0 | 9.2734 [9.4270] | 98.4% |  |  | |
| 9CI-Pf3ONS | (531.0 / 351.0) 5726384 (533.0 / 353.0) 1715572 | (9.74, 1.49) (N/A, 0.00, 0.0) | 1151.0 978.1 | 0.2996 89.8 100.0 | 9.2372 [9.3325] | 99.0% |  |  | |
| 11CI-PF3OUDS | (631.0 / 451.0) 4096729 (633.0 / 453.0) 1368016 | (10.01, 1.53) (N/A, 0.00, 0.1) | 795.0 713.5 | 0.3339 103.2 100.0 | 9.6048 [9.4321] | 101.8% |  |  | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|----------------|--|--|----------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| 3:3FTCA | (241.0 / 177.0) 68329 (241.0 / 117.0) 116804 | (4.60, 0.90) (N/A, 0.00, 0.0) | 644.8 616.0 | 1.7094 98.2 100.0 | 16.6470 [20.0000] | 83.2% |  |  | |
| 5:3FTCA | (341.0 / 236.7) 519981 (341.0 / 217.0) 851374 | (6.85, 1.10) (N/A, 0.00, -0.1) | 633.4 749.1 | 1.6373 95.9 100.0 | 18.5116 [20.0000] | 92.6% |  |  | |
| 7:3FTCA | (441.0 / 317.0) 639306 (441.0 / 337.0) 508647 | (8.67, 1.40) (N/A, 0.00, 0.0) | 605.2 751.7 | 0.7956 96.5 100.0 | 17.6771 [20.0000] | 88.4% |  |  | |
| PFEESA | (315.0 / 135.0) 1051920 (315.0 / 83.0) 342641 | (6.68, 1.07) (N/A, 0.00, 0.0) | 679.1 779.9 | 0.3257 109.5 100.0 | 7.7807 [8.9246] | 87.2% |  |  | |
| PFMPA | (229.0 / 85.0) 213967 | (4.27, 0.84) (N/A, 0.00, 0.0) | 742.1 | N/A 0.0 0.0 | 9.3000 [10.0000] | 93.0% |  | | |
| PFMBA | (279.0 / 85.0) 666563 | (5.46, 1.07) (N/A, 0.00, 0.0) | 894.8 | N/A 0.0 0.0 | 9.2959 [10.0000] | 93.0% |  | | |
| NFDHA | (201.0 / 85.0) 30594 (295.0 / 201.0) 176118 | (6.09, 0.98) (N/A, 0.00, -0.2) | 365.2 646.3 | 5.7567 82.3 100.0 | 9.5323 [10.0000] | 95.3% |  |  | |
| 13C3_PFBA_IIS | (216.0 / 172.0) 87513 | (3.77, N/A) (N/A, 0.00, N/A) | 694.6 | N/A | 0.9104 [1.0000] | 91.0% { 100.0% } |  | | |
| 13C2_PFHxA_IIS | (315.1 / 270.0) 129682 | (6.21, N/A) (N/A, 0.00, N/A) | 700.0 | N/A | 1.0502 [1.0000] | 105.0% { 100.0% } |  | | |
| 13C4_PFOA_IIS | (417.0 / 372.0) 121450 | (7.95, N/A) (N/A, 0.00, N/A) | 635.9 | N/A | 1.0245 [1.0000] | 102.4% { 100.0% } |  | | |
| 13C5_PFNA_IIS | (468.0 / 423.0) 98219 | (8.69, N/A) (N/A, 0.00, N/A) | 818.8 | N/A | 1.0313 [1.0000] | 103.1% { 100.0% } |  | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|----------------|------------------------------|--|--------|-------------------------------------|---------------------------------|---------------------------|---|----------------------------|------|
| 13C2_PFDA_IIS | (515.1 / 470.1) 90134 | (9.37, N/A) (N/A, 0.00, N/A) | 301.0 | N/A | 1.0941 [1.0000] | 109.4% { 100.0% } |  | | |
| 18O2_PFHxS_IIS | (403.0 / 83.9) 209478 | (8.09, N/A) (N/A, 0.00, N/A) | 892.2 | N/A | 0.9760 [1.0000] | 97.6% { 100.0% } |  | | |
| 13C4_PFOS_IIS | (502.8 / 79.9) 191039 | (9.51, N/A) (N/A, 0.00, N/A) | 477.9 | N/A | 1.0264 [1.0000] | 102.6% { 100.0% } |  | | |
| 13C4_PFBA_EIS | (217.0 / 172.0) 655046 | (3.77, N/A) (N/A, 0.00, N/A) | 907.2 | N/A | 7.9839 [8.0000] | 99.8% { 100.0% } |  | | |
| 13C5_PFPeA_EIS | (267.9 / 223.0) 347660 | (5.08, N/A) (N/A, 0.00, N/A) | 1204.9 | N/A | 3.6751 [4.0000] | 91.9% { 100.0% } |  | | |
| 13C5_PFHxA_EIS | (318.0 / 273.0) 262352 | (6.21, N/A) (N/A, 0.00, N/A) | 694.9 | N/A | 1.9834 [2.0000] | 99.2% { 100.0% } |  | | |
| 13C4_PFHpA_EIS | (367.0 / 322.0) 248050 | (7.14, N/A) (N/A, 0.00, N/A) | 525.0 | N/A | 2.0775 [2.0000] | 103.9% { 100.0% } |  | | |
| 13C8_PFOA_EIS | (421.0 / 376.0) 260887 | (7.95, N/A) (N/A, 0.00, N/A) | 477.3 | N/A | 2.1119 [2.0000] | 105.6% { 100.0% } |  | | |
| 13C9_PFNA_EIS | (472.0 / 427.0) 83317 | (8.70, N/A) (N/A, 0.00, N/A) | 299.1 | N/A | 0.8596 [1.0000] | 86.0% { 100.0% } |  | | |
| 13C6_PFDA_EIS | (519.0 / 474.0) 116299 | (9.37, N/A) (N/A, 0.00, N/A) | 236.2 | N/A | 0.8883 [1.0000] | 88.8% { 100.0% } |  | | |
| 13C7_PFUnA_EIS | (570.0 / 525.0) 201210 | (9.74, N/A) (N/A, 0.00, N/A) | 392.5 | N/A | 1.1449 [1.0000] | 114.5% { 100.0% } |  | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|-----------------|------------------------------|--|--------|-------------------------------------|---------------------------------|---------------------------|---|----------------------------|------|
| 13C2_PFDa_EIS | (615.0 / 570.0) 193246 | (9.91, N/A) (N/A, 0.00, N/A) | 864.7 | N/A | 0.9060 [1.0000] | 90.6% { 100.0% } |  | | |
| 13C2_PFTeDA_EIS | (715.0 / 670.0) 129807 | (10.14, N/A) (N/A, 0.00, N/A) | 330.5 | N/A | 0.8291 [1.0000] | 82.9% { 100.0% } |  | | |
| 13C3_PFBs_EIS | (302.0 / 80.0) 661988 | (6.18, N/A) (N/A, 0.00, N/A) | 692.7 | N/A | 2.1503 [2.0000] | 107.5% { 100.0% } |  | | |
| 13C3_PFHxS_EIS | (402.0 / 80.0) 352946 | (8.09, N/A) (N/A, 0.00, N/A) | 821.5 | N/A | 2.0140 [2.0000] | 100.7% { 100.0% } |  | | |
| 13C8_PFOS_EIS | (507.0 / 80.0) 599483 | (9.51, N/A) (N/A, 0.00, N/A) | 381.9 | N/A | 2.0585 [2.0000] | 102.9% { 100.0% } |  | | |
| 13C2_4:2FTS_EIS | (329.0 / 81.0) 71553 | (5.87, N/A) (N/A, 0.00, N/A) | 619.9 | N/A | 4.1210 [4.0000] | 103.0% { 100.0% } |  | | |
| 13C2_6:2FTS_EIS | (429.0 / 81.0) 89936 | (7.60, N/A) (N/A, 0.00, N/A) | 610.6 | N/A | 3.8608 [4.0000] | 96.5% { 100.0% } |  | | |
| 13C2_8:2FTS_EIS | (529.0 / 81.0) 86690 | (9.02, N/A) (N/A, 0.00, N/A) | 368.7 | N/A | 4.2875 [4.0000] | 107.2% { 100.0% } |  | | |
| 13C8_PFOsa_EIS | (506.0 / 78.0) 877639 | (10.18, N/A) (N/A, 0.00, N/A) | 730.4 | N/A | 1.9740 [2.0000] | 98.7% { 100.0% } |  | | |
| D3_NMeFOSA_EIS | (515.0 / 169.0) 238441 | (10.61, N/A) (N/A, 0.00, N/A) | 1065.6 | N/A | 1.8124 [2.0000] | 90.6% { 100.0% } |  | | |
| D5_NeIFOSA_EIS | (531.1 / 169.0) 227415 | (10.70, N/A) (N/A, 0.00, N/A) | 1050.9 | N/A | 1.9064 [2.0000] | 95.3% { 100.0% } |  | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-I[μ min], Δ RT- CV[μ min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|-----------------|------------------------------|---|--------|-------------------------------------|---------------------------------|---------------------------|--|----------------------------|------|
| D3_MeFOSAA_EIS | (573.0 / 419.0) 270967 | (9.54, N/A) (N/A, 0.00, N/A) | 724.3 | N/A | 4.1821 [4.0000] | 104.6% { 100.0% } |  | | |
| D5_EtFOSAA_EIS | (589.0 / 419.0) 220306 | (9.70, N/A) (N/A, 0.00, N/A) | 309.9 | N/A | 3.9561 [4.0000] | 98.9% { 100.0% } |  | | |
| D7_NMeFOSE_EIS | (623.2 / 58.9) 475417 | (10.57, N/A) (N/A, 0.00, N/A) | 1032.5 | N/A | 21.1567 [20.0000] | 105.8% { 100.0% } |  | | |
| D9_NEtFOSE_EIS | (639.2 / 58.9) 237180 | (10.67, N/A) (N/A, 0.00, N/A) | 1086.5 | N/A | 20.7150 [20.0000] | 103.6% { 100.0% } |  | | |
| 13C3_HFPODA_EIS | (287.0 / 169.0) 671094 | (6.56, N/A) (N/A, 0.00, N/A) | 957.8 | N/A | 7.7033 [8.0000] | 96.3% { 100.0% } |  | | |

INITIAL AND CONTINUING CALIBRATION CHECK

Table B-15b

| | | | |
|-----------------|------------------|---------------|--------------|
| Laboratory:b | APPL, LLC | Work Order:b | 22L0004b |
| Client:b | Tidewater, Inc.b | Project:b | NASA JPL Slb |
| Instrument ID:b | Saphirab | Calibration:b | 2250016b |
| Standard ID:b | 22L0180 | Sequence:b | SB03769b |

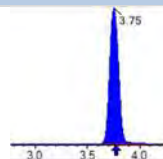
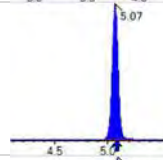
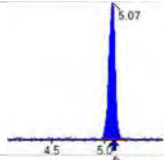
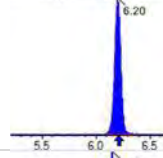
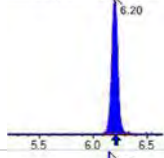
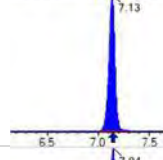
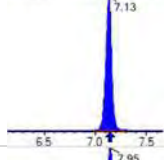
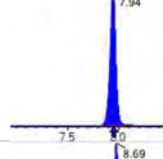
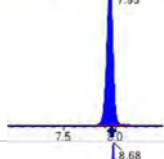
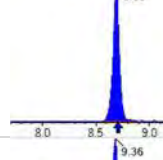
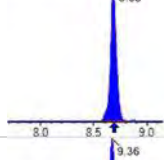
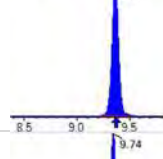
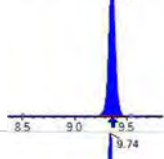
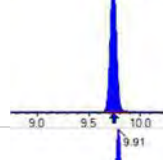
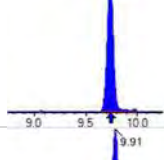
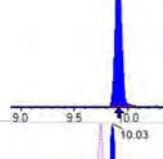
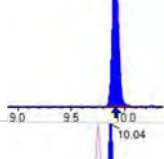
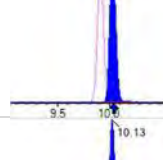
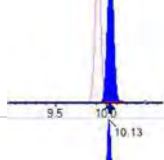
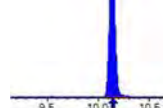
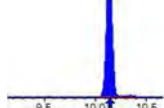
| Lab Sample ID | Analyte | True | Found | %R | Units | Control Limit |
|---------------|-----------|------|-------|------|-------|---------------|
| SB03769-CCV2 | PFBA | 20.0 | 18.2 | 91.0 | ng/mL | +/- 30.00% |
| | PFPEA | 10.0 | 9.32 | 93.2 | ng/mL | +/- 30.00% |
| | PFHXA | 5.00 | 4.73 | 94.5 | ng/mL | +/- 30.00% |
| | PFHPA | 5.00 | 4.42 | 88.4 | ng/mL | +/- 30.00% |
| | PFOA | 5.00 | 4.56 | 91.2 | ng/mL | +/- 30.00% |
| | PFNA | 5.00 | 4.74 | 94.9 | ng/mL | +/- 30.00% |
| | PFDA | 5.00 | 4.58 | 91.5 | ng/mL | +/- 30.00% |
| | PFUnA | 5.00 | 5.71 | 114 | ng/mL | +/- 30.00% |
| | PFDOA | 5.00 | 4.45 | 88.9 | ng/mL | +/- 30.00% |
| | PFTRDA | 5.00 | 4.65 | 93.0 | ng/mL | +/- 30.00% |
| | PFTEDA | 5.00 | 3.91 | 78.2 | ng/mL | +/- 30.00% |
| | PFBS | 4.42 | 3.98 | 90.0 | ng/mL | +/- 30.00% |
| | PFPEs | 4.70 | 4.25 | 90.4 | ng/mL | +/- 30.00% |
| | PFHXs | 4.58 | 4.17 | 91.0 | ng/mL | +/- 30.00% |
| | PFHPS | 4.78 | 4.41 | 92.3 | ng/mL | +/- 30.00% |
| | PFOS | 4.65 | 4.84 | 104 | ng/mL | +/- 30.00% |
| | PFNS | 4.80 | 4.89 | 102 | ng/mL | +/- 30.00% |
| | PFDS | 4.82 | 4.97 | 103 | ng/mL | +/- 30.00% |
| | 4:2FTS | 18.8 | 16.6 | 88.1 | ng/mL | +/- 30.00% |
| | 6:2FTS | 19.0 | 18.3 | 96.5 | ng/mL | +/- 30.00% |
| | 8:2FTS | 19.2 | 18.0 | 93.6 | ng/mL | +/- 30.00% |
| | PFOSA | 5.00 | 4.13 | 82.6 | ng/mL | +/- 30.00% |
| | NMeFOSA | 20.0 | 18.7 | 93.6 | ng/mL | +/- 30.00% |
| | NEtFOSA | 20.0 | 18.0 | 90.0 | ng/mL | +/- 30.00% |
| | NMeFOSAAb | 5.00 | 4.13 | 82.6 | ng/mL | +/- 30.00% |
| | NEtFOSAAb | 5.00 | 4.96 | 99.1 | ng/mL | +/- 30.00% |
| | NMeFOSE | 20.0 | 18.6 | 93.1 | ng/mL | +/- 30.00% |
| | NEtFOSE | 20.0 | 18.7 | 93.5 | ng/mL | +/- 30.00% |
| | HFPO-DA | 10.0 | 9.84 | 98.4 | ng/mL | +/- 30.00% |
| | ADONA | 9.45 | 8.75 | 92.6 | ng/mL | +/- 30.00% |

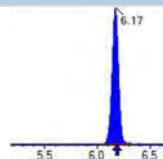
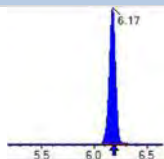
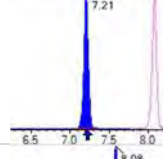
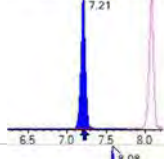
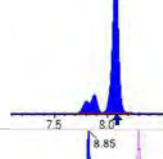
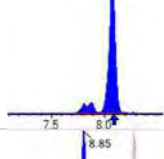
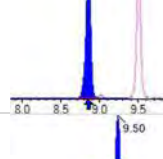
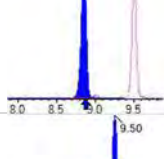
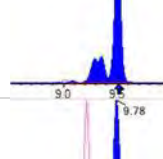
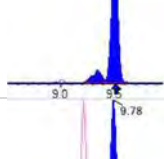
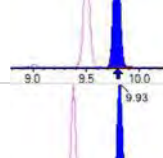
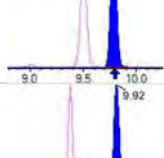
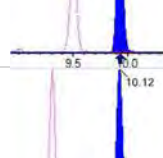
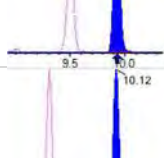
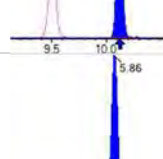
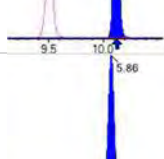
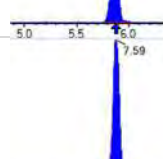
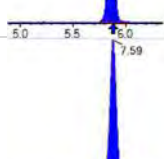
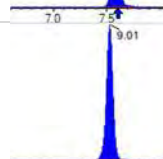
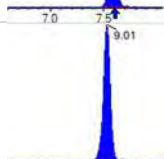
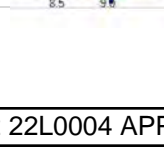
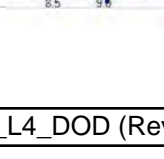
INITIAL AND CONTINUING CALIBRATION CHECK

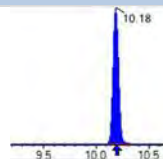
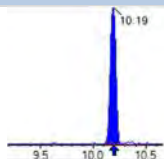
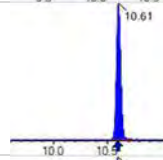
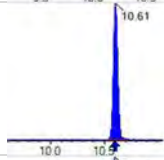
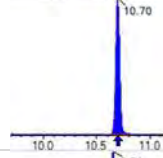
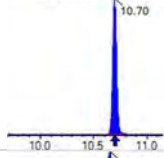
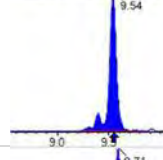
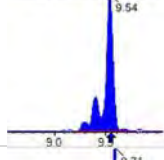
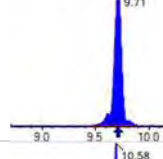
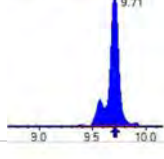
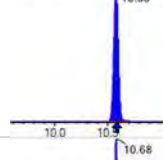
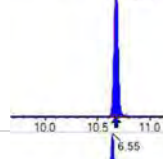
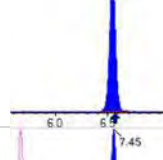
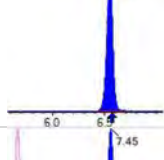
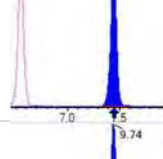
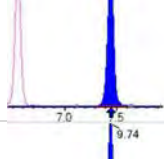
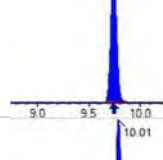
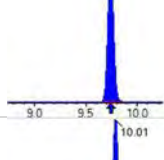
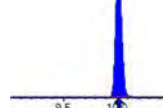
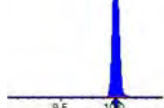
Table B-15b

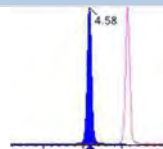
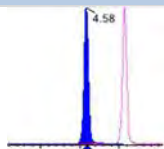
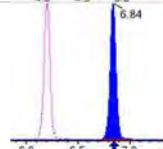
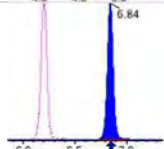
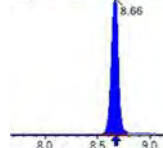
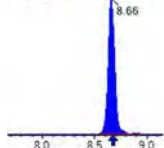
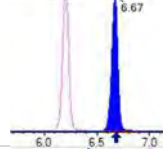
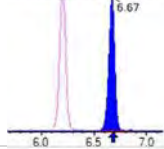
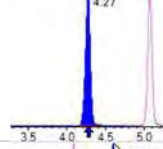
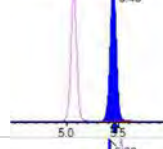
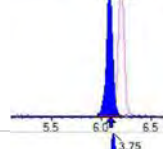
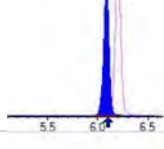
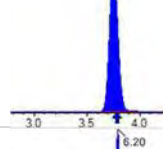
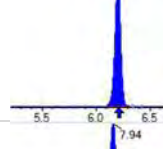
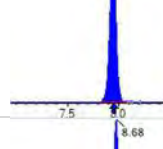
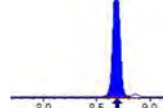
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| Client: | Tidewater, Inc. | Project: | NASA JPL S1b |
| Instrument ID: | Saphirab | Calibration: | 2250016b |
| Standard ID: | 22L0180 | Sequence: | SB03769b |

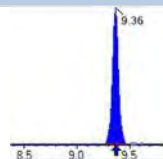
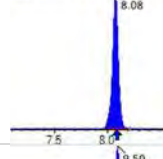
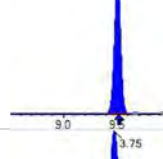
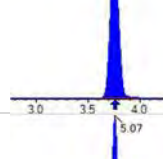
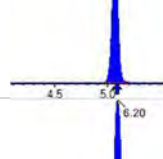
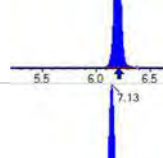
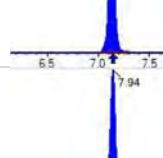
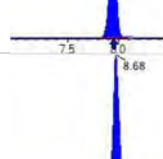
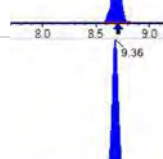
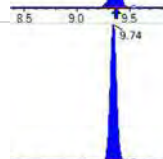
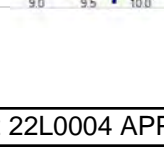
| Lab Sample ID | Analyte | True | Found | %R | Units | Control Limit |
|---------------|--------------|------|-------|-----|-------|---------------|
| SB03769-CCV2 | 9CL-PF3ONS | 9.35 | 9.81 | 105 | ng/mL | +/- 30.00% |
| | 11CL-PF3OUDS | 9.45 | 9.66 | 102 | ng/mL | +/- 30.00% |

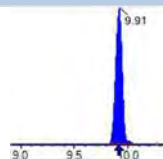
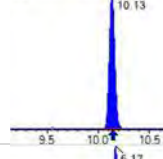
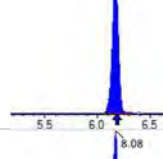
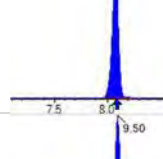
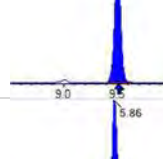
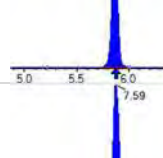
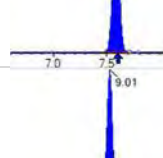
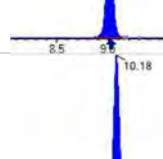
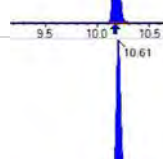
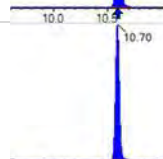
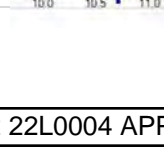
| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|---------|--|--|-----------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| PFBA | (212.9 / 169.0) 1173553 | (3.75, 1.00) (0.00, N/A, 0.0) | 67.3 | N/A 0.0 0.0 | 18.2042 [20.0000] | 91.0% |  | | |
| PFPeA | (262.9 / 219.0) 736826 (262.9 / 69.0) 8539 | (5.07, 1.00) (0.00, N/A, 0.0) | 1060.8 243.9 | 0.0116 99.5 104.8 | 9.3197 [10.0000] | 93.2% |  |  | |
| PFHxA | (313.0 / 269.0) 602130 (313.0 / 119.0) 61560 | (6.20, 1.00) (0.00, N/A, 0.0) | 703.0 479.6 | 0.1022 113.7 104.4 | 4.7270 [5.0000] | 94.5% |  |  | |
| PFHpA | (363.0 / 319.0) 505962 (363.0 / 169.0) 147228 | (7.13, 1.00) (0.00, N/A, 0.1) | 854.1 619.8 | 0.2910 101.4 102.9 | 4.4208 [5.0000] | 88.4% |  |  | |
| PFOA | (413.0 / 369.0) 596182 (413.0 / 169.0) 182264 | (7.94, 1.00) (0.00, N/A, -0.1) | 742.0 927.6 | 0.3057 94.5 94.5 | 4.5594 [5.0000] | 91.2% |  |  | |
| PFNA | (463.0 / 419.0) 418714 (463.0 / 169.0) 93721 | (8.69, 1.00) (0.00, N/A, 0.1) | 430.6 123.1 | 0.2238 111.2 106.3 | 4.7426 [5.0000] | 94.9% |  |  | |
| PFDA | (513.0 / 469.0) 574652 (513.0 / 169.0) 60409 | (9.36, 1.00) (0.00, N/A, 0.4) | 667.2 407.1 | 0.1051 118.4 105.8 | 4.5764 [5.0000] | 91.5% |  |  | |
| PFUnA | (563.0 / 519.0) 706009 (563.0 / 169.0) 73431 | (9.74, 1.00) (0.00, N/A, 0.0) | 693.8 308.7 | 0.1040 96.8 104.6 | 5.7089 [5.0000] | 114.2% |  |  | |
| PFDoA | (613.0 / 569.0) 807060 (613.0 / 169.0) 129820 | (9.91, 1.00) (-0.01, N/A, 0.0) | 620.8 381.5 | 0.1609 135.1 104.6 | 4.4454 [5.0000] | 88.9% |  |  | |
| PFTTrDA | (663.0 / 619.0) 741853 (663.0 / 169.0) 140753 | (10.03, 1.01) (N/A, 0.00, -0.4) | 775.0 447.4 | 0.1897 101.9 90.3 | 4.6520 [5.0000] | 93.0% |  |  | |
| PFTTeDA | (713.0 / 669.0) 620225 (713.0 / 169.0) 113015 | (10.13, 1.00) (0.00, N/A, 0.0) | 914.1 259.5 | 0.1822 92.6 90.6 | 3.9104 [5.0000] | 78.2% |  |  | |

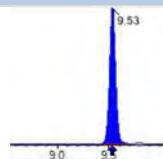
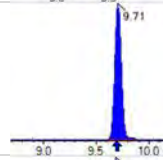
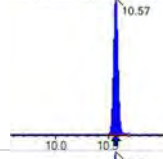
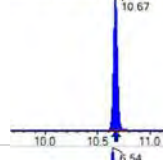
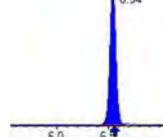
| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|---------|--|--|--------------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| PFBS | (298.9 / 80.0) 743014 (298.9 / 99.0) 476720 | (6.17, 1.00) (0.00, N/A, -0.1) | 791.9 968.5 | 0.6416 94.7 94.8 | 3.9759 [4.4237] | 89.9% |  |  | |
| PFPeS | (349.0 / 80.0) 1475985 (349.0 / 99.0) 530638 | (7.21, 0.89) (N/A, -0.01, -0.1) | 1116.5 917.1 | 0.3595 98.6 107.0 | 4.2499 [4.6919] | 90.6% |  |  | |
| PFHxS | (399.0 / 80.0) 1283128 (399.0 / 99.0) 430138 | (8.08, 1.00) (0.00, N/A, 0.1) | 21094.6 49695.6 | 0.3352 97.2 101.6 | 4.1666 [4.5549] | 91.5% |  |  | |
| PFHpS | (449.0 / 80.0) 1090942 (449.0 / 99.0) 332353 | (8.85, 0.93) (N/A, -0.01, 0.0) | 895.1 724.6 | 0.3046 107.2 107.4 | 4.4118 [4.7570] | 92.7% |  |  | |
| PFOS | (499.0 / 80.0) 1481212 (499.0 / 99.0) 328321 | (9.50, 1.00) (0.00, N/A, 0.0) | 1471.6 179.9 | 0.2217 86.1 93.6 | 4.8356 [4.6375] | 104.3% |  |  | |
| PFNS | (549.0 / 80.0) 1757165 (549.0 / 99.0) 430122 | (9.78, 1.03) (N/A, 0.00, 0.1) | 1004.7 694.8 | 0.2448 102.4 104.6 | 4.8854 [4.7994] | 101.8% |  |  | |
| PFDS | (599.0 / 80.0) 2240486 (599.0 / 99.0) 538733 | (9.93, 1.04) (N/A, 0.00, 0.1) | 995.4 865.8 | 0.2405 103.4 99.2 | 4.9739 [4.8155] | 103.3% |  |  | |
| PFDoS | (698.9 / 80.0) 1288420 (698.9 / 99.0) 320239 | (10.12, 1.07) (N/A, 0.00, 0.2) | 615.1 640.5 | 0.2486 107.3 120.5 | 4.8227 [4.8478] | 99.5% |  |  | |
| 4:2FTS | (327.0 / 307.0) 1096178 (327.0 / 81.0) 644070 | (5.86, 1.00) (0.00, N/A, 0.1) | 1060.4 1056.4 | 0.5876 98.4 98.2 | 16.5704 [18.6906] | 88.7% |  |  | |
| 6:2FTS | (427.0 / 407.0) 669051 (427.0 / 81.0) 489378 | (7.59, 1.00) (0.00, N/A, 0.1) | 772.9 968.9 | 0.7315 101.7 103.0 | 18.3304 [18.9808] | 96.6% |  |  | |
| 8:2FTS | (527.0 / 507.0) 632160 (527.0 / 81.0) 394533 | (9.01, 1.00) (0.00, N/A, -0.1) | 761.6 550.9 | 0.6241 100.1 101.2 | 17.9786 [19.1658] | 93.8% |  |  | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|--------------|--|--|-------------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| PFOSA | (498.0 / 78.0) 1971317 (498.0 / 478.0) 46381 | (10.18, 1.00) (0.00, N/A, -0.2) | 661.0 288.8 | 0.0235 98.6 93.2 | 4.1292 [5.0000] | 82.6% |  |  | |
| NMeFOSA | (511.9 / 219.0) 2046960 (511.9 / 169.0) 1358885 | (10.61, 1.00) (0.00, N/A, 0.0) | 862.9 836.7 | 0.6639 99.5 102.5 | 18.7244 [20.0000] | 93.6% |  |  | |
| NEIFOSA | (526.0 / 219.0) 2190406 (526.0 / 169.0) 2259831 | (10.70, 1.00) (0.00, N/A, 0.0) | 1118.9 886.1 | 1.0317 94.7 99.9 | 18.0091 [20.0000] | 90.0% |  |  | |
| NMeFOSAA | (570.0 / 419.0) 272378 (570.0 / 483.0) 119968 | (9.54, 1.00) (0.01, N/A, 0.1) | 396.5 306.8 | 0.4404 95.0 81.1 | 4.1277 [5.0000] | 82.6% |  |  | |
| NEIFOSAA | (584.0 / 419.0) 283352 (584.0 / 526.0) 166702 | (9.71, 1.00) (0.01, N/A, 0.2) | 883.1 202071.2 | 0.5883 97.0 94.8 | 4.9572 [5.0000] | 99.1% |  |  | |
| NMeFOSE | (616.1 / 59.0) 598471 | (10.58, 1.00) (0.01, N/A, 0.0) | 1035.7 | N/A 0.0 0.0 | 18.6258 [20.0000] | 93.1% |  | | |
| NEtFOSE | (630.0 / 59.0) 146444 | (10.68, 1.00) (0.01, N/A, 0.0) | 912.1 | N/A 0.0 0.0 | 18.7040 [20.0000] | 93.5% |  | | |
| HFPO-DA | (285.0 / 169.0) 545372 (285.0 / 185.0) 1517766 | (6.55, 1.00) (0.00, N/A, -0.1) | 720.9 1059.4 | 2.7830 100.4 90.4 | 9.8368 [10.0000] | 98.4% |  |  | |
| ADONA | (377.0 / 85.0) 1961825 (377.0 / 251.0) 233735 | (7.45, 1.14) (N/A, -0.01, 0.1) | 958.9 582.5 | 0.1191 94.8 100.7 | 8.7511 [9.4270] | 92.8% |  |  | |
| 9CI-Pf3ONS | (531.0 / 351.0) 6049036 (533.0 / 353.0) 1925888 | (9.74, 1.49) (N/A, 0.00, 0.0) | 950.1 891.8 | 0.3184 95.4 106.3 | 9.8055 [9.3325] | 105.1% |  |  | |
| 11CI-PF3OUDS | (631.0 / 451.0) 4101435 (633.0 / 453.0) 1188408 | (10.01, 1.53) (N/A, 0.00, -0.1) | 693.6 1102.0 | 0.2898 89.6 86.8 | 9.6629 [9.4321] | 102.4% |  |  | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|----------------|--|--|----------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| 3:3FTCA | (241.0 / 177.0) 67359 (241.0 / 117.0) 112820 | (4.58, 0.90) (N/A, -0.01, 0.1) | 863.5 615.5 | 1.6749 96.2 98.0 | 17.3429 [20.0000] | 86.7% |  |  | |
| 5:3FTCA | (341.0 / 236.7) 447811 (341.0 / 217.0) 806689 | (6.84, 1.10) (N/A, -0.01, -0.2) | 395.0 626.6 | 1.8014 105.5 110.0 | 16.5470 [20.0000] | 82.7% |  |  | |
| 7:3FTCA | (441.0 / 317.0) 590364 (441.0 / 337.0) 497594 | (8.66, 1.40) (N/A, -0.01, 0.3) | 487.1 506.3 | 0.8429 102.2 105.9 | 16.9430 [20.0000] | 84.7% |  |  | |
| PFEESA | (315.0 / 135.0) 1023277 (315.0 / 83.0) 323983 | (6.67, 1.08) (N/A, -0.01, 0.0) | 938.9 743.9 | 0.3166 106.5 97.2 | 7.8560 [8.9246] | 88.0% |  |  | |
| PFMPA | (229.0 / 85.0) 197175 | (4.27, 0.84) (N/A, -0.01, 0.0) | 898.2 | N/A 0.0 0.0 | 9.0570 [10.0000] | 90.6% |  | | |
| PFMBA | (279.0 / 85.0) 675394 | (5.45, 1.08) (N/A, -0.01, 0.0) | 933.5 | N/A 0.0 0.0 | 9.9541 [10.0000] | 99.5% |  | | |
| NFDHA | (201.0 / 85.0) 27247 (295.0 / 201.0) 170479 | (6.08, 0.98) (N/A, -0.01, -0.2) | 343.9 654.8 | 6.2569 89.4 108.7 | 8.8040 [10.0000] | 88.0% |  |  | |
| 13C3_PFBA_IIS | (216.0 / 172.0) 87255 | (3.75, N/A) (N/A, -0.02, N/A) | 801.8 | N/A | 0.9077 [1.0000] | 90.8% { 99.7% } |  | | |
| 13C2_PFHxA_IIS | (315.1 / 270.0) 117075 | (6.20, N/A) (N/A, -0.01, N/A) | 565.1 | N/A | 0.9481 [1.0000] | 94.8% { 90.3% } |  | | |
| 13C4_PFOA_IIS | (417.0 / 372.0) 111059 | (7.94, N/A) (N/A, -0.01, N/A) | 443.2 | N/A | 0.9368 [1.0000] | 93.7% { 91.4% } |  | | |
| 13C5_PFNA_IIS | (468.0 / 423.0) 87888 | (8.68, N/A) (N/A, -0.01, N/A) | 424.6 | N/A | 0.9228 [1.0000] | 92.3% { 89.5% } |  | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|----------------|------------------------------|--|--------|-------------------------------------|---------------------------------|---------------------------|---|----------------------------|------|
| 13C2_PFDA_IIS | (515.1 / 470.1) 96690 | (9.36, N/A) (N/A, 0.00, N/A) | 393.8 | N/A | 1.1737 [1.0000] | 117.4% { 107.3% } |  | | |
| 18O2_PFHxS_IIS | (403.0 / 83.9) 219045 | (8.08, N/A) (N/A, -0.01, N/A) | 689.1 | N/A | 1.0206 [1.0000] | 102.1% { 104.6% } |  | | |
| 13C4_PFOS_IIS | (502.8 / 79.9) 193524 | (9.50, N/A) (N/A, -0.01, N/A) | 229.1 | N/A | 1.0398 [1.0000] | 104.0% { 101.3% } |  | | |
| 13C4_PFBA_EIS | (217.0 / 172.0) 677320 | (3.75, N/A) (N/A, -0.01, N/A) | 926.6 | N/A | 8.2798 [8.0000] | 103.5% { 103.4% } |  | | |
| 13C5_PFPeA_EIS | (267.9 / 223.0) 328974 | (5.07, N/A) (N/A, -0.01, N/A) | 944.0 | N/A | 3.8521 [4.0000] | 96.3% { 94.6% } |  | | |
| 13C5_PFHxA_EIS | (318.0 / 273.0) 252764 | (6.20, N/A) (N/A, -0.01, N/A) | 501.1 | N/A | 2.1167 [2.0000] | 105.8% { 96.3% } |  | | |
| 13C4_PFHpA_EIS | (367.0 / 322.0) 225966 | (7.13, N/A) (N/A, -0.01, N/A) | 800.3 | N/A | 2.0964 [2.0000] | 104.8% { 91.1% } |  | | |
| 13C8_PFOA_EIS | (421.0 / 376.0) 253692 | (7.94, N/A) (N/A, -0.01, N/A) | 620.3 | N/A | 2.2458 [2.0000] | 112.3% { 97.2% } |  | | |
| 13C9_PFNA_EIS | (472.0 / 427.0) 91577 | (8.68, N/A) (N/A, -0.01, N/A) | 407.6 | N/A | 1.0559 [1.0000] | 105.6% { 109.9% } |  | | |
| 13C6_PFDA_EIS | (519.0 / 474.0) 123775 | (9.36, N/A) (N/A, -0.01, N/A) | 276.5 | N/A | 0.8813 [1.0000] | 88.1% { 106.4% } |  | | |
| 13C7_PFUnA_EIS | (570.0 / 525.0) 140483 | (9.74, N/A) (N/A, 0.00, N/A) | 1099.2 | N/A | 0.7452 [1.0000] | 74.5% { 69.8% } |  | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|-----------------|------------------------------|--|--------|-------------------------------------|---------------------------------|---------------------------|---|----------------------------|------|
| 13C2_PFDa_EIS | (615.0 / 570.0) 197312 | (9.91, N/A) (N/A, 0.01, N/A) | 322.3 | N/A | 0.8624 [1.0000] | 86.2% { 102.1% } |  | | |
| 13C2_PFTeDA_EIS | (715.0 / 670.0) 160905 | (10.13, N/A) (N/A, -0.01, N/A) | 2802.9 | N/A | 0.9580 [1.0000] | 95.8% { 124.0% } |  | | |
| 13C3_PFBs_EIS | (302.0 / 80.0) 612206 | (6.17, N/A) (N/A, -0.01, N/A) | 764.1 | N/A | 1.9017 [2.0000] | 95.1% { 92.5% } |  | | |
| 13C3_PFHxS_EIS | (402.0 / 80.0) 367352 | (8.08, N/A) (N/A, -0.01, N/A) | 666.7 | N/A | 2.0047 [2.0000] | 100.2% { 104.1% } |  | | |
| 13C8_PFOS_EIS | (507.0 / 80.0) 545683 | (9.50, N/A) (N/A, -0.01, N/A) | 330.0 | N/A | 1.8497 [2.0000] | 92.5% { 91.0% } |  | | |
| 13C2_4:2FTS_EIS | (329.0 / 81.0) 75746 | (5.86, N/A) (N/A, -0.01, N/A) | 557.5 | N/A | 4.1719 [4.0000] | 104.3% { 105.9% } |  | | |
| 13C2_6:2FTS_EIS | (429.0 / 81.0) 92040 | (7.59, N/A) (N/A, -0.01, N/A) | 537.6 | N/A | 3.7785 [4.0000] | 94.5% { 102.3% } |  | | |
| 13C2_8:2FTS_EIS | (529.0 / 81.0) 89561 | (9.01, N/A) (N/A, -0.01, N/A) | 330.9 | N/A | 4.2361 [4.0000] | 105.9% { 103.3% } |  | | |
| 13C8_PFOsa_EIS | (506.0 / 78.0) 859765 | (10.18, N/A) (N/A, 0.00, N/A) | 494.6 | N/A | 1.9090 [2.0000] | 95.5% { 98.0% } |  | | |
| D3_NMeFOSA_EIS | (515.0 / 169.0) 237885 | (10.61, N/A) (N/A, 0.00, N/A) | 750.1 | N/A | 1.7849 [2.0000] | 89.2% { 99.8% } |  | | |
| D5_NEiFOSA_EIS | (531.1 / 169.0) 234889 | (10.70, N/A) (N/A, 0.00, N/A) | 933.4 | N/A | 1.9438 [2.0000] | 97.2% { 103.3% } |  | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-I[μ min], Δ RT- CV[μ min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|-----------------|------------------------------|---|--------|-------------------------------------|---------------------------------|---------------------------|--|----------------------------|------|
| D3_MeFOSAA_EIS | (573.0 / 419.0) 302671 | (9.53, N/A) (N/A, 0.00, N/A) | 222.3 | N/A | 4.6114 [4.0000] | 115.3% { 111.7% } |  | | |
| D5_EtFOSAA_EIS | (589.0 / 419.0) 249150 | (9.71, N/A) (N/A, 0.00, N/A) | 508.1 | N/A | 4.4166 [4.0000] | 110.4% { 113.1% } |  | | |
| D7_NMeFOSE_EIS | (623.2 / 58.9) 457084 | (10.57, N/A) (N/A, 0.00, N/A) | 930.4 | N/A | 20.0798 [20.0000] | 100.4% { 96.1% } |  | | |
| D9_NEtFOSE_EIS | (639.2 / 58.9) 228684 | (10.67, N/A) (N/A, 0.00, N/A) | 1313.4 | N/A | 19.7165 [20.0000] | 98.6% { 96.4% } |  | | |
| 13C3_HFPODA_EIS | (287.0 / 169.0) 667823 | (6.54, N/A) (N/A, -0.01, N/A) | 665.3 | N/A | 8.4913 [8.0000] | 106.1% { 99.5% } |  | | |

INITIAL AND CONTINUING CALIBRATION CHECK

Table B-15b

| | | | |
|-----------------|------------------|---------------|--------------|
| Laboratory:b | APPL, LLC | Work Order:b | 22L0004b |
| Client:b | Tidewater, Inc.b | Project:b | NASA JPL Slb |
| Instrument ID:b | Saphirab | Calibration:b | 2250016b |
| Standard ID:b | 22L0180 | Sequence:b | SB03769b |

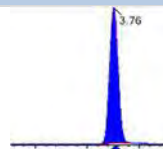
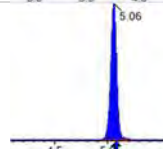
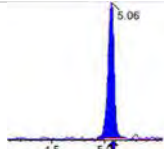
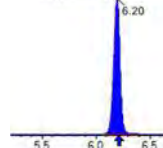
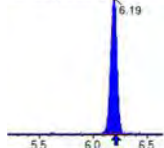
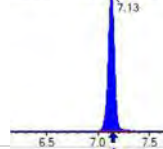
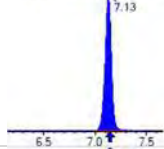
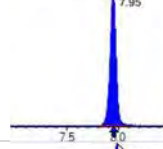
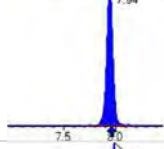
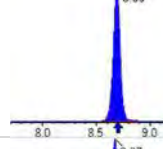
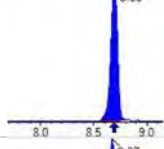
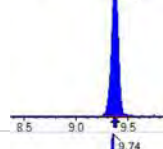
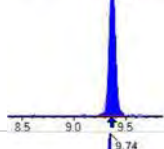
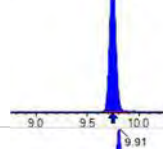
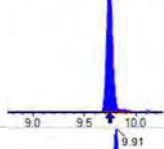
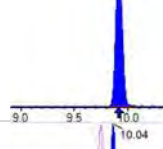
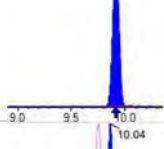
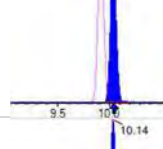
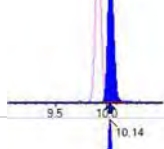
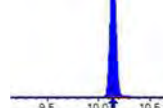
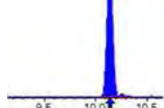
| Lab Sample ID | Analyte | True | Found | %R | Units | Control Limit |
|---------------|-----------|-------|-------|-------|--------|---------------|
| SB03769-CCV3b | PFBA | 20.0b | 17.1b | 85.5b | ng/mLb | +/- 30.00%b |
| | PFPE | 10.0b | 9.59b | 95.9b | ng/mLb | +/- 30.00%b |
| | PFHX | 5.00b | 4.44b | 88.7b | ng/mLb | +/- 30.00%b |
| | PFHP | 5.00b | 4.38b | 87.5b | ng/mLb | +/- 30.00%b |
| | PFO | 5.00b | 4.86b | 97.3b | ng/mLb | +/- 30.00%b |
| | PFNA | 5.00b | 4.27b | 85.4b | ng/mLb | +/- 30.00%b |
| | PFDA | 5.00b | 3.63b | 72.6b | ng/mLb | +/- 30.00%b |
| | PFUn | 5.00b | 5.03b | 101b | ng/mLb | +/- 30.00%b |
| | PFDO | 5.00b | 4.59b | 91.7b | ng/mLb | +/- 30.00%b |
| | PFTRDA | 5.00b | 4.47b | 89.4b | ng/mLb | +/- 30.00%b |
| | PFTEDA | 5.00b | 5.15b | 103b | ng/mLb | +/- 30.00%b |
| | PFBS | 4.42b | 4.13b | 93.4b | ng/mLb | +/- 30.00%b |
| | PFPEs | 4.70b | 4.60b | 98.0b | ng/mLb | +/- 30.00%b |
| | PFHXs | 4.58b | 4.36b | 95.2b | ng/mLb | +/- 30.00%b |
| | PFHPS | 4.78b | 4.50b | 94.1b | ng/mLb | +/- 30.00%b |
| | PFOS | 4.65b | 4.31b | 92.7b | ng/mLb | +/- 30.00%b |
| | PFNS | 4.80b | 4.60b | 95.9b | ng/mLb | +/- 30.00%b |
| | PFDS | 4.82b | 4.40b | 91.3b | ng/mLb | +/- 30.00%b |
| | 4:2FTS | 18.8b | 17.5b | 93.0b | ng/mLb | +/- 30.00%b |
| | 6:2FTS | 19.0b | 18.1b | 95.2b | ng/mLb | +/- 30.00%b |
| | 8:2FTS | 19.2b | 20.4b | 106b | ng/mLb | +/- 30.00%b |
| | PFOSAb | 5.00b | 4.66b | 93.1b | ng/mLb | +/- 30.00%b |
| | NMeFOSAb | 20.0b | 17.9b | 89.6b | ng/mLb | +/- 30.00%b |
| | NEtFOSAb | 20.0b | 17.5b | 87.3b | ng/mLb | +/- 30.00%b |
| | NMeFOSAAb | 5.00b | 4.73b | 94.7b | ng/mLb | +/- 30.00%b |
| | NEtFOSAAb | 5.00b | 4.37b | 87.5b | ng/mLb | +/- 30.00%b |
| | NMeFOSEb | 20.0b | 18.2b | 90.8b | ng/mLb | +/- 30.00%b |
| | NEtFOSEb | 20.0b | 17.9b | 89.6b | ng/mLb | +/- 30.00%b |
| | HFPO-DAb | 10.0b | 9.48b | 94.8b | ng/mLb | +/- 30.00%b |
| | ADONAb | 9.45b | 8.88b | 94.0b | ng/mLb | +/- 30.00%b |

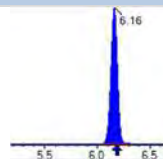
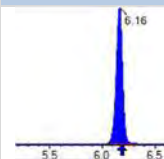
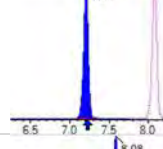
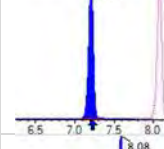
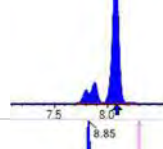
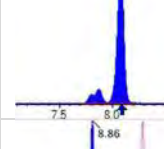
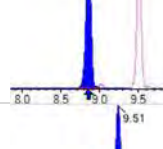
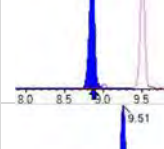
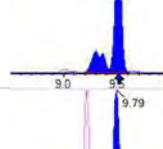
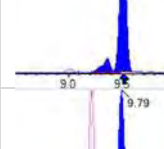
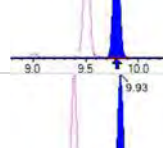
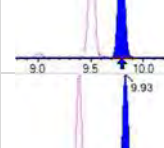
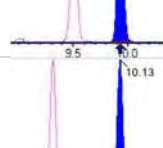
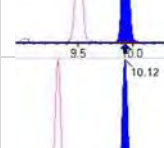
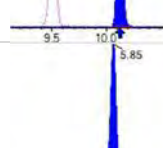
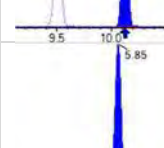
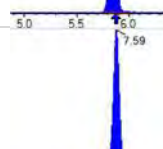
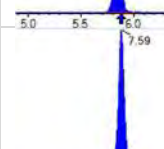
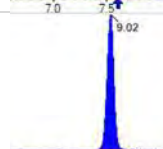
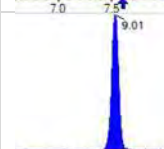
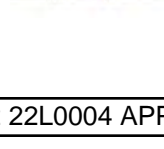
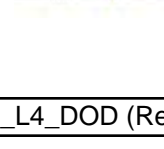
INITIAL AND CONTINUING CALIBRATION CHECK

Table B-15

| | | | |
|----------------|-----------------|--------------|--------------|
| Laboratory: | APPL, LLC | Work Order: | 22L0004 |
| Client: | Tidewater, Inc. | Project: | NASA JPL S1b |
| Instrument ID: | Saphirab | Calibration: | 2250016b |
| Standard ID: | 22L0180 | Sequence: | SB03769b |

| Lab Sample ID | Analyte | True | Found | %R | Units | Control Limit |
|---------------|--------------|------|-------|------|-------|---------------|
| SB03769-CCV3 | 9CL-PF3ONS | 9.35 | 9.66 | 103 | ng/mL | +/- 30.00% |
| | 11CL-PF3OUDS | 9.45 | 8.90 | 94.1 | ng/mL | +/- 30.00% |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|---------|--|--|-----------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| PFBA | (212.9 / 169.0) 1100552 | (3.76, 1.00) (0.00, N/A, 0.0) | 68.7 | N/A 0.0 0.0 | 17.0935 [20.0000] | 85.5% |  | | |
| PFPeA | (262.9 / 219.0) 759876 (262.9 / 69.0) 7734 | (5.06, 1.00) (0.00, N/A, -0.3) | 986.4 191.5 | 0.0102 87.4 92.0 | 9.5869 [10.0000] | 95.9% |  |  | |
| PFHxA | (313.0 / 269.0) 558901 (313.0 / 119.0) 64173 | (6.20, 1.00) (0.00, N/A, 0.0) | 613.3 584.9 | 0.1148 127.7 117.3 | 4.4372 [5.0000] | 88.7% |  |  | |
| PFHpA | (363.0 / 319.0) 550069 (363.0 / 169.0) 163191 | (7.13, 1.00) (0.00, N/A, 0.0) | 656.4 713.2 | 0.2967 103.4 105.0 | 4.3754 [5.0000] | 87.5% |  |  | |
| PFOA | (413.0 / 369.0) 576094 (413.0 / 169.0) 183914 | (7.95, 1.00) (0.00, N/A, 0.1) | 737.5 617.2 | 0.3192 98.7 98.6 | 4.8634 [5.0000] | 97.3% |  |  | |
| PFNA | (463.0 / 419.0) 408564 (463.0 / 169.0) 94160 | (8.69, 1.00) (0.00, N/A, -0.2) | 632.5 87.3 | 0.2305 114.5 109.4 | 4.2685 [5.0000] | 85.4% |  |  | |
| PFDA | (513.0 / 469.0) 560397 (513.0 / 169.0) 67478 | (9.37, 1.00) (0.01, N/A, 0.0) | 614.0 433.6 | 0.1204 135.6 121.2 | 3.6294 [5.0000] | 72.6% |  |  | |
| PFUnA | (563.0 / 519.0) 721410 (563.0 / 169.0) 62786 | (9.74, 1.00) (0.00, N/A, 0.0) | 585.5 369.4 | 0.0870 81.0 87.5 | 5.0309 [5.0000] | 100.6% |  |  | |
| PFDoA | (613.0 / 569.0) 872732 (613.0 / 169.0) 113071 | (9.91, 1.00) (0.00, N/A, 0.0) | 703.2 408.5 | 0.1296 108.8 84.3 | 4.5873 [5.0000] | 91.7% |  |  | |
| PFTrDA | (663.0 / 619.0) 746739 (663.0 / 169.0) 149498 | (10.04, 1.01) (N/A, 0.00, 0.0) | 1044.5 335.5 | 0.2002 107.5 95.3 | 4.4685 [5.0000] | 89.4% |  |  | |
| PFTeDA | (713.0 / 669.0) 641211 (713.0 / 169.0) 128962 | (10.14, 1.00) (0.00, N/A, 0.2) | 575.8 241.9 | 0.2011 102.2 100.0 | 5.1542 [5.0000] | 103.1% |  |  | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|---------|--|--|-----------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| PFBS | (298.9 / 80.0) 780836 (298.9 / 99.0) 506396 | (6.16, 1.00) (0.00, N/A, -0.1) | 981.5 949.0 | 0.6485 95.7 95.8 | 4.1304 [4.4237] | 93.4% |  |  | |
| PFPeS | (349.0 / 80.0) 1532963 (349.0 / 99.0) 520704 | (7.21, 0.89) (N/A, -0.01, 0.0) | 953.8 1066.1 | 0.3397 93.1 101.1 | 4.6048 [4.6919] | 98.1% |  |  | |
| PFHxS | (399.0 / 80.0) 1287068 (399.0 / 99.0) 405589 | (8.08, 1.00) (0.00, N/A, 0.0) | 5078.2 761.1 | 0.3151 91.4 95.5 | 4.3601 [4.5549] | 95.7% |  |  | |
| PFHpS | (449.0 / 80.0) 1236634 (449.0 / 99.0) 319946 | (8.85, 0.93) (N/A, -0.01, -0.2) | 1003.3 680.5 | 0.2587 91.0 91.2 | 4.5003 [4.7570] | 94.6% |  |  | |
| PFOS | (499.0 / 80.0) 1467557 (499.0 / 99.0) 321938 | (9.51, 1.00) (0.00, N/A, 0.1) | 137.0 179.8 | 0.2194 85.2 92.7 | 4.3114 [4.6375] | 93.0% |  |  | |
| PFNS | (549.0 / 80.0) 1840459 (549.0 / 99.0) 494856 | (9.79, 1.03) (N/A, 0.00, 0.0) | 739.4 720.5 | 0.2689 112.5 114.9 | 4.6047 [4.7994] | 95.9% |  |  | |
| PFDS | (599.0 / 80.0) 2203023 (599.0 / 99.0) 536466 | (9.93, 1.04) (N/A, 0.00, 0.0) | 1194.7 728.4 | 0.2435 104.7 100.5 | 4.4010 [4.8155] | 91.4% |  |  | |
| PFDoS | (698.9 / 80.0) 1405864 (698.9 / 99.0) 331470 | (10.13, 1.06) (N/A, 0.00, 0.0) | 927.9 946.9 | 0.2358 101.8 114.3 | 4.7355 [4.8478] | 97.7% |  |  | |
| 4:2FTS | (327.0 / 307.0) 1080443 (327.0 / 81.0) 609997 | (5.85, 1.00) (0.00, N/A, -0.1) | 894.3 978.0 | 0.5646 94.5 94.4 | 17.4907 [18.6906] | 93.6% |  |  | |
| 6:2FTS | (427.0 / 407.0) 683920 (427.0 / 81.0) 528170 | (7.59, 1.00) (0.00, N/A, 0.0) | 868.1 941.1 | 0.7723 107.4 108.8 | 18.0814 [18.9808] | 95.3% |  |  | |
| 8:2FTS | (527.0 / 507.0) 585216 (527.0 / 81.0) 413684 | (9.02, 1.00) (0.00, N/A, 0.3) | 713.2 569.7 | 0.7069 113.4 114.7 | 20.3904 [19.1658] | 106.4% |  |  | |

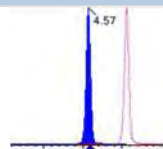
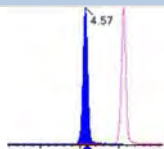
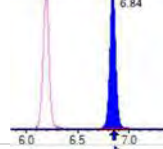
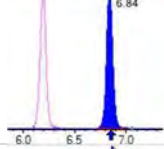
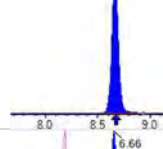
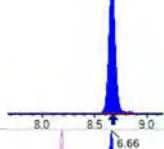
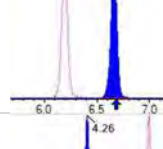
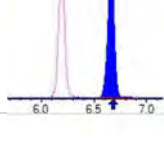
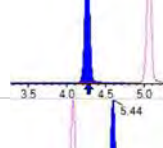
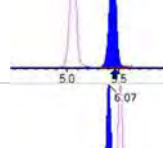
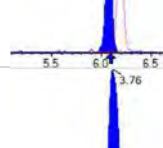
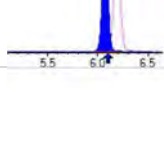
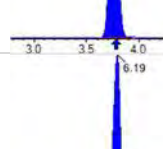
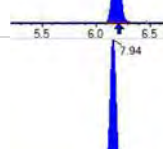
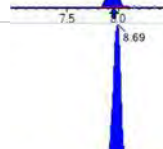
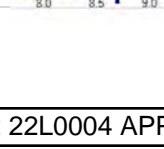


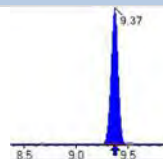
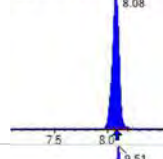
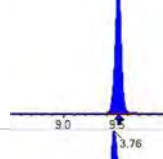
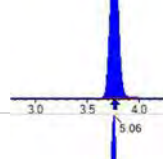
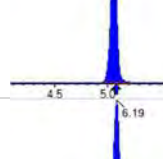
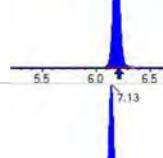
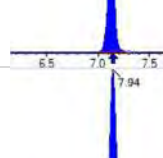
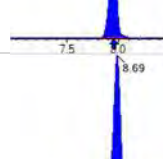
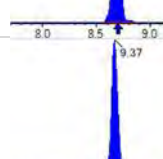
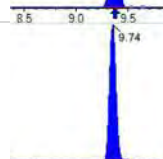
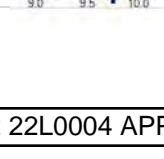
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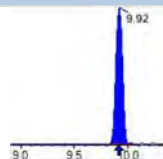
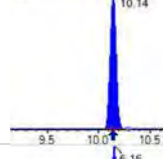
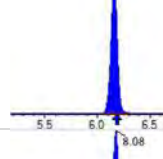
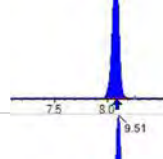
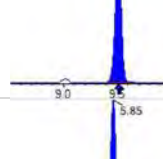
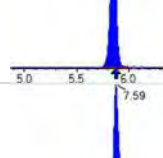
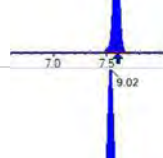
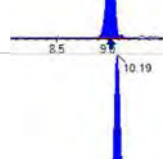
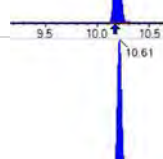
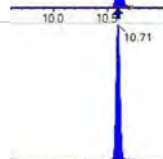
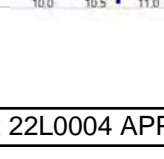
Sample I.D.: SB03769-CCV3
 DF, IV: 1, 10.0µL
 Acquisition Method: 1633 2022-12-07.dam

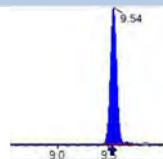
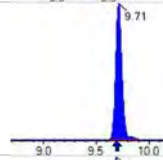
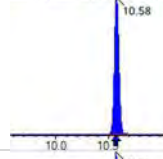
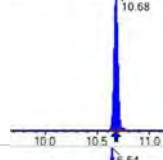
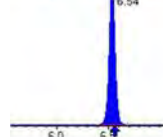
Quant Method: 1633 - S2022-12-07A
 Path: S2022-12-09B (36)
 Acquired: 2022/12/10 - 06:18

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|--------------|--|--|------------------|-------------------------------------|---------------------------------|---------------------------|-----------------------|----------------------------|------|
| PFOSA | (498.0 / 78.0) 2264730 (498.0 / 478.0) 48378 | (10.19 , 1.00) (0.00 , N/A , 0.0) | 584.1 467.6 | 0.0214 89.5 84.6 | 4.6555 [5.0000] | 93.1% | | | |
| NMeFOSA | (511.9 / 219.0) 2099387 (511.9 / 169.0) 1447930 | (10.62 , 1.00) (0.00 , N/A , 0.1) | 1033.9 642.2 | 0.6897 103.4 106.5 | 17.9165 [20.0000] | 89.6% | | | |
| NEIFOSA | (526.0 / 219.0) 2148197 (526.0 / 169.0) 2327478 | (10.71 , 1.00) (0.00 , N/A , 0.0) | 1248.2 1106.1 | 1.0835 89.4 104.9 | 17.4551 [20.0000] | 87.3% | | | |
| NMeFOSAA | (570.0 / 419.0) 277367 (570.0 / 483.0) 139986 | (9.55 , 1.00) (0.00 , N/A , 0.1) | 587.4 640.5 | 0.5047 108.8 92.9 | 4.7328 [5.0000] | 94.7% | | | |
| NEIFOSAA | (584.0 / 419.0) 259097 (584.0 / 526.0) 165742 | (9.71 , 1.00) (0.00 , N/A , 0.2) | 680.6 18649.2 | 0.6397 105.4 103.1 | 4.3735 [5.0000] | 87.5% | | | |
| NMeFOSE | (616.1 / 59.0) 593464 | (10.59 , 1.00) (0.01 , N/A , 0.0) | 908.9 | N/A 0.0 0.0 | 18.1509 [20.0000] | 90.8% | | | |
| NEtFOSE | (630.0 / 59.0) 158923 | (10.69 , 1.00) (0.01 , N/A , 0.0) | 963.5 | N/A 0.0 0.0 | 17.9244 [20.0000] | 89.6% | | | |
| HFPO-DA | (285.0 / 169.0) 526370 (285.0 / 185.0) 1414736 | (6.54 , 1.00) (0.00 , N/A , 0.1) | 973.3 1006.9 | 2.6877 96.9 87.3 | 9.4772 [10.0000] | 94.8% | | | |
| ADONA | (377.0 / 85.0) 1994541 (377.0 / 251.0) 241218 | (7.44 , 1.14) (N/A , -0.01 , -0.1) | 980.0 427.6 | 0.1209 96.2 102.2 | 8.8813 [9.4270] | 94.2% | | | |
| 9CI-Pf3ONS | (531.0 / 351.0) 5967296 (533.0 / 353.0) 1816624 | (9.74 , 1.49) (N/A , 0.00 , 0.1) | 1154.2 958.8 | 0.3044 91.2 101.6 | 9.6558 [9.3325] | 103.5% | | | |
| 11CI-PF3OUDS | (631.0 / 451.0) 3782611 (633.0 / 453.0) 1129681 | (10.02 , 1.53) (N/A , 0.01 , 0.1) | 1159.9 1110.8 | 0.2987 92.3 89.4 | 8.8960 [9.4321] | 94.3% | | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|----------------|--|--|----------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| 3:3FTCA | (241.0 / 177.0) 67229 (241.0 / 117.0) 113217 | (4.57, 0.90) (N/A, -0.03, 0.0) | 675.6 605.6 | 1.6840 96.8 98.5 | 17.2656 [20.0000] | 86.3% |  |  | |
| 5:3FTCA | (341.0 / 236.7) 494307 (341.0 / 217.0) 772475 | (6.84, 1.10) (N/A, -0.01, 0.1) | 571.0 666.0 | 1.5627 91.5 95.4 | 18.4718 [20.0000] | 92.4% |  |  | |
| 7:3FTCA | (441.0 / 317.0) 606361 (441.0 / 337.0) 545952 | (8.66, 1.40) (N/A, -0.01, 0.0) | 665.4 596.5 | 0.9004 109.2 113.2 | 17.5990 [20.0000] | 88.0% |  |  | |
| PFEESA | (315.0 / 135.0) 1020783 (315.0 / 83.0) 328011 | (6.66, 1.08) (N/A, -0.02, -0.1) | 785.0 612.4 | 0.3213 108.1 98.7 | 7.9255 [8.9246] | 88.8% |  |  | |
| PFMPA | (229.0 / 85.0) 214297 | (4.26, 0.84) (N/A, -0.02, 0.0) | 867.7 | N/A 0.0 0.0 | 9.8185 [10.0000] | 98.2% |  | | |
| PFMBA | (279.0 / 85.0) 669808 | (5.44, 1.08) (N/A, -0.02, 0.0) | 847.6 | N/A 0.0 0.0 | 9.8467 [10.0000] | 98.5% |  | | |
| NFDHA | (201.0 / 85.0) 30521 (295.0 / 201.0) 184203 | (6.07, 0.98) (N/A, -0.02, 0.1) | 395.2 687.4 | 6.0352 86.3 104.8 | 9.9866 [10.0000] | 99.9% |  |  | |
| 13C3_PFBa_IIS | (216.0 / 172.0) 86027 | (3.76, N/A) (N/A, -0.01, N/A) | 678.2 | N/A | 0.8949 [1.0000] | 89.5% { 98.3% } |  | | |
| 13C2_PFHxA_IIS | (315.1 / 270.0) 124526 | (6.19, N/A) (N/A, -0.02, N/A) | 684.9 | N/A | 1.0084 [1.0000] | 100.8% { 96.0% } |  | | |
| 13C4_PFOA_IIS | (417.0 / 372.0) 118358 | (7.94, N/A) (N/A, -0.01, N/A) | 524.1 | N/A | 0.9984 [1.0000] | 99.8% { 97.5% } |  | | |
| 13C5_PFNAl_IIS | (468.0 / 423.0) 107880 | (8.69, N/A) (N/A, 0.00, N/A) | 364.5 | N/A | 1.1327 [1.0000] | 113.3% { 109.8% } |  | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|----------------|------------------------------|--|-------|-------------------------------------|---------------------------------|---------------------------|---|----------------------------|------|
| 13C2_PFDA_IIS | (515.1 / 470.1) 96342 | (9.37, N/A) (N/A, 0.00, N/A) | 574.9 | N/A | 1.1694 [1.0000] | 116.9% { 106.9% } |  | | |
| 18O2_PFHxS_IIS | (403.0 / 83.9) 225110 | (8.08, N/A) (N/A, -0.01, N/A) | 652.4 | N/A | 1.0488 [1.0000] | 104.9% { 107.5% } |  | | |
| 13C4_PFOS_IIS | (502.8 / 79.9) 194951 | (9.51, N/A) (N/A, 0.00, N/A) | 497.5 | N/A | 1.0474 [1.0000] | 104.7% { 102.0% } |  | | |
| 13C4_PFBA_EIS | (217.0 / 172.0) 676463 | (3.76, N/A) (N/A, -0.01, N/A) | 966.3 | N/A | 8.3873 [8.0000] | 104.8% { 103.3% } |  | | |
| 13C5_PFPeA_EIS | (267.9 / 223.0) 329812 | (5.06, N/A) (N/A, -0.03, N/A) | 928.5 | N/A | 3.6308 [4.0000] | 90.8% { 94.9% } |  | | |
| 13C5_PFHxA_EIS | (318.0 / 273.0) 249936 | (6.19, N/A) (N/A, -0.02, N/A) | 750.9 | N/A | 1.9677 [2.0000] | 98.4% { 95.3% } |  | | |
| 13C4_PFHpA_EIS | (367.0 / 322.0) 248213 | (7.13, N/A) (N/A, -0.01, N/A) | 390.6 | N/A | 2.1650 [2.0000] | 108.2% { 100.1% } |  | | |
| 13C8_PFOA_EIS | (421.0 / 376.0) 229820 | (7.94, N/A) (N/A, -0.01, N/A) | 760.7 | N/A | 1.9090 [2.0000] | 95.5% { 88.1% } |  | | |
| 13C9_PFNA_EIS | (472.0 / 427.0) 99282 | (8.69, N/A) (N/A, 0.00, N/A) | 429.7 | N/A | 0.9326 [1.0000] | 93.3% { 119.2% } |  | | |
| 13C6_PFDA_EIS | (519.0 / 474.0) 152200 | (9.37, N/A) (N/A, -0.01, N/A) | 467.6 | N/A | 1.0876 [1.0000] | 108.8% { 130.9% } |  | | |
| 13C7_PFUnA_EIS | (570.0 / 525.0) 162893 | (9.74, N/A) (N/A, 0.00, N/A) | 650.8 | N/A | 0.8672 [1.0000] | 86.7% { 81.0% } |  | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|-----------------|------------------------------|--|-------|-------------------------------------|---------------------------------|---------------------------|---|----------------------------|------|
| 13C2_PFDa_EIS | (615.0 / 570.0) 206768 | (9.92, N/A) (N/A, 0.01, N/A) | 428.4 | N/A | 0.9070 [1.0000] | 90.7% { 107.0% } |  | | |
| 13C2_PFTeDA_EIS | (715.0 / 670.0) 126207 | (10.14, N/A) (N/A, 0.00, N/A) | 330.9 | N/A | 0.7541 [1.0000] | 75.4% { 97.2% } |  | | |
| 13C3_PFBs_EIS | (302.0 / 80.0) 619306 | (6.16, N/A) (N/A, -0.02, N/A) | 650.8 | N/A | 1.8719 [2.0000] | 93.6% { 93.6% } |  | | |
| 13C3_PFHxS_EIS | (402.0 / 80.0) 352127 | (8.08, N/A) (N/A, -0.01, N/A) | 796.6 | N/A | 1.8698 [2.0000] | 93.5% { 99.8% } |  | | |
| 13C8_PFOS_EIS | (507.0 / 80.0) 606393 | (9.51, N/A) (N/A, 0.00, N/A) | 321.3 | N/A | 2.0404 [2.0000] | 102.0% { 101.2% } |  | | |
| 13C2_4:2FTS_EIS | (329.0 / 81.0) 70730 | (5.85, N/A) (N/A, -0.02, N/A) | 560.6 | N/A | 3.7907 [4.0000] | 94.8% { 98.8% } |  | | |
| 13C2_6:2FTS_EIS | (429.0 / 81.0) 95381 | (7.59, N/A) (N/A, -0.01, N/A) | 748.8 | N/A | 3.8102 [4.0000] | 95.3% { 106.1% } |  | | |
| 13C2_8:2FTS_EIS | (529.0 / 81.0) 73104 | (9.02, N/A) (N/A, 0.00, N/A) | 437.0 | N/A | 3.3645 [4.0000] | 84.1% { 84.3% } |  | | |
| 13C8_PFOsa_EIS | (506.0 / 78.0) 876070 | (10.19, N/A) (N/A, 0.01, N/A) | 845.6 | N/A | 1.9310 [2.0000] | 96.5% { 99.8% } |  | | |
| D3_NMeFOSA_EIS | (515.0 / 169.0) 254979 | (10.61, N/A) (N/A, 0.01, N/A) | 983.9 | N/A | 1.8992 [2.0000] | 95.0% { 106.9% } |  | | |
| D5_NeIFOSA_EIS | (531.1 / 169.0) 237674 | (10.71, N/A) (N/A, 0.01, N/A) | 767.1 | N/A | 1.9524 [2.0000] | 97.6% { 104.5% } |  | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-I[μ min], Δ RT- CV[μ min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|-----------------|------------------------------|---|--------|-------------------------------------|---------------------------------|---------------------------|--|----------------------------|------|
| D3_MeFOSAA_EIS | (573.0 / 419.0) 268807 | (9.54, N/A) (N/A, 0.01, N/A) | 415.5 | N/A | 4.0655 [4.0000] | 101.6% { 99.2% } |  | | |
| D5_EtFOSAA_EIS | (589.0 / 419.0) 258229 | (9.71, N/A) (N/A, 0.01, N/A) | 753.7 | N/A | 4.5440 [4.0000] | 113.6% { 117.2% } |  | | |
| D7_NMeFOSE_EIS | (623.2 / 58.9) 465118 | (10.58, N/A) (N/A, 0.01, N/A) | 825.9 | N/A | 20.2831 [20.0000] | 101.4% { 97.8% } |  | | |
| D9_NEtFOSE_EIS | (639.2 / 58.9) 258965 | (10.68, N/A) (N/A, 0.01, N/A) | 1013.6 | N/A | 22.1639 [20.0000] | 110.8% { 109.2% } |  | | |
| 13C3_HFPODA_EIS | (287.0 / 169.0) 669009 | (6.54, N/A) (N/A, -0.02, N/A) | 1032.1 | N/A | 7.9974 [8.0000] | 100.0% { 99.7% } |  | | |

INITIAL AND CONTINUING CALIBRATION CHECK

Table B-15b

| | | | |
|-----------------|------------------|---------------|--------------|
| Laboratory:b | APPL, LLC | Work Order:b | 22L0004b |
| Client:b | Tidewater, Inc.b | Project:b | NASA JPL Slb |
| Instrument ID:b | Saphirab | Calibration:b | 2250016b |
| Standard ID:b | 22L0180 | Sequence:b | SB03769b |

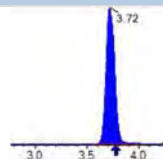
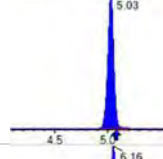
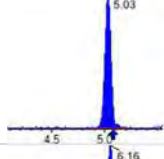
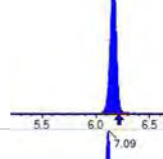
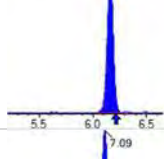
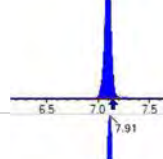
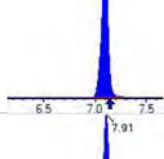
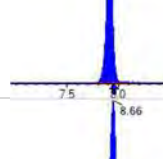
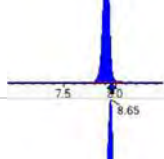
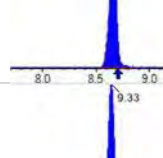
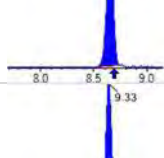
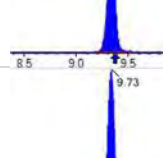
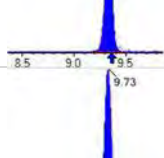
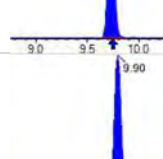
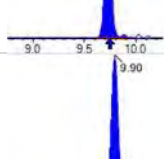
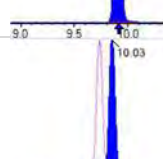
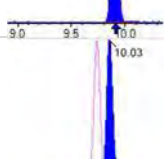
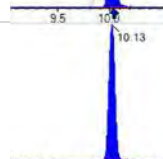
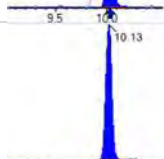
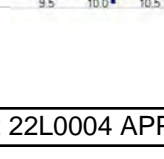
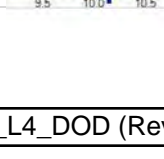
| Lab Sample ID | Analyte | True | Found | %R | Units | Control Limit |
|---------------|-----------|------|-------|------|-------|---------------|
| SB03769-CCV4 | PFBA | 20.0 | 18.4 | 91.8 | ng/mL | +/- 30.00% |
| | PFPEA | 10.0 | 10.0 | 100 | ng/mL | +/- 30.00% |
| | PFHXA | 5.00 | 4.36 | 87.3 | ng/mL | +/- 30.00% |
| | PFHPA | 5.00 | 4.95 | 99.1 | ng/mL | +/- 30.00% |
| | PFOA | 5.00 | 4.66 | 93.1 | ng/mL | +/- 30.00% |
| | PFNA | 5.00 | 4.59 | 91.9 | ng/mL | +/- 30.00% |
| | PFDA | 5.00 | 4.91 | 98.3 | ng/mL | +/- 30.00% |
| | PFUnA | 5.00 | 4.50 | 90.1 | ng/mL | +/- 30.00% |
| | PFDOA | 5.00 | 4.56 | 91.3 | ng/mL | +/- 30.00% |
| | PFTRDA | 5.00 | 5.40 | 108 | ng/mL | +/- 30.00% |
| | PFTEDA | 5.00 | 4.04 | 80.7 | ng/mL | +/- 30.00% |
| | PFBS | 4.42 | 3.92 | 88.7 | ng/mL | +/- 30.00% |
| | PFPEs | 4.70 | 4.60 | 97.9 | ng/mL | +/- 30.00% |
| | PFHXs | 4.58 | 4.60 | 100 | ng/mL | +/- 30.00% |
| | PFHPS | 4.78 | 4.00 | 83.7 | ng/mL | +/- 30.00% |
| | PFOS | 4.65 | 4.42 | 95.1 | ng/mL | +/- 30.00% |
| | PFNS | 4.80 | 4.69 | 97.7 | ng/mL | +/- 30.00% |
| | PFDS | 4.82 | 4.25 | 88.2 | ng/mL | +/- 30.00% |
| | 4:2FTS | 18.8 | 17.4 | 92.5 | ng/mL | +/- 30.00% |
| | 6:2FTS | 19.0 | 19.9 | 105 | ng/mL | +/- 30.00% |
| | 8:2FTS | 19.2 | 19.2 | 99.8 | ng/mL | +/- 30.00% |
| | PFOSA | 5.00 | 4.60 | 92.0 | ng/mL | +/- 30.00% |
| | NMeFOSA | 20.0 | 18.3 | 91.6 | ng/mL | +/- 30.00% |
| | NEtFOSA | 20.0 | 17.7 | 88.5 | ng/mL | +/- 30.00% |
| | NMeFOSAAb | 5.00 | 4.75 | 95.1 | ng/mL | +/- 30.00% |
| | NEtFOSAAb | 5.00 | 4.91 | 98.2 | ng/mL | +/- 30.00% |
| | NMeFOSE | 20.0 | 18.8 | 93.9 | ng/mL | +/- 30.00% |
| | NEtFOSE | 20.0 | 18.7 | 93.6 | ng/mL | +/- 30.00% |
| | HFPO-DA | 10.0 | 8.93 | 89.3 | ng/mL | +/- 30.00% |
| | ADONA | 9.45 | 8.58 | 90.8 | ng/mL | +/- 30.00% |

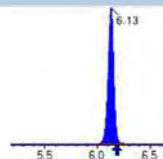
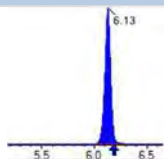
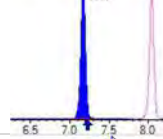
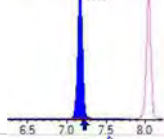
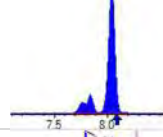
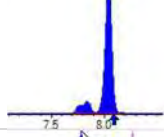
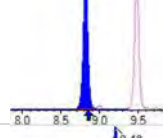
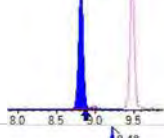
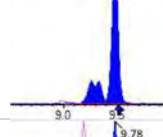
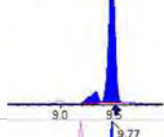
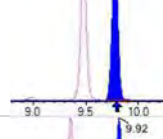
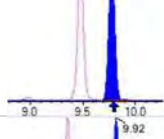
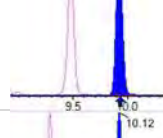
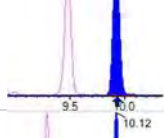
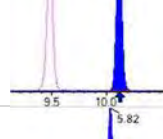
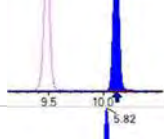
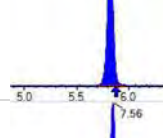
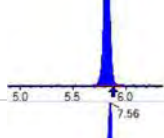
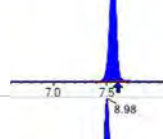
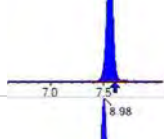
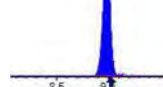
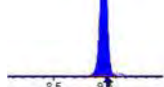
INITIAL AND CONTINUING CALIBRATION CHECK

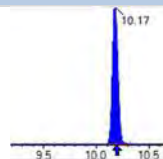
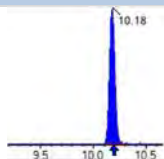
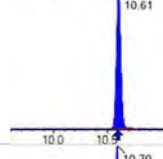
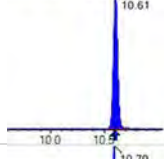
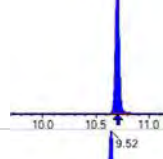
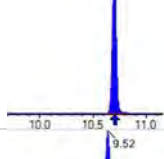
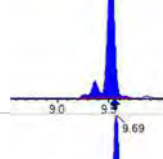
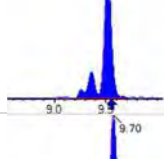
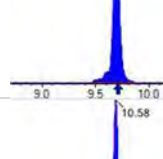
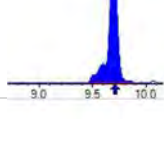
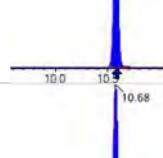
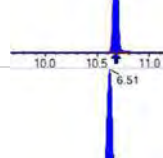
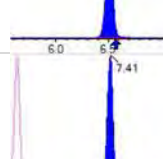
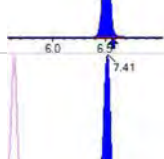
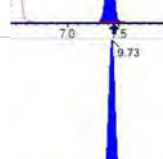
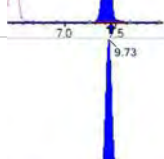
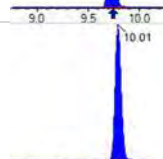
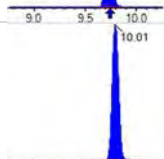
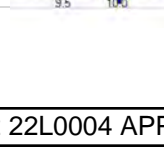
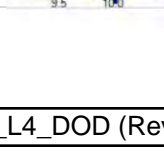
Table B-15b

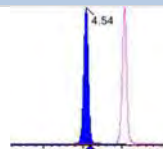
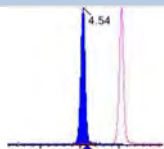
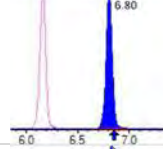
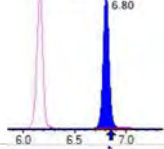
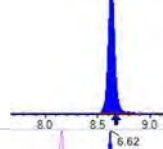
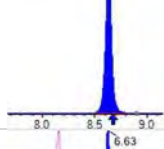
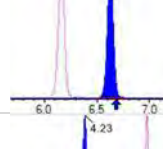
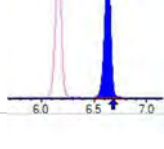
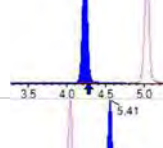
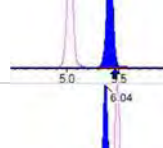
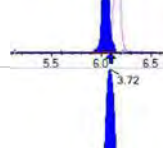
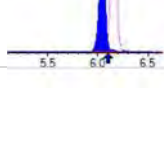
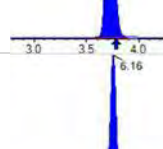
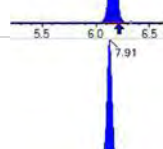
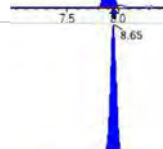
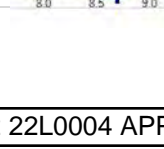
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| Laboratory: | APPL, LLC | Work Order: | 22L0004 |
| Client: | Tidewater, Inc. | Project: | NASA JPL S1b |
| Instrument ID: | Saphirab | Calibration: | 2250016b |
| Standard ID: | 22L0180 | Sequence: | SB03769b |

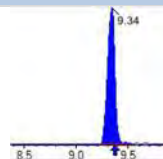
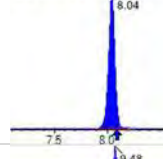
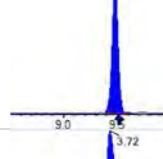
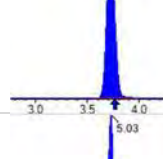
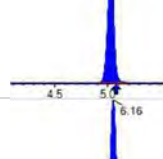
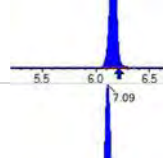
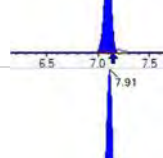
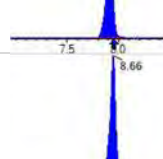
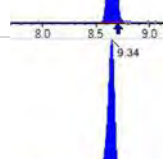
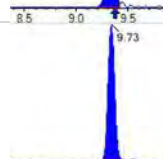
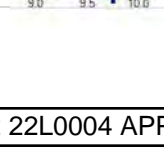
| Lab Sample ID | Analyte | True | Found | %R | Units | Control Limit |
|---------------|--------------|------|-------|------|-------|---------------|
| SB03769-CCV4 | 9CL-PF3ONS | 9.35 | 9.21 | 98.5 | ng/mL | +/- 30.00% |
| | 11CL-PF3OUDS | 9.45 | 8.39 | 88.7 | ng/mL | +/- 30.00% |

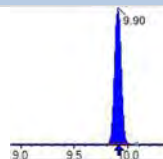
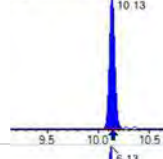
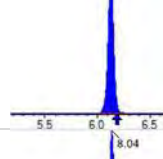
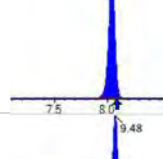
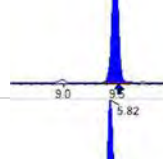
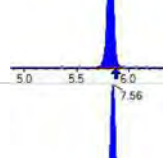
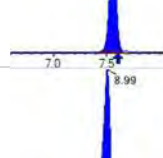
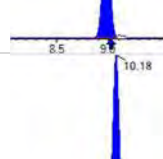
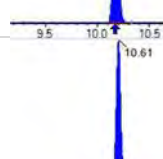
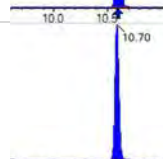
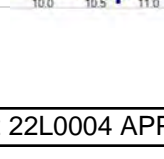
| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|---------|--|--|-----------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| PFBA | (212.9 / 169.0) 1057783 | (3.72, 1.00) (0.00, N/A, 0.0) | 56.2 | N/A 0.0 0.0 | 18.3686 [20.0000] | 91.8% |  | | |
| PFPeA | (262.9 / 219.0) 721299 (262.9 / 69.0) 8303 | (5.03, 1.00) (0.00, N/A, -0.1) | 925.5 319.7 | 0.0115 98.8 104.0 | 10.0151 [10.0000] | 100.2% |  |  | |
| PFHxA | (313.0 / 269.0) 565438 (313.0 / 119.0) 54755 | (6.16, 1.00) (0.00, N/A, 0.0) | 873.6 574.6 | 0.0968 107.7 98.9 | 4.3645 [5.0000] | 87.3% |  |  | |
| PFHpA | (363.0 / 319.0) 525762 (363.0 / 169.0) 138636 | (7.09, 1.00) (0.00, N/A, 0.1) | 669.7 547.1 | 0.2637 91.9 93.3 | 4.9538 [5.0000] | 99.1% |  |  | |
| PFOA | (413.0 / 369.0) 574868 (413.0 / 169.0) 184338 | (7.91, 1.00) (0.00, N/A, 0.0) | 586.7 728.6 | 0.3207 99.1 99.1 | 4.6568 [5.0000] | 93.1% |  |  | |
| PFNA | (463.0 / 419.0) 408154 (463.0 / 169.0) 84121 | (8.66, 1.00) (0.00, N/A, 0.1) | 566.8 87.9 | 0.2061 102.4 97.8 | 4.5927 [5.0000] | 91.9% |  |  | |
| PFDA | (513.0 / 469.0) 558986 (513.0 / 169.0) 52223 | (9.33, 1.00) (0.00, N/A, 0.0) | 471.1 7400.8 | 0.0934 105.2 94.0 | 4.9142 [5.0000] | 98.3% |  |  | |
| PFUnA | (563.0 / 519.0) 717484 (563.0 / 169.0) 67127 | (9.73, 1.00) (0.00, N/A, 0.1) | 779.6 130.3 | 0.0936 87.1 94.1 | 4.5041 [5.0000] | 90.1% |  |  | |
| PFDoA | (613.0 / 569.0) 769007 (613.0 / 169.0) 101159 | (9.90, 1.00) (0.00, N/A, 0.0) | 576.9 364.3 | 0.1315 110.5 85.5 | 4.5641 [5.0000] | 91.3% |  |  | |
| PFTrDA | (663.0 / 619.0) 799287 (663.0 / 169.0) 120985 | (10.03, 1.01) (N/A, -0.01, 0.0) | 644.2 332.7 | 0.1514 81.3 72.0 | 5.4006 [5.0000] | 108.0% |  |  | |
| PFTeDA | (713.0 / 669.0) 590240 (713.0 / 169.0) 125159 | (10.13, 1.00) (0.00, N/A, 0.1) | 895.0 318.7 | 0.2120 107.7 105.5 | 4.0355 [5.0000] | 80.7% |  |  | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|---------|--|--|-------------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| PFBS | (298.9 / 80.0) 828638 (298.9 / 99.0) 478622 | (6.13, 1.00) (0.00, N/A, 0.1) | 704.0 804.7 | 0.5776 85.3 85.3 | 3.9200 [4.4237] | 88.6% |  |  | |
| PFPeS | (349.0 / 80.0) 1458545 (349.0 / 99.0) 538385 | (7.17, 0.89) (N/A, -0.05, 0.0) | 919.6 1238.9 | 0.3691 101.2 109.9 | 4.6030 [4.6919] | 98.1% |  |  | |
| PFHxS | (399.0 / 80.0) 1291597 (399.0 / 99.0) 416441 | (8.04, 1.00) (0.00, N/A, 0.1) | 6639.7 56174.1 | 0.3224 93.5 97.7 | 4.5969 [4.5549] | 100.9% |  |  | |
| PFHpS | (449.0 / 80.0) 1072271 (449.0 / 99.0) 325991 | (8.81, 0.93) (N/A, -0.05, 0.0) | 924.6 533.7 | 0.3040 107.0 107.2 | 3.9996 [4.7570] | 84.1% |  |  | |
| PFOS | (499.0 / 80.0) 1468662 (499.0 / 99.0) 327010 | (9.48, 1.00) (0.00, N/A, 0.1) | 122.0 172.7 | 0.2227 86.5 94.1 | 4.4224 [4.6375] | 95.4% |  |  | |
| PFNS | (549.0 / 80.0) 1828818 (549.0 / 99.0) 470799 | (9.78, 1.03) (N/A, -0.01, 0.1) | 1370.0 764.6 | 0.2574 107.7 110.0 | 4.6898 [4.7994] | 97.7% |  |  | |
| PFDS | (599.0 / 80.0) 2075271 (599.0 / 99.0) 495335 | (9.92, 1.05) (N/A, -0.01, 0.0) | 870.3 458.0 | 0.2387 102.6 98.5 | 4.2494 [4.8155] | 88.2% |  |  | |
| PFDoS | (698.9 / 80.0) 1328991 (698.9 / 99.0) 331430 | (10.12, 1.07) (N/A, 0.00, 0.0) | 532.2 427.1 | 0.2494 107.6 120.9 | 4.5883 [4.8478] | 94.6% |  |  | |
| 4:2FTS | (327.0 / 307.0) 1106352 (327.0 / 81.0) 621172 | (5.82, 1.00) (0.00, N/A, 0.2) | 1117.0 822.1 | 0.5615 94.0 93.8 | 17.3810 [18.6906] | 93.0% |  |  | |
| 6:2FTS | (427.0 / 407.0) 702653 (427.0 / 81.0) 496384 | (7.56, 1.00) (0.00, N/A, 0.0) | 765.7 779.3 | 0.7064 98.2 99.5 | 19.8654 [18.9808] | 104.7% |  |  | |
| 8:2FTS | (527.0 / 507.0) 590987 (527.0 / 81.0) 427527 | (8.98, 1.00) (0.00, N/A, 0.0) | 616.8 413.8 | 0.7234 116.0 117.3 | 19.1547 [19.1658] | 99.9% |  |  | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|--------------|--|--|------------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| PFOSA | (498.0 / 78.0) 2291146 (498.0 / 478.0) 49585 | (10.17, 1.00) (0.00, N/A, -0.1) | 687.6 435.5 | 0.0216 90.7 85.7 | 4.5997 [5.0000] | 92.0% |  |  | |
| NMeFOSA | (511.9 / 219.0) 2064966 (511.9 / 169.0) 1366902 | (10.61, 1.00) (0.00, N/A, 0.0) | 1017.4 936.2 | 0.6619 99.3 102.2 | 18.3233 [20.0000] | 91.6% |  |  | |
| NEIFOSA | (526.0 / 219.0) 2143979 (526.0 / 169.0) 2278143 | (10.70, 1.00) (0.00, N/A, 0.0) | 1117.2 1052.0 | 1.0626 97.5 102.9 | 17.7038 [20.0000] | 88.5% |  |  | |
| NMeFOSAA | (570.0 / 419.0) 278940 (570.0 / 483.0) 141041 | (9.52, 1.00) (0.00, N/A, 0.1) | 594.2 204.1 | 0.5056 109.0 93.1 | 4.7544 [5.0000] | 95.1% |  |  | |
| NEIFOSAA | (584.0 / 419.0) 266805 (584.0 / 526.0) 161800 | (9.69, 1.00) (0.01, N/A, -0.1) | 827.9 365.7 | 0.6064 99.9 97.7 | 4.9076 [5.0000] | 98.2% |  |  | |
| NMeFOSE | (616.1 / 59.0) 617888 | (10.58, 1.00) (0.01, N/A, 0.0) | 1035.1 | N/A 0.0 0.0 | 18.7744 [20.0000] | 93.9% |  | | |
| NEtFOSE | (630.0 / 59.0) 162065 | (10.68, 1.00) (0.01, N/A, 0.0) | 1209.1 | N/A 0.0 0.0 | 18.7242 [20.0000] | 93.6% |  | | |
| HFPO-DA | (285.0 / 169.0) 505412 (285.0 / 185.0) 1435746 | (6.51, 1.00) (0.00, N/A, 0.1) | 700.2 961.4 | 2.8407 102.5 92.2 | 8.9289 [10.0000] | 89.3% |  |  | |
| ADONA | (377.0 / 85.0) 1963821 (377.0 / 251.0) 244282 | (7.41, 1.14) (N/A, -0.04, 0.1) | 900.8 441.5 | 0.1244 99.0 105.1 | 8.5801 [9.4270] | 91.0% |  |  | |
| 9CI-Pf3ONS | (531.0 / 351.0) 5798942 (533.0 / 353.0) 1789479 | (9.73, 1.49) (N/A, -0.01, 0.1) | 1050.2 966.4 | 0.3086 92.4 103.0 | 9.2070 [9.3325] | 98.7% |  |  | |
| 11CI-PF3OUDS | (631.0 / 451.0) 3634280 (633.0 / 453.0) 1149625 | (10.01, 1.54) (N/A, -0.01, -0.2) | 670.6 1118.3 | 0.3163 97.8 94.7 | 8.3865 [9.4321] | 88.9% |  |  | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|----------------|--|--|----------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| 3:3FTCA | (241.0 / 177.0) 59877 (241.0 / 117.0) 107472 | (4.54, 0.90) (N/A, -0.05, 0.1) | 540.5 680.8 | 1.7949 103.1 105.0 | 16.9232 [20.0000] | 84.6% |  |  | |
| 5:3FTCA | (341.0 / 236.7) 441035 (341.0 / 217.0) 772732 | (6.80, 1.10) (N/A, -0.05, 0.0) | 539.6 629.0 | 1.7521 102.6 107.0 | 16.0235 [20.0000] | 80.1% |  |  | |
| 7:3FTCA | (441.0 / 317.0) 568439 (441.0 / 337.0) 461658 | (8.63, 1.40) (N/A, -0.04, -0.1) | 470.7 598.9 | 0.8121 98.5 102.1 | 16.0403 [20.0000] | 80.2% |  |  | |
| PFEESA | (315.0 / 135.0) 1107825 (315.0 / 83.0) 327126 | (6.62, 1.08) (N/A, -0.05, -0.3) | 797.4 783.7 | 0.2953 99.3 90.7 | 8.3625 [8.9246] | 93.7% |  |  | |
| PFMPA | (229.0 / 85.0) 193243 | (4.23, 0.84) (N/A, -0.05, 0.0) | 749.1 | N/A 0.0 0.0 | 9.7439 [10.0000] | 97.4% |  | | |
| PFMBA | (279.0 / 85.0) 628038 | (5.41, 1.08) (N/A, -0.05, 0.0) | 925.7 | N/A 0.0 0.0 | 10.1608 [10.0000] | 101.6% |  | | |
| NFDHA | (201.0 / 85.0) 23250 (295.0 / 201.0) 173425 | (6.04, 0.98) (N/A, -0.05, -0.2) | 463.5 804.9 | 7.4591 106.6 129.6 | 7.3700 [10.0000] | 73.7% |  |  | |
| 13C3_PFBAA_IIS | (216.0 / 172.0) 75411 | (3.72, N/A) (N/A, -0.05, N/A) | 754.3 | N/A | 0.7845 [1.0000] | 78.4% { 86.2% } |  | | |
| 13C2_PFHxA_IIS | (315.1 / 270.0) 113434 | (6.16, N/A) (N/A, -0.05, N/A) | 700.1 | N/A | 0.9186 [1.0000] | 91.9% { 87.5% } |  | | |
| 13C4_PFOA_IIS | (417.0 / 372.0) 126643 | (7.91, N/A) (N/A, -0.04, N/A) | 444.9 | N/A | 1.0683 [1.0000] | 106.8% { 104.3% } |  | | |
| 13C5_PFNA_IIS | (468.0 / 423.0) 97317 | (8.65, N/A) (N/A, -0.04, N/A) | 537.4 | N/A | 1.0218 [1.0000] | 102.2% { 99.1% } |  | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|----------------|------------------------------|--|-------|-------------------------------------|---------------------------------|---------------------------|---|----------------------------|------|
| 13C2_PFDA_IIS | (515.1 / 470.1) 87599 | (9.34, N/A) (N/A, -0.03, N/A) | 223.8 | N/A | 1.0633 [1.0000] | 106.3% { 97.2% } |  | | |
| 18O2_PFHxS_IIS | (403.0 / 83.9) 198821 | (8.04, N/A) (N/A, -0.05, N/A) | 611.1 | N/A | 0.9263 [1.0000] | 92.6% { 94.9% } |  | | |
| 13C4_PFOS_IIS | (502.8 / 79.9) 186423 | (9.48, N/A) (N/A, -0.03, N/A) | 402.1 | N/A | 1.0016 [1.0000] | 100.2% { 97.6% } |  | | |
| 13C4_PFBA_EIS | (217.0 / 172.0) 605038 | (3.72, N/A) (N/A, -0.05, N/A) | 938.2 | N/A | 8.5578 [8.0000] | 107.0% { 92.4% } |  | | |
| 13C5_PFPeA_EIS | (267.9 / 223.0) 299683 | (5.03, N/A) (N/A, -0.05, N/A) | 959.2 | N/A | 3.6217 [4.0000] | 90.5% { 86.2% } |  | | |
| 13C5_PFHxA_EIS | (318.0 / 273.0) 257073 | (6.16, N/A) (N/A, -0.05, N/A) | 661.6 | N/A | 2.2218 [2.0000] | 111.1% { 98.0% } |  | | |
| 13C4_PFHpA_EIS | (367.0 / 322.0) 209545 | (7.09, N/A) (N/A, -0.05, N/A) | 506.6 | N/A | 2.0064 [2.0000] | 100.3% { 84.5% } |  | | |
| 13C8_PFOA_EIS | (421.0 / 376.0) 239507 | (7.91, N/A) (N/A, -0.04, N/A) | 758.2 | N/A | 1.8594 [2.0000] | 93.0% { 91.8% } |  | | |
| 13C9_PFNA_EIS | (472.0 / 427.0) 92181 | (8.66, N/A) (N/A, -0.04, N/A) | 447.7 | N/A | 0.9598 [1.0000] | 96.0% { 110.6% } |  | | |
| 13C6_PFDA_EIS | (519.0 / 474.0) 112124 | (9.34, N/A) (N/A, -0.04, N/A) | 229.4 | N/A | 0.8812 [1.0000] | 88.1% { 96.4% } |  | | |
| 13C7_PFUnA_EIS | (570.0 / 525.0) 180953 | (9.73, N/A) (N/A, -0.01, N/A) | 463.9 | N/A | 1.0595 [1.0000] | 105.9% { 89.9% } |  | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|-----------------|------------------------------|--|--------|-------------------------------------|---------------------------------|---------------------------|---|----------------------------|------|
| 13C2_PFDa_EIS | (615.0 / 570.0) 183119 | (9.90, N/A) (N/A, 0.00, N/A) | 763.9 | N/A | 0.8834 [1.0000] | 88.3% { 94.8% } |  | | |
| 13C2_PFTeDA_EIS | (715.0 / 670.0) 148381 | (10.13, N/A) (N/A, -0.01, N/A) | 352.2 | N/A | 0.9751 [1.0000] | 97.5% { 114.3% } |  | | |
| 13C3_PFBs_EIS | (302.0 / 80.0) 692495 | (6.13, N/A) (N/A, -0.05, N/A) | 840.0 | N/A | 2.3699 [2.0000] | 118.5% { 104.6% } |  | | |
| 13C3_PFHxS_EIS | (402.0 / 80.0) 335167 | (8.04, N/A) (N/A, -0.04, N/A) | 1307.4 | N/A | 2.0151 [2.0000] | 100.8% { 95.0% } |  | | |
| 13C8_PFOS_EIS | (507.0 / 80.0) 591619 | (9.48, N/A) (N/A, -0.03, N/A) | 326.9 | N/A | 2.0818 [2.0000] | 104.1% { 98.7% } |  | | |
| 13C2_4:2FTS_EIS | (329.0 / 81.0) 72884 | (5.82, N/A) (N/A, -0.05, N/A) | 462.3 | N/A | 4.4226 [4.0000] | 110.6% { 101.9% } |  | | |
| 13C2_6:2FTS_EIS | (429.0 / 81.0) 89193 | (7.56, N/A) (N/A, -0.04, N/A) | 709.2 | N/A | 4.0341 [4.0000] | 100.9% { 99.2% } |  | | |
| 13C2_8:2FTS_EIS | (529.0 / 81.0) 78587 | (8.99, N/A) (N/A, -0.04, N/A) | 7874.1 | N/A | 4.0951 [4.0000] | 102.4% { 90.7% } |  | | |
| 13C8_PFOsa_EIS | (506.0 / 78.0) 897038 | (10.18, N/A) (N/A, 0.00, N/A) | 517.6 | N/A | 2.0676 [2.0000] | 103.4% { 102.2% } |  | | |
| D3_NMeFOSA_EIS | (515.0 / 169.0) 245230 | (10.61, N/A) (N/A, 0.00, N/A) | 887.8 | N/A | 1.9101 [2.0000] | 95.5% { 102.8% } |  | | |
| D5_NEtFOSA_EIS | (531.1 / 169.0) 233875 | (10.70, N/A) (N/A, 0.00, N/A) | 734.8 | N/A | 2.0091 [2.0000] | 100.5% { 102.8% } |  | | |



Chemist: ABK
 Instrument: Saphira
 Type: Sciex Q3 5500

Sample I.D.: SB03769-CCV4
 DF, IV: 1, 10.0µL
 Acquisition Method: 1633 2022-12-07.dam

Quant Method: 1633 - S2022-12-07A
 Path: S2022-12-09B (58)
 Acquired: 2022/12/10 - 10:58

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (ΔRT-I[min], ΔRT-CV[min], ΔRT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|-----------------|------------------------------|--|--------|-------------------------------------|---------------------------------|---------------------------|-----------------------|----------------------------|------|
| D3_MeFOSAA_EIS | (573.0 / 419.0) 269105 | (9.52, N/A) (N/A, -0.02, N/A) | 383.8 | N/A | 4.2562 [4.0000] | 106.4% { 99.3% } | | | |
| D5_EtFOSAA_EIS | (589.0 / 419.0) 236968 | (9.69, N/A) (N/A, -0.02, N/A) | 695.9 | N/A | 4.3606 [4.0000] | 109.0% { 107.6% } | | | |
| D7_NMeFOSE_EIS | (623.2 / 58.9) 468177 | (10.57, N/A) (N/A, 0.00, N/A) | 740.4 | N/A | 21.3505 [20.0000] | 106.8% { 98.5% } | | | |
| D9_NEtFOSE_EIS | (639.2 / 58.9) 252804 | (10.67, N/A) (N/A, 0.00, N/A) | 1140.7 | N/A | 22.6263 [20.0000] | 113.1% { 106.6% } | | | |
| 13C3_HFPODA_EIS | (287.0 / 169.0) 681824 | (6.51, N/A) (N/A, -0.05, N/A) | 980.5 | N/A | 8.9475 [8.0000] | 111.8% { 101.6% } | | | |

INITIAL AND CONTINUING CALIBRATION CHECK

Table B-15b

| | | | |
|-----------------|------------------|---------------|--------------|
| Laboratory:b | APPL, LLC | Work Order:b | 22L0004b |
| Client:b | Tidewater, Inc.b | Project:b | NASA JPL Slb |
| Instrument ID:b | Saphirab | Calibration:b | 2251019b |
| Standard ID:b | 22L03040 | Sequence:b | SB03858b |

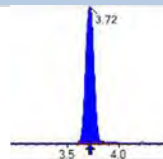
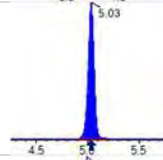
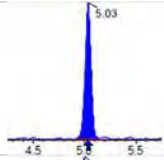
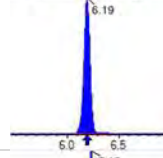
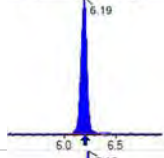
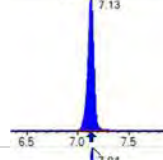
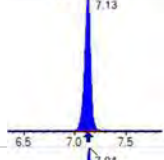
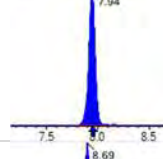
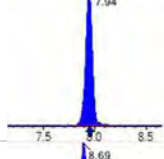
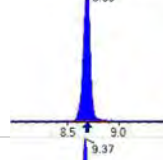
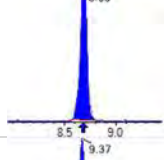
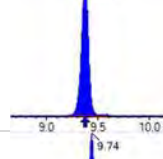
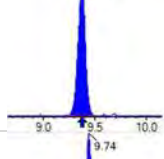
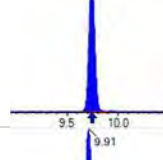
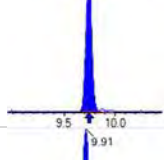
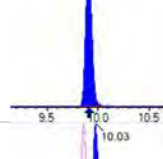
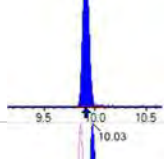
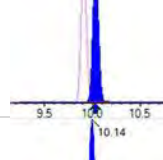
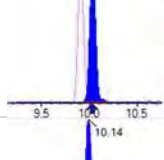
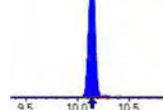
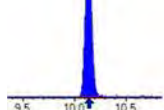
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|---------------|-----------|-------|-------|-------|--------|---------------|
| SB03858-CCV1b | PFBA | 20.0b | 20.6b | 103b | ng/mLb | +/- 30.00%b |
| | PFPEAb | 10.0b | 9.61b | 96.1b | ng/mLb | +/- 30.00%b |
| | PFHXAb | 5.00b | 5.34b | 107b | ng/mLb | +/- 30.00%b |
| | PFHPAb | 5.00b | 5.07b | 101b | ng/mLb | +/- 30.00%b |
| | PFOAb | 5.00b | 5.02b | 100b | ng/mLb | +/- 30.00%b |
| | PFNAb | 5.00b | 5.25b | 105b | ng/mLb | +/- 30.00%b |
| | PFDAb | 5.00b | 5.33b | 107b | ng/mLb | +/- 30.00%b |
| | PFUnAb | 5.00b | 5.28b | 106b | ng/mLb | +/- 30.00%b |
| | PFDOAb | 5.00b | 4.52b | 90.5b | ng/mLb | +/- 30.00%b |
| | PFTRDAb | 5.00b | 4.87b | 97.4b | ng/mLb | +/- 30.00%b |
| | PFTEDAb | 5.00b | 5.34b | 107b | ng/mLb | +/- 30.00%b |
| | PFBSb | 4.42b | 4.74b | 107b | ng/mLb | +/- 30.00%b |
| | PFPEsb | 4.70b | 4.64b | 98.7b | ng/mLb | +/- 30.00%b |
| | PFHXsb | 4.58b | 4.51b | 98.4b | ng/mLb | +/- 30.00%b |
| | PFHPSb | 4.78b | 5.21b | 109b | ng/mLb | +/- 30.00%b |
| | PFOSb | 4.65b | 5.47b | 118b | ng/mLb | +/- 30.00%b |
| | PFNSb | 4.80b | 5.74b | 120b | ng/mLb | +/- 30.00%b |
| | PFDSb | 4.82b | 5.66b | 117b | ng/mLb | +/- 30.00%b |
| | 4:2FTSb | 18.8b | 19.3b | 103b | ng/mLb | +/- 30.00%b |
| | 6:2FTSb | 19.0b | 18.9b | 99.5b | ng/mLb | +/- 30.00%b |
| | 8:2FTSb | 19.2b | 24.1b | 126b | ng/mLb | +/- 30.00%b |
| | PFOSAb | 5.00b | 5.21b | 104b | ng/mLb | +/- 30.00%b |
| | NMeFOSAb | 20.0b | 21.0b | 105b | ng/mLb | +/- 30.00%b |
| | NEtFOSAb | 20.0b | 20.0b | 99.9b | ng/mLb | +/- 30.00%b |
| | NMeFOSAAb | 5.00b | 5.36b | 107b | ng/mLb | +/- 30.00%b |
| | NEtFOSAAb | 5.00b | 4.56b | 91.2b | ng/mLb | +/- 30.00%b |
| | NMeFOSEb | 20.0b | 20.9b | 105b | ng/mLb | +/- 30.00%b |
| | NEtFOSEb | 20.0b | 18.6b | 92.8b | ng/mLb | +/- 30.00%b |
| | HFPO-DAb | 10.0b | 9.92b | 99.2b | ng/mLb | +/- 30.00%b |
| | ADONAb | 9.45b | 9.18b | 97.1b | ng/mLb | +/- 30.00%b |

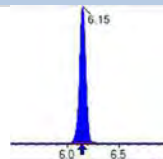
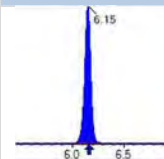
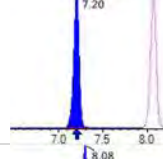
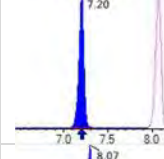
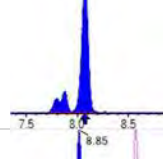
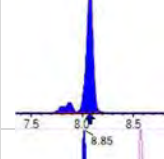
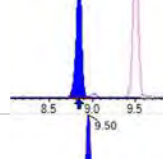
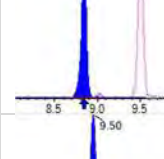
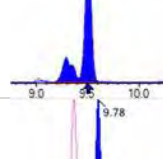
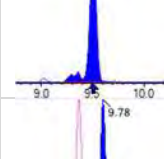
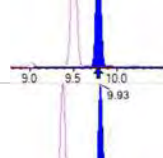
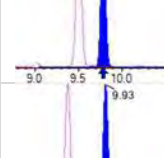
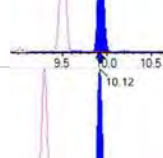
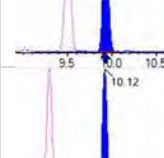
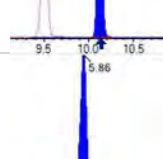
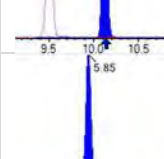
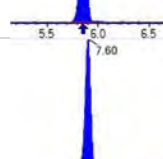
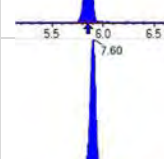
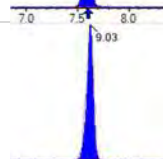
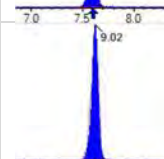
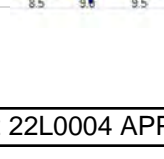
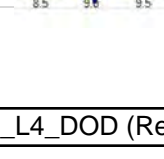
INITIAL AND CONTINUING CALIBRATION CHECK

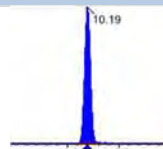
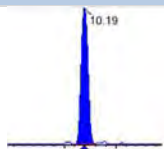
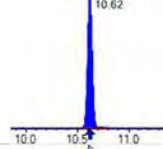
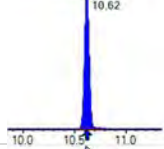
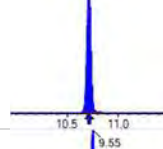
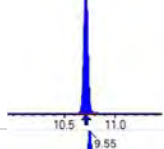
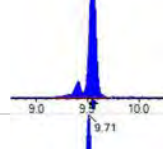
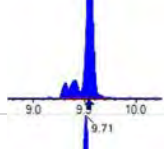
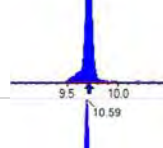
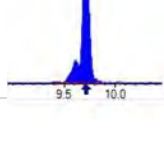
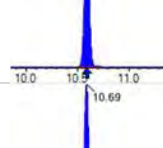
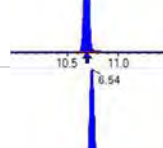
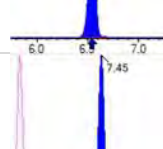
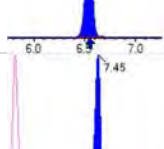
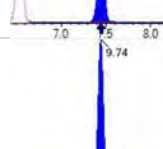
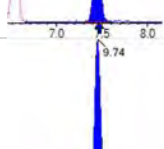
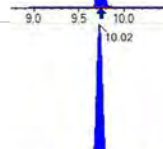
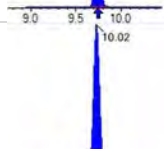

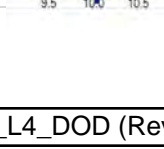
Table B-15b

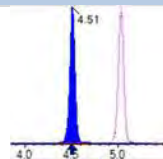
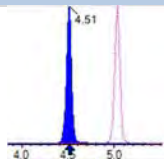
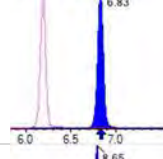
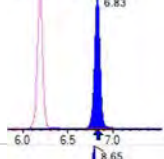
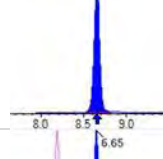
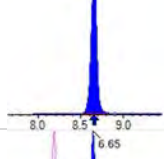
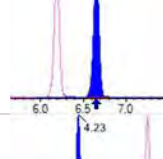
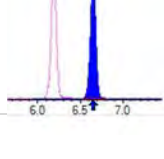
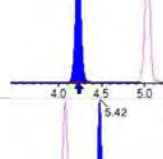
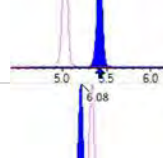
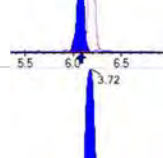
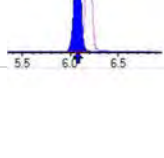
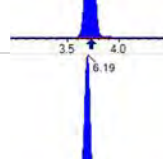
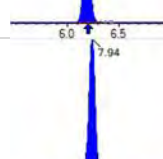
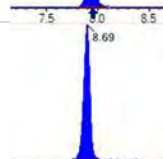
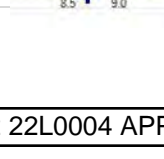
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| Client: | Tidewater, Inc. | Project: | NASA JPL S1b |
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| Standard ID: | 22L03040 | Sequence: | SB03858b |

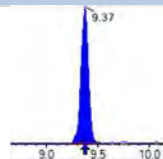
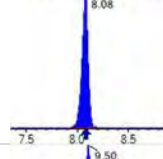
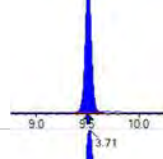
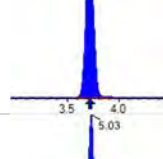
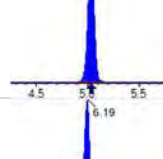
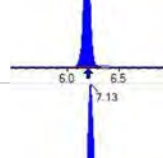
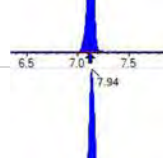
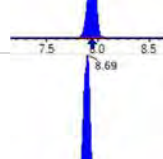
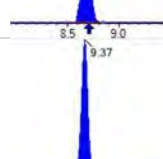
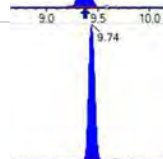
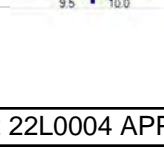
| Lab Sample ID | Analyte | True | Found | %R | Units | Control Limit |
|---------------|--------------|------|-------|------|-------|---------------|
| SB03858-CCV1b | 9CL-PF3ONS | 9.35 | 8.98 | 96.0 | ng/mL | +/- 30.00% |
| | 11CL-PF3OUDS | 9.45 | 9.15 | 96.8 | ng/mL | +/- 30.00% |

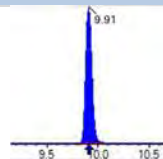
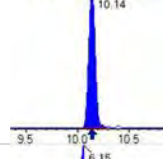
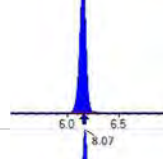
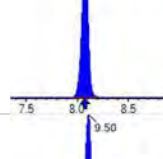
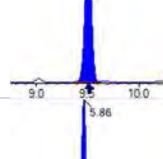
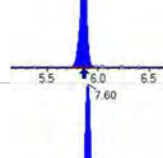
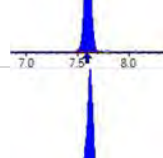
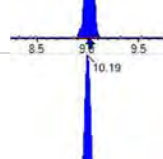
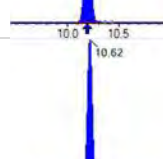
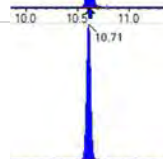
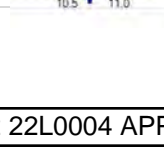
| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-I[μ min], Δ RT- CV[μ min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|---------|--|---|----------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| PFBA | (212.9 / 169.0) 1277565 | (3.72, 1.00) (0.00, N/A, 0.0) | 56.8 | N/A 0.0 0.0 | 20.6482 [20.0000] | 103.2% |  | | |
| PFPeA | (262.9 / 219.0) 853322 (262.9 / 69.0) 9530 | (5.03, 1.00) (0.00, N/A, 0.0) | 903.1 259.5 | 0.0112 13085.0 100.0 | 9.6115 [10.0000] | 96.1% |  |  | |
| PFHxA | (313.0 / 269.0) 704346 (313.0 / 119.0) 65222 | (6.19, 1.00) (0.00, N/A, 0.0) | 674.5 473.0 | 0.0926 94.4 100.0 | 5.3359 [5.0000] | 106.7% |  |  | |
| PFHpA | (363.0 / 319.0) 634600 (363.0 / 169.0) 188455 | (7.13, 1.00) (0.00, N/A, 0.1) | 530.6 794.7 | 0.2970 95.0 100.0 | 5.0746 [5.0000] | 101.5% |  |  | |
| PFOA | (413.0 / 369.0) 638335 (413.0 / 169.0) 200363 | (7.94, 1.00) (0.00, N/A, 0.0) | 704.3 582.6 | 0.3139 93.2 100.0 | 5.0230 [5.0000] | 100.5% |  |  | |
| PFNA | (463.0 / 419.0) 472406 (463.0 / 169.0) 103120 | (8.69, 1.00) (0.00, N/A, 0.1) | 497.5 107.0 | 0.2183 108.8 100.0 | 5.2527 [5.0000] | 105.1% |  |  | |
| PFDA | (513.0 / 469.0) 656288 (513.0 / 169.0) 63241 | (9.37, 1.00) (0.01, N/A, 0.1) | 385.4 479.8 | 0.0964 121.1 100.0 | 5.3342 [5.0000] | 106.7% |  |  | |
| PFUnA | (563.0 / 519.0) 777022 (563.0 / 169.0) 86139 | (9.74, 1.00) (0.00, N/A, 0.0) | 646.7 317.7 | 0.1109 99.0 100.0 | 5.2776 [5.0000] | 105.6% |  |  | |
| PFDoA | (613.0 / 569.0) 933448 (613.0 / 169.0) 124494 | (9.91, 1.00) (0.00, N/A, -0.1) | 611.2 400.2 | 0.1334 106.2 100.0 | 4.5250 [5.0000] | 90.5% |  |  | |
| PFTTrDA | (663.0 / 619.0) 829233 (663.0 / 169.0) 157104 | (10.03, 1.01) (N/A, 0.00, 0.0) | 954.9 408.1 | 0.1895 90.6 100.0 | 4.8710 [5.0000] | 97.4% |  |  | |
| PFTTeDA | (713.0 / 669.0) 742470 (713.0 / 169.0) 122885 | (10.14, 1.00) (0.00, N/A, 0.3) | 635.7 477.0 | 0.1655 72.9 100.0 | 5.3366 [5.0000] | 106.7% |  |  | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|---------|--|--|-------------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| PFBS | (298.9 / 80.0) 924466 (298.9 / 99.0) 608746 | (6.15 , 1.00) (0.00 , N/A , -0.1) | 796.0 812.2 | 0.6585 96.8 100.0 | 4.7431 [4.4237] | 107.2% |  |  | |
| PFPeS | (349.0 / 80.0) 1770874 (349.0 / 99.0) 687323 | (7.20 , 0.89) (N/A , 0.00 , -0.1) | 885.5 798.8 | 0.3881 103.9 100.0 | 4.6395 [4.6919] | 98.9% |  |  | |
| PFHxS | (399.0 / 80.0) 1458013 (399.0 / 99.0) 516494 | (8.08 , 1.00) (0.00 , N/A , 0.1) | 2775.9 15942.5 | 0.3542 103.3 100.0 | 4.5058 [4.5549] | 98.9% |  |  | |
| PFHpS | (449.0 / 80.0) 1317403 (449.0 / 99.0) 347201 | (8.85 , 0.93) (N/A , 0.00 , 0.0) | 725.0 519.7 | 0.2635 89.8 100.0 | 5.2110 [4.7570] | 109.5% |  |  | |
| PFOS | (499.0 / 80.0) 1713378 (499.0 / 99.0) 396634 | (9.50 , 1.00) (0.00 , N/A , 0.1) | 138.8 173.7 | 0.2315 101.3 100.0 | 5.4666 [4.6375] | 117.9% |  |  | |
| PFNS | (549.0 / 80.0) 2067769 (549.0 / 99.0) 513237 | (9.78 , 1.03) (N/A , 0.00 , 0.1) | 1017.6 551.6 | 0.2482 99.5 100.0 | 5.7373 [4.7994] | 119.5% |  |  | |
| PFDS | (599.0 / 80.0) 2518265 (599.0 / 99.0) 563912 | (9.93 , 1.04) (N/A , 0.00 , -0.1) | 847.2 495.7 | 0.2239 87.8 100.0 | 5.6625 [4.8155] | 117.6% |  |  | |
| PFDoS | (698.9 / 80.0) 1447136 (698.9 / 99.0) 347339 | (10.12 , 1.07) (N/A , 0.00 , 0.0) | 1412.0 1149.2 | 0.2400 116.8 100.0 | 6.2340 [4.8478] | 128.6% |  |  | |
| 4:2FTS | (327.0 / 307.0) 1298757 (327.0 / 81.0) 727255 | (5.86 , 1.00) (0.00 , N/A , 0.1) | 912.7 778.9 | 0.5600 112.0 100.0 | 19.3477 [18.6906] | 103.5% |  |  | |
| 6:2FTS | (427.0 / 407.0) 801658 (427.0 / 81.0) 595546 | (7.60 , 1.00) (0.00 , N/A , 0.0) | 1090.5 962.8 | 0.7429 103.7 100.0 | 18.9089 [18.9808] | 99.6% |  |  | |
| 8:2FTS | (527.0 / 507.0) 737270 (527.0 / 81.0) 452324 | (9.03 , 1.00) (0.00 , N/A , 0.1) | 606.6 637.4 | 0.6135 87.2 100.0 | 24.1271 [19.1658] | 125.9% |  |  | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-I[min], Δ RT-CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|--------------|--|---|------------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| PFOSA | (498.0 / 78.0) 2398237 (498.0 / 478.0) 44273 | (10.19, 1.00) (0.00, N/A, 0.0) | 1058.5 200.8 | 0.0185 78.1 100.0 | 5.2123 [5.0000] | 104.2% |  |  | |
| NMeFOSA | (511.9 / 219.0) 2062308 (511.9 / 169.0) 1370683 | (10.62, 1.00) (0.00, N/A, 0.0) | 923.9 1155.0 | 0.6646 95.3 100.0 | 21.0064 [20.0000] | 105.0% |  |  | |
| NEIFOSA | (526.0 / 219.0) 2243550 (526.0 / 169.0) 2369237 | (10.71, 1.00) (0.00, N/A, 0.0) | 1421.6 1372.2 | 1.0560 93.8 100.0 | 19.9785 [20.0000] | 99.9% |  |  | |
| NMeFOSAA | (570.0 / 419.0) 290354 (570.0 / 483.0) 148632 | (9.55, 1.00) (0.00, N/A, -0.1) | 372.8 808.0 | 0.5119 109.0 100.0 | 5.3611 [5.0000] | 107.2% |  |  | |
| NEIFOSAA | (584.0 / 419.0) 278836 (584.0 / 526.0) 175616 | (9.71, 1.00) (0.00, N/A, -0.1) | 438.7 4311.8 | 0.6298 81.8 100.0 | 4.5600 [5.0000] | 91.2% |  |  | |
| NMeFOSE | (616.1 / 59.0) 669129 | (10.59, 1.00) (0.00, N/A, 0.0) | 1270.1 | N/A 0.0 0.0 | 20.9433 [20.0000] | 104.7% |  | | |
| NEtFOSE | (630.0 / 59.0) 165055 | (10.69, 1.00) (0.01, N/A, 0.0) | 1165.7 | N/A 0.0 0.0 | 18.5699 [20.0000] | 92.8% |  | | |
| HFPO-DA | (285.0 / 169.0) 601199 (285.0 / 185.0) 1694038 | (6.54, 1.00) (0.00, N/A, 0.0) | 1091.5 974.5 | 2.8178 110.5 100.0 | 9.9247 [10.0000] | 99.2% |  |  | |
| ADONA | (377.0 / 85.0) 2305308 (377.0 / 251.0) 276852 | (7.45, 1.14) (N/A, 0.00, -0.2) | 825.5 542.7 | 0.1201 95.8 100.0 | 9.1801 [9.4270] | 97.4% |  |  | |
| 9CI-Pf3ONS | (531.0 / 351.0) 6393889 (533.0 / 353.0) 2005607 | (9.74, 1.49) (N/A, 0.00, 0.1) | 871.9 648.9 | 0.3137 99.0 100.0 | 8.9785 [9.3325] | 96.2% |  |  | |
| 11CI-PF3OUDS | (631.0 / 451.0) 4293265 (633.0 / 453.0) 1355446 | (10.02, 1.53) (N/A, 0.00, 0.0) | 774.5 1369.2 | 0.3157 107.9 100.0 | 9.1491 [9.4321] | 97.0% |  |  | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-I[μ min], Δ RT-CV[μ min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|----------------|--|---|----------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| 3:3FTCA | (241.0 / 177.0) 72777 (241.0 / 117.0) 125531 | (4.51, 0.90) (N/A, 0.00, 0.0) | 725.2 759.7 | 1.7249 0.1 100.0 | 19.1124 [20.0000] | 95.6% |  |  | IR1, |
| 5:3FTCA | (341.0 / 236.7) 541033 (341.0 / 217.0) 931288 | (6.83, 1.10) (N/A, 0.00, 0.1) | 737.0 690.8 | 1.7213 108.9 100.0 | 20.1285 [20.0000] | 100.6% |  |  | |
| 7:3FTCA | (441.0 / 317.0) 653183 (441.0 / 337.0) 550171 | (8.65, 1.40) (N/A, 0.00, 0.0) | 525.5 466.7 | 0.8423 103.6 100.0 | 21.5330 [20.0000] | 107.7% |  |  | |
| PFEESA | (315.0 / 135.0) 1259058 (315.0 / 83.0) 374006 | (6.65, 1.07) (N/A, 0.00, 0.2) | 961.7 942.2 | 0.2971 105.1 100.0 | 9.2880 [8.9246] | 104.1% |  |  | |
| PFMPA | (229.0 / 85.0) 232383 | (4.23, 0.84) (N/A, 0.00, 0.0) | 1012.3 | N/A 0.0 0.0 | 9.6976 [10.0000] | 97.0% |  | | |
| PFMBA | (279.0 / 85.0) 821325 | (5.42, 1.08) (N/A, 0.00, 0.0) | 864.9 | N/A 0.0 0.0 | 10.4994 [10.0000] | 105.0% |  | | |
| NFDHA | (201.0 / 85.0) 28953 (295.0 / 201.0) 200274 | (6.08, 0.98) (N/A, 0.00, 0.1) | 307.3 700.3 | 6.9172 0.9 100.0 | 11.0187 [10.0000] | 110.2% |  |  | IR1, |
| 13C3_PFBA_IIS | (216.0 / 172.0) 87463 | (3.72, N/A) (N/A, 0.00, N/A) | 568.5 | N/A | 1.0004 [1.0000] | 100.0% { 100.0% } |  | | |
| 13C2_PFHxA_IIS | (315.1 / 270.0) 125971 | (6.19, N/A) (N/A, 0.00, N/A) | 371.1 | N/A | 0.9574 [1.0000] | 95.7% { 100.0% } |  | | |
| 13C4_PFOA_IIS | (417.0 / 372.0) 134675 | (7.94, N/A) (N/A, 0.00, N/A) | 606.4 | N/A | 1.0759 [1.0000] | 107.6% { 100.0% } |  | | |
| 13C5_PFNA_IIS | (468.0 / 423.0) 101063 | (8.69, N/A) (N/A, 0.00, N/A) | 310.6 | N/A | 1.0125 [1.0000] | 101.2% { 100.0% } |  | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|----------------|------------------------------|--|--------|-------------------------------------|---------------------------------|---------------------------|---|----------------------------|------|
| 13C2_PFDA_IIS | (515.1 / 470.1) 111605 | (9.37, N/A) (N/A, 0.00, N/A) | 299.5 | N/A | 1.0762 [1.0000] | 107.6% { 100.0% } |  | | |
| 18O2_PFHxS_IIS | (403.0 / 83.9) 245418 | (8.08, N/A) (N/A, 0.00, N/A) | 839.0 | N/A | 1.0373 [1.0000] | 103.7% { 100.0% } |  | | |
| 13C4_PFOS_IIS | (502.8 / 79.9) 209553 | (9.50, N/A) (N/A, 0.00, N/A) | 336.5 | N/A | 1.0445 [1.0000] | 104.5% { 100.0% } |  | | |
| 13C4_PFBA_EIS | (217.0 / 172.0) 745266 | (3.71, N/A) (N/A, 0.00, N/A) | 909.6 | N/A | 8.2302 [8.0000] | 102.9% { 100.0% } |  | | |
| 13C5_PFPeA_EIS | (267.9 / 223.0) 392252 | (5.03, N/A) (N/A, 0.00, N/A) | 1125.2 | N/A | 4.2295 [4.0000] | 105.7% { 100.0% } |  | | |
| 13C5_PFHxA_EIS | (318.0 / 273.0) 290990 | (6.19, N/A) (N/A, 0.00, N/A) | 506.3 | N/A | 1.9623 [2.0000] | 98.1% { 100.0% } |  | | |
| 13C4_PFHpA_EIS | (367.0 / 322.0) 276978 | (7.13, N/A) (N/A, 0.00, N/A) | 552.6 | N/A | 2.1141 [2.0000] | 105.7% { 100.0% } |  | | |
| 13C8_PFOA_EIS | (421.0 / 376.0) 268163 | (7.94, N/A) (N/A, 0.00, N/A) | 799.5 | N/A | 1.8020 [2.0000] | 90.1% { 100.0% } |  | | |
| 13C9_PFNA_EIS | (472.0 / 427.0) 106432 | (8.69, N/A) (N/A, 0.00, N/A) | 404.2 | N/A | 0.9641 [1.0000] | 96.4% { 100.0% } |  | | |
| 13C6_PFDA_EIS | (519.0 / 474.0) 133451 | (9.37, N/A) (N/A, 0.00, N/A) | 244.9 | N/A | 0.8824 [1.0000] | 88.2% { 100.0% } |  | | |
| 13C7_PFUnA_EIS | (570.0 / 525.0) 197550 | (9.74, N/A) (N/A, 0.00, N/A) | 365.8 | N/A | 0.9072 [1.0000] | 90.7% { 100.0% } |  | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|-----------------|------------------------------|--|-------|-------------------------------------|---------------------------------|---------------------------|---|----------------------------|------|
| 13C2_PFDa_EIS | (615.0 / 570.0) 257530 | (9.91, N/A) (N/A, 0.00, N/A) | 546.3 | N/A | 1.0487 [1.0000] | 104.9% { 100.0% } |  | | |
| 13C2_PFTeDA_EIS | (715.0 / 670.0) 145371 | (10.14, N/A) (N/A, 0.00, N/A) | 381.7 | N/A | 0.9740 [1.0000] | 97.4% { 100.0% } |  | | |
| 13C3_PFBs_EIS | (302.0 / 80.0) 713630 | (6.15, N/A) (N/A, 0.00, N/A) | 867.4 | N/A | 1.7804 [2.0000] | 89.0% { 100.0% } |  | | |
| 13C3_PFHxS_EIS | (402.0 / 80.0) 406930 | (8.07, N/A) (N/A, 0.00, N/A) | 966.3 | N/A | 1.9577 [2.0000] | 97.9% { 100.0% } |  | | |
| 13C8_PFOS_EIS | (507.0 / 80.0) 570335 | (9.50, N/A) (N/A, 0.00, N/A) | 378.8 | N/A | 1.6568 [2.0000] | 82.8% { 100.0% } |  | | |
| 13C2_4:2FTS_EIS | (329.0 / 81.0) 84195 | (5.86, N/A) (N/A, 0.00, N/A) | 430.1 | N/A | 3.7253 [4.0000] | 93.1% { 100.0% } |  | | |
| 13C2_6:2FTS_EIS | (429.0 / 81.0) 109832 | (7.60, N/A) (N/A, 0.00, N/A) | 651.5 | N/A | 3.7920 [4.0000] | 94.8% { 100.0% } |  | | |
| 13C2_8:2FTS_EIS | (529.0 / 81.0) 83392 | (9.02, N/A) (N/A, 0.00, N/A) | 348.9 | N/A | 3.2115 [4.0000] | 80.3% { 100.0% } |  | | |
| 13C8_PFOsa_EIS | (506.0 / 78.0) 924534 | (10.19, N/A) (N/A, 0.00, N/A) | 592.9 | N/A | 1.8455 [2.0000] | 92.3% { 100.0% } |  | | |
| D3_NMeFOSA_EIS | (515.0 / 169.0) 246100 | (10.62, N/A) (N/A, 0.00, N/A) | 679.8 | N/A | 1.9719 [2.0000] | 98.6% { 100.0% } |  | | |
| D5_NEiFOSA_EIS | (531.1 / 169.0) 246293 | (10.71, N/A) (N/A, 0.00, N/A) | 859.7 | N/A | 2.1133 [2.0000] | 105.7% { 100.0% } |  | | |



Chemist: DAG
 Instrument: Saphira
 Type: Sciex Q3 5500

Sample I.D.: SB03858-CCV1
 DF, IV: 1, 10.0µL
 Acquisition Method: 1633 2022-12-13.dam

Quant Method: 1633 - 2022-12-15A
 Path: S2022-12-15B (3)
 Acquired: 2022/12/15 - 15:19

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (ΔRT-I[min], ΔRT-CV[min], ΔRT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|-----------------|------------------------------|--|--------|-------------------------------------|---------------------------------|---------------------------|-----------------------|----------------------------|------|
| D3_MeFOSAA_EIS | (573.0 / 419.0) 298921 | (9.54 , N/A) (N/A , 0.00 , N/A) | 368.2 | N/A | 3.7019 [4.0000] | 92.5% { 100.0% } | | | |
| D5_EtFOSAA_EIS | (589.0 / 419.0) 271335 | (9.71 , N/A) (N/A , 0.00 , N/A) | 258.6 | N/A | 4.0432 [4.0000] | 101.1% { 100.0% } | | | |
| D7_NMeFOSE_EIS | (623.2 / 58.9) 501822 | (10.59 , N/A) (N/A , 0.00 , N/A) | 1054.2 | N/A | 20.9030 [20.0000] | 104.5% { 100.0% } | | | |
| D9_NEtFOSE_EIS | (639.2 / 58.9) 278475 | (10.68 , N/A) (N/A , 0.00 , N/A) | 1502.3 | N/A | 21.5408 [20.0000] | 107.7% { 100.0% } | | | |
| 13C3_HFPODA_EIS | (287.0 / 169.0) 793105 | (6.54 , N/A) (N/A , 0.00 , N/A) | 1152.5 | N/A | 8.7841 [8.0000] | 109.8% { 100.0% } | | | |

INITIAL AND CONTINUING CALIBRATION CHECK

Table B-15b

| | | | |
|-----------------|------------------|---------------|--------------|
| Laboratory:b | APPL, LLC | Work Order:b | 22L0004b |
| Client:b | Tidewater, Inc.b | Project:b | NASA JPL Slb |
| Instrument ID:b | Saphirab | Calibration:b | 2251019b |
| Standard ID:b | 22L03040 | Sequence:b | SB03858b |

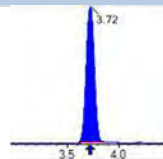
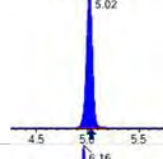
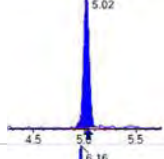
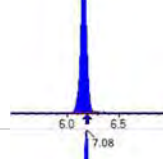
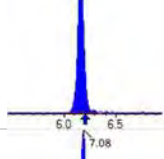
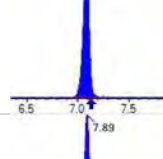
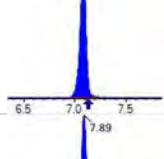
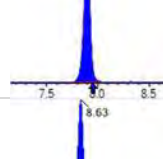
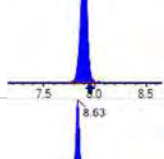
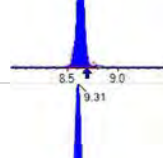
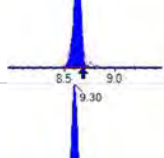
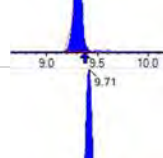
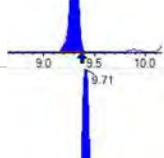
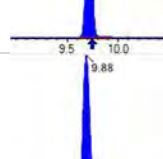
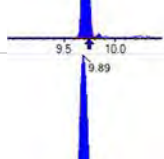
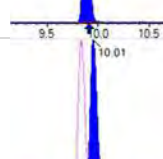
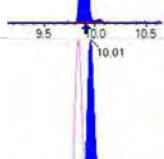
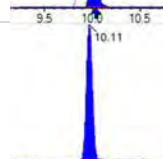
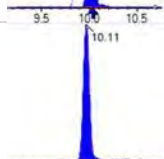
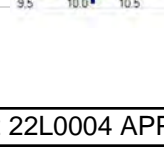
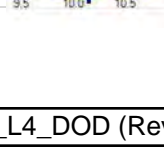
| Lab Sample ID | Analyte | True | Found | %R | Units | Control Limit |
|---------------|-----------|------|-------|------|-------|---------------|
| SB03858-CCV2 | PFBA | 20.0 | 20.8 | 104 | ng/mL | +/- 30.00% |
| | PFPEA | 10.0 | 9.23 | 92.3 | ng/mL | +/- 30.00% |
| | PFHXA | 5.00 | 5.00 | 100 | ng/mL | +/- 30.00% |
| | PFHPA | 5.00 | 4.88 | 97.7 | ng/mL | +/- 30.00% |
| | PFOA | 5.00 | 4.97 | 99.5 | ng/mL | +/- 30.00% |
| | PFNA | 5.00 | 5.68 | 114 | ng/mL | +/- 30.00% |
| | PFDA | 5.00 | 5.19 | 104 | ng/mL | +/- 30.00% |
| | PFUnA | 5.00 | 4.81 | 96.2 | ng/mL | +/- 30.00% |
| | PFDOA | 5.00 | 5.58 | 112 | ng/mL | +/- 30.00% |
| | PFTRDA | 5.00 | 6.00 | 120 | ng/mL | +/- 30.00% |
| | PFTEDA | 5.00 | 5.85 | 117 | ng/mL | +/- 30.00% |
| | PFBS | 4.42 | 4.64 | 105 | ng/mL | +/- 30.00% |
| | PFPEs | 4.70 | 4.09 | 87.0 | ng/mL | +/- 30.00% |
| | PFHXs | 4.58 | 4.03 | 88.1 | ng/mL | +/- 30.00% |
| | PFHPS | 4.78 | 4.04 | 84.5 | ng/mL | +/- 30.00% |
| | PFOS | 4.65 | 3.58 | 76.9 | ng/mL | +/- 30.00% |
| | PFNS | 4.80 | 4.01 | 83.6 | ng/mL | +/- 30.00% |
| | PFDS | 4.82 | 4.20 | 87.1 | ng/mL | +/- 30.00% |
| | 4:2FTS | 18.8 | 19.0 | 101 | ng/mL | +/- 30.00% |
| | 6:2FTS | 19.0 | 17.5 | 92.3 | ng/mL | +/- 30.00% |
| | 8:2FTS | 19.2 | 24.8 | 129 | ng/mL | +/- 30.00% |
| | PFOSA | 5.00 | 4.62 | 92.3 | ng/mL | +/- 30.00% |
| | NMeFOSA | 20.0 | 19.9 | 99.4 | ng/mL | +/- 30.00% |
| | NEtFOSA | 20.0 | 18.4 | 91.8 | ng/mL | +/- 30.00% |
| | NMeFOSAAb | 5.00 | 5.88 | 118 | ng/mL | +/- 30.00% |
| | NEtFOSAAb | 5.00 | 4.53 | 90.7 | ng/mL | +/- 30.00% |
| | NMeFOSE | 20.0 | 20.9 | 104 | ng/mL | +/- 30.00% |
| | NEtFOSE | 20.0 | 17.5 | 87.4 | ng/mL | +/- 30.00% |
| | HFPO-DAb | 10.0 | 9.81 | 98.1 | ng/mL | +/- 30.00% |
| | ADONA | 9.45 | 9.17 | 97.0 | ng/mL | +/- 30.00% |

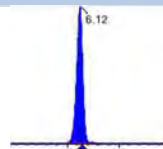
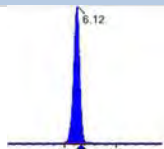
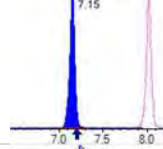
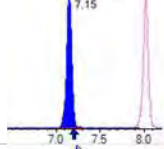
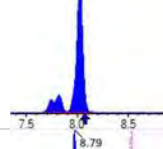
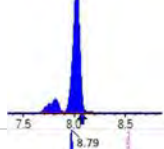
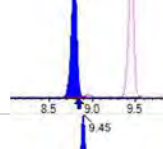
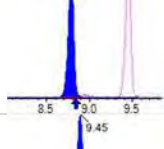
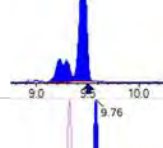
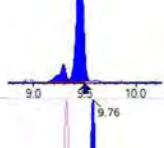
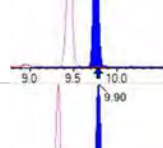
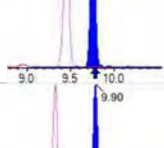
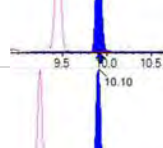
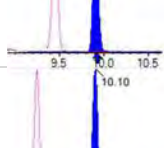
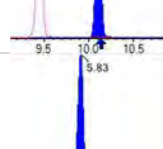
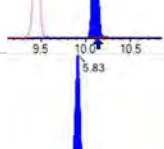
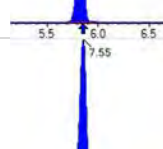
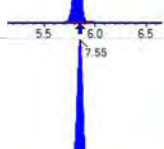
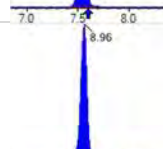
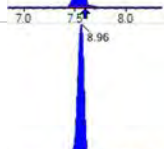
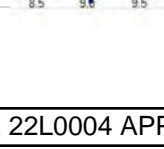
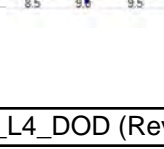
INITIAL AND CONTINUING CALIBRATION CHECK

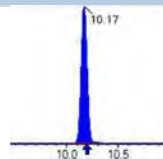
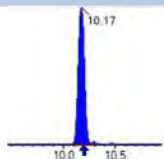
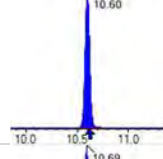
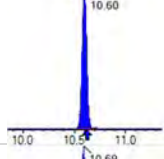
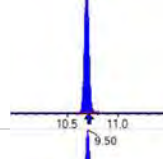
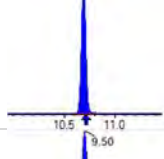
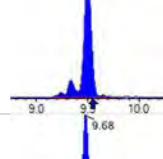
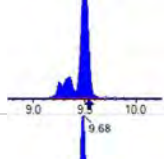
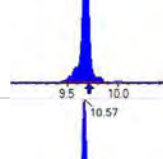
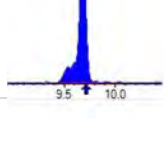
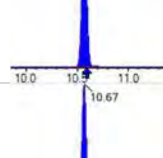
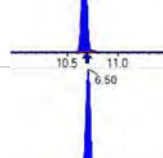
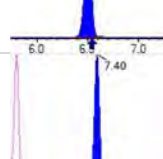
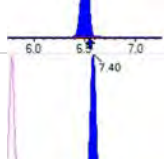
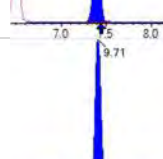
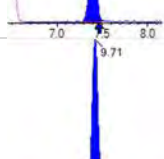
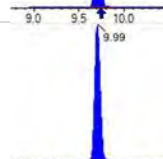
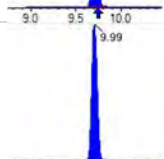
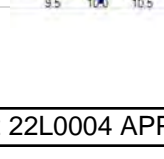
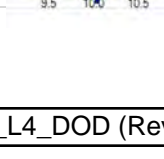
Table B-15

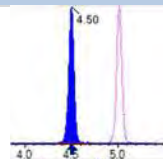
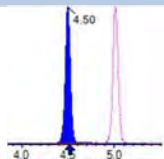
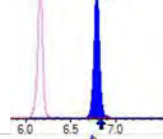
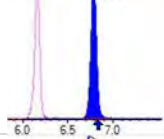
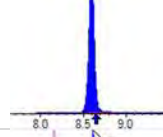
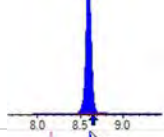
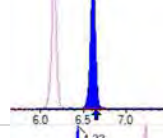
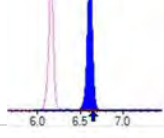
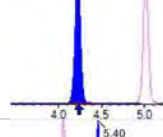
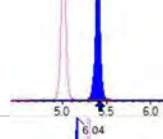
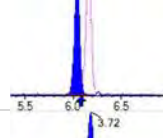
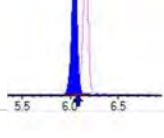
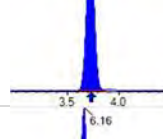
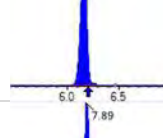
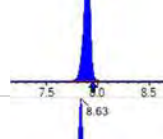
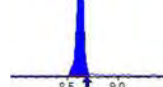
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| Client: | Tidewater, Inc. | Project: | NASA JPL S1b |
| Instrument ID: | Saphirab | Calibration: | 2251019b |
| Standard ID: | 22L03040 | Sequence: | SB03858b |

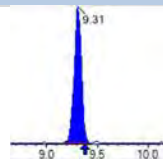
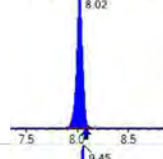
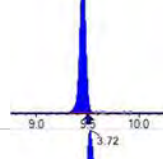
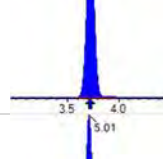
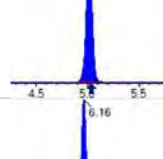
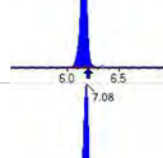
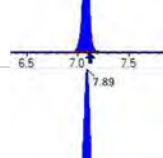
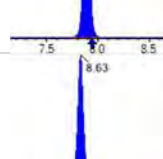
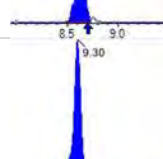
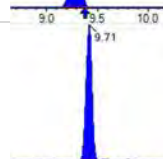

| Lab Sample ID | Analyte | True | Found | %R | Units | Control Limit |
|---------------|--------------|------|-------|------|-------|---------------|
| SB03858-CCV2 | 9CL-PF3ONS | 9.35 | 9.05 | 96.8 | ng/mL | +/- 30.00% |
| | 11CL-PF3OUDS | 9.45 | 8.67 | 91.8 | ng/mL | +/- 30.00% |

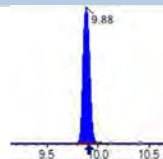
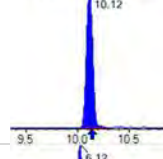
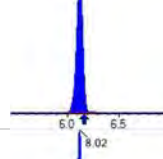
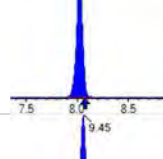
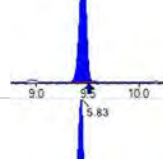
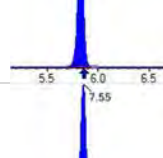
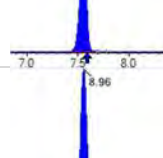
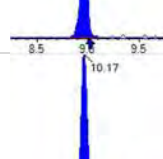
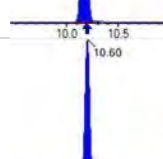
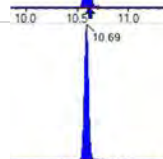
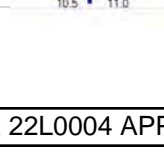
| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|---------|--|--|----------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| PFBA | (212.9 / 169.0) 1103802 | (3.72, 1.00) (0.00, N/A, 0.0) | 71.8 | N/A 0.0 0.0 | 20.8301 [20.0000] | 104.2% |  | | |
| PFPeA | (262.9 / 219.0) 814388 (262.9 / 69.0) 9546 | (5.02, 1.00) (0.00, N/A, 0.1) | 849.5 236.8 | 0.0117 13733.4 105.0 | 9.2282 [10.0000] | 92.3% |  |  | |
| PFHxA | (313.0 / 269.0) 637508 (313.0 / 119.0) 61727 | (6.16, 1.00) (0.00, N/A, -0.1) | 876.7 319.8 | 0.0968 98.7 104.6 | 5.0030 [5.0000] | 100.1% |  |  | |
| PFHpA | (363.0 / 319.0) 587543 (363.0 / 169.0) 171054 | (7.08, 1.00) (0.00, N/A, 0.0) | 708.3 594.0 | 0.2911 93.2 98.0 | 4.8827 [5.0000] | 97.7% |  |  | |
| PFOA | (413.0 / 369.0) 587901 (413.0 / 169.0) 206164 | (7.89, 1.00) (0.00, N/A, 0.1) | 765.2 739.7 | 0.3507 104.1 111.7 | 4.9733 [5.0000] | 99.5% |  |  | |
| PFNA | (463.0 / 419.0) 403493 (463.0 / 169.0) 85134 | (8.63, 1.00) (0.00, N/A, 0.0) | 437.6 120.8 | 0.2110 105.1 96.7 | 5.6811 [5.0000] | 113.6% |  |  | |
| PFDA | (513.0 / 469.0) 573673 (513.0 / 169.0) 50203 | (9.31, 1.00) (0.00, N/A, 0.3) | 434.2 227.6 | 0.0875 110.0 90.8 | 5.1873 [5.0000] | 103.7% |  |  | |
| PFUnA | (563.0 / 519.0) 668230 (563.0 / 169.0) 74814 | (9.71, 1.00) (0.00, N/A, 0.1) | 444.2 229.0 | 0.1120 100.0 101.0 | 4.8085 [5.0000] | 96.2% |  |  | |
| PFDoA | (613.0 / 569.0) 946915 (613.0 / 169.0) 102923 | (9.88, 1.00) (0.00, N/A, -0.2) | 781.4 265.8 | 0.1087 86.5 81.5 | 5.5845 [5.0000] | 111.7% |  |  | |
| PFTrDA | (663.0 / 619.0) 839946 (663.0 / 169.0) 165766 | (10.01, 1.01) (N/A, -0.02, -0.1) | 996.8 306.2 | 0.1974 94.4 104.2 | 6.0026 [5.0000] | 120.1% |  |  | |
| PFTeDA | (713.0 / 669.0) 797222 (713.0 / 169.0) 116517 | (10.11, 1.00) (0.00, N/A, 0.0) | 647.0 490.7 | 0.1462 64.4 88.3 | 5.8537 [5.0000] | 117.1% |  |  | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|---------|--|--|------------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| PFBS | (298.9 / 80.0) 863244 (298.9 / 99.0) 575565 | (6.12 , 1.00) (0.00 , N/A , 0.0) | 662.7 981.4 | 0.6667 98.0 101.3 | 4.6416 [4.4237] | 104.9% |  |  | |
| PFPeS | (349.0 / 80.0) 1596851 (349.0 / 99.0) 601490 | (7.15 , 0.89) (N/A , -0.05 , 0.1) | 798.9 1133.2 | 0.3767 100.9 97.0 | 4.0899 [4.6919] | 87.2% |  |  | |
| PFHxS | (399.0 / 80.0) 1335073 (399.0 / 99.0) 458411 | (8.02 , 1.00) (0.00 , N/A , 0.1) | 3158.0 3937.2 | 0.3434 100.2 96.9 | 4.0335 [4.5549] | 88.6% |  |  | |
| PFHpS | (449.0 / 80.0) 1262371 (449.0 / 99.0) 331866 | (8.79 , 0.93) (N/A , -0.06 , 0.1) | 685.7 576.9 | 0.2629 89.6 99.8 | 4.0408 [4.7570] | 84.9% |  |  | |
| PFOS | (499.0 / 80.0) 1385072 (499.0 / 99.0) 354051 | (9.45 , 1.00) (0.00 , N/A , 0.0) | 118.7 152.9 | 0.2556 111.8 110.4 | 3.5761 [4.6375] | 77.1% |  |  | |
| PFNS | (549.0 / 80.0) 1786237 (549.0 / 99.0) 460440 | (9.76 , 1.03) (N/A , -0.03 , -0.1) | 1277.6 747.6 | 0.2578 103.3 103.9 | 4.0107 [4.7994] | 83.6% |  |  | |
| PFDS | (599.0 / 80.0) 2306725 (599.0 / 99.0) 514192 | (9.90 , 1.05) (N/A , -0.02 , 0.0) | 900.7 642.0 | 0.2229 87.4 99.5 | 4.1974 [4.8155] | 87.2% |  |  | |
| PFDoS | (698.9 / 80.0) 1348896 (698.9 / 99.0) 298103 | (10.10 , 1.07) (N/A , -0.02 , 0.0) | 1084.1 591.9 | 0.2210 107.6 92.1 | 4.7024 [4.8478] | 97.0% |  |  | |
| 4:2FTS | (327.0 / 307.0) 1242582 (327.0 / 81.0) 738466 | (5.83 , 1.00) (0.00 , N/A , 0.0) | 674.1 792.2 | 0.5943 118.9 106.1 | 19.0028 [18.6906] | 101.7% |  |  | |
| 6:2FTS | (427.0 / 407.0) 757832 (427.0 / 81.0) 493339 | (7.55 , 1.00) (0.00 , N/A , 0.1) | 994.9 1006.1 | 0.6510 90.9 87.6 | 17.5293 [18.9808] | 92.4% |  |  | |
| 8:2FTS | (527.0 / 507.0) 725508 (527.0 / 81.0) 471169 | (8.96 , 1.00) (0.00 , N/A , 0.0) | 588.7 476.0 | 0.6494 92.3 105.9 | 24.7523 [19.1658] | 129.1% |  |  | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|--------------|--|--|------------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| PFOSA | (498.0 / 78.0) 2064488 (498.0 / 478.0) 50181 | (10.17 , 1.00) (0.00 , N/A , -0.1) | 687.5 1339.1 | 0.0243 102.8 131.7 | 4.6170 [5.0000] | 92.3% |  |  | |
| NMeFOSA | (511.9 / 219.0) 1960748 (511.9 / 169.0) 1377637 | (10.60 , 1.00) (0.00 , N/A , 0.0) | 792.1 970.2 | 0.7026 100.8 105.7 | 19.8820 [20.0000] | 99.4% |  |  | |
| NEIFOSA | (526.0 / 219.0) 2048179 (526.0 / 169.0) 2147042 | (10.69 , 1.00) (0.00 , N/A , 0.0) | 1260.4 1524.5 | 1.0483 93.1 99.3 | 18.3606 [20.0000] | 91.8% |  |  | |
| NMeFOSAA | (570.0 / 419.0) 294473 (570.0 / 483.0) 144298 | (9.50 , 1.00) (0.00 , N/A , 0.1) | 383.1 799.1 | 0.4900 104.3 95.7 | 5.8787 [5.0000] | 117.6% |  |  | |
| NEIFOSAA | (584.0 / 419.0) 257672 (584.0 / 526.0) 173336 | (9.68 , 1.00) (0.00 , N/A , -0.1) | 686.9 1106.9 | 0.6727 87.3 106.8 | 4.5330 [5.0000] | 90.7% |  |  | |
| NMeFOSE | (616.1 / 59.0) 614557 | (10.57 , 1.00) (0.01 , N/A , 0.0) | 796.1 | N/A 0.0 0.0 | 20.8584 [20.0000] | 104.3% |  | | |
| NEIFOSE | (630.0 / 59.0) 148184 | (10.67 , 1.00) (0.01 , N/A , 0.0) | 1211.8 | N/A 0.0 0.0 | 17.4787 [20.0000] | 87.4% |  | | |
| HFPO-DA | (285.0 / 169.0) 534896 (285.0 / 185.0) 1514240 | (6.50 , 1.00) (0.00 , N/A , 0.0) | 1093.2 1157.5 | 2.8309 111.0 100.5 | 9.8102 [10.0000] | 98.1% |  |  | |
| ADONA | (377.0 / 85.0) 2072618 (377.0 / 251.0) 270952 | (7.40 , 1.14) (N/A , -0.05 , 0.1) | 900.3 526.6 | 0.1307 104.2 108.9 | 9.1696 [9.4270] | 97.3% |  |  | |
| 9CI-Pf3ONS | (531.0 / 351.0) 5803327 (533.0 / 353.0) 1863592 | (9.71 , 1.49) (N/A , -0.03 , 0.0) | 572.7 640.1 | 0.3211 101.4 102.4 | 9.0537 [9.3325] | 97.0% |  |  | |
| 11CI-PF3OUDS | (631.0 / 451.0) 3662166 (633.0 / 453.0) 1179405 | (9.99 , 1.54) (N/A , -0.03 , 0.0) | 804.8 848.4 | 0.3221 110.1 102.0 | 8.6704 [9.4321] | 91.9% |  |  | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-I[μ min], Δ RT- CV[μ min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|----------------|--|---|----------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| 3:3FTCA | (241.0 / 177.0) 69008 (241.0 / 117.0) 124172 | (4.50, 0.90) (N/A, -0.01, 0.1) | 769.7 724.6 | 1.7994 0.1 104.3 | 18.2317 [20.0000] | 91.2% |  |  | IR1, |
| 5:3FTCA | (341.0 / 236.7) 555200 (341.0 / 217.0) 849943 | (6.79, 1.10) (N/A, -0.04, 0.1) | 722.6 685.2 | 1.5309 96.9 88.9 | 21.3975 [20.0000] | 107.0% |  |  | |
| 7:3FTCA | (441.0 / 317.0) 616926 (441.0 / 337.0) 496419 | (8.60, 1.40) (N/A, -0.06, 0.1) | 484.8 531.5 | 0.8047 98.9 95.5 | 21.0682 [20.0000] | 105.3% |  |  | |
| PFEESA | (315.0 / 135.0) 1204439 (315.0 / 83.0) 345731 | (6.61, 1.07) (N/A, -0.04, 0.0) | 925.4 987.3 | 0.2870 101.6 96.6 | 9.2042 [8.9246] | 103.1% |  |  | |
| PFMPA | (229.0 / 85.0) 220816 | (4.22, 0.84) (N/A, -0.01, 0.0) | 1131.7 | N/A 0.0 0.0 | 9.2703 [10.0000] | 92.7% |  | | |
| PFMBA | (279.0 / 85.0) 719819 | (5.40, 1.08) (N/A, -0.02, 0.0) | 942.0 | N/A 0.0 0.0 | 9.2572 [10.0000] | 92.6% |  | | |
| NFDHA | (201.0 / 85.0) 23049 (295.0 / 201.0) 200285 | (6.04, 0.98) (N/A, -0.04, -0.2) | 378.2 793.4 | 8.6894 1.1 125.6 | 9.0667 [10.0000] | 90.7% |  |  | IR1, |
| 13C3_PFBA_IIS | (216.0 / 172.0) 83948 | (3.72, N/A) (N/A, 0.01, N/A) | 743.8 | N/A | 0.9602 [1.0000] | 96.0% { 96.0% } |  | | |
| 13C2_PFHxA_IIS | (315.1 / 270.0) 127668 | (6.16, N/A) (N/A, -0.04, N/A) | 768.7 | N/A | 0.9703 [1.0000] | 97.0% { 101.3% } |  | | |
| 13C4_PFOA_IIS | (417.0 / 372.0) 127608 | (7.89, N/A) (N/A, -0.05, N/A) | 647.5 | N/A | 1.0195 [1.0000] | 101.9% { 94.8% } |  | | |
| 13C5_PFNA_IIS | (468.0 / 423.0) 92513 | (8.63, N/A) (N/A, -0.06, N/A) | 319.2 | N/A | 0.9268 [1.0000] | 92.7% { 91.5% } |  | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-I[μ min], Δ RT- CV[μ min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|----------------|------------------------------|---|---------|-------------------------------------|---------------------------------|---------------------------|---|----------------------------|------|
| 13C2_PFDA_IIS | (515.1 / 470.1) 89904 | (9.31, N/A) (N/A, -0.06, N/A) | 376.1 | N/A | 0.8669 [1.0000] | 86.7% { 80.6% } |  | | |
| 18O2_PFHxS_IIS | (403.0 / 83.9) 224362 | (8.02, N/A) (N/A, -0.06, N/A) | 826.9 | N/A | 0.9483 [1.0000] | 94.8% { 91.4% } |  | | |
| 13C4_PFOS_IIS | (502.8 / 79.9) 173173 | (9.45, N/A) (N/A, -0.05, N/A) | 426.8 | N/A | 0.8632 [1.0000] | 86.3% { 82.6% } |  | | |
| 13C4_PFBA_EIS | (217.0 / 172.0) 638279 | (3.72, N/A) (N/A, 0.01, N/A) | 731.8 | N/A | 7.3438 [8.0000] | 91.8% { 85.6% } |  | | |
| 13C5_PFPeA_EIS | (267.9 / 223.0) 389905 | (5.01, N/A) (N/A, -0.02, N/A) | 871.2 | N/A | 4.1483 [4.0000] | 103.7% { 99.4% } |  | | |
| 13C5_PFHxA_EIS | (318.0 / 273.0) 280901 | (6.16, N/A) (N/A, -0.03, N/A) | 678.1 | N/A | 1.8690 [2.0000] | 93.5% { 96.5% } |  | | |
| 13C4_PFHpA_EIS | (367.0 / 322.0) 266521 | (7.08, N/A) (N/A, -0.05, N/A) | 768.5 | N/A | 2.0072 [2.0000] | 100.4% { 96.2% } |  | | |
| 13C8_PFOA_EIS | (421.0 / 376.0) 249443 | (7.89, N/A) (N/A, -0.05, N/A) | 972.3 | N/A | 1.7690 [2.0000] | 88.5% { 93.0% } |  | | |
| 13C9_PFNA_EIS | (472.0 / 427.0) 84052 | (8.63, N/A) (N/A, -0.06, N/A) | 270.4 | N/A | 0.8318 [1.0000] | 83.2% { 79.0% } |  | | |
| 13C6_PFDA_EIS | (519.0 / 474.0) 119956 | (9.30, N/A) (N/A, -0.06, N/A) | 12720.5 | N/A | 0.9847 [1.0000] | 98.5% { 89.9% } |  | | |
| 13C7_PFUnA_EIS | (570.0 / 525.0) 186464 | (9.71, N/A) (N/A, -0.03, N/A) | 404.7 | N/A | 1.0630 [1.0000] | 106.3% { 94.4% } |  | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|-----------------|------------------------------|--|--------|-------------------------------------|---------------------------------|---------------------------|---|----------------------------|------|
| 13C2_PFDa_EIS | (615.0 / 570.0) 211681 | (9.88, N/A) (N/A, -0.03, N/A) | 348.5 | N/A | 1.0701 [1.0000] | 107.0% { 82.2% } |  | | |
| 13C2_PFTeDA_EIS | (715.0 / 670.0) 142302 | (10.12, N/A) (N/A, -0.02, N/A) | 400.0 | N/A | 1.1836 [1.0000] | 118.4% { 97.9% } |  | | |
| 13C3_PFBs_EIS | (302.0 / 80.0) 680944 | (6.12, N/A) (N/A, -0.03, N/A) | 766.2 | N/A | 1.8583 [2.0000] | 92.9% { 95.4% } |  | | |
| 13C3_PFHxS_EIS | (402.0 / 80.0) 416247 | (8.02, N/A) (N/A, -0.05, N/A) | 1143.2 | N/A | 2.1904 [2.0000] | 109.5% { 102.3% } |  | | |
| 13C8_PFOS_EIS | (507.0 / 80.0) 704777 | (9.45, N/A) (N/A, -0.05, N/A) | 375.0 | N/A | 2.4775 [2.0000] | 123.9% { 123.6% } |  | | |
| 13C2_4:2FTS_EIS | (329.0 / 81.0) 82015 | (5.83, N/A) (N/A, -0.03, N/A) | 579.3 | N/A | 3.9694 [4.0000] | 99.2% { 97.4% } |  | | |
| 13C2_6:2FTS_EIS | (429.0 / 81.0) 111999 | (7.55, N/A) (N/A, -0.05, N/A) | 616.8 | N/A | 4.2298 [4.0000] | 105.7% { 102.0% } |  | | |
| 13C2_8:2FTS_EIS | (529.0 / 81.0) 79989 | (8.96, N/A) (N/A, -0.07, N/A) | 204.2 | N/A | 3.3695 [4.0000] | 84.2% { 95.9% } |  | | |
| 13C8_PFOsa_EIS | (506.0 / 78.0) 898496 | (10.17, N/A) (N/A, -0.03, N/A) | 667.3 | N/A | 2.1703 [2.0000] | 108.5% { 97.2% } |  | | |
| D3_NMeFOSA_EIS | (515.0 / 169.0) 247213 | (10.60, N/A) (N/A, -0.02, N/A) | 831.8 | N/A | 2.3969 [2.0000] | 119.8% { 100.5% } |  | | |
| D5_NeIFOSA_EIS | (531.1 / 169.0) 244659 | (10.69, N/A) (N/A, -0.02, N/A) | 877.9 | N/A | 2.5404 [2.0000] | 127.0% { 99.3% } |  | | |



Chemist: DAG
 Instrument: Saphira
 Type: Sciex Q3 5500

Sample I.D.: SB03858-CCV2
 DF, IV: 1, 10.0µL
 Acquisition Method: 1633 2022-12-13.dam

Quant Method: 1633 - 2022-12-15A
 Path: S2022-12-15B (25)
 Acquired: 2022/12/15 - 20:24

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (ΔRT-I[min], ΔRT-CV[min], ΔRT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|-----------------|------------------------------|--|--------|-------------------------------------|---------------------------------|---------------------------|-----------------------|----------------------------|------|
| D3_MeFOSAA_EIS | (573.0 / 419.0) 276469 | (9.50 , N/A) (N/A , -0.05 , N/A) | 396.3 | N/A | 4.1432 [4.0000] | 103.6% { 92.5% } | | | |
| D5_EtFOSAA_EIS | (589.0 / 419.0) 252235 | (9.68 , N/A) (N/A , -0.03 , N/A) | 435.5 | N/A | 4.5482 [4.0000] | 113.7% { 93.0% } | | | |
| D7_NMeFOSE_EIS | (623.2 / 58.9) 462772 | (10.56 , N/A) (N/A , -0.02 , N/A) | 849.1 | N/A | 23.3259 [20.0000] | 116.6% { 92.2% } | | | |
| D9_NEtFOSE_EIS | (639.2 / 58.9) 265620 | (10.66 , N/A) (N/A , -0.02 , N/A) | 1460.8 | N/A | 24.8628 [20.0000] | 124.3% { 95.4% } | | | |
| 13C3_HFPODA_EIS | (287.0 / 169.0) 713872 | (6.50 , N/A) (N/A , -0.04 , N/A) | 901.0 | N/A | 7.8015 [8.0000] | 97.5% { 90.0% } | | | |

INITIAL AND CONTINUING CALIBRATION CHECK

Table B-15b

| | | | |
|-----------------|------------------|---------------|--------------|
| Laboratory:b | APPL, LLC | Work Order:b | 22L0004b |
| Client:b | Tidewater, Inc.b | Project:b | NASA JPL Slb |
| Instrument ID:b | Saphirab | Calibration:b | 2251019b |
| Standard ID:b | 22L03040 | Sequence:b | SB03858b |

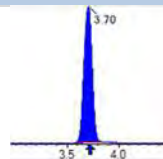
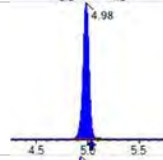
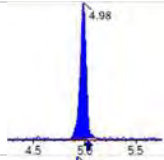
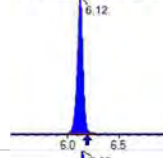
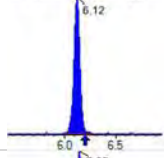
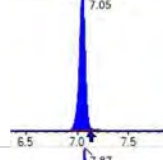
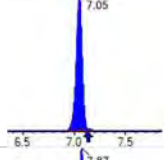
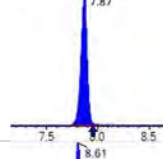
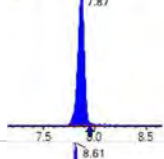
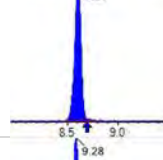
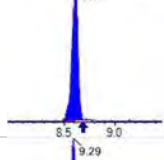
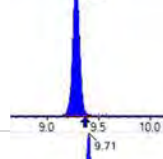
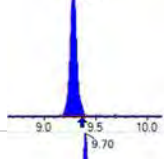
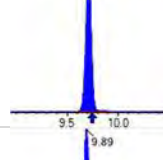
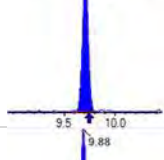
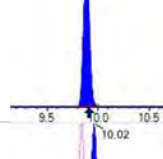
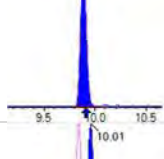
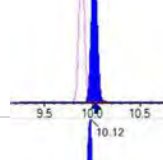
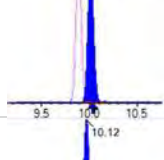
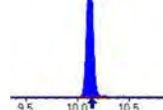
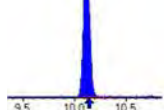
| Lab Sample ID | Analyte | True | Found | %R | Units | Control Limit |
|---------------|-----------|-------|-------|-------|--------|---------------|
| SB03858-CCV3b | PFBA | 20.0b | 20.6b | 103b | ng/mLb | +/- 30.00%b |
| | PFPE | 10.0b | 9.36b | 93.6b | ng/mLb | +/- 30.00%b |
| | PFHX | 5.00b | 4.81b | 96.2b | ng/mLb | +/- 30.00%b |
| | PFHP | 5.00b | 5.08b | 102b | ng/mLb | +/- 30.00%b |
| | PFO | 5.00b | 5.27b | 105b | ng/mLb | +/- 30.00%b |
| | PFNA | 5.00b | 5.04b | 101b | ng/mLb | +/- 30.00%b |
| | PFDA | 5.00b | 5.35b | 107b | ng/mLb | +/- 30.00%b |
| | PFUn | 5.00b | 5.43b | 109b | ng/mLb | +/- 30.00%b |
| | PFDO | 5.00b | 5.26b | 105b | ng/mLb | +/- 30.00%b |
| | PFTRD | 5.00b | 5.37b | 107b | ng/mLb | +/- 30.00%b |
| | PFTED | 5.00b | 4.44b | 88.8b | ng/mLb | +/- 30.00%b |
| | PFBS | 4.42b | 4.32b | 97.6b | ng/mLb | +/- 30.00%b |
| | PFPEs | 4.70b | 4.26b | 90.7b | ng/mLb | +/- 30.00%b |
| | PFHXs | 4.58b | 4.31b | 94.2b | ng/mLb | +/- 30.00%b |
| | PFHPS | 4.78b | 4.89b | 102b | ng/mLb | +/- 30.00%b |
| | PFOS | 4.65b | 4.76b | 102b | ng/mLb | +/- 30.00%b |
| | PFNS | 4.80b | 5.42b | 113b | ng/mLb | +/- 30.00%b |
| | PFDS | 4.82b | 5.12b | 106b | ng/mLb | +/- 30.00%b |
| | 4:2FTS | 18.8b | 18.5b | 98.6b | ng/mLb | +/- 30.00%b |
| | 6:2FTS | 19.0b | 20.3b | 107b | ng/mLb | +/- 30.00%b |
| | 8:2FTS | 19.2b | 20.6b | 107b | ng/mLb | +/- 30.00%b |
| | PFOSAb | 5.00b | 4.94b | 98.8b | ng/mLb | +/- 30.00%b |
| | NMeFOSAb | 20.0b | 21.2b | 106b | ng/mLb | +/- 30.00%b |
| | NEtFOSAb | 20.0b | 20.2b | 101b | ng/mLb | +/- 30.00%b |
| | NMeFOSAAb | 5.00b | 6.33b | 127b | ng/mLb | +/- 30.00%b |
| | NEtFOSAAb | 5.00b | 5.08b | 102b | ng/mLb | +/- 30.00%b |
| | NMeFOSEb | 20.0b | 20.3b | 102b | ng/mLb | +/- 30.00%b |
| | NEtFOSEb | 20.0b | 20.7b | 104b | ng/mLb | +/- 30.00%b |
| | HFPO-DAb | 10.0b | 10.6b | 106b | ng/mLb | +/- 30.00%b |
| | ADONAb | 9.45b | 9.44b | 99.9b | ng/mLb | +/- 30.00%b |

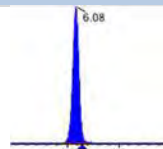
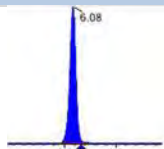
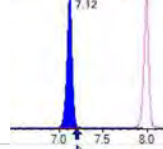
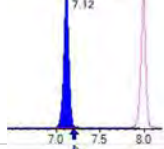
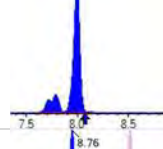
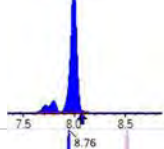
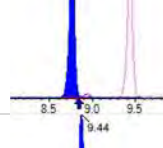
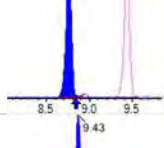
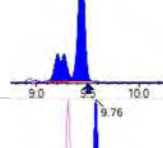
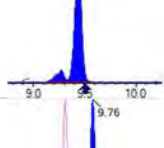
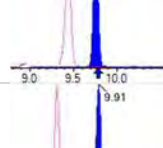
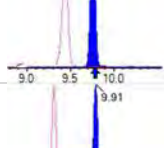
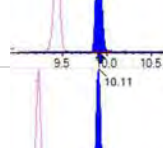
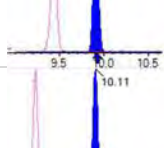
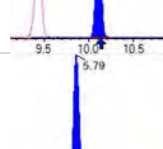
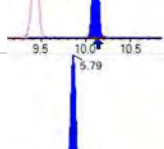
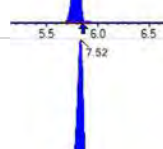
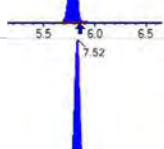
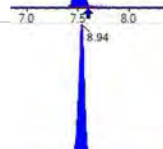
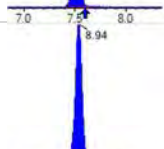
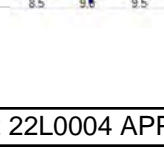
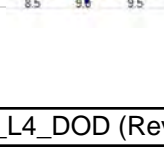
INITIAL AND CONTINUING CALIBRATION CHECK

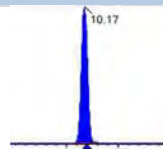
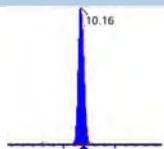
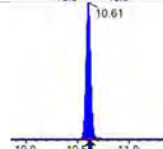
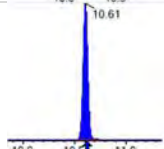
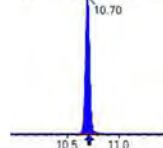
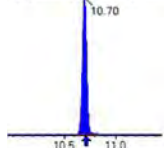
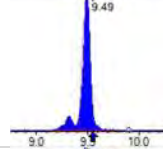
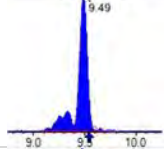
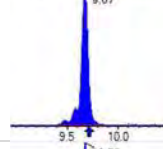
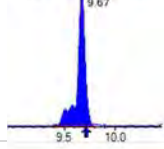
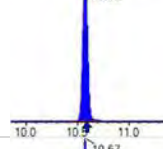
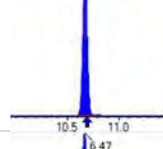
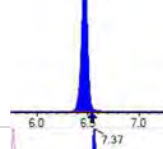
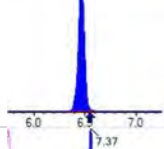
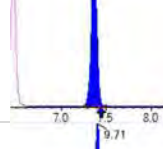
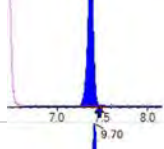
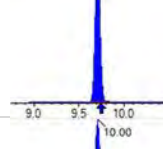
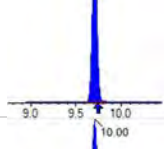
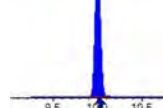
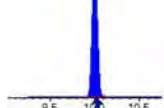
Table B-15

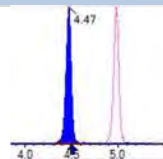
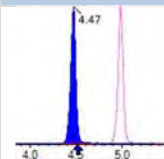
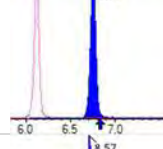
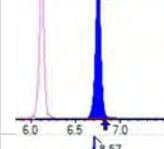
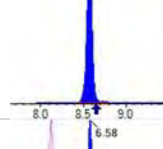
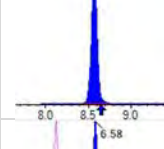
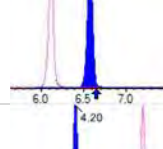
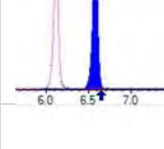
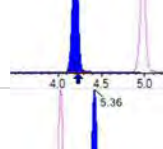
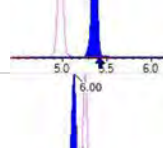
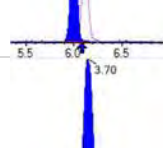
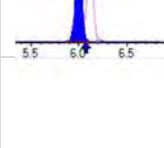
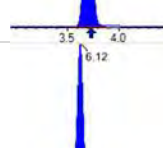
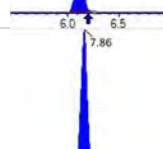
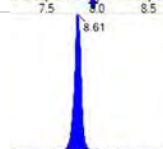
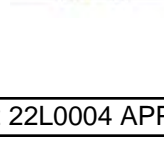
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| Client: | Tidewater, Inc. | Project: | NASA JPL S1b |
| Instrument ID: | Saphirab | Calibration: | 2251019b |
| Standard ID: | 22L03040 | Sequence: | SB03858b |

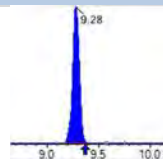
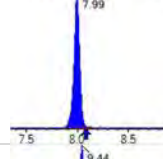
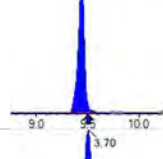
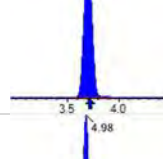
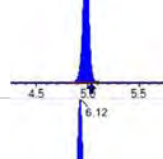
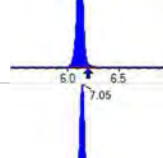
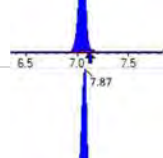
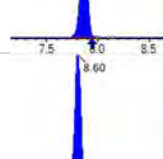
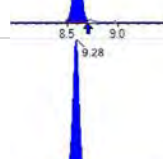
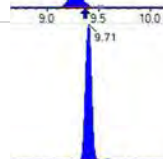
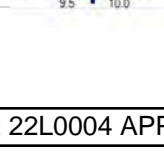
| Lab Sample ID | Analyte | True | Found | %R | Units | Control Limit |
|---------------|--------------|------|-------|-----|-------|---------------|
| SB03858-CCV3 | 9CL-PF3ONS | 9.35 | 9.76 | 104 | ng/mL | +/- 30.00% |
| | 11CL-PF3OUDS | 9.45 | 10.1 | 107 | ng/mL | +/- 30.00% |

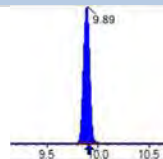
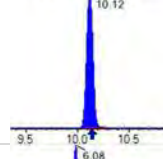
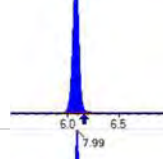
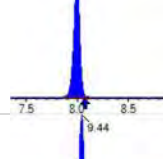
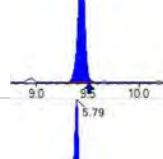
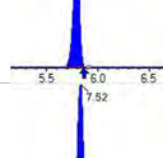
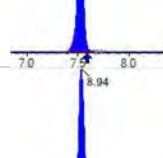
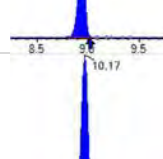
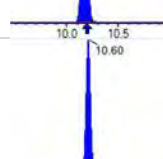
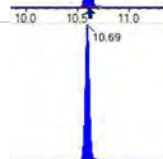
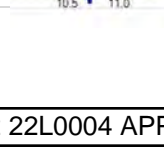
| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|---------|--|--|----------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| PFBA | (212.9 / 169.0) 1122767 | (3.70, 1.00) (0.00, N/A, 0.0) | 71.0 | N/A 0.0 0.0 | 20.5940 [20.0000] | 103.0% |  | | |
| PFPeA | (262.9 / 219.0) 803055 (262.9 / 69.0) 9056 | (4.98, 1.00) (0.00, N/A, -0.1) | 886.2 232.5 | 0.0113 13213.1 101.0 | 9.3577 [10.0000] | 93.6% |  |  | |
| PFHxA | (313.0 / 269.0) 623743 (313.0 / 119.0) 60920 | (6.12, 1.00) (0.00, N/A, 0.2) | 734.9 354.9 | 0.0977 99.6 105.5 | 4.8096 [5.0000] | 96.2% |  |  | |
| PFHpA | (363.0 / 319.0) 561190 (363.0 / 169.0) 161373 | (7.05, 1.00) (0.00, N/A, 0.1) | 591.4 627.1 | 0.2876 92.0 96.8 | 5.0819 [5.0000] | 101.6% |  |  | |
| PFOA | (413.0 / 369.0) 601338 (413.0 / 169.0) 187526 | (7.87, 1.00) (0.00, N/A, -0.1) | 804.5 623.2 | 0.3118 92.6 99.4 | 5.2700 [5.0000] | 105.4% |  |  | |
| PFNA | (463.0 / 419.0) 447879 (463.0 / 169.0) 88018 | (8.61, 1.00) (0.00, N/A, -0.1) | 497.6 108.7 | 0.1965 97.9 90.0 | 5.0422 [5.0000] | 100.8% |  |  | |
| PFDA | (513.0 / 469.0) 636096 (513.0 / 169.0) 62689 | (9.28, 1.00) (0.00, N/A, -0.2) | 530.6 907.3 | 0.0986 123.9 102.3 | 5.3544 [5.0000] | 107.1% |  |  | |
| PFUnA | (563.0 / 519.0) 703212 (563.0 / 169.0) 69283 | (9.71, 1.00) (0.00, N/A, 0.1) | 555.7 257.0 | 0.0985 88.0 88.9 | 5.4299 [5.0000] | 108.6% |  |  | |
| PFDoA | (613.0 / 569.0) 860722 (613.0 / 169.0) 98270 | (9.89, 1.00) (0.00, N/A, 0.1) | 778.8 328.4 | 0.1142 90.9 85.6 | 5.2638 [5.0000] | 105.3% |  |  | |
| PFTTrDA | (663.0 / 619.0) 724104 (663.0 / 169.0) 164424 | (10.02, 1.01) (N/A, -0.01, 0.4) | 818.4 463.7 | 0.2271 108.6 119.9 | 5.3660 [5.0000] | 107.3% |  |  | |
| PFTTeDA | (713.0 / 669.0) 532836 (713.0 / 169.0) 94215 | (10.12, 1.00) (0.00, N/A, 0.2) | 626.2 353.3 | 0.1768 77.9 106.8 | 4.4380 [5.0000] | 88.8% |  |  | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|---------|--|--|------------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| PFBS | (298.9 / 80.0) 849917 (298.9 / 99.0) 587454 | (6.08 , 1.00) (0.00 , N/A , 0.0) | 816.3 582.1 | 0.6912 101.6 105.0 | 4.3155 [4.4237] | 97.6% |  |  | |
| PFPeS | (349.0 / 80.0) 1525172 (349.0 / 99.0) 582523 | (7.12 , 0.89) (N/A , -0.08 , 0.2) | 765.3 965.3 | 0.3819 102.3 98.4 | 4.2643 [4.6919] | 90.9% |  |  | |
| PFHxS | (399.0 / 80.0) 1308152 (399.0 / 99.0) 459503 | (7.99 , 1.00) (0.00 , N/A , 0.1) | 3026.5 4113.9 | 0.3513 102.5 99.2 | 4.3144 [4.5549] | 94.7% |  |  | |
| PFHpS | (449.0 / 80.0) 1187239 (449.0 / 99.0) 340988 | (8.76 , 0.93) (N/A , -0.08 , 0.2) | 565.7 486.7 | 0.2872 97.9 109.0 | 4.8900 [4.7570] | 102.8% |  |  | |
| PFOS | (499.0 / 80.0) 1433078 (499.0 / 99.0) 333437 | (9.44 , 1.00) (0.00 , N/A , 0.1) | 102.9 195.8 | 0.2327 101.8 100.5 | 4.7610 [4.6375] | 102.7% |  |  | |
| PFNS | (549.0 / 80.0) 1877148 (549.0 / 99.0) 470959 | (9.76 , 1.03) (N/A , -0.03 , 0.0) | 949.4 1002.4 | 0.2509 100.5 101.1 | 5.4234 [4.7994] | 113.0% |  |  | |
| PFDS | (599.0 / 80.0) 2187186 (599.0 / 99.0) 549682 | (9.91 , 1.05) (N/A , -0.02 , 0.0) | 836.1 662.9 | 0.2513 98.6 112.2 | 5.1211 [4.8155] | 106.3% |  |  | |
| PFDoS | (698.9 / 80.0) 1226395 (698.9 / 99.0) 282128 | (10.11 , 1.07) (N/A , -0.02 , 0.0) | 989.2 668.1 | 0.2300 112.0 95.8 | 5.5012 [4.8478] | 113.5% |  |  | |
| 4:2FTS | (327.0 / 307.0) 1324516 (327.0 / 81.0) 729946 | (5.79 , 1.00) (0.00 , N/A , 0.0) | 1075.4 778.1 | 0.5511 110.2 98.4 | 18.5307 [18.6906] | 99.1% |  |  | |
| 6:2FTS | (427.0 / 407.0) 815162 (427.0 / 81.0) 600229 | (7.52 , 1.00) (0.00 , N/A , 0.2) | 1027.7 1008.7 | 0.7363 102.8 99.1 | 20.2894 [18.9808] | 106.9% |  |  | |
| 8:2FTS | (527.0 / 507.0) 696026 (527.0 / 81.0) 427712 | (8.94 , 1.00) (0.00 , N/A , 0.0) | 651.4 449.5 | 0.6145 87.3 100.2 | 20.5793 [19.1658] | 107.4% |  |  | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-I[μ min], Δ RT-CV[μ min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|--------------|--|---|-------------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| PFOSA | (498.0 / 78.0) 2111847 (498.0 / 478.0) 44492 | (10.17, 1.00) (0.00, N/A, 0.3) | 1383.3 73479.7 | 0.0211 89.1 114.1 | 4.9424 [5.0000] | 98.8% |  |  | |
| NMeFOSA | (511.9 / 219.0) 2001149 (511.9 / 169.0) 1364201 | (10.61, 1.00) (0.00, N/A, -0.1) | 990.3 732.3 | 0.6817 97.8 102.6 | 21.1983 [20.0000] | 106.0% |  |  | |
| NEIFOSA | (526.0 / 219.0) 2091488 (526.0 / 169.0) 2352397 | (10.70, 1.00) (0.00, N/A, 0.0) | 1400.6 1185.4 | 1.1247 99.9 106.5 | 20.1831 [20.0000] | 100.9% |  |  | |
| NMeFOSAA | (570.0 / 419.0) 298427 (570.0 / 483.0) 145467 | (9.49, 1.00) (0.01, N/A, 0.3) | 428.9 314.2 | 0.4874 103.8 95.2 | 6.3325 [5.0000] | 126.6% |  |  | |
| NEIFOSAA | (584.0 / 419.0) 279078 (584.0 / 526.0) 161926 | (9.67, 1.00) (0.00, N/A, 0.1) | 721.2 21632.3 | 0.5802 75.3 92.1 | 5.0829 [5.0000] | 101.7% |  |  | |
| NMeFOSE | (616.1 / 59.0) 584909 | (10.58, 1.00) (0.01, N/A, 0.0) | 1107.4 | N/A 0.0 0.0 | 20.3155 [20.0000] | 101.6% |  | | |
| NEtFOSE | (630.0 / 59.0) 155039 | (10.67, 1.00) (0.01, N/A, 0.0) | 1206.4 | N/A 0.0 0.0 | 20.7015 [20.0000] | 103.5% |  | | |
| HFPO-DA | (285.0 / 169.0) 568577 (285.0 / 185.0) 1584536 | (6.47, 1.00) (0.00, N/A, 0.1) | 872.8 1088.2 | 2.7868 109.3 98.9 | 10.5572 [10.0000] | 105.6% |  |  | |
| ADONA | (377.0 / 85.0) 2108445 (377.0 / 251.0) 259257 | (7.37, 1.14) (N/A, -0.08, -0.2) | 884.2 546.5 | 0.1230 98.1 102.4 | 9.4438 [9.4270] | 100.2% |  |  | |
| 9CI-Pf3ONS | (531.0 / 351.0) 6176628 (533.0 / 353.0) 1991370 | (9.71, 1.50) (N/A, -0.04, 0.0) | 651.9 830.3 | 0.3224 101.8 102.8 | 9.7556 [9.3325] | 104.5% |  |  | |
| 11CI-PF3OUDS | (631.0 / 451.0) 4212060 (633.0 / 453.0) 1264211 | (10.00, 1.55) (N/A, -0.02, 0.0) | 952.6 1050.5 | 0.3001 102.6 95.1 | 10.0960 [9.4321] | 107.0% |  |  | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-I[μ min], Δ RT-CV[μ min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|----------------|--|---|----------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| 3:3FTCA | (241.0 / 177.0) 69730 (241.0 / 117.0) 118214 | (4.47, 0.90) (N/A, -0.04, 0.0) | 914.1 835.3 | 1.6953 0.1 98.3 | 18.9446 [20.0000] | 94.7% |  |  | IR1, |
| 5:3FTCA | (341.0 / 236.7) 511870 (341.0 / 217.0) 836882 | (6.75, 1.10) (N/A, -0.08, 0.0) | 586.3 725.4 | 1.6350 103.5 95.0 | 19.3835 [20.0000] | 96.9% |  |  | |
| 7:3FTCA | (441.0 / 317.0) 591110 (441.0 / 337.0) 487731 | (8.57, 1.40) (N/A, -0.08, 0.1) | 443.6 511.3 | 0.8251 101.5 98.0 | 19.8346 [20.0000] | 99.2% |  |  | |
| PFEESA | (315.0 / 135.0) 1123113 (315.0 / 83.0) 336803 | (6.58, 1.07) (N/A, -0.08, -0.2) | 884.9 714.2 | 0.2999 106.1 101.0 | 8.4330 [8.9246] | 94.5% |  |  | |
| PFMPA | (229.0 / 85.0) 221829 | (4.20, 0.84) (N/A, -0.03, 0.0) | 1314.0 | N/A 0.0 0.0 | 9.5769 [10.0000] | 95.8% |  | | |
| PFMBA | (279.0 / 85.0) 714052 | (5.36, 1.08) (N/A, -0.06, 0.0) | 972.0 | N/A 0.0 0.0 | 9.4433 [10.0000] | 94.4% |  | | |
| NFDHA | (201.0 / 85.0) 25643 (295.0 / 201.0) 179657 | (6.00, 0.98) (N/A, -0.07, -0.1) | 358.3 696.3 | 7.0062 0.9 101.3 | 9.9217 [10.0000] | 99.2% |  |  | IR1, |
| 13C3_PFBA_IIS | (216.0 / 172.0) 80759 | (3.70, N/A) (N/A, -0.01, N/A) | 546.4 | N/A | 0.9237 [1.0000] | 92.4% { 92.3% } |  | | |
| 13C2_PFHxA_IIS | (315.1 / 270.0) 122865 | (6.12, N/A) (N/A, -0.07, N/A) | 588.7 | N/A | 0.9338 [1.0000] | 93.4% { 97.5% } |  | | |
| 13C4_PFOA_IIS | (417.0 / 372.0) 114692 | (7.86, N/A) (N/A, -0.08, N/A) | 535.7 | N/A | 0.9163 [1.0000] | 91.6% { 85.2% } |  | | |
| 13C5_PFNA_IIS | (468.0 / 423.0) 85047 | (8.61, N/A) (N/A, -0.08, N/A) | 321.8 | N/A | 0.8520 [1.0000] | 85.2% { 84.2% } |  | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-I[μ min], Δ RT- CV[μ min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|----------------|------------------------------|---|--------|-------------------------------------|---------------------------------|---------------------------|---|----------------------------|------|
| 13C2_PFDA_IIS | (515.1 / 470.1) 99873 | (9.28, N/A) (N/A, -0.09, N/A) | 352.4 | N/A | 0.9631 [1.0000] | 96.3% { 89.5% } |  | | |
| 18O2_PFHxS_IIS | (403.0 / 83.9) 232464 | (7.99, N/A) (N/A, -0.08, N/A) | 609.2 | N/A | 0.9826 [1.0000] | 98.3% { 94.7% } |  | | |
| 13C4_PFOS_IIS | (502.8 / 79.9) 164170 | (9.44, N/A) (N/A, -0.07, N/A) | 278.5 | N/A | 0.8183 [1.0000] | 81.8% { 78.3% } |  | | |
| 13C4_PFBA_EIS | (217.0 / 172.0) 656689 | (3.70, N/A) (N/A, -0.01, N/A) | 777.4 | N/A | 7.8540 [8.0000] | 98.2% { 88.1% } |  | | |
| 13C5_PFPeA_EIS | (267.9 / 223.0) 379157 | (4.98, N/A) (N/A, -0.05, N/A) | 1007.1 | N/A | 4.1917 [4.0000] | 104.8% { 96.7% } |  | | |
| 13C5_PFHxA_EIS | (318.0 / 273.0) 285886 | (6.12, N/A) (N/A, -0.07, N/A) | 621.3 | N/A | 1.9766 [2.0000] | 98.8% { 98.2% } |  | | |
| 13C4_PFHpA_EIS | (367.0 / 322.0) 244585 | (7.05, N/A) (N/A, -0.08, N/A) | 708.8 | N/A | 1.9140 [2.0000] | 95.7% { 88.3% } |  | | |
| 13C8_PFOA_EIS | (421.0 / 376.0) 240782 | (7.87, N/A) (N/A, -0.08, N/A) | 717.3 | N/A | 1.8999 [2.0000] | 95.0% { 89.8% } |  | | |
| 13C9_PFNA_EIS | (472.0 / 427.0) 105120 | (8.60, N/A) (N/A, -0.08, N/A) | 291.3 | N/A | 1.1316 [1.0000] | 113.2% { 98.8% } |  | | |
| 13C6_PFDA_EIS | (519.0 / 474.0) 128858 | (9.28, N/A) (N/A, -0.08, N/A) | 470.3 | N/A | 0.9522 [1.0000] | 95.2% { 96.6% } |  | | |
| 13C7_PFUnA_EIS | (570.0 / 525.0) 173769 | (9.71, N/A) (N/A, -0.03, N/A) | 350.4 | N/A | 0.8918 [1.0000] | 89.2% { 88.0% } |  | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-I[μ min], Δ RT- CV[μ min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|-----------------|------------------------------|---|--------|-------------------------------------|---------------------------------|---------------------------|---|----------------------------|------|
| 13C2_PFDa_EIS | (615.0 / 570.0) 204137 | (9.89, N/A) (N/A, -0.02, N/A) | 734.5 | N/A | 0.9289 [1.0000] | 92.9% { 79.3% } |  | | |
| 13C2_PFTeDA_EIS | (715.0 / 670.0) 125451 | (10.12, N/A) (N/A, -0.02, N/A) | 472.5 | N/A | 0.9393 [1.0000] | 93.9% { 86.3% } |  | | |
| 13C3_PFBs_EIS | (302.0 / 80.0) 721085 | (6.08, N/A) (N/A, -0.07, N/A) | 928.6 | N/A | 1.8993 [2.0000] | 95.0% { 101.0% } |  | | |
| 13C3_PFHxS_EIS | (402.0 / 80.0) 381304 | (7.99, N/A) (N/A, -0.08, N/A) | 901.6 | N/A | 1.9366 [2.0000] | 96.8% { 93.7% } |  | | |
| 13C8_PFOS_EIS | (507.0 / 80.0) 547723 | (9.44, N/A) (N/A, -0.07, N/A) | 296.2 | N/A | 2.0310 [2.0000] | 101.6% { 96.0% } |  | | |
| 13C2_4:2FTS_EIS | (329.0 / 81.0) 89650 | (5.79, N/A) (N/A, -0.07, N/A) | 650.0 | N/A | 4.1877 [4.0000] | 104.7% { 106.5% } |  | | |
| 13C2_6:2FTS_EIS | (429.0 / 81.0) 104083 | (7.52, N/A) (N/A, -0.07, N/A) | 601.7 | N/A | 3.7938 [4.0000] | 94.8% { 94.8% } |  | | |
| 13C2_8:2FTS_EIS | (529.0 / 81.0) 92299 | (8.94, N/A) (N/A, -0.09, N/A) | 338.5 | N/A | 3.7526 [4.0000] | 93.8% { 110.7% } |  | | |
| 13C8_PFOsa_EIS | (506.0 / 78.0) 858590 | (10.17, N/A) (N/A, -0.02, N/A) | 1007.4 | N/A | 2.1876 [2.0000] | 109.4% { 92.9% } |  | | |
| D3_NMeFOSA_EIS | (515.0 / 169.0) 236641 | (10.60, N/A) (N/A, -0.02, N/A) | 1159.3 | N/A | 2.4202 [2.0000] | 121.0% { 96.2% } |  | | |
| D5_NEiFOSA_EIS | (531.1 / 169.0) 227273 | (10.69, N/A) (N/A, -0.01, N/A) | 1045.4 | N/A | 2.4893 [2.0000] | 124.5% { 92.3% } |  | | |



Chemist: DAG
 Instrument: Saphira
 Type: Sciex Q3 5500

Sample I.D.: SB03858-CCV3
 DF, IV: 1, 10.0µL
 Acquisition Method: 1633 2022-12-13.dam

Quant Method: 1633 - 2022-12-15A
 Path: S2022-12-15B (37)
 Acquired: 2022/12/15 - 22:56

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (ΔRT-I[min], ΔRT-CV[min], ΔRT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|-----------------|------------------------------|--|--------|-------------------------------------|---------------------------------|---------------------------|-----------------------|----------------------------|------|
| D3_MeFOSAA_EIS | (573.0 / 419.0) 260103 | (9.48 , N/A) (N/A , -0.06 , N/A) | 326.6 | N/A | 4.1117 [4.0000] | 102.8% { 87.0% } | | | |
| D5_EtFOSAA_EIS | (589.0 / 419.0) 243634 | (9.67 , N/A) (N/A , -0.04 , N/A) | 243.4 | N/A | 4.6341 [4.0000] | 115.9% { 89.8% } | | | |
| D7_NMeFOSE_EIS | (623.2 / 58.9) 452216 | (10.57 , N/A) (N/A , -0.02 , N/A) | 1305.8 | N/A | 24.0440 [20.0000] | 120.2% { 90.1% } | | | |
| D9_NEtFOSE_EIS | (639.2 / 58.9) 234644 | (10.67 , N/A) (N/A , -0.01 , N/A) | 912.0 | N/A | 23.1679 [20.0000] | 115.8% { 84.3% } | | | |
| 13C3_HFPODA_EIS | (287.0 / 169.0) 705126 | (6.47 , N/A) (N/A , -0.07 , N/A) | 767.7 | N/A | 8.0071 [8.0000] | 100.1% { 88.9% } | | | |

INITIAL AND CONTINUING CALIBRATION CHECK

Table B-15b

| | | | |
|-----------------|------------------|---------------|--------------|
| Laboratory:b | APPL, LLC | Work Order:b | 22L0004b |
| Client:b | Tidewater, Inc.b | Project:b | NASA JPL Slb |
| Instrument ID:b | Saphirab | Calibration:b | 2251019b |
| Standard ID:b | 22L03040 | Sequence:b | SB03860b |

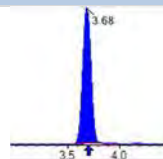
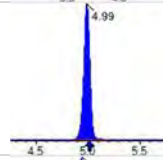
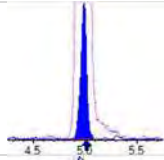
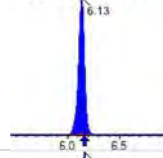
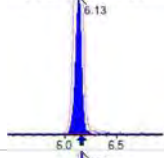
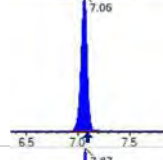
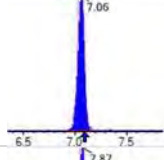
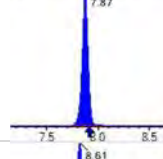
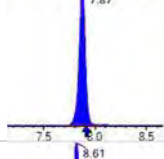
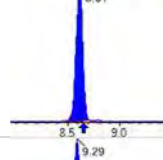
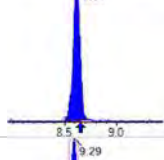
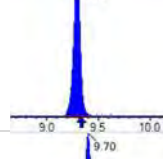
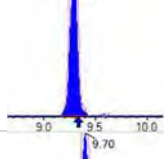
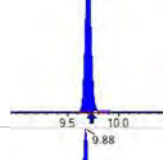
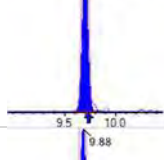
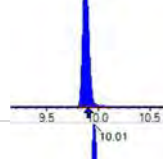
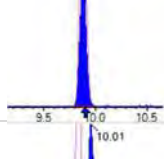
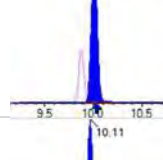
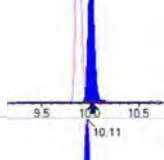
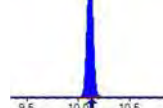
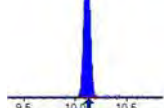
| Lab Sample ID | Analyte | True | Found | %R | Units | Control Limit |
|---------------|---------------|-------|--------------|-------------|--------------|---------------|
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| | PFPEAb | 10.0b | 9.75b | 97.5b | ng/mLb | +/- 30.00%b |
| | PFHXAb | 5.00b | 5.08b | 102b | ng/mLb | +/- 30.00%b |
| | PFHPAb | 5.00b | 5.53b | 111b | ng/mLb | +/- 30.00%b |
| | PFOAb | 5.00b | 5.20b | 104b | ng/mLb | +/- 30.00%b |
| | PFNAb | 5.00b | 5.24b | 105b | ng/mLb | +/- 30.00%b |
| | PFDAb | 5.00b | 5.19b | 104b | ng/mLb | +/- 30.00%b |
| | PFUnAb | 5.00b | 6.55b | 131b | ng/mL | +/- 30.00%b |
| | PFDOAb | 5.00b | 4.75b | 94.9b | ng/mLb | +/- 30.00%b |
| | PFTRDAb | 5.00b | 4.62b | 92.3b | ng/mLb | +/- 30.00%b |
| | PFTEDAb | 5.00b | 5.33b | 107b | ng/mLb | +/- 30.00%b |
| | PFBSb | 4.42b | 4.41b | 99.8b | ng/mLb | +/- 30.00%b |
| | PFPEsb | 4.70b | 4.99b | 106b | ng/mLb | +/- 30.00%b |
| | PFHXsb | 4.58b | 4.97b | 108b | ng/mLb | +/- 30.00%b |
| | PFHPSb | 4.78b | 4.61b | 96.4b | ng/mLb | +/- 30.00%b |
| | PFOSb | 4.65b | 4.17b | 89.6b | ng/mLb | +/- 30.00%b |
| | PFNSb | 4.80b | 4.24b | 88.4b | ng/mLb | +/- 30.00%b |
| | PFDSb | 4.82b | 5.05b | 105b | ng/mLb | +/- 30.00%b |
| | 4:2FTSb | 18.8b | 19.0b | 101b | ng/mLb | +/- 30.00%b |
| | 6:2FTSb | 19.0b | 18.2b | 95.7b | ng/mLb | +/- 30.00%b |
| | 8:2FTSb | 19.2b | 18.4b | 95.6b | ng/mLb | +/- 30.00%b |
| | PFOSAb | 5.00b | 5.13b | 103b | ng/mLb | +/- 30.00%b |
| | NMeFOSAb | 20.0b | 20.7b | 104b | ng/mLb | +/- 30.00%b |
| | NEtFOSAb | 20.0b | 21.2b | 106b | ng/mLb | +/- 30.00%b |
| | NMeFOSAAb | 5.00b | 5.07b | 101b | ng/mLb | +/- 30.00%b |
| | NEtFOSAAb | 5.00b | 4.80b | 96.0b | ng/mLb | +/- 30.00%b |
| | NMeFOSEb | 20.0b | 19.6b | 97.8b | ng/mLb | +/- 30.00%b |
| | NEtFOSEb | 20.0b | 18.9b | 94.4b | ng/mLb | +/- 30.00%b |
| | HFPO-DAb | 10.0b | 10.6b | 106b | ng/mLb | +/- 30.00%b |
| | ADONAb | 9.45b | 9.80b | 104b | ng/mLb | +/- 30.00%b |

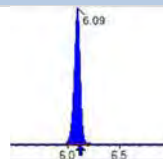
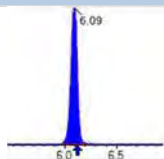
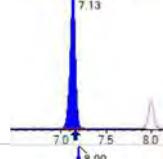
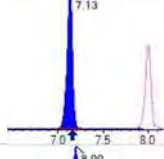
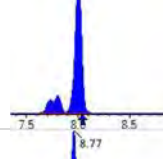
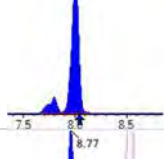
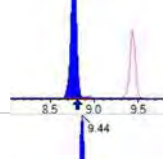
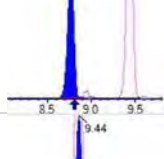
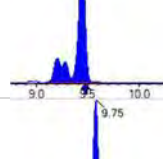
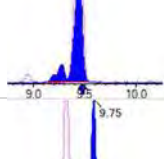
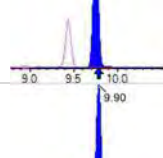
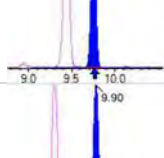
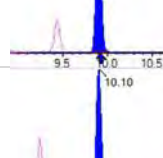
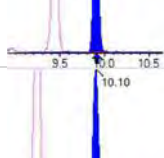
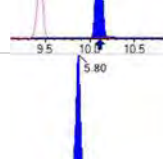
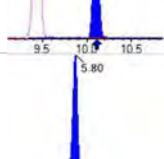
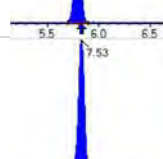
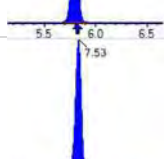
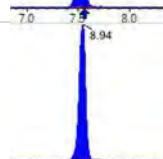
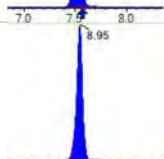
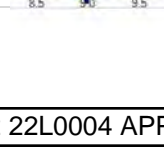
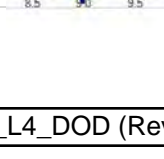
INITIAL AND CONTINUING CALIBRATION CHECK

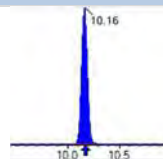
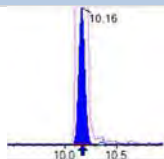
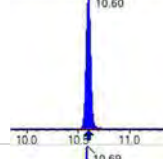
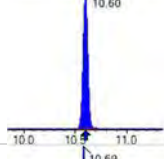
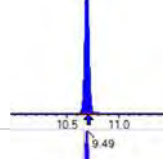
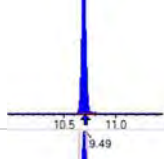
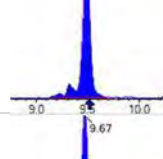
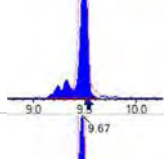
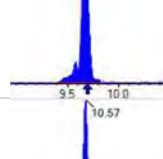
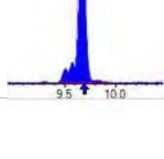
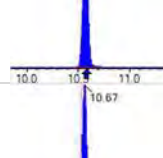
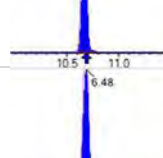
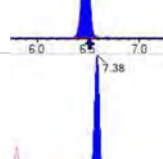
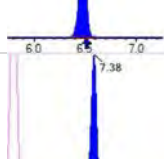
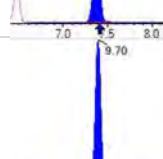
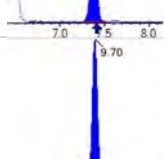
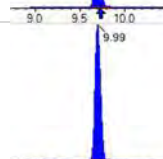
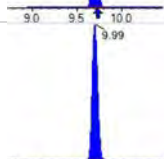

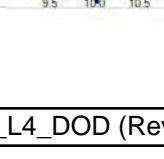
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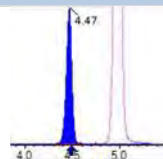
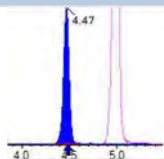
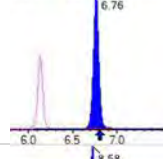
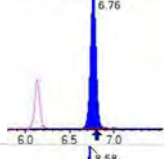
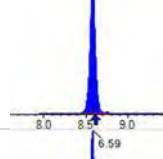
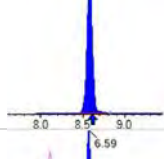
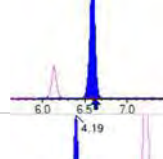
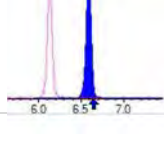
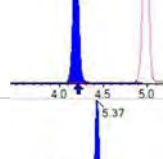
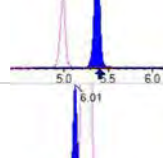
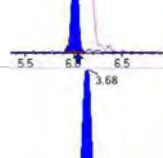
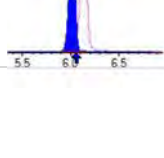
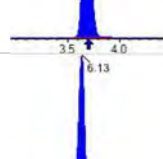
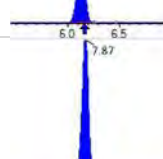
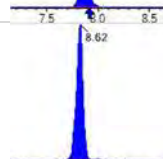
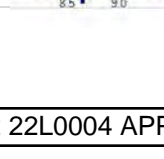
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| Client: | Tidewater, Inc. | Project: | NASA JPL S1b |
| Instrument ID: | Saphirab | Calibration: | 2251019b |
| Standard ID: | 22L03040 | Sequence: | SB03860b |

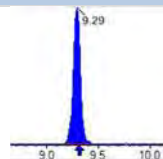
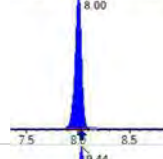
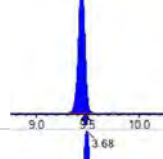
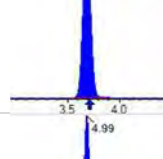
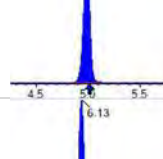
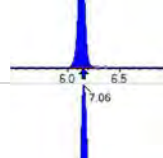
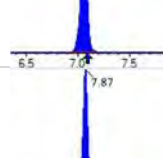
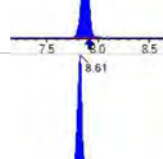
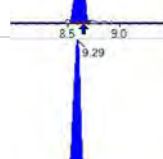
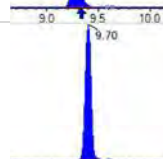
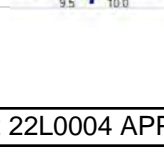
| Lab Sample ID | Analyte | True | Found | %R | Units | Control Limit |
|---------------|--------------|------|-------|------|-------|---------------|
| SB03860-CCV1b | 9CL-PF3ONS | 9.35 | 9.10 | 97.3 | ng/mL | +/- 30.00% |
| | 11CL-PF3OUDS | 9.45 | 9.46 | 100 | ng/mL | +/- 30.00% |

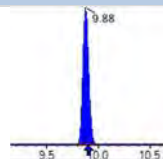
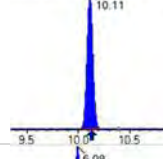
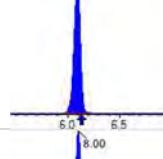
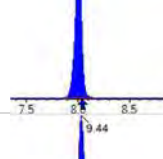
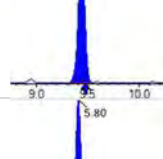
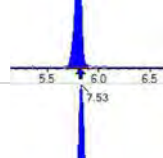
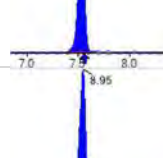
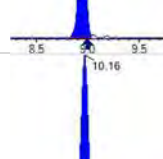
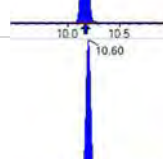
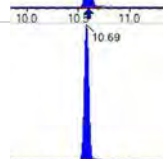
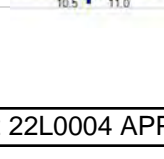
| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|---------|--|--|----------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| PFBA | (212.9 / 169.0) 1089456 | (3.68, 1.00) (0.00, N/A, 0.0) | 73.9 | N/A 0.0 0.0 | 19.5390 [20.0000] | 97.7% |  | | |
| PFPeA | (262.9 / 219.0) 839505 (262.9 / 69.0) 10216 | (4.99, 1.00) (0.00, N/A, 0.0) | 759.4 275.0 | 0.0122 14257.6 100.0 | 9.7451 [10.0000] | 97.5% |  |  | |
| PFHxA | (313.0 / 269.0) 656928 (313.0 / 119.0) 63738 | (6.13, 1.00) (0.00, N/A, 0.0) | 703.3 453.6 | 0.0970 98.9 100.0 | 5.0819 [5.0000] | 101.6% |  |  | |
| PFHpA | (363.0 / 319.0) 652670 (363.0 / 169.0) 181406 | (7.06, 1.00) (0.00, N/A, -0.1) | 638.7 758.4 | 0.2779 88.9 100.0 | 5.5277 [5.0000] | 110.6% |  |  | |
| PFOA | (413.0 / 369.0) 620864 (413.0 / 169.0) 197975 | (7.87, 1.00) (0.00, N/A, -0.1) | 790.5 726.1 | 0.3189 94.7 100.0 | 5.1978 [5.0000] | 104.0% |  |  | |
| PFNA | (463.0 / 419.0) 417171 (463.0 / 169.0) 85302 | (8.61, 1.00) (0.00, N/A, -0.1) | 497.4 93.7 | 0.2045 101.9 100.0 | 5.2381 [5.0000] | 104.8% |  |  | |
| PFDA | (513.0 / 469.0) 624460 (513.0 / 169.0) 56760 | (9.29, 1.00) (0.00, N/A, 0.2) | 401.9 492.0 | 0.0909 114.2 100.0 | 5.1853 [5.0000] | 103.7% |  |  | |
| PFUnA | (563.0 / 519.0) 730408 (563.0 / 169.0) 62637 | (9.70, 1.00) (0.00, N/A, 0.0) | 28.3 369.2 | 0.0858 76.6 100.0 | 6.5502 [5.0000] | 131.0% |  |  | QC, |
| PFDoA | (613.0 / 569.0) 919796 (613.0 / 169.0) 112553 | (9.88, 1.00) (0.00, N/A, -0.2) | 789.6 313.5 | 0.1224 97.4 100.0 | 4.7469 [5.0000] | 94.9% |  |  | |
| PFTrDA | (663.0 / 619.0) 738175 (663.0 / 169.0) 168290 | (10.01, 1.01) (N/A, 0.00, 0.2) | 746.4 365.7 | 0.2280 109.1 100.0 | 4.6162 [5.0000] | 92.3% |  |  | |
| PFTeDA | (713.0 / 669.0) 676614 (713.0 / 169.0) 120506 | (10.11, 1.00) (0.00, N/A, 0.0) | 824.0 355.0 | 0.1781 78.5 100.0 | 5.3328 [5.0000] | 106.7% |  |  | |

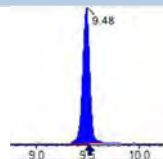
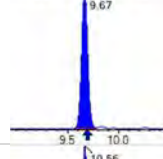
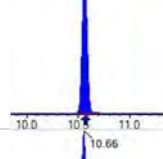
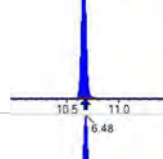
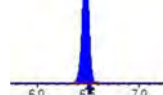
| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|---------|--|--|-------------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| PFBS | (298.9 / 80.0) 897154 (298.9 / 99.0) 595970 | (6.09, 1.00) (0.00, N/A, 0.1) | 944.4 740.9 | 0.6643 97.7 100.0 | 4.4119 [4.4237] | 99.7% |  |  | |
| PFPeS | (349.0 / 80.0) 1686340 (349.0 / 99.0) 576845 | (7.13, 0.89) (N/A, 0.00, -0.1) | 761.4 735.3 | 0.3421 91.6 100.0 | 4.9902 [4.6919] | 106.4% |  |  | |
| PFHxS | (399.0 / 80.0) 1423114 (399.0 / 99.0) 471090 | (8.00, 1.00) (0.00, N/A, 0.0) | 3267.1 14933.7 | 0.3310 96.6 100.0 | 4.9676 [4.5549] | 109.1% |  |  | |
| PFHpS | (449.0 / 80.0) 1266173 (449.0 / 99.0) 344767 | (8.77, 0.93) (N/A, 0.00, 0.0) | 673.5 432.5 | 0.2723 92.8 100.0 | 4.6075 [4.7570] | 96.9% |  |  | |
| PFOS | (499.0 / 80.0) 1420068 (499.0 / 99.0) 308077 | (9.44, 1.00) (0.01, N/A, 0.1) | 107.3 132.9 | 0.2169 94.9 100.0 | 4.1681 [4.6375] | 89.9% |  |  | |
| PFNS | (549.0 / 80.0) 1662482 (549.0 / 99.0) 438276 | (9.75, 1.03) (N/A, 0.00, 0.0) | 615.4 792.1 | 0.2636 105.6 100.0 | 4.2436 [4.7994] | 88.4% |  |  | |
| PFDS | (599.0 / 80.0) 2439606 (599.0 / 99.0) 532548 | (9.90, 1.05) (N/A, 0.00, 0.1) | 981.3 485.8 | 0.2183 85.6 100.0 | 5.0466 [4.8155] | 104.8% |  |  | |
| PFDoS | (698.9 / 80.0) 1245446 (698.9 / 99.0) 293989 | (10.10, 1.07) (N/A, 0.00, 0.0) | 1084.1 970.9 | 0.2361 114.9 100.0 | 4.9357 [4.8478] | 101.8% |  |  | |
| 4:2FTS | (327.0 / 307.0) 1377911 (327.0 / 81.0) 812326 | (5.80, 1.00) (0.00, N/A, 0.0) | 735.2 1202.9 | 0.5895 117.9 100.0 | 18.9519 [18.6906] | 101.4% |  |  | |
| 6:2FTS | (427.0 / 407.0) 778529 (427.0 / 81.0) 541876 | (7.53, 1.00) (0.00, N/A, 0.0) | 755.4 705.5 | 0.6960 97.2 100.0 | 18.1838 [18.9808] | 95.8% |  |  | |
| 8:2FTS | (527.0 / 507.0) 717742 (527.0 / 81.0) 456135 | (8.94, 1.00) (0.00, N/A, -0.1) | 626.0 411.3 | 0.6355 90.3 100.0 | 18.3582 [19.1658] | 95.8% |  |  | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|--------------|--|--|-------------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| PFOSA | (498.0 / 78.0) 2335642 (498.0 / 478.0) 54316 | (10.16 , 1.00) (0.00 , N/A , -0.2) | 987.8 293.2 | 0.0233 98.4 100.0 | 5.1313 [5.0000] | 102.6% |  |  | |
| NMeFOSA | (511.9 / 219.0) 1994898 (511.9 / 169.0) 1348526 | (10.60 , 1.00) (0.00 , N/A , 0.0) | 745.2 1160.9 | 0.6760 96.9 100.0 | 20.7252 [20.0000] | 103.6% |  |  | |
| NEIFOSA | (526.0 / 219.0) 2268281 (526.0 / 169.0) 2376170 | (10.69 , 1.00) (0.00 , N/A , 0.0) | 1432.9 1240.3 | 1.0476 93.0 100.0 | 21.1774 [20.0000] | 105.9% |  |  | |
| NMeFOSAA | (570.0 / 419.0) 252236 (570.0 / 483.0) 156161 | (9.49 , 1.00) (0.00 , N/A , -0.3) | 345.8 354.4 | 0.6191 131.8 100.0 | 5.0694 [5.0000] | 101.4% |  |  | |
| NEIFOSAA | (584.0 / 419.0) 262193 (584.0 / 526.0) 172741 | (9.67 , 1.00) (0.00 , N/A , 0.0) | 28872.2 3891.2 | 0.6588 85.5 100.0 | 4.8012 [5.0000] | 96.0% |  |  | |
| NMeFOSE | (616.1 / 59.0) 573464 | (10.57 , 1.00) (0.01 , N/A , 0.0) | 720.9 | N/A 0.0 0.0 | 19.5680 [20.0000] | 97.8% |  | | |
| NEtFOSE | (630.0 / 59.0) 163429 | (10.67 , 1.00) (0.01 , N/A , 0.0) | 1210.7 | N/A 0.0 0.0 | 18.8832 [20.0000] | 94.4% |  | | |
| HFPO-DA | (285.0 / 169.0) 578915 (285.0 / 185.0) 1597802 | (6.48 , 1.00) (0.00 , N/A , 0.0) | 938.9 819.8 | 2.7600 108.2 100.0 | 10.6183 [10.0000] | 106.2% |  |  | |
| ADONA | (377.0 / 85.0) 2214763 (377.0 / 251.0) 288311 | (7.38 , 1.14) (N/A , 0.00 , 0.1) | 859.0 666.0 | 0.1302 103.8 100.0 | 9.7991 [9.4270] | 103.9% |  |  | |
| 9CI-Pf3ONS | (531.0 / 351.0) 5831004 (533.0 / 353.0) 1827972 | (9.70 , 1.50) (N/A , 0.00 , 0.2) | 677.3 799.9 | 0.3135 99.0 100.0 | 9.0975 [9.3325] | 97.5% |  |  | |
| 11CI-PF3OUDS | (631.0 / 451.0) 3994406 (633.0 / 453.0) 1222223 | (9.99 , 1.54) (N/A , 0.00 , -0.2) | 656.6 1137.9 | 0.3060 104.6 100.0 | 9.4577 [9.4321] | 100.3% |  |  | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|----------------|--|--|------------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| 3:3FTCA | (241.0 / 177.0) 71717 (241.0 / 117.0) 119302 | (4.47, 0.90) (N/A, 0.00, 0.1) | 867.8 737.4 | 1.6635 0.1 100.0 | 19.4103 [20.0000] | 97.1% |  |  | IR1, |
| 5:3FTCA | (341.0 / 236.7) 553458 (341.0 / 217.0) 882791 | (6.76, 1.10) (N/A, 0.00, -0.1) | 541.1 719.8 | 1.5950 101.0 100.0 | 21.0263 [20.0000] | 105.1% |  |  | |
| 7:3FTCA | (441.0 / 317.0) 592903 (441.0 / 337.0) 528338 | (8.58, 1.40) (N/A, 0.00, 0.0) | 453.7 446.7 | 0.8911 109.6 100.0 | 19.9592 [20.0000] | 99.8% |  |  | |
| PFEESA | (315.0 / 135.0) 1233563 (315.0 / 83.0) 339502 | (6.59, 1.07) (N/A, 0.00, 0.0) | 1198.7 1010.3 | 0.2752 97.4 100.0 | 9.2924 [8.9246] | 104.1% |  |  | |
| PFMPA | (229.0 / 85.0) 221470 | (4.19, 0.84) (N/A, 0.00, 0.0) | 1193.5 | N/A 0.0 0.0 | 9.5249 [10.0000] | 95.2% |  | | |
| PFMBA | (279.0 / 85.0) 720695 | (5.37, 1.08) (N/A, 0.00, 0.0) | 888.4 | N/A 0.0 0.0 | 9.4949 [10.0000] | 94.9% |  | | |
| NFDHA | (201.0 / 85.0) 26162 (295.0 / 201.0) 208654 | (6.01, 0.98) (N/A, 0.00, -0.1) | 314.6 892.3 | 7.9756 1.0 100.0 | 10.1580 [10.0000] | 101.6% |  |  | IR1, |
| 13C3_PFBa_IIS | (216.0 / 172.0) 83207 | (3.68, N/A) (N/A, 0.00, N/A) | 637.9 | N/A | 0.9517 [1.0000] | 95.2% { 100.0% } |  | | |
| 13C2_PFHxA_IIS | (315.1 / 270.0) 132051 | (6.13, N/A) (N/A, 0.00, N/A) | 559.3 | N/A | 1.0036 [1.0000] | 100.4% { 100.0% } |  | | |
| 13C4_PFOA_IIS | (417.0 / 372.0) 122458 | (7.87, N/A) (N/A, 0.00, N/A) | 548.3 | N/A | 0.9783 [1.0000] | 97.8% { 100.0% } |  | | |
| 13C5_PFNAl_IIS | (468.0 / 423.0) 96226 | (8.62, N/A) (N/A, 0.00, N/A) | 353.3 | N/A | 0.9640 [1.0000] | 96.4% { 100.0% } |  | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|----------------|------------------------------|--|-------|-------------------------------------|---------------------------------|---------------------------|---|----------------------------|------|
| 13C2_PFDA_IIS | (515.1 / 470.1) 99805 | (9.29, N/A) (N/A, 0.00, N/A) | 643.8 | N/A | 0.9624 [1.0000] | 96.2% { 100.0% } |  | | |
| 18O2_PFHxS_IIS | (403.0 / 83.9) 222067 | (8.00, N/A) (N/A, 0.00, N/A) | 528.2 | N/A | 0.9386 [1.0000] | 93.9% { 100.0% } |  | | |
| 13C4_PFOS_IIS | (502.8 / 79.9) 197701 | (9.44, N/A) (N/A, 0.00, N/A) | 611.5 | N/A | 0.9855 [1.0000] | 98.5% { 100.0% } |  | | |
| 13C4_PFBA_EIS | (217.0 / 172.0) 671610 | (3.68, N/A) (N/A, 0.00, N/A) | 974.4 | N/A | 7.7962 [8.0000] | 97.5% { 100.0% } |  | | |
| 13C5_PFPeA_EIS | (267.9 / 223.0) 380608 | (4.99, N/A) (N/A, 0.00, N/A) | 918.1 | N/A | 3.9150 [4.0000] | 97.9% { 100.0% } |  | | |
| 13C5_PFHxA_EIS | (318.0 / 273.0) 284963 | (6.13, N/A) (N/A, 0.00, N/A) | 718.8 | N/A | 1.8331 [2.0000] | 91.7% { 100.0% } |  | | |
| 13C4_PFHpA_EIS | (367.0 / 322.0) 261516 | (7.06, N/A) (N/A, 0.00, N/A) | 717.7 | N/A | 1.9042 [2.0000] | 95.2% { 100.0% } |  | | |
| 13C8_PFOA_EIS | (421.0 / 376.0) 252054 | (7.87, N/A) (N/A, 0.00, N/A) | 711.7 | N/A | 1.8627 [2.0000] | 93.1% { 100.0% } |  | | |
| 13C9_PFNA_EIS | (472.0 / 427.0) 94251 | (8.61, N/A) (N/A, 0.00, N/A) | 309.6 | N/A | 0.8967 [1.0000] | 89.7% { 100.0% } |  | | |
| 13C6_PFDA_EIS | (519.0 / 474.0) 130625 | (9.29, N/A) (N/A, 0.00, N/A) | 243.5 | N/A | 0.9659 [1.0000] | 96.6% { 100.0% } |  | | |
| 13C7_PFUnA_EIS | (570.0 / 525.0) 149621 | (9.70, N/A) (N/A, 0.00, N/A) | 434.9 | N/A | 0.7684 [1.0000] | 76.8% { 100.0% } |  | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|-----------------|------------------------------|--|--------|-------------------------------------|---------------------------------|---------------------------|---|----------------------------|------|
| 13C2_PFDa_EIS | (615.0 / 570.0) 241903 | (9.88, N/A) (N/A, 0.00, N/A) | 712.3 | N/A | 1.1016 [1.0000] | 110.2% { 100.0% } |  | | |
| 13C2_PFTeDA_EIS | (715.0 / 670.0) 132571 | (10.11, N/A) (N/A, 0.00, N/A) | 943.8 | N/A | 0.9933 [1.0000] | 99.3% { 100.0% } |  | | |
| 13C3_PFBs_EIS | (302.0 / 80.0) 744533 | (6.09, N/A) (N/A, 0.00, N/A) | 776.1 | N/A | 2.0529 [2.0000] | 102.6% { 100.0% } |  | | |
| 13C3_PFHxS_EIS | (402.0 / 80.0) 360265 | (8.00, N/A) (N/A, 0.00, N/A) | 906.4 | N/A | 1.9154 [2.0000] | 95.8% { 100.0% } |  | | |
| 13C8_PFOS_EIS | (507.0 / 80.0) 619958 | (9.44, N/A) (N/A, 0.00, N/A) | 384.2 | N/A | 1.9090 [2.0000] | 95.4% { 100.0% } |  | | |
| 13C2_4:2FTS_EIS | (329.0 / 81.0) 91191 | (5.80, N/A) (N/A, 0.00, N/A) | 420.3 | N/A | 4.4591 [4.0000] | 111.5% { 100.0% } |  | | |
| 13C2_6:2FTS_EIS | (429.0 / 81.0) 110916 | (7.53, N/A) (N/A, 0.00, N/A) | 444.7 | N/A | 4.2322 [4.0000] | 105.8% { 100.0% } |  | | |
| 13C2_8:2FTS_EIS | (529.0 / 81.0) 106694 | (8.95, N/A) (N/A, 0.00, N/A) | 365.8 | N/A | 4.5410 [4.0000] | 113.5% { 100.0% } |  | | |
| 13C8_PFOsa_EIS | (506.0 / 78.0) 914632 | (10.16, N/A) (N/A, 0.00, N/A) | 1249.7 | N/A | 1.9352 [2.0000] | 96.8% { 100.0% } |  | | |
| D3_NMeFOSA_EIS | (515.0 / 169.0) 241286 | (10.60, N/A) (N/A, 0.00, N/A) | 899.7 | N/A | 2.0492 [2.0000] | 102.5% { 100.0% } |  | | |
| D5_NEiFOSA_EIS | (531.1 / 169.0) 234912 | (10.69, N/A) (N/A, 0.00, N/A) | 863.7 | N/A | 2.1365 [2.0000] | 106.8% { 100.0% } |  | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-I[μ min], Δ RT- CV[μ min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|-----------------|------------------------------|---|--------|-------------------------------------|---------------------------------|---------------------------|--|----------------------------|------|
| D3_MeFOSAA_EIS | (573.0 / 419.0) 274621 | (9.48, N/A) (N/A, 0.00, N/A) | 331.1 | N/A | 3.6049 [4.0000] | 90.1% { 100.0% } |  | | |
| D5_EtFOSAA_EIS | (589.0 / 419.0) 242324 | (9.67, N/A) (N/A, 0.00, N/A) | 382.6 | N/A | 3.8274 [4.0000] | 95.7% { 100.0% } |  | | |
| D7_NMeFOSE_EIS | (623.2 / 58.9) 460303 | (10.56, N/A) (N/A, 0.00, N/A) | 922.5 | N/A | 20.3230 [20.0000] | 101.6% { 100.0% } |  | | |
| D9_NEtFOSE_EIS | (639.2 / 58.9) 271158 | (10.66, N/A) (N/A, 0.00, N/A) | 1194.2 | N/A | 22.2322 [20.0000] | 111.2% { 100.0% } |  | | |
| 13C3_HFPODA_EIS | (287.0 / 169.0) 713821 | (6.48, N/A) (N/A, 0.00, N/A) | 694.8 | N/A | 7.5419 [8.0000] | 94.3% { 100.0% } |  | | |

INITIAL AND CONTINUING CALIBRATION CHECK

Table B-15b

| | | | |
|-----------------|------------------|---------------|--------------|
| Laboratory:b | APPL, LLC | Work Order:b | 22L0004b |
| Client:b | Tidewater, Inc.b | Project:b | NASA JPL Slb |
| Instrument ID:b | Saphirab | Calibration:b | 2251019b |
| Standard ID:b | 22L03040 | Sequence:b | SB03860b |

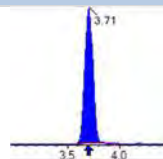
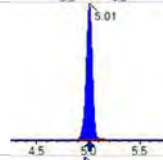
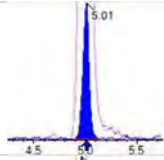
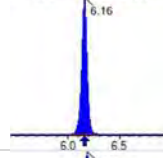
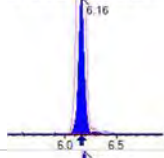
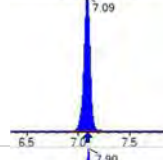
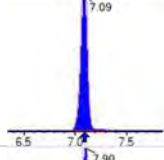
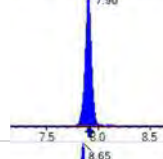
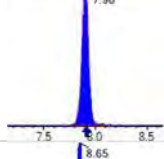
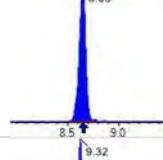
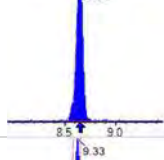
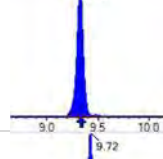
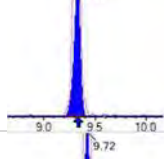
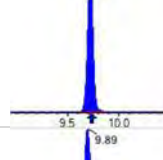
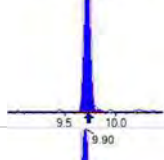
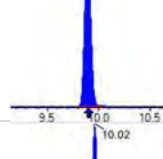
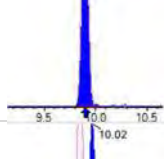
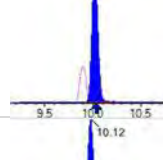
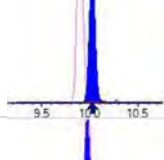
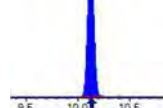
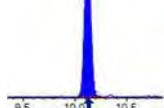
| Lab Sample ID | Analyte | True | Found | %R | Units | Control Limit |
|---------------|-----------|------|-------|------|-------|---------------|
| SB03860-CCV2 | PFBA | 20.0 | 21.6 | 108 | ng/mL | +/- 30.00% |
| | PFPEA | 10.0 | 9.91 | 99.1 | ng/mL | +/- 30.00% |
| | PFHXA | 5.00 | 4.46 | 89.2 | ng/mL | +/- 30.00% |
| | PFHPA | 5.00 | 4.68 | 93.5 | ng/mL | +/- 30.00% |
| | PFOA | 5.00 | 4.87 | 97.5 | ng/mL | +/- 30.00% |
| | PFNA | 5.00 | 5.52 | 110 | ng/mL | +/- 30.00% |
| | PFDA | 5.00 | 5.54 | 111 | ng/mL | +/- 30.00% |
| | PFUnA | 5.00 | 5.76 | 115 | ng/mL | +/- 30.00% |
| | PFDOA | 5.00 | 5.55 | 111 | ng/mL | +/- 30.00% |
| | PFTRDA | 5.00 | 5.13 | 103 | ng/mL | +/- 30.00% |
| | PFTEDA | 5.00 | 4.48 | 89.7 | ng/mL | +/- 30.00% |
| | PFBS | 4.42 | 4.22 | 95.4 | ng/mL | +/- 30.00% |
| | PFPEs | 4.70 | 4.42 | 94.1 | ng/mL | +/- 30.00% |
| | PFHXs | 4.58 | 4.58 | 100 | ng/mL | +/- 30.00% |
| | PFHPS | 4.78 | 4.47 | 93.5 | ng/mL | +/- 30.00% |
| | PFOS | 4.65 | 4.46 | 95.9 | ng/mL | +/- 30.00% |
| | PFNS | 4.80 | 5.08 | 106 | ng/mL | +/- 30.00% |
| | PFDS | 4.82 | 4.93 | 102 | ng/mL | +/- 30.00% |
| | 4:2FTS | 18.8 | 18.3 | 97.5 | ng/mL | +/- 30.00% |
| | 6:2FTS | 19.0 | 20.2 | 106 | ng/mL | +/- 30.00% |
| | 8:2FTS | 19.2 | 20.6 | 107 | ng/mL | +/- 30.00% |
| | PFOSA | 5.00 | 4.59 | 91.8 | ng/mL | +/- 30.00% |
| | NMeFOSA | 20.0 | 21.4 | 107 | ng/mL | +/- 30.00% |
| | NEtFOSA | 20.0 | 19.3 | 96.4 | ng/mL | +/- 30.00% |
| | NMeFOSAAb | 5.00 | 5.00 | 100 | ng/mL | +/- 30.00% |
| | NEtFOSAAb | 5.00 | 4.92 | 98.4 | ng/mL | +/- 30.00% |
| | NMeFOSE | 20.0 | 20.3 | 102 | ng/mL | +/- 30.00% |
| | NEtFOSE | 20.0 | 19.7 | 98.4 | ng/mL | +/- 30.00% |
| | HFPO-DA | 10.0 | 9.29 | 92.9 | ng/mL | +/- 30.00% |
| | ADONA | 9.45 | 8.85 | 93.6 | ng/mL | +/- 30.00% |

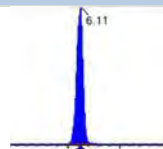
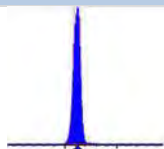
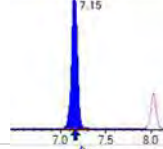
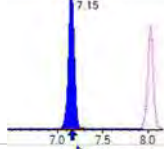
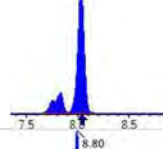
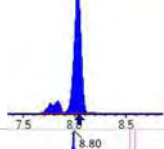
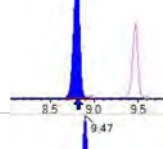
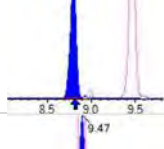
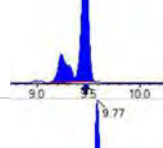
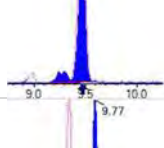
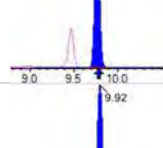
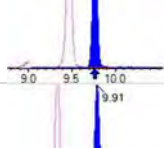
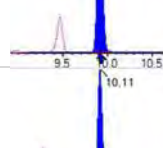
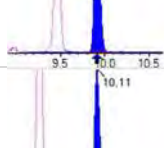
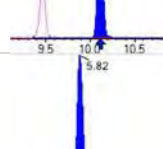
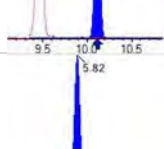
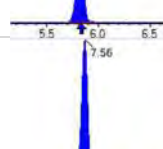
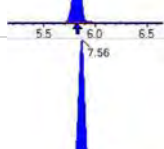
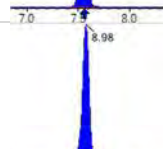
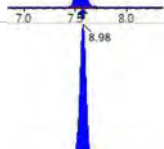

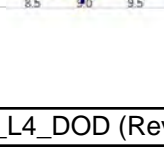
INITIAL AND CONTINUING CALIBRATION CHECK

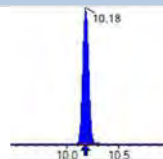
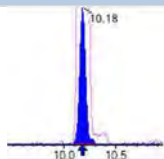
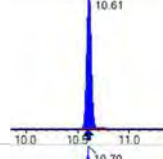
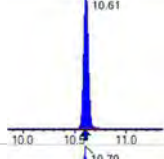
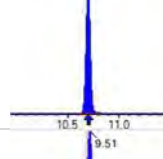
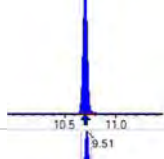
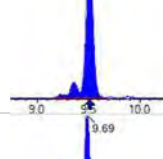
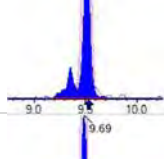
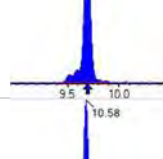
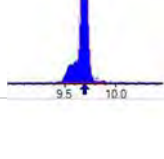
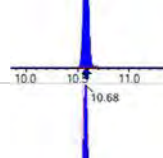
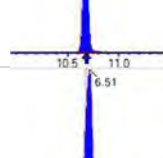
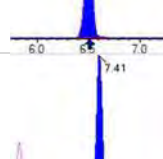
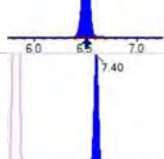
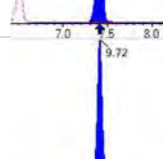
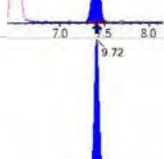
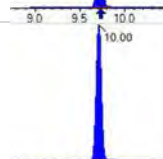
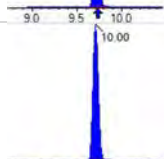
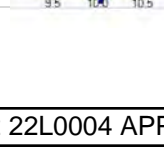
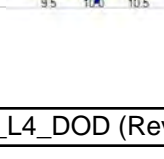
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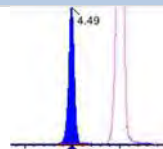
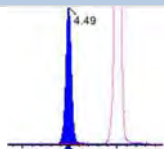
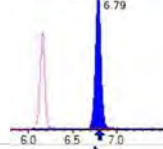
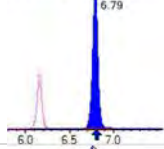
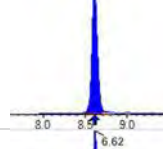
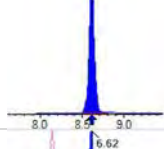
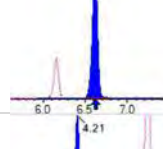
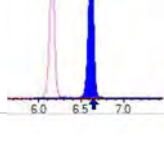
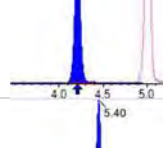
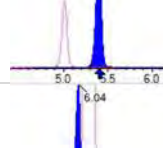
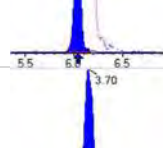
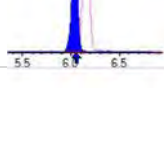
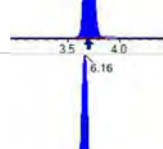
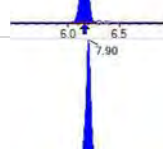
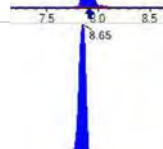

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| Laboratory: | APPL, LLC | Work Order: | 22L0004 |
| Client: | Tidewater, Inc. | Project: | NASA JPL S1b |
| Instrument ID: | Saphirab | Calibration: | 2251019b |
| Standard ID: | 22L03040 | Sequence: | SB03860b |

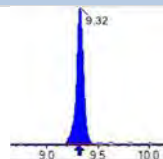
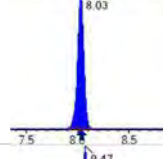
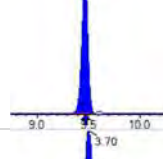
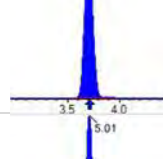
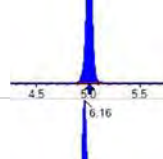
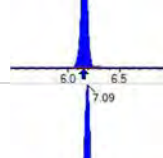
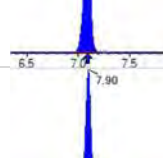
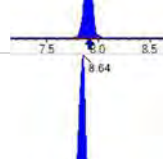
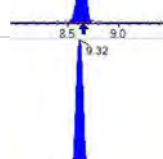
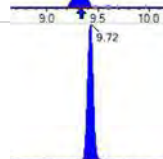

| Lab Sample ID | Analyte | True | Found | %R | Units | Control Limit |
|---------------|--------------|------|-------|------|-------|---------------|
| SB03860-CCV2 | 9CL-PF3ONS | 9.35 | 9.52 | 102 | ng/mL | +/- 30.00% |
| | 11CL-PF3OUDS | 9.45 | 8.78 | 93.0 | ng/mL | +/- 30.00% |

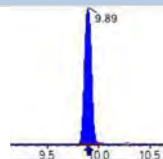
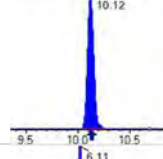
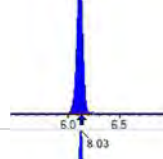
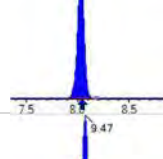
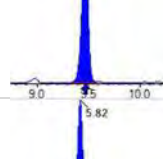
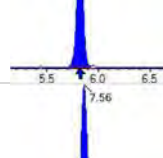
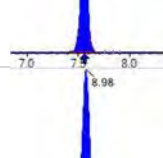
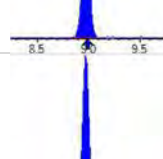
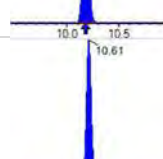
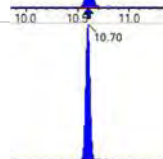
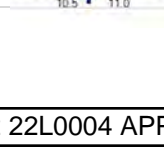
| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|---------|--|--|----------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| PFBA | (212.9 / 169.0) 1087752 | (3.71, 1.00) (0.00, N/A, 0.0) | 62.0 | N/A 0.0 0.0 | 21.5711 [20.0000] | 107.9% |  | | |
| PFPeA | (262.9 / 219.0) 795140 (262.9 / 69.0) 8945 | (5.01, 1.00) (0.00, N/A, 0.1) | 914.8 271.8 | 0.0112 13180.8 92.4 | 9.9057 [10.0000] | 99.1% |  |  | |
| PFHxA | (313.0 / 269.0) 636099 (313.0 / 119.0) 60172 | (6.16, 1.00) (0.00, N/A, 0.1) | 921.4 409.1 | 0.0946 96.4 97.5 | 4.4615 [5.0000] | 89.2% |  |  | |
| PFHpA | (363.0 / 319.0) 513119 (363.0 / 169.0) 160614 | (7.09, 1.00) (0.00, N/A, 0.0) | 710.7 526.0 | 0.3130 100.2 112.6 | 4.6755 [5.0000] | 93.5% |  |  | |
| PFOA | (413.0 / 369.0) 554353 (413.0 / 169.0) 181322 | (7.90, 1.00) (0.00, N/A, 0.0) | 634.2 553.9 | 0.3271 97.1 102.6 | 4.8738 [5.0000] | 97.5% |  |  | |
| PFNA | (463.0 / 419.0) 422448 (463.0 / 169.0) 90357 | (8.65, 1.00) (0.00, N/A, -0.1) | 496.2 107.0 | 0.2139 106.6 104.6 | 5.5185 [5.0000] | 110.4% |  |  | |
| PFDA | (513.0 / 469.0) 603952 (513.0 / 169.0) 53166 | (9.32, 1.00) (0.01, N/A, -0.1) | 478.5 803.0 | 0.0880 110.6 96.9 | 5.5394 [5.0000] | 110.8% |  |  | |
| PFUnA | (563.0 / 519.0) 754257 (563.0 / 169.0) 68929 | (9.72, 1.00) (0.00, N/A, 0.0) | 751.7 278.7 | 0.0914 81.6 106.6 | 5.7611 [5.0000] | 115.2% |  |  | |
| PFDoA | (613.0 / 569.0) 897112 (613.0 / 169.0) 124458 | (9.89, 1.00) (0.00, N/A, -0.3) | 697.0 391.6 | 0.1387 110.5 113.4 | 5.5534 [5.0000] | 111.1% |  |  | |
| PFTrDA | (663.0 / 619.0) 684044 (663.0 / 169.0) 145726 | (10.02, 1.01) (N/A, 0.01, -0.2) | 642.4 378.5 | 0.2130 101.9 93.4 | 5.1311 [5.0000] | 102.6% |  |  | |
| PFTeDA | (713.0 / 669.0) 621231 (713.0 / 169.0) 113868 | (10.12, 1.00) (0.00, N/A, 0.2) | 762.7 300.5 | 0.1833 80.7 102.9 | 4.4829 [5.0000] | 89.7% |  |  | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|---------|--|--|--------------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| PFBS | (298.9 / 80.0) 872244 (298.9 / 99.0) 526960 | (6.11, 1.00) (0.00, N/A, -0.1) | 958.9 701.1 | 0.6041 88.8 90.9 | 4.2170 [4.4237] | 95.3% |  |  | |
| PFPeS | (349.0 / 80.0) 1427714 (349.0 / 99.0) 494388 | (7.15, 0.89) (N/A, 0.02, 0.1) | 672.9 718.3 | 0.3463 92.7 101.2 | 4.4223 [4.6919] | 94.3% |  |  | |
| PFHxS | (399.0 / 80.0) 1254592 (399.0 / 99.0) 439370 | (8.03, 1.00) (0.00, N/A, 0.1) | 22765.7 14603.1 | 0.3502 102.2 105.8 | 4.5840 [4.5549] | 100.6% |  |  | |
| PFHpS | (449.0 / 80.0) 1097440 (449.0 / 99.0) 324413 | (8.80, 0.93) (N/A, 0.03, 0.3) | 608.6 400.6 | 0.2956 100.7 108.6 | 4.4690 [4.7570] | 93.9% |  |  | |
| PFOS | (499.0 / 80.0) 1357453 (499.0 / 99.0) 313614 | (9.47, 1.00) (0.00, N/A, 0.0) | 123.5 166.5 | 0.2310 101.1 106.5 | 4.4588 [4.6375] | 96.1% |  |  | |
| PFNS | (549.0 / 80.0) 1779818 (549.0 / 99.0) 451600 | (9.77, 1.03) (N/A, 0.01, 0.0) | 683.6 654.5 | 0.2537 101.7 96.2 | 5.0841 [4.7994] | 105.9% |  |  | |
| PFDS | (599.0 / 80.0) 2129784 (599.0 / 99.0) 498354 | (9.92, 1.05) (N/A, 0.01, 0.1) | 825.2 676.4 | 0.2340 91.8 107.2 | 4.9303 [4.8155] | 102.4% |  |  | |
| PFDoS | (698.9 / 80.0) 1214200 (698.9 / 99.0) 298834 | (10.11, 1.07) (N/A, 0.01, -0.1) | 910.3 1511.4 | 0.2461 119.8 104.3 | 5.3849 [4.8478] | 111.1% |  |  | |
| 4:2FTS | (327.0 / 307.0) 1274161 (327.0 / 81.0) 715847 | (5.82, 1.00) (0.00, N/A, -0.2) | 1029.9 759.8 | 0.5618 112.4 95.3 | 18.3282 [18.6906] | 98.1% |  |  | |
| 6:2FTS | (427.0 / 407.0) 770926 (427.0 / 81.0) 543448 | (7.56, 1.00) (0.00, N/A, 0.1) | 956.8 837.0 | 0.7049 98.4 101.3 | 20.1749 [18.9808] | 106.3% |  |  | |
| 8:2FTS | (527.0 / 507.0) 653837 (527.0 / 81.0) 460958 | (8.98, 1.00) (0.00, N/A, -0.1) | 594.3 453.8 | 0.7050 100.2 110.9 | 20.5515 [19.1658] | 107.2% |  |  | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|--------------|--|--|------------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| PFOSA | (498.0 / 78.0) 2358927 (498.0 / 478.0) 44942 | (10.18, 1.00) (0.00, N/A, 0.1) | 1106.4 612.6 | 0.0191 80.6 81.9 | 4.5897 [5.0000] | 91.8% |  |  | |
| NMeFOSA | (511.9 / 219.0) 2028583 (511.9 / 169.0) 1377150 | (10.61, 1.00) (0.00, N/A, 0.0) | 985.7 814.8 | 0.6789 97.4 100.4 | 21.4175 [20.0000] | 107.1% |  |  | |
| NEIFOSA | (526.0 / 219.0) 2185323 (526.0 / 169.0) 2382441 | (10.70, 1.00) (0.00, N/A, 0.0) | 1463.7 2057.8 | 1.0902 96.8 104.1 | 19.2874 [20.0000] | 96.4% |  |  | |
| NMeFOSAA | (570.0 / 419.0) 284206 (570.0 / 483.0) 131027 | (9.51, 1.00) (0.00, N/A, -0.1) | 453.3 368.0 | 0.4610 98.2 74.5 | 5.0021 [5.0000] | 100.0% |  |  | |
| NEIFOSAA | (584.0 / 419.0) 275231 (584.0 / 526.0) 160907 | (9.69, 1.00) (0.01, N/A, 0.1) | 634.9 288.6 | 0.5846 75.9 88.7 | 4.9208 [5.0000] | 98.4% |  |  | |
| NMeFOSE | (616.1 / 59.0) 619898 | (10.58, 1.00) (0.01, N/A, 0.0) | 1313.9 | N/A 0.0 0.0 | 20.3071 [20.0000] | 101.5% |  | | |
| NEtFOSE | (630.0 / 59.0) 170675 | (10.68, 1.00) (0.00, N/A, 0.0) | 949.0 | N/A 0.0 0.0 | 19.6845 [20.0000] | 98.4% |  | | |
| HFPO-DA | (285.0 / 169.0) 494083 (285.0 / 185.0) 1458515 | (6.51, 1.00) (0.00, N/A, 0.1) | 915.9 1137.4 | 2.9520 115.7 107.0 | 9.2855 [10.0000] | 92.9% |  |  | |
| ADONA | (377.0 / 85.0) 1951802 (377.0 / 251.0) 253075 | (7.41, 1.14) (N/A, 0.03, 0.1) | 925.7 592.1 | 0.1297 103.4 99.6 | 8.8484 [9.4270] | 93.9% |  |  | |
| 9CI-Pf3ONS | (531.0 / 351.0) 5952296 (533.0 / 353.0) 2016668 | (9.72, 1.49) (N/A, 0.02, 0.1) | 724.9 800.0 | 0.3388 107.0 108.1 | 9.5155 [9.3325] | 102.0% |  |  | |
| 11CI-PF3OUDS | (631.0 / 451.0) 3620732 (633.0 / 453.0) 1123286 | (10.00, 1.54) (N/A, 0.02, 0.1) | 884.7 800.1 | 0.3102 106.0 101.4 | 8.7841 [9.4321] | 93.1% |  |  | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|----------------|--|--|-----------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| 3:3FTCA | (241.0 / 177.0) 70104 (241.0 / 117.0) 119921 | (4.49, 0.90) (N/A, 0.02, 0.2) | 614.9 802.6 | 1.7106 0.1 102.8 | 20.3623 [20.0000] | 101.8% |  |  | IR1, |
| 5:3FTCA | (341.0 / 236.7) 506233 (341.0 / 217.0) 870594 | (6.79, 1.10) (N/A, 0.03, -0.1) | 841.9 723.0 | 1.7198 108.8 107.8 | 17.4369 [20.0000] | 87.2% |  |  | |
| 7:3FTCA | (441.0 / 317.0) 567591 (441.0 / 337.0) 460049 | (8.61, 1.40) (N/A, 0.03, -0.1) | 423.6 527.1 | 0.8105 99.7 91.0 | 17.3235 [20.0000] | 86.6% |  |  | |
| PFEESA | (315.0 / 135.0) 1170802 (315.0 / 83.0) 339996 | (6.62, 1.07) (N/A, 0.03, 0.0) | 696.7 808.3 | 0.2904 102.7 105.5 | 7.9963 [8.9246] | 89.6% |  |  | |
| PFMPA | (229.0 / 85.0) 204843 | (4.21, 0.84) (N/A, 0.02, 0.0) | 1015.9 | N/A 0.0 0.0 | 9.4547 [10.0000] | 94.5% |  | | |
| PFMBA | (279.0 / 85.0) 695702 | (5.40, 1.08) (N/A, 0.02, 0.0) | 1173.4 | N/A 0.0 0.0 | 9.8365 [10.0000] | 98.4% |  | | |
| NFDHA | (201.0 / 85.0) 24408 (295.0 / 201.0) 191174 | (6.04, 0.98) (N/A, 0.03, 0.2) | 408.9 1041.5 | 7.8325 1.0 98.2 | 8.5744 [10.0000] | 85.7% |  |  | IR1, |
| 13C3_PFBA_IIS | (216.0 / 172.0) 83199 | (3.70, N/A) (N/A, 0.02, N/A) | 598.1 | N/A | 0.9516 [1.0000] | 95.2% { 100.0% } |  | | |
| 13C2_PFHxA_IIS | (315.1 / 270.0) 124888 | (6.16, N/A) (N/A, 0.03, N/A) | 478.2 | N/A | 0.9492 [1.0000] | 94.9% { 94.6% } |  | | |
| 13C4_PFOA_IIS | (417.0 / 372.0) 115783 | (7.90, N/A) (N/A, 0.03, N/A) | 436.3 | N/A | 0.9250 [1.0000] | 92.5% { 94.5% } |  | | |
| 13C5_PFNA_IIS | (468.0 / 423.0) 92148 | (8.65, N/A) (N/A, 0.03, N/A) | 244.5 | N/A | 0.9232 [1.0000] | 92.3% { 95.8% } |  | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|----------------|------------------------------|--|--------|-------------------------------------|---------------------------------|---------------------------|---|----------------------------|------|
| 13C2_PFDA_IIS | (515.1 / 470.1) 94709 | (9.32, N/A) (N/A, 0.03, N/A) | 285.9 | N/A | 0.9133 [1.0000] | 91.3% { 94.9% } |  | | |
| 18O2_PFHxS_IIS | (403.0 / 83.9) 211262 | (8.03, N/A) (N/A, 0.02, N/A) | 873.0 | N/A | 0.8930 [1.0000] | 89.3% { 95.1% } |  | | |
| 13C4_PFOS_IIS | (502.8 / 79.9) 184511 | (9.47, N/A) (N/A, 0.03, N/A) | 424.9 | N/A | 0.9197 [1.0000] | 92.0% { 93.3% } |  | | |
| 13C4_PFBA_EIS | (217.0 / 172.0) 607392 | (3.70, N/A) (N/A, 0.02, N/A) | 779.3 | N/A | 7.0514 [8.0000] | 88.1% { 90.4% } |  | | |
| 13C5_PFPeA_EIS | (267.9 / 223.0) 354649 | (5.01, N/A) (N/A, 0.02, N/A) | 842.6 | N/A | 3.8572 [4.0000] | 96.4% { 93.2% } |  | | |
| 13C5_PFHxA_EIS | (318.0 / 273.0) 314303 | (6.16, N/A) (N/A, 0.03, N/A) | 563.9 | N/A | 2.1379 [2.0000] | 106.9% { 110.3% } |  | | |
| 13C4_PFHpA_EIS | (367.0 / 322.0) 243076 | (7.09, N/A) (N/A, 0.03, N/A) | 568.2 | N/A | 1.8714 [2.0000] | 93.6% { 92.9% } |  | | |
| 13C8_PFOA_EIS | (421.0 / 376.0) 240014 | (7.90, N/A) (N/A, 0.03, N/A) | 612.1 | N/A | 1.8760 [2.0000] | 93.8% { 95.2% } |  | | |
| 13C9_PFNA_EIS | (472.0 / 427.0) 90593 | (8.64, N/A) (N/A, 0.03, N/A) | 318.5 | N/A | 0.9000 [1.0000] | 90.0% { 96.1% } |  | | |
| 13C6_PFDA_EIS | (519.0 / 474.0) 118259 | (9.32, N/A) (N/A, 0.03, N/A) | 376.5 | N/A | 0.9215 [1.0000] | 92.1% { 90.5% } |  | | |
| 13C7_PFUnA_EIS | (570.0 / 525.0) 175668 | (9.72, N/A) (N/A, 0.02, N/A) | 1166.9 | N/A | 0.9507 [1.0000] | 95.1% { 117.4% } |  | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|-----------------|------------------------------|--|-------|-------------------------------------|---------------------------------|---------------------------|---|----------------------------|------|
| 13C2_PFDa_EIS | (615.0 / 570.0) 201671 | (9.89, N/A) (N/A, 0.02, N/A) | 368.3 | N/A | 0.9678 [1.0000] | 96.8% { 83.4% } |  | | |
| 13C2_PFTeDA_EIS | (715.0 / 670.0) 144796 | (10.12, N/A) (N/A, 0.01, N/A) | 410.1 | N/A | 1.1432 [1.0000] | 114.3% { 109.2% } |  | | |
| 13C3_PFBs_EIS | (302.0 / 80.0) 757311 | (6.11, N/A) (N/A, 0.02, N/A) | 804.3 | N/A | 2.1949 [2.0000] | 109.7% { 101.7% } |  | | |
| 13C3_PFHxS_EIS | (402.0 / 80.0) 344186 | (8.03, N/A) (N/A, 0.03, N/A) | 751.9 | N/A | 1.9235 [2.0000] | 96.2% { 95.5% } |  | | |
| 13C8_PFOS_EIS | (507.0 / 80.0) 553991 | (9.47, N/A) (N/A, 0.03, N/A) | 289.9 | N/A | 1.8278 [2.0000] | 91.4% { 89.4% } |  | | |
| 13C2_4:2FTS_EIS | (329.0 / 81.0) 87194 | (5.82, N/A) (N/A, 0.02, N/A) | 465.1 | N/A | 4.4817 [4.0000] | 112.0% { 95.6% } |  | | |
| 13C2_6:2FTS_EIS | (429.0 / 81.0) 98994 | (7.56, N/A) (N/A, 0.03, N/A) | 547.1 | N/A | 3.9704 [4.0000] | 99.3% { 89.3% } |  | | |
| 13C2_8:2FTS_EIS | (529.0 / 81.0) 86821 | (8.98, N/A) (N/A, 0.03, N/A) | 354.8 | N/A | 3.8841 [4.0000] | 97.1% { 81.4% } |  | | |
| 13C8_PFOsa_EIS | (506.0 / 78.0) 1032743 | (10.18, N/A) (N/A, 0.01, N/A) | 807.8 | N/A | 2.3413 [2.0000] | 117.1% { 112.9% } |  | | |
| D3_NMeFOSA_EIS | (515.0 / 169.0) 237429 | (10.61, N/A) (N/A, 0.01, N/A) | 988.6 | N/A | 2.1606 [2.0000] | 108.0% { 98.4% } |  | | |
| D5_NEiFOSA_EIS | (531.1 / 169.0) 248497 | (10.70, N/A) (N/A, 0.01, N/A) | 755.3 | N/A | 2.4217 [2.0000] | 121.1% { 105.8% } |  | | |



Chemist: ABK
 Instrument: Saphira
 Type: Sciex Q3 5500

Sample I.D.: SB03860-CCV2
 DF, IV: 1, 10.0µL
 Acquisition Method: 1633 2022-12-13.dam

Quant Method: 1633 - S2022-12-15A
 Path: S2022-12-15C (27)
 Acquired: 2022/12/16 - 05:30

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (ΔRT-I[min], ΔRT-CV[min], ΔRT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|-----------------|------------------------------|--|--------|-------------------------------------|---------------------------------|---------------------------|-----------------------|----------------------------|------|
| D3_MeFOSAA_EIS | (573.0 / 419.0) 313592 | (9.51, N/A) (N/A, 0.02, N/A) | 356.0 | N/A | 4.4107 [4.0000] | 110.3% { 114.2% } | | | |
| D5_EtFOSAA_EIS | (589.0 / 419.0) 248192 | (9.68, N/A) (N/A, 0.02, N/A) | 368.2 | N/A | 4.2003 [4.0000] | 105.0% { 102.4% } | | | |
| D7_NMeFOSE_EIS | (623.2 / 58.9) 479465 | (10.57, N/A) (N/A, 0.01, N/A) | 1006.4 | N/A | 22.6824 [20.0000] | 113.4% { 104.2% } | | | |
| D9_NEtFOSE_EIS | (639.2 / 58.9) 271653 | (10.67, N/A) (N/A, 0.01, N/A) | 1338.8 | N/A | 23.8651 [20.0000] | 119.3% { 100.2% } | | | |
| 13C3_HFPODA_EIS | (287.0 / 169.0) 696661 | (6.50, N/A) (N/A, 0.03, N/A) | 837.8 | N/A | 7.7829 [8.0000] | 97.3% { 97.6% } | | | |

INITIAL AND CONTINUING CALIBRATION CHECK

Table B-15b

| | | | |
|-----------------|------------------|---------------|--------------|
| Laboratory:b | APPL, LLC | Work Order:b | 22L0004b |
| Client:b | Tidewater, Inc.b | Project:b | NASA JPL Slb |
| Instrument ID:b | Saphirab | Calibration:b | 2253011b |
| Standard ID:b | 22L04480 | Sequence:b | SB04003b |

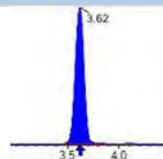
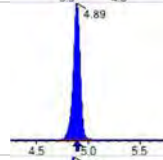
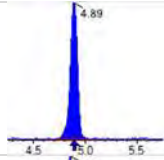
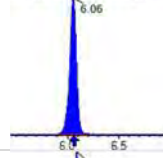
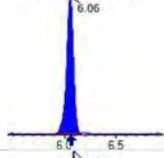
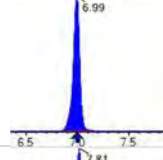
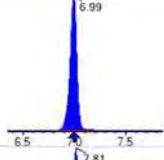
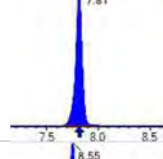
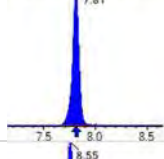
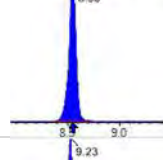
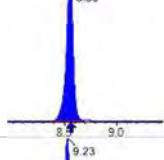
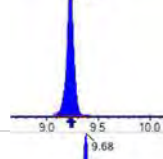
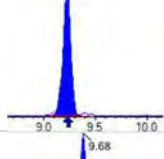
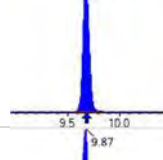
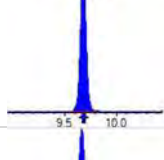
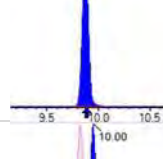
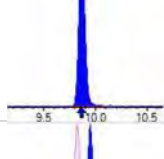
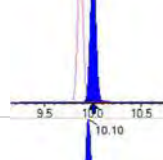
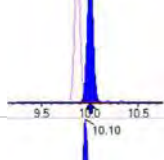
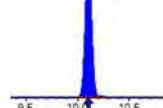
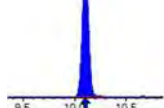
| Lab Sample ID | Analyte | True | Found | %R | Units | Control Limit |
|---------------|-----------|-------|-------|-------|--------|---------------|
| SB04003-CCV1b | PFBA | 20.0b | 21.2b | 106b | ng/mLb | +/- 30.00%b |
| | PFPEAb | 10.0b | 10.2b | 102b | ng/mLb | +/- 30.00%b |
| | PFHXAb | 5.00b | 5.25b | 105b | ng/mLb | +/- 30.00%b |
| | PFHPAb | 5.00b | 5.31b | 106b | ng/mLb | +/- 30.00%b |
| | PFOAb | 5.00b | 4.96b | 99.3b | ng/mLb | +/- 30.00%b |
| | PFNAb | 5.00b | 4.99b | 99.8b | ng/mLb | +/- 30.00%b |
| | PFDAb | 5.00b | 5.07b | 101b | ng/mLb | +/- 30.00%b |
| | PFUnAb | 5.00b | 5.72b | 114b | ng/mLb | +/- 30.00%b |
| | PFDOAb | 5.00b | 4.82b | 96.5b | ng/mLb | +/- 30.00%b |
| | PFTRDAb | 5.00b | 5.60b | 112b | ng/mLb | +/- 30.00%b |
| | PFTEDAb | 5.00b | 4.06b | 81.2b | ng/mLb | +/- 30.00%b |
| | PFBSb | 4.42b | 4.45b | 101b | ng/mLb | +/- 30.00%b |
| | PFPEsb | 4.70b | 5.35b | 114b | ng/mLb | +/- 30.00%b |
| | PFHXsb | 4.58b | 5.02b | 110b | ng/mLb | +/- 30.00%b |
| | PFHPSb | 4.78b | 4.76b | 99.6b | ng/mLb | +/- 30.00%b |
| | PFOSb | 4.65b | 4.92b | 106b | ng/mLb | +/- 30.00%b |
| | PFNSb | 4.80b | 5.41b | 113b | ng/mLb | +/- 30.00%b |
| | PFDSb | 4.82b | 5.70b | 118b | ng/mLb | +/- 30.00%b |
| | 4:2FTSb | 18.8b | 18.4b | 97.8b | ng/mLb | +/- 30.00%b |
| | 6:2FTSb | 19.0b | 19.3b | 102b | ng/mLb | +/- 30.00%b |
| | 8:2FTSb | 19.2b | 20.8b | 108b | ng/mLb | +/- 30.00%b |
| | PFOSAb | 5.00b | 4.88b | 97.6b | ng/mLb | +/- 30.00%b |
| | NMeFOSAb | 20.0b | 21.2b | 106b | ng/mLb | +/- 30.00%b |
| | NEtFOSAb | 20.0b | 20.7b | 104b | ng/mLb | +/- 30.00%b |
| | NMeFOSAAb | 5.00b | 4.94b | 98.8b | ng/mLb | +/- 30.00%b |
| | NEtFOSAAb | 5.00b | 4.23b | 84.6b | ng/mLb | +/- 30.00%b |
| | NMeFOSEb | 20.0b | 20.7b | 103b | ng/mLb | +/- 30.00%b |
| | NEtFOSEb | 20.0b | 20.1b | 100b | ng/mLb | +/- 30.00%b |
| | HFPO-DAb | 10.0b | 10.6b | 106b | ng/mLb | +/- 30.00%b |
| | ADONAb | 9.45b | 10.9b | 115b | ng/mLb | +/- 30.00%b |

INITIAL AND CONTINUING CALIBRATION CHECK

Table B-15

| | | | |
|----------------|-----------------|--------------|--------------|
| Laboratory: | APPL, LLC | Work Order: | 22L0004 |
| Client: | Tidewater, Inc. | Project: | NASA JPL S1b |
| Instrument ID: | Saphirab | Calibration: | 2253011b |
| Standard ID: | 22L04480 | Sequence: | SB04003b |

| Lab Sample ID | Analyte | True | Found | %R | Units | Control Limit |
|---------------|--------------|------|-------|-----|-------|---------------|
| SB04003-CCV1b | 9CL-PF3ONS | 9.35 | 9.99 | 107 | ng/mL | +/- 30.00% |
| | 11CL-PF3OUDS | 9.45 | 11.0 | 116 | ng/mL | +/- 30.00% |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|---------|---|--|-----------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| PFBA | (213.0 / 169.0) 4602968 | (3.62, 1.00) (0.00, N/A, 0.0) | 666.4 | N/A 0.0 0.0 | 21.1747 [20.0000] | 105.9% |  | | |
| PFPeA | (263.0 / 219.0) 3152369 (263.0 / 69.0) 36448 | (4.89, 1.00) (0.00, N/A, -0.1) | 614.9 358.6 | 0.0116 111.9 100.0 | 10.1876 [10.0000] | 101.9% |  |  | |
| PFHxA | (313.0 / 269.0) 2111480 (313.0 / 119.0) 191284 | (6.06, 1.00) (0.00, N/A, 0.1) | 462.1 387.2 | 0.0906 93.1 100.0 | 5.2497 [5.0000] | 105.0% |  |  | |
| PFHpA | (363.0 / 319.0) 2074297 (363.0 / 169.0) 566410 | (6.99, 1.00) (0.00, N/A, 0.0) | 703.6 423.9 | 0.2731 95.4 100.0 | 5.3068 [5.0000] | 106.1% |  |  | |
| PFOA | (413.0 / 369.0) 2090822 (413.0 / 169.0) 638380 | (7.81, 1.00) (0.00, N/A, 0.1) | 610.9 623.4 | 0.3053 100.6 100.0 | 4.9638 [5.0000] | 99.3% |  |  | |
| PFNA | (463.0 / 419.0) 1580628 (463.0 / 169.0) 337492 | (8.55, 1.00) (0.00, N/A, -0.2) | 482.3 414.6 | 0.2135 100.8 100.0 | 4.9897 [5.0000] | 99.8% |  |  | |
| PFDA | (513.0 / 469.0) 2232161 (513.0 / 169.0) 212720 | (9.23, 1.00) (0.00, N/A, 0.2) | 449.6 227.0 | 0.0953 103.4 100.0 | 5.0715 [5.0000] | 101.4% |  |  | |
| PFUnA | (563.0 / 519.0) 2510680 (563.0 / 169.0) 241265 | (9.68, 1.00) (0.00, N/A, -0.2) | 547.2 321.3 | 0.0961 124.9 100.0 | 5.7193 [5.0000] | 114.4% |  |  | |
| PFDoA | (613.0 / 569.0) 2656923 (613.0 / 169.0) 339978 | (9.87, 1.00) (0.00, N/A, 0.3) | 885.1 410.7 | 0.1280 95.0 100.0 | 4.8230 [5.0000] | 96.5% |  |  | |
| PFTrDA | (663.0 / 619.0) 2691735 (663.0 / 169.0) 491443 | (10.00, 1.01) (N/A, 0.00, -0.1) | 1282.4 397.7 | 0.1826 83.8 100.0 | 5.5999 [5.0000] | 112.0% |  |  | |
| PFTeDA | (713.0 / 669.0) 1673073 (713.0 / 169.0) 398196 | (10.10, 1.00) (0.00, N/A, 0.1) | 641.9 620.7 | 0.2380 120.6 100.0 | 4.0610 [5.0000] | 81.2% |  |  | |

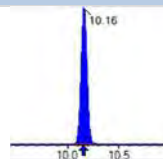
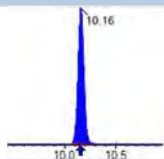
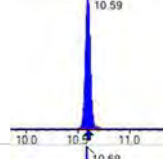
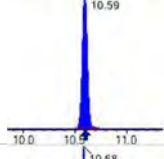
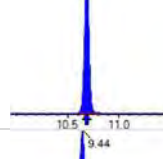
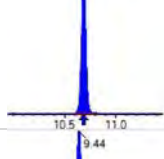
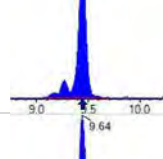
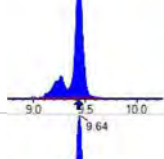
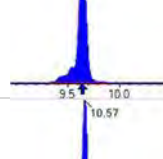
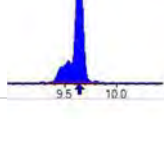
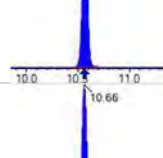
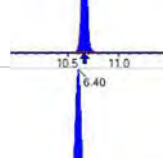
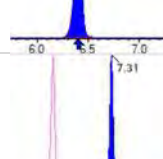
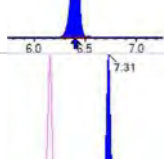
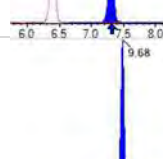
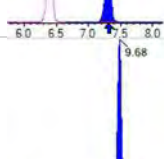
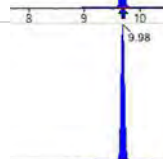
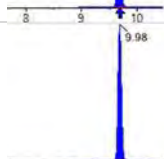
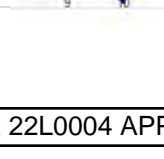
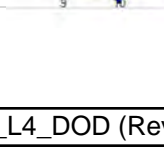


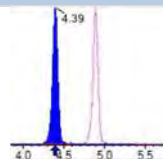
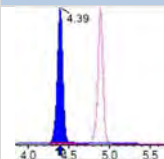
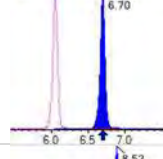
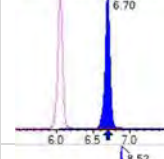
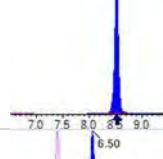
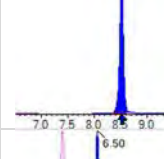
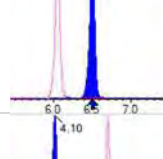
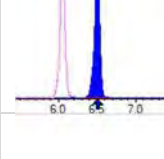
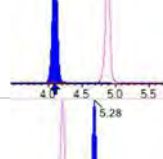
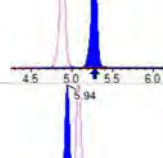
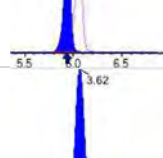
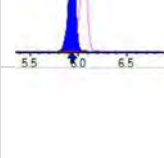
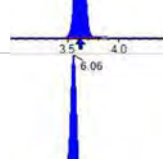
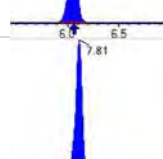
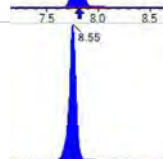
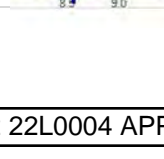
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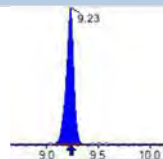
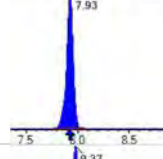
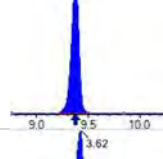
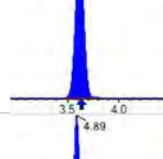
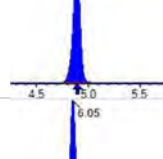
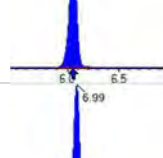
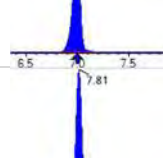
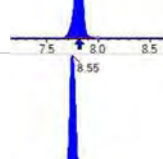
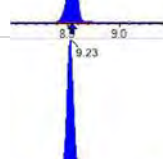
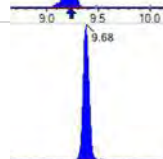
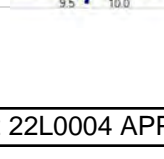
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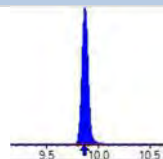
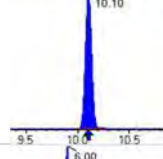
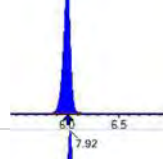
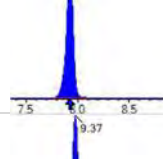
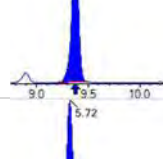
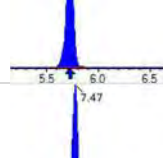
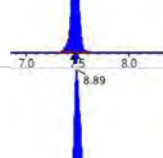
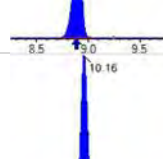
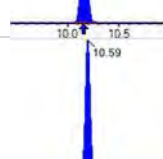
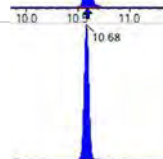
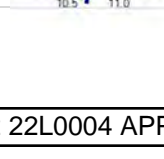
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 Path: S2022-12-30A (3)
 Acquired: 2022/12/30 - 04:28

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|---------|---|--|-----------------|-------------------------------------|---------------------------------|---------------------------|-----------------------|----------------------------|------|
| PFBS | (299.0 / 80.0) 2887855 (299.0 / 99.0) 1851717 | (6.00, 1.00) (0.00, N/A, 0.2) | 519.7 592.5 | 0.6412 97.6 100.0 | 4.4539 [4.4237] | 100.7% | | | |
| PFPeS | (349.0 / 80.0) 5237084 (349.0 / 99.0) 1858079 | (7.05, 0.89) (N/A, 0.00, 0.1) | 686.6 665.6 | 0.3548 95.7 100.0 | 5.3519 [4.6919] | 114.1% | | | |
| PFHxS | (399.0 / 80.0) 4324468 (399.0 / 99.0) 1385619 | (7.93, 1.00) (0.00, N/A, 0.1) | 854.2 941.9 | 0.3204 98.3 100.0 | 5.0176 [4.5549] | 110.2% | | | |
| PFHpS | (449.0 / 80.0) 3628665 (449.0 / 99.0) 1026305 | (8.70, 0.93) (N/A, 0.00, 0.1) | 689.4 554.3 | 0.2828 108.5 100.0 | 4.7593 [4.7570] | 100.0% | | | |
| PFOS | (499.0 / 80.0) 4317076 (499.0 / 99.0) 984763 | (9.37, 1.00) (0.00, N/A, 0.1) | 363.3 664.5 | 0.2281 109.7 100.0 | 4.9198 [4.6375] | 106.1% | | | |
| PFNS | (549.0 / 80.0) 5380691 (549.0 / 99.0) 1244935 | (9.73, 1.04) (N/A, 0.00, 0.1) | 617.1 507.6 | 0.2314 97.2 100.0 | 5.4095 [4.7994] | 112.7% | | | |
| PFDS | (599.0 / 80.0) 6852357 (599.0 / 99.0) 1297612 | (9.89, 1.06) (N/A, 0.00, 0.2) | 1153.0 616.3 | 0.1894 72.0 100.0 | 5.6975 [4.8155] | 118.3% | | | |
| PFDoS | (699.0 / 80.0) 3510171 (699.0 / 99.0) 634336 | (10.09, 1.08) (N/A, 0.00, 0.0) | 919.3 433.6 | 0.1807 92.2 100.0 | 6.1977 [4.8478] | 127.8% | | | |
| 4:2FTS | (327.0 / 307.0) 8123897 (327.0 / 81.0) 5067808 | (5.73, 1.00) (0.00, N/A, 0.2) | 564.9 704.1 | 0.6238 87.1 100.0 | 18.3954 [18.6906] | 98.4% | | | |
| 6:2FTS | (427.0 / 407.0) 5512815 (427.0 / 81.0) 3833865 | (7.47, 1.00) (0.00, N/A, -0.1) | 695.8 736.3 | 0.6954 94.1 100.0 | 19.3356 [18.9808] | 101.9% | | | |
| 8:2FTS | (527.0 / 507.0) 4960382 (527.0 / 81.0) 3725021 | (8.89, 1.00) (0.00, N/A, -0.4) | 473.0 498.2 | 0.7510 122.7 100.0 | 20.7798 [19.1658] | 108.4% | | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|--------------|---|--|------------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| PFOSA | (498.0 / 78.0) 5795238 (498.0 / 478.0) 119525 | (10.16, 1.00) (0.00, N/A, 0.1) | 893.4 402.8 | 0.0206 98.8 100.0 | 4.8799 [5.0000] | 97.6% |  |  | |
| NMeFOSA | (512.0 / 219.0) 4099650 (512.0 / 169.0) 2741685 | (10.59, 1.00) (0.00, N/A, 0.1) | 878.6 1028.1 | 0.6688 96.6 100.0 | 21.2375 [20.0000] | 106.2% |  |  | |
| NEIFOSA | (526.0 / 219.0) 3793431 (526.0 / 169.0) 4094290 | (10.69, 1.00) (0.00, N/A, 0.0) | 1205.6 1177.9 | 1.0793 108.7 100.0 | 20.7167 [20.0000] | 103.6% |  |  | |
| NMeFOSAA | (570.0 / 419.0) 1117457 (570.0 / 483.0) 590168 | (9.44, 1.00) (0.00, N/A, 0.3) | 358.4 355.0 | 0.5281 94.9 100.0 | 4.9390 [5.0000] | 98.8% |  |  | |
| NEIFOSAA | (584.0 / 419.0) 899777 (584.0 / 526.0) 592836 | (9.64, 1.00) (0.01, N/A, 0.2) | 798.8 651.9 | 0.6589 111.1 100.0 | 4.2309 [5.0000] | 84.6% |  |  | |
| NMeFOSE | (616.0 / 59.0) 1159035 | (10.57, 1.00) (0.01, N/A, 0.0) | 980.2 | N/A 0.0 0.0 | 20.6619 [20.0000] | 103.3% |  | | |
| NEtFOSE | (630.0 / 59.0) 259149 | (10.66, 1.00) (0.01, N/A, 0.0) | 1134.4 | N/A 0.0 0.0 | 20.0513 [20.0000] | 100.3% |  | | |
| HFPO-DA | (285.0 / 169.0) 1671318 (285.0 / 185.0) 4149573 | (6.40, 1.00) (0.00, N/A, 0.0) | 578.5 682.4 | 2.4828 96.8 100.0 | 10.5711 [10.0000] | 105.7% |  |  | |
| ADONA | (377.0 / 85.0) 6872301 (377.0 / 251.0) 738681 | (7.31, 1.14) (N/A, 0.00, 0.1) | 807.0 713.9 | 0.1075 87.4 100.0 | 10.9078 [9.4270] | 115.7% |  |  | |
| 9CI-Pf3ONS | (531.0 / 351.0) 17197741 (533.0 / 353.0) 5124653 | (9.68, 1.51) (N/A, 0.00, 0.0) | 685.7 732.6 | 0.2980 94.3 100.0 | 9.9943 [9.3325] | 107.1% |  |  | |
| 11CI-PF3OUDS | (631.0 / 451.0) 10694409 (633.0 / 453.0) 3400765 | (9.98, 1.56) (N/A, 0.00, 0.0) | 1218.4 1303.6 | 0.3180 102.7 100.0 | 10.9811 [9.4321] | 116.4% |  |  | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|----------------|--|--|----------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| 3:3FTCA | (241.0 / 177.0) 207013 (241.0 / 117.0) 273267 | (4.39, 0.90) (N/A, 0.00, 0.1) | 600.4 364.8 | 1.3200 100.4 100.0 | 19.4641 [20.0000] | 97.3% |  |  | |
| 5:3FTCA | (341.0 / 236.7) 1317170 (341.0 / 217.0) 2040224 | (6.70, 1.11) (N/A, 0.00, 0.1) | 549.8 502.2 | 1.5489 86.3 100.0 | 21.3957 [20.0000] | 107.0% |  |  | |
| 7:3FTCA | (441.0 / 317.0) 1530538 (441.0 / 337.0) 1295648 | (8.52, 1.41) (N/A, 0.00, 0.1) | 433.6 445.4 | 0.8465 102.7 100.0 | 19.0853 [20.0000] | 95.4% |  |  | |
| PFEESA | (315.0 / 135.0) 3349414 (315.0 / 83.0) 935050 | (6.50, 1.07) (N/A, 0.00, 0.0) | 668.4 673.5 | 0.2792 91.5 100.0 | 9.0700 [8.9246] | 101.6% |  |  | |
| PFMPA | (229.0 / 85.0) 882122 | (4.10, 0.84) (N/A, 0.00, 0.0) | 1038.4 | N/A 0.0 0.0 | 9.7613 [10.0000] | 97.6% |  | | |
| PFMBA | (279.0 / 85.0) 2491338 | (5.28, 1.08) (N/A, 0.00, 0.0) | 693.9 | N/A 0.0 0.0 | 9.6673 [10.0000] | 96.7% |  | | |
| NFDHA | (295.0 / 201.0) 1999421 (295.0 / 85.0) 1835647 | (5.94, 0.98) (N/A, 0.00, 0.1) | 741.6 657.1 | 0.9181 106.9 100.0 | 10.1277 [10.0000] | 101.3% |  |  | |
| 13C3_PFBA_IIS | (216.0 / 172.0) 235809 | (3.62, N/A) (N/A, 0.00, N/A) | 620.3 | N/A | 1.0950 [1.0000] | 109.5% { 100.0% } |  | | |
| 13C2_PFHxA_IIS | (315.0 / 270.0) 412863 | (6.06, N/A) (N/A, 0.00, N/A) | 574.3 | N/A | 1.0876 [1.0000] | 108.8% { 100.0% } |  | | |
| 13C4_PFOA_IIS | (417.0 / 372.0) 393239 | (7.81, N/A) (N/A, 0.00, N/A) | 526.0 | N/A | 1.0894 [1.0000] | 108.9% { 100.0% } |  | | |
| 13C5_PFNA_IIS | (468.0 / 423.0) 320671 | (8.55, N/A) (N/A, 0.00, N/A) | 424.8 | N/A | 1.0905 [1.0000] | 109.0% { 100.0% } |  | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|----------------|------------------------------|--|-------|-------------------------------------|---------------------------------|---------------------------|---|----------------------------|------|
| 13C2_PFDA_IIS | (515.0 / 470.1) 352353 | (9.23, N/A) (N/A, 0.00, N/A) | 360.8 | N/A | 1.0344 [1.0000] | 103.4% { 100.0% } |  | | |
| 18O2_PFHxS_IIS | (403.0 / 83.9) 629781 | (7.93, N/A) (N/A, 0.00, N/A) | 773.2 | N/A | 1.0408 [1.0000] | 104.1% { 100.0% } |  | | |
| 13C4_PFOS_IIS | (503.0 / 79.9) 653987 | (9.37, N/A) (N/A, 0.00, N/A) | 462.6 | N/A | 1.0142 [1.0000] | 101.4% { 100.0% } |  | | |
| 13C4_PFBA_EIS | (217.0 / 172.0) 1861287 | (3.62, N/A) (N/A, 0.00, N/A) | 551.7 | N/A | 7.8619 [8.0000] | 98.3% { 100.0% } |  | | |
| 13C5_PFPeA_EIS | (268.0 / 223.0) 1303509 | (4.89, N/A) (N/A, 0.00, N/A) | 672.7 | N/A | 4.1849 [4.0000] | 104.6% { 100.0% } |  | | |
| 13C5_PFHxA_EIS | (318.0 / 273.0) 810636 | (6.05, N/A) (N/A, 0.00, N/A) | 573.2 | N/A | 1.9187 [2.0000] | 95.9% { 100.0% } |  | | |
| 13C4_PFHpA_EIS | (367.0 / 322.0) 746030 | (6.99, N/A) (N/A, 0.00, N/A) | 455.9 | N/A | 2.0327 [2.0000] | 101.6% { 100.0% } |  | | |
| 13C8_PFOA_EIS | (421.0 / 376.0) 790805 | (7.81, N/A) (N/A, 0.00, N/A) | 569.5 | N/A | 1.9655 [2.0000] | 98.3% { 100.0% } |  | | |
| 13C9_PFNA_EIS | (472.0 / 427.0) 328214 | (8.55, N/A) (N/A, 0.00, N/A) | 506.8 | N/A | 0.9851 [1.0000] | 98.5% { 100.0% } |  | | |
| 13C6_PFDA_EIS | (519.0 / 474.0) 443844 | (9.23, N/A) (N/A, 0.00, N/A) | 371.1 | N/A | 1.0429 [1.0000] | 104.3% { 100.0% } |  | | |
| 13C7_PFUnA_EIS | (570.0 / 525.0) 481023 | (9.68, N/A) (N/A, 0.00, N/A) | 348.3 | N/A | 0.9190 [1.0000] | 91.9% { 100.0% } |  | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|-----------------|------------------------------|--|-------|-------------------------------------|---------------------------------|---------------------------|---|----------------------------|------|
| 13C2_PFDa_EIS | (615.0 / 570.0) 574820 | (9.87, N/A) (N/A, 0.00, N/A) | 453.6 | N/A | 1.1005 [1.0000] | 110.0% { 100.0% } |  | | |
| 13C2_PFTeDA_EIS | (715.0 / 670.0) 407275 | (10.10, N/A) (N/A, 0.00, N/A) | 845.0 | N/A | 1.2306 [1.0000] | 123.1% { 100.0% } |  | | |
| 13C3_PFBs_EIS | (302.0 / 80.0) 2032705 | (6.00, N/A) (N/A, 0.00, N/A) | 511.8 | N/A | 2.1326 [2.0000] | 106.6% { 100.0% } |  | | |
| 13C3_PFHxS_EIS | (402.0 / 80.0) 995187 | (7.92, N/A) (N/A, 0.00, N/A) | 561.4 | N/A | 1.9283 [2.0000] | 96.4% { 100.0% } |  | | |
| 13C8_PFOS_EIS | (507.0 / 80.0) 1507126 | (9.37, N/A) (N/A, 0.00, N/A) | 166.6 | N/A | 1.9123 [2.0000] | 95.6% { 100.0% } |  | | |
| 13C2_4:2FTS_EIS | (329.0 / 81.0) 519493 | (5.72, N/A) (N/A, 0.00, N/A) | 613.1 | N/A | 4.8242 [4.0000] | 120.6% { 100.0% } |  | | |
| 13C2_6:2FTS_EIS | (429.0 / 81.0) 710328 | (7.47, N/A) (N/A, 0.00, N/A) | 725.2 | N/A | 4.9854 [4.0000] | 124.6% { 100.0% } |  | | |
| 13C2_8:2FTS_EIS | (529.0 / 81.0) 612131 | (8.89, N/A) (N/A, 0.00, N/A) | 495.9 | N/A | 3.4082 [4.0000] | 85.2% { 100.0% } |  | | |
| 13C8_PFOsa_EIS | (506.0 / 78.0) 2048048 | (10.16, N/A) (N/A, 0.00, N/A) | 584.9 | N/A | 2.2264 [2.0000] | 111.3% { 100.0% } |  | | |
| D3_NMeFOSA_EIS | (515.0 / 169.0) 397442 | (10.59, N/A) (N/A, 0.00, N/A) | 928.4 | N/A | 2.2848 [2.0000] | 114.2% { 100.0% } |  | | |
| D5_NEiFOSA_EIS | (531.0 / 169.0) 369212 | (10.68, N/A) (N/A, 0.00, N/A) | 688.3 | N/A | 2.3173 [2.0000] | 115.9% { 100.0% } |  | | |



Chemist: HGH
 Instrument: Saphira
 Type: Sciex Q3 5500

Sample I.D.: SB04003-CCV1
 DF, IV: 1, 10.0µL
 Acquisition Method: 1633 2022-12-27.dam

Quant Method: 1633 - S2022-12-29A
 Path: S2022-12-30A (3)
 Acquired: 2022/12/30 - 04:28

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (ΔRT-I[min], ΔRT-CV[min], ΔRT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|-----------------|------------------------------|--|--------|-------------------------------------|---------------------------------|---------------------------|-----------------------|----------------------------|------|
| D3_MeFOSAA_EIS | (573.0 / 419.0) 997304 | (9.44, N/A) (N/A, 0.00, N/A) | 386.0 | N/A | 4.0218 [4.0000] | 100.5% { 100.0% } | | | |
| D5_EtFOSAA_EIS | (589.0 / 419.0) 862934 | (9.64, N/A) (N/A, 0.00, N/A) | 98.4 | N/A | 4.3768 [4.0000] | 109.4% { 100.0% } | | | |
| D7_NMeFOSE_EIS | (623.0 / 58.9) 918902 | (10.56, N/A) (N/A, 0.00, N/A) | 920.6 | N/A | 24.1786 [20.0000] | 120.9% { 100.0% } | | | |
| D9_NEtFOSE_EIS | (639.0 / 58.9) 476212 | (10.66, N/A) (N/A, 0.00, N/A) | 1139.7 | N/A | 27.1732 [20.0000] | 135.9% { 100.0% } | | | |
| 13C3_HFPODA_EIS | (287.0 / 169.0) 1822079 | (6.40, N/A) (N/A, 0.00, N/A) | 601.4 | N/A | 7.7094 [8.0000] | 96.4% { 100.0% } | | | |

INITIAL AND CONTINUING CALIBRATION CHECK

Table B-15b

| | | | |
|-----------------|------------------|---------------|--------------|
| Laboratory:b | APPL, LLC | Work Order:b | 22L0004b |
| Client:b | Tidewater, Inc.b | Project:b | NASA JPL Slb |
| Instrument ID:b | Saphirab | Calibration:b | 2253011b |
| Standard ID:b | 22L04480 | Sequence:b | SB04003b |

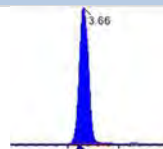
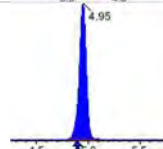
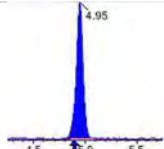
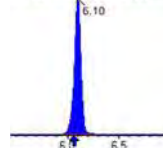
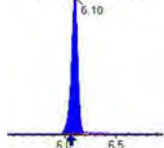
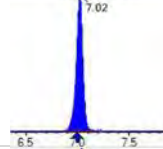
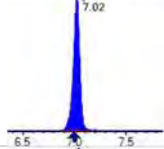
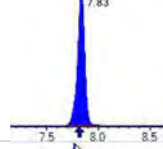
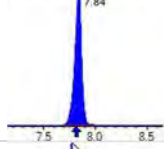
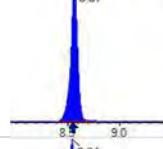
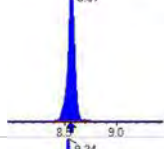
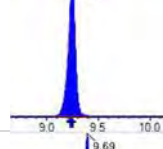
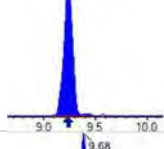
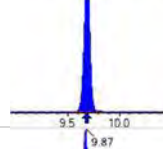
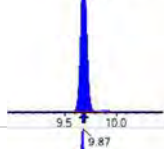
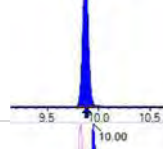
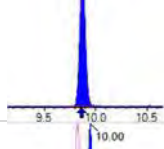
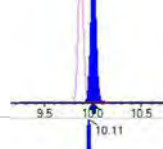
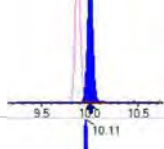
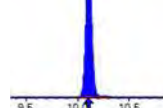
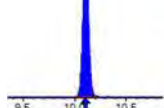
| Lab Sample ID | Analyte | True | Found | %R | Units | Control Limit |
|---------------|-----------|------|-------|------|-------|---------------|
| SB04003-CCV2 | PFBA | 20.0 | 20.4 | 102 | ng/mL | +/- 30.00% |
| | PFPEA | 10.0 | 10.1 | 101 | ng/mL | +/- 30.00% |
| | PFHXA | 5.00 | 5.15 | 103 | ng/mL | +/- 30.00% |
| | PFHPA | 5.00 | 4.97 | 99.4 | ng/mL | +/- 30.00% |
| | PFOA | 5.00 | 5.03 | 101 | ng/mL | +/- 30.00% |
| | PFNA | 5.00 | 4.73 | 94.6 | ng/mL | +/- 30.00% |
| | PFDA | 5.00 | 4.95 | 99.0 | ng/mL | +/- 30.00% |
| | PFUnA | 5.00 | 4.36 | 87.2 | ng/mL | +/- 30.00% |
| | PFDOA | 5.00 | 5.40 | 108 | ng/mL | +/- 30.00% |
| | PFTRDA | 5.00 | 5.76 | 115 | ng/mL | +/- 30.00% |
| | PFTEDA | 5.00 | 5.68 | 114 | ng/mL | +/- 30.00% |
| | PFBS | 4.42 | 4.48 | 101 | ng/mL | +/- 30.00% |
| | PFPEs | 4.70 | 5.10 | 108 | ng/mL | +/- 30.00% |
| | PFHXs | 4.58 | 4.78 | 104 | ng/mL | +/- 30.00% |
| | PFHPS | 4.78 | 3.98 | 83.2 | ng/mL | +/- 30.00% |
| | PFOS | 4.65 | 4.60 | 98.9 | ng/mL | +/- 30.00% |
| | PFNS | 4.80 | 4.93 | 103 | ng/mL | +/- 30.00% |
| | PFDS | 4.82 | 5.29 | 110 | ng/mL | +/- 30.00% |
| | 4:2FTS | 18.8 | 19.7 | 105 | ng/mL | +/- 30.00% |
| | 6:2FTS | 19.0 | 18.8 | 98.8 | ng/mL | +/- 30.00% |
| | 8:2FTS | 19.2 | 20.9 | 109 | ng/mL | +/- 30.00% |
| | PFOSA | 5.00 | 5.05 | 101 | ng/mL | +/- 30.00% |
| | NMeFOSA | 20.0 | 20.0 | 99.8 | ng/mL | +/- 30.00% |
| | NEtFOSA | 20.0 | 22.8 | 114 | ng/mL | +/- 30.00% |
| | NMeFOSAAb | 5.00 | 4.92 | 98.4 | ng/mL | +/- 30.00% |
| | NEtFOSAAb | 5.00 | 4.18 | 83.6 | ng/mL | +/- 30.00% |
| | NMeFOSE | 20.0 | 20.4 | 102 | ng/mL | +/- 30.00% |
| | NEtFOSE | 20.0 | 21.2 | 106 | ng/mL | +/- 30.00% |
| | HFPO-DA | 10.0 | 9.70 | 97.0 | ng/mL | +/- 30.00% |
| | ADONA | 9.45 | 10.1 | 107 | ng/mL | +/- 30.00% |

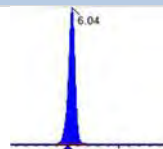
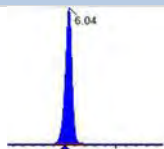
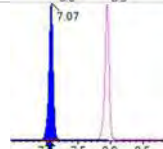
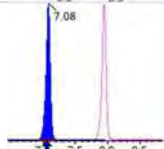
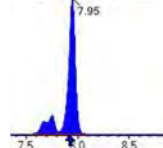
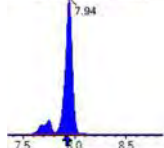
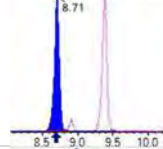
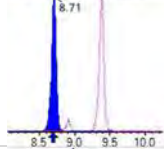
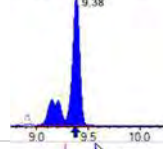
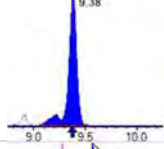
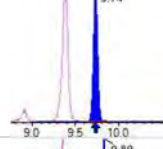
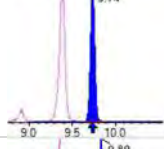
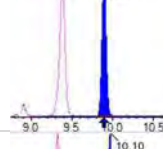
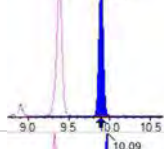
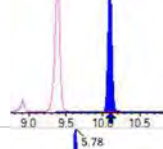
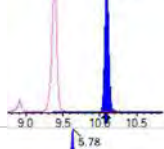
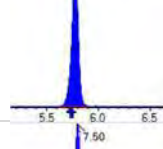
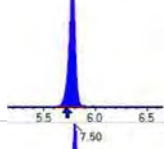
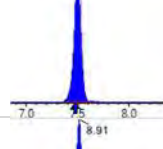
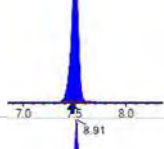
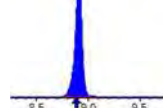
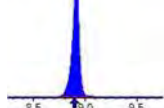
INITIAL AND CONTINUING CALIBRATION CHECK

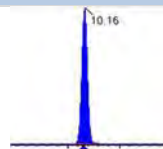
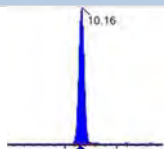
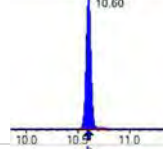
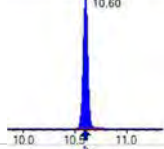
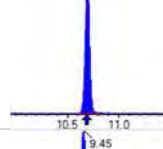
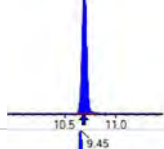
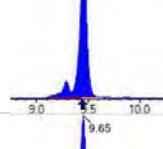
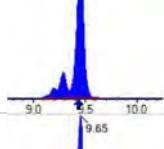
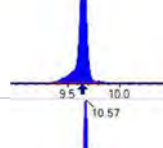
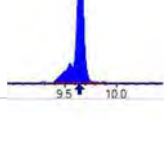
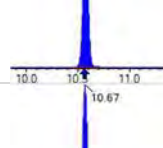
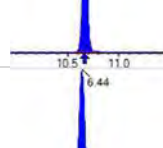
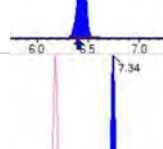
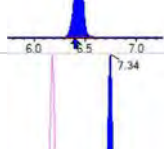
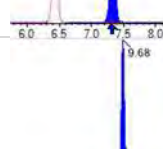
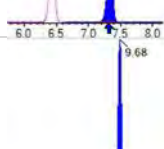
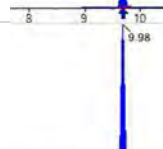
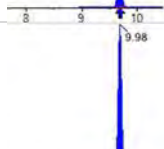
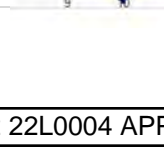
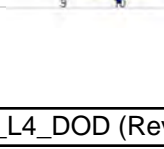
Table B-15b

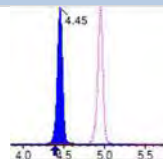
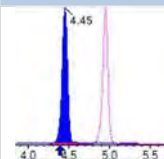
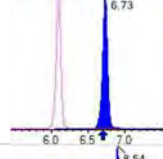
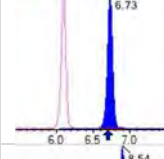
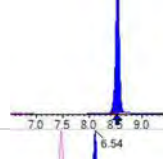
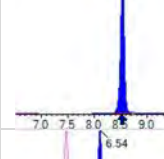
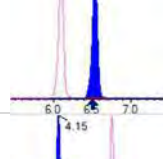
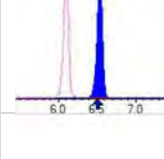
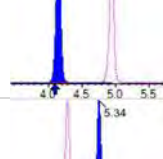
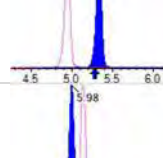
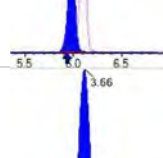
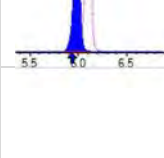
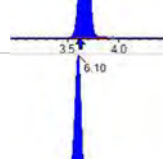
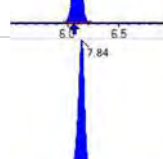
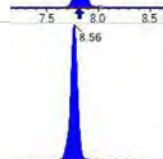
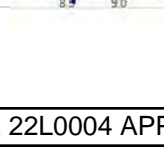
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| Client: | Tidewater, Inc. | Project: | NASA JPL S1b |
| Instrument ID: | Saphirab | Calibration: | 2253011b |
| Standard ID: | 22L04480 | Sequence: | SB04003b |

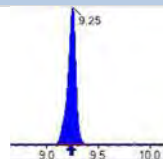
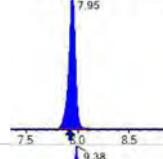
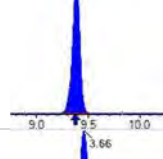
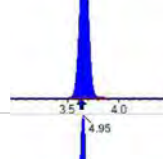
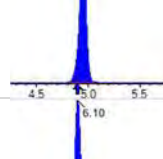
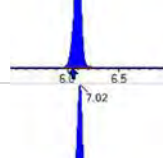
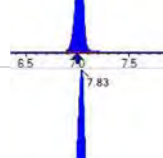
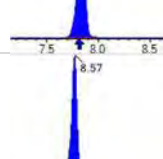
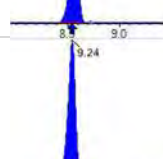
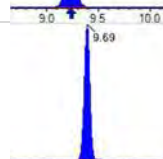
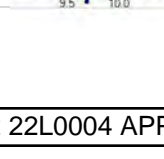
| Lab Sample ID | Analyte | True | Found | %R | Units | Control Limit |
|---------------|--------------|------|-------|------|-------|---------------|
| SB04003-CCV2 | 9CL-PF3ONS | 9.35 | 9.13 | 97.7 | ng/mL | +/- 30.00% |
| | 11CL-PF3OUDS | 9.45 | 10.4 | 110 | ng/mL | +/- 30.00% |

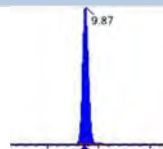
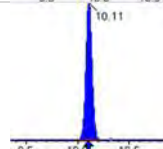
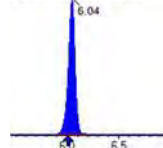
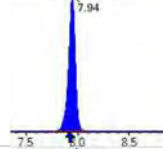
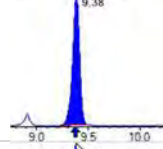
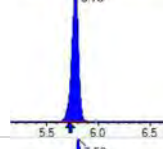
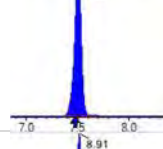
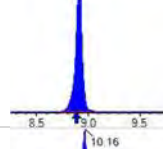
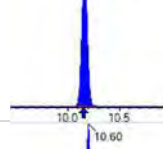
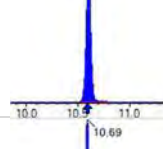
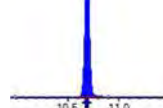
| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|---------|---|--|-----------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| PFBA | (213.0 / 169.0) 3845543 | (3.66, 1.00) (0.00, N/A, 0.0) | 495.8 | N/A 0.0 0.0 | 20.3905 [20.0000] | 102.0% |  | | |
| PFPeA | (263.0 / 219.0) 2697660 (263.0 / 69.0) 29498 | (4.95, 1.00) (0.00, N/A, 0.1) | 561.8 269.5 | 0.0109 105.8 94.6 | 10.0523 [10.0000] | 100.5% |  |  | |
| PFHxA | (313.0 / 269.0) 1995629 (313.0 / 119.0) 173425 | (6.10, 1.00) (0.00, N/A, 0.0) | 548.9 390.9 | 0.0869 89.3 95.9 | 5.1450 [5.0000] | 102.9% |  |  | |
| PFHpA | (363.0 / 319.0) 1816030 (363.0 / 169.0) 534312 | (7.02, 1.00) (0.00, N/A, 0.0) | 571.6 665.8 | 0.2942 102.8 107.7 | 4.9682 [5.0000] | 99.4% |  |  | |
| PFOA | (413.0 / 369.0) 1841150 (413.0 / 169.0) 574999 | (7.83, 1.00) (0.00, N/A, -0.1) | 568.9 625.5 | 0.3123 102.9 102.3 | 5.0260 [5.0000] | 100.5% |  |  | |
| PFNA | (463.0 / 419.0) 1347972 (463.0 / 169.0) 294807 | (8.57, 1.00) (0.00, N/A, -0.1) | 508.0 387.3 | 0.2187 103.3 102.4 | 4.7309 [5.0000] | 94.6% |  |  | |
| PFDA | (513.0 / 469.0) 1876456 (513.0 / 169.0) 176171 | (9.24, 1.00) (0.00, N/A, 0.5) | 534.5 220.0 | 0.0939 101.8 98.5 | 4.9476 [5.0000] | 99.0% |  |  | |
| PFUnA | (563.0 / 519.0) 2359299 (563.0 / 169.0) 233771 | (9.69, 1.00) (0.00, N/A, 0.2) | 724.3 493.1 | 0.0991 128.8 103.1 | 4.3598 [5.0000] | 87.2% |  |  | |
| PFDoA | (613.0 / 569.0) 2594841 (613.0 / 169.0) 351793 | (9.87, 1.00) (0.00, N/A, -0.1) | 742.1 536.9 | 0.1356 100.6 106.0 | 5.3997 [5.0000] | 108.0% |  |  | |
| PFTrDA | (663.0 / 619.0) 2414155 (663.0 / 169.0) 468389 | (10.00, 1.01) (N/A, 0.00, 0.1) | 1161.5 492.9 | 0.1940 89.1 106.3 | 5.7575 [5.0000] | 115.1% |  |  | |
| PFTeDA | (713.0 / 669.0) 1783527 (713.0 / 169.0) 310045 | (10.11, 1.00) (0.00, N/A, 0.0) | 424.7 421.6 | 0.1738 88.1 73.0 | 5.6818 [5.0000] | 113.6% |  |  | |

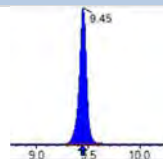
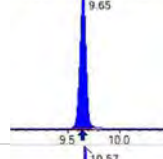
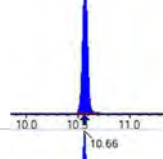
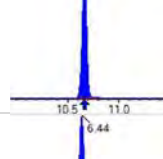
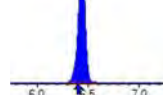
| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|---------|---|--|-----------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| PFBS | (299.0 / 80.0) 2706022 (299.0 / 99.0) 1711436 | (6.04, 1.00) (0.00, N/A, 0.1) | 658.5 539.1 | 0.6325 96.2 98.6 | 4.4778 [4.4237] | 101.2% |  |  | |
| PFPeS | (349.0 / 80.0) 4791298 (349.0 / 99.0) 1701714 | (7.07, 0.89) (N/A, 0.03, -0.2) | 699.6 779.3 | 0.3552 95.8 100.1 | 5.0964 [4.6919] | 108.6% |  |  | |
| PFHxS | (399.0 / 80.0) 3957131 (399.0 / 99.0) 1277946 | (7.95, 1.00) (0.00, N/A, 0.2) | 792.4 697.6 | 0.3229 99.1 100.8 | 4.7789 [4.5549] | 104.9% |  |  | |
| PFHpS | (449.0 / 80.0) 3076394 (449.0 / 99.0) 937015 | (8.71, 0.93) (N/A, 0.01, 0.0) | 620.2 634.6 | 0.3046 116.9 107.7 | 3.9754 [4.7570] | 83.6% |  |  | |
| PFOS | (499.0 / 80.0) 4095705 (499.0 / 99.0) 894162 | (9.38, 1.00) (0.00, N/A, 0.2) | 294.9 677.0 | 0.2183 104.9 95.7 | 4.5986 [4.6375] | 99.2% |  |  | |
| PFNS | (549.0 / 80.0) 4976148 (549.0 / 99.0) 1126316 | (9.74, 1.04) (N/A, 0.00, -0.1) | 678.8 619.4 | 0.2263 95.1 97.8 | 4.9289 [4.7994] | 102.7% |  |  | |
| PFDS | (599.0 / 80.0) 6452856 (599.0 / 99.0) 1434719 | (9.89, 1.05) (N/A, 0.00, -0.1) | 1135.4 767.8 | 0.2223 84.5 117.4 | 5.2861 [4.8155] | 109.8% |  |  | |
| PFDoS | (699.0 / 80.0) 3113505 (699.0 / 99.0) 631038 | (10.10, 1.08) (N/A, 0.00, 0.2) | 1633.4 588.1 | 0.2027 103.4 112.2 | 5.4161 [4.8478] | 111.7% |  |  | |
| 4:2FTS | (327.0 / 307.0) 8349871 (327.0 / 81.0) 4584472 | (5.78, 1.00) (0.00, N/A, -0.1) | 678.9 588.5 | 0.5490 76.7 88.0 | 19.7377 [18.6906] | 105.6% |  |  | |
| 6:2FTS | (427.0 / 407.0) 4688006 (427.0 / 81.0) 3663275 | (7.50, 1.00) (-0.01, N/A, -0.3) | 793.2 642.5 | 0.7814 105.7 112.4 | 18.7778 [18.9808] | 98.9% |  |  | |
| 8:2FTS | (527.0 / 507.0) 4992597 (527.0 / 81.0) 3262240 | (8.91, 1.00) (0.00, N/A, -0.3) | 485.3 631.1 | 0.6534 106.8 87.0 | 20.9006 [19.1658] | 109.1% |  |  | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|--------------|---|--|------------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| PFOSA | (498.0 / 78.0) 5110006 (498.0 / 478.0) 124463 | (10.16, 1.00) (0.00, N/A, 0.1) | 1065.6 395.0 | 0.0244 116.7 118.1 | 5.0452 [5.0000] | 100.9% |  |  | |
| NMeFOSA | (512.0 / 219.0) 3515894 (512.0 / 169.0) 2586487 | (10.60, 1.00) (0.00, N/A, 0.0) | 1186.6 1348.8 | 0.7357 106.3 110.0 | 19.9542 [20.0000] | 99.8% |  |  | |
| NEIFOSA | (526.0 / 219.0) 3797402 (526.0 / 169.0) 3851503 | (10.69, 1.00) (0.00, N/A, 0.1) | 1378.3 1289.7 | 1.0142 102.2 94.0 | 22.7845 [20.0000] | 113.9% |  |  | |
| NMeFOSAA | (570.0 / 419.0) 1098967 (570.0 / 483.0) 575045 | (9.45, 1.00) (0.00, N/A, 0.1) | 330.9 381.6 | 0.5233 94.0 99.1 | 4.9192 [5.0000] | 98.4% |  |  | |
| NEIFOSAA | (584.0 / 419.0) 953693 (584.0 / 526.0) 596456 | (9.65, 1.00) (0.00, N/A, -0.2) | 733.9 516.0 | 0.6254 105.4 94.9 | 4.1818 [5.0000] | 83.6% |  |  | |
| NMeFOSE | (616.0 / 59.0) 982912 | (10.57, 1.00) (0.01, N/A, 0.0) | 1234.2 | N/A 0.0 0.0 | 20.3762 [20.0000] | 101.9% |  | | |
| NEtFOSE | (630.0 / 59.0) 242439 | (10.67, 1.00) (0.01, N/A, 0.0) | 1048.7 | N/A 0.0 0.0 | 21.2196 [20.0000] | 106.1% |  | | |
| HFPO-DA | (285.0 / 169.0) 1462865 (285.0 / 185.0) 4111674 | (6.44, 1.00) (0.00, N/A, 0.0) | 577.3 617.2 | 2.8107 109.6 113.2 | 9.7001 [10.0000] | 97.0% |  |  | |
| ADONA | (377.0 / 85.0) 6076073 (377.0 / 251.0) 737034 | (7.34, 1.14) (N/A, 0.02, 0.0) | 775.2 650.0 | 0.1213 98.6 112.9 | 10.1103 [9.4270] | 107.2% |  |  | |
| 9CI-Pf3ONS | (531.0 / 351.0) 14989143 (533.0 / 353.0) 4970611 | (9.68, 1.50) (N/A, 0.01, 0.0) | 699.7 597.4 | 0.3316 105.0 111.3 | 9.1320 [9.3325] | 97.9% |  |  | |
| 11CI-PF3OUDS | (631.0 / 451.0) 9619371 (633.0 / 453.0) 3306854 | (9.98, 1.55) (N/A, 0.00, -0.1) | 1405.5 1101.7 | 0.3438 111.0 108.1 | 10.3548 [9.4321] | 109.8% |  |  | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|----------------|--|--|----------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| 3:3FTCA | (241.0 / 177.0) 176871 (241.0 / 117.0) 238318 | (4.45, 0.90) (N/A, 0.06, 0.2) | 640.4 392.5 | 1.3474 102.4 102.1 | 19.1750 [20.0000] | 95.9% |  |  | |
| 5:3FTCA | (341.0 / 236.7) 1212110 (341.0 / 217.0) 1931951 | (6.73, 1.10) (N/A, 0.03, 0.1) | 509.3 576.2 | 1.5939 88.8 102.9 | 20.4169 [20.0000] | 102.1% |  |  | |
| 7:3FTCA | (441.0 / 317.0) 1481070 (441.0 / 337.0) 1208291 | (8.54, 1.40) (N/A, 0.02, 0.0) | 493.6 463.3 | 0.8158 98.9 96.4 | 19.1510 [20.0000] | 95.8% |  |  | |
| PFEESA | (315.0 / 135.0) 3358761 (315.0 / 83.0) 965577 | (6.54, 1.07) (N/A, 0.03, 0.1) | 787.5 708.7 | 0.2875 94.3 103.0 | 9.4314 [8.9246] | 105.7% |  |  | |
| PFMPA | (229.0 / 85.0) 762947 | (4.15, 0.84) (N/A, 0.05, 0.0) | 965.3 | N/A 0.0 0.0 | 9.7346 [10.0000] | 97.3% |  | | |
| PFMBA | (279.0 / 85.0) 2443279 | (5.34, 1.08) (N/A, 0.06, 0.0) | 710.7 | N/A 0.0 0.0 | 10.9318 [10.0000] | 109.3% |  | | |
| NFDHA | (295.0 / 201.0) 1927090 (295.0 / 85.0) 1694461 | (5.98, 0.98) (N/A, 0.05, -0.1) | 657.7 749.4 | 0.8793 102.4 95.8 | 10.1221 [10.0000] | 101.2% |  |  | |
| 13C3_PFBA_IIS | (216.0 / 172.0) 204854 | (3.66, N/A) (N/A, 0.04, N/A) | 517.7 | N/A | 0.9513 [1.0000] | 95.1% { 86.9% } |  | | |
| 13C2_PFHxA_IIS | (315.0 / 270.0) 378250 | (6.10, N/A) (N/A, 0.04, N/A) | 594.8 | N/A | 0.9964 [1.0000] | 99.6% { 91.6% } |  | | |
| 13C4_PFOA_IIS | (417.0 / 372.0) 350237 | (7.84, N/A) (N/A, 0.02, N/A) | 435.4 | N/A | 0.9703 [1.0000] | 97.0% { 89.1% } |  | | |
| 13C5_PFNA_IIS | (468.0 / 423.0) 258373 | (8.56, N/A) (N/A, 0.01, N/A) | 380.1 | N/A | 0.8786 [1.0000] | 87.9% { 80.6% } |  | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|----------------|------------------------------|--|-------|-------------------------------------|---------------------------------|---------------------------|---|----------------------------|------|
| 13C2_PFDA_IIS | (515.0 / 470.1) 346247 | (9.25, N/A) (N/A, 0.02, N/A) | 534.6 | N/A | 1.0164 [1.0000] | 101.6% { 98.3% } |  | | |
| 18O2_PFHxS_IIS | (403.0 / 83.9) 602548 | (7.95, N/A) (N/A, 0.02, N/A) | 652.4 | N/A | 0.9958 [1.0000] | 99.6% { 95.7% } |  | | |
| 13C4_PFOS_IIS | (503.0 / 79.9) 555660 | (9.38, N/A) (N/A, 0.01, N/A) | 373.7 | N/A | 0.8617 [1.0000] | 86.2% { 85.0% } |  | | |
| 13C4_PFBA_EIS | (217.0 / 172.0) 1614810 | (3.66, N/A) (N/A, 0.04, N/A) | 685.6 | N/A | 7.8515 [8.0000] | 98.1% { 86.8% } |  | | |
| 13C5_PFPeA_EIS | (268.0 / 223.0) 1130500 | (4.95, N/A) (N/A, 0.06, N/A) | 568.0 | N/A | 3.9616 [4.0000] | 99.0% { 86.7% } |  | | |
| 13C5_PFHxA_EIS | (318.0 / 273.0) 781743 | (6.10, N/A) (N/A, 0.05, N/A) | 590.1 | N/A | 2.0197 [2.0000] | 101.0% { 96.4% } |  | | |
| 13C4_PFHpA_EIS | (367.0 / 322.0) 697656 | (7.02, N/A) (N/A, 0.03, N/A) | 511.7 | N/A | 2.0748 [2.0000] | 103.7% { 93.5% } |  | | |
| 13C8_PFOA_EIS | (421.0 / 376.0) 687749 | (7.83, N/A) (N/A, 0.02, N/A) | 694.1 | N/A | 1.9192 [2.0000] | 96.0% { 87.0% } |  | | |
| 13C9_PFNA_EIS | (472.0 / 427.0) 295220 | (8.57, N/A) (N/A, 0.02, N/A) | 482.0 | N/A | 1.0997 [1.0000] | 110.0% { 89.9% } |  | | |
| 13C6_PFDA_EIS | (519.0 / 474.0) 382455 | (9.24, N/A) (N/A, 0.02, N/A) | 586.1 | N/A | 0.9145 [1.0000] | 91.4% { 86.2% } |  | | |
| 13C7_PFUnA_EIS | (570.0 / 525.0) 592969 | (9.69, N/A) (N/A, 0.01, N/A) | 580.5 | N/A | 1.1528 [1.0000] | 115.3% { 123.3% } |  | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|-----------------|------------------------------|--|--------|-------------------------------------|---------------------------------|---------------------------|---|----------------------------|------|
| 13C2_PFDa_EIS | (615.0 / 570.0) 501437 | (9.87, N/A) (N/A, 0.00, N/A) | 507.8 | N/A | 0.9769 [1.0000] | 97.7% { 87.2% } |  | | |
| 13C2_PFTeDA_EIS | (715.0 / 670.0) 310313 | (10.11, N/A) (N/A, 0.00, N/A) | 3802.8 | N/A | 0.9541 [1.0000] | 95.4% { 76.2% } |  | | |
| 13C3_PFBs_EIS | (302.0 / 80.0) 1894550 | (6.04, N/A) (N/A, 0.05, N/A) | 541.6 | N/A | 2.0775 [2.0000] | 103.9% { 93.2% } |  | | |
| 13C3_PFHxS_EIS | (402.0 / 80.0) 956130 | (7.94, N/A) (N/A, 0.02, N/A) | 853.3 | N/A | 1.9363 [2.0000] | 96.8% { 96.1% } |  | | |
| 13C8_PFOS_EIS | (507.0 / 80.0) 1529721 | (9.38, N/A) (N/A, 0.01, N/A) | 174.6 | N/A | 2.2844 [2.0000] | 114.2% { 101.5% } |  | | |
| 13C2_4:2FTS_EIS | (329.0 / 81.0) 497634 | (5.78, N/A) (N/A, 0.05, N/A) | 577.5 | N/A | 4.8301 [4.0000] | 120.8% { 95.8% } |  | | |
| 13C2_6:2FTS_EIS | (429.0 / 81.0) 621995 | (7.50, N/A) (N/A, 0.03, N/A) | 584.2 | N/A | 4.5628 [4.0000] | 114.1% { 87.6% } |  | | |
| 13C2_8:2FTS_EIS | (529.0 / 81.0) 612548 | (8.91, N/A) (N/A, 0.02, N/A) | 332.6 | N/A | 3.5647 [4.0000] | 89.1% { 100.1% } |  | | |
| 13C8_PFOsa_EIS | (506.0 / 78.0) 1746723 | (10.16, N/A) (N/A, 0.01, N/A) | 1061.8 | N/A | 2.2349 [2.0000] | 111.7% { 85.3% } |  | | |
| D3_NMeFOSA_EIS | (515.0 / 169.0) 362770 | (10.60, N/A) (N/A, 0.01, N/A) | 1044.4 | N/A | 2.4545 [2.0000] | 122.7% { 91.3% } |  | | |
| D5_NeIFOSA_EIS | (531.0 / 169.0) 336054 | (10.69, N/A) (N/A, 0.01, N/A) | 627.7 | N/A | 2.4824 [2.0000] | 124.1% { 91.0% } |  | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-I[μ min], Δ RT- CV[μ min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|-----------------|------------------------------|---|--------|-------------------------------------|---------------------------------|---------------------------|--|----------------------------|------|
| D3_MeFOSAA_EIS | (573.0 / 419.0) 984748 | (9.45, N/A) (N/A, 0.01, N/A) | 311.1 | N/A | 4.6739 [4.0000] | 116.8% { 98.7% } |  | | |
| D5_EtFOSAA_EIS | (589.0 / 419.0) 925382 | (9.65, N/A) (N/A, 0.01, N/A) | 132.6 | N/A | 5.5241 [4.0000] | 138.1% { 107.2% } |  | | |
| D7_NMeFOSE_EIS | (623.0 / 58.9) 790196 | (10.57, N/A) (N/A, 0.01, N/A) | 900.6 | N/A | 24.4713 [20.0000] | 122.4% { 86.0% } |  | | |
| D9_NEtFOSE_EIS | (639.0 / 58.9) 420754 | (10.66, N/A) (N/A, 0.01, N/A) | 1510.5 | N/A | 28.2572 [20.0000] | 141.3% { 88.4% } |  | | |
| 13C3_HFPODA_EIS | (287.0 / 169.0) 1738038 | (6.44, N/A) (N/A, 0.04, N/A) | 617.3 | N/A | 8.0267 [8.0000] | 100.3% { 95.4% } |  | | |

INITIAL AND CONTINUING CALIBRATION CHECK

Table B-15b

| | | | |
|-----------------|------------------|---------------|--------------|
| Laboratory:b | APPL, LLC | Work Order:b | 22L0004b |
| Client:b | Tidewater, Inc.b | Project:b | NASA JPL Slb |
| Instrument ID:b | Saphirab | Calibration:b | 2253011b |
| Standard ID:b | 22L04480 | Sequence:b | SB04003b |

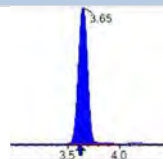
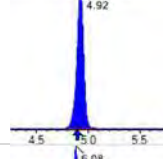
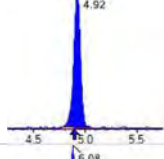
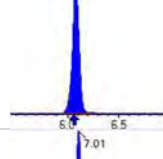
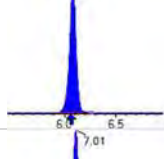
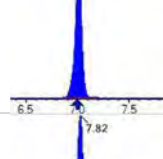
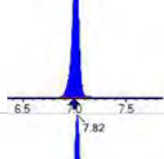
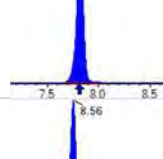
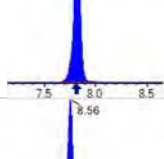
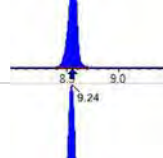
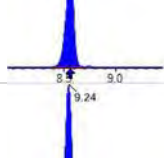
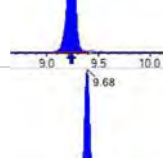
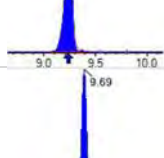
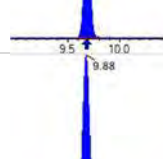
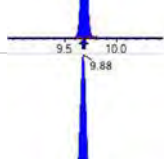
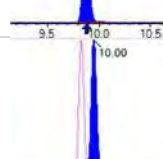
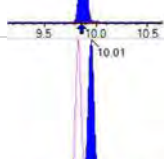
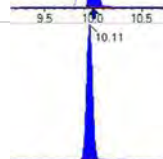
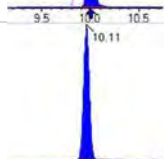
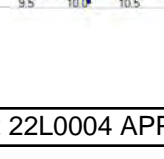
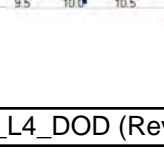
| Lab Sample ID | Analyte | True | Found | %R | Units | Control Limit |
|---------------|-----------|------|-------|------|-------|---------------|
| SB04003-CCV3b | PFBA | 20.0 | 20.3 | 102 | ng/mL | +/- 30.00% |
| | PFPE | 10.0 | 10.6 | 106 | ng/mL | +/- 30.00% |
| | PFHX | 5.00 | 4.91 | 98.2 | ng/mL | +/- 30.00% |
| | PFHP | 5.00 | 4.96 | 99.1 | ng/mL | +/- 30.00% |
| | PFO | 5.00 | 5.32 | 106 | ng/mL | +/- 30.00% |
| | PFNA | 5.00 | 4.87 | 97.3 | ng/mL | +/- 30.00% |
| | PFDA | 5.00 | 5.80 | 116 | ng/mL | +/- 30.00% |
| | PFUn | 5.00 | 4.74 | 94.9 | ng/mL | +/- 30.00% |
| | PFDO | 5.00 | 4.64 | 92.8 | ng/mL | +/- 30.00% |
| | PFTRDA | 5.00 | 5.04 | 101 | ng/mL | +/- 30.00% |
| | PFTEDA | 5.00 | 5.54 | 111 | ng/mL | +/- 30.00% |
| | PFBS | 4.42 | 4.64 | 105 | ng/mL | +/- 30.00% |
| | PFPEs | 4.70 | 5.11 | 109 | ng/mL | +/- 30.00% |
| | PFHXs | 4.58 | 4.85 | 106 | ng/mL | +/- 30.00% |
| | PFHPS | 4.78 | 4.71 | 98.6 | ng/mL | +/- 30.00% |
| | PFOS | 4.65 | 5.00 | 108 | ng/mL | +/- 30.00% |
| | PFNS | 4.80 | 4.98 | 104 | ng/mL | +/- 30.00% |
| | PFDS | 4.82 | 5.13 | 106 | ng/mL | +/- 30.00% |
| | 4:2FTS | 18.8 | 18.1 | 96.5 | ng/mL | +/- 30.00% |
| | 6:2FTS | 19.0 | 22.9 | 120 | ng/mL | +/- 30.00% |
| | 8:2FTS | 19.2 | 18.6 | 97.0 | ng/mL | +/- 30.00% |
| | PFOSAb | 5.00 | 5.42 | 108 | ng/mL | +/- 30.00% |
| | NMeFOSAb | 20.0 | 20.2 | 101 | ng/mL | +/- 30.00% |
| | NEtFOSAb | 20.0 | 20.5 | 102 | ng/mL | +/- 30.00% |
| | NMeFOSAAb | 5.00 | 5.43 | 109 | ng/mL | +/- 30.00% |
| | NEtFOSAAb | 5.00 | 4.76 | 95.1 | ng/mL | +/- 30.00% |
| | NMeFOSEb | 20.0 | 23.2 | 116 | ng/mL | +/- 30.00% |
| | NEtFOSEb | 20.0 | 20.8 | 104 | ng/mL | +/- 30.00% |
| | HFPO-DAb | 10.0 | 9.97 | 99.7 | ng/mL | +/- 30.00% |
| | ADONAb | 9.45 | 9.74 | 103 | ng/mL | +/- 30.00% |

INITIAL AND CONTINUING CALIBRATION CHECKb

Table B-15b

| | | | |
|-----------------|------------------|---------------|--------------|
| Laboratory:b | APPL, LLC | Work Order:b | 22L0004b |
| Client:b | Tidewater, Inc.b | Project:b | NASA JPL S1b |
| Instrument ID:b | Saphirab | Calibration:b | 2253011b |
| Standard ID:b | 22L04480 | Sequence:b | SB04003b |

| Lab Sample IDb | Analyteb | Trueb | Foundb | %Rb | Unitsb | Control Limitb |
|----------------|---------------|-------|--------|-------|--------|----------------|
| SB04003-CCV3b | 9CL-PF3ONSb | 9.35b | 9.25b | 98.9b | ng/mLb | +/- 30.00%b |
| | 11CL-PF3OUDSb | 9.45b | 10.3b | 109b | ng/mLb | +/- 30.00%b |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|---------|---|--|----------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| PFBA | (213.0 / 169.0) 3988837 | (3.65, 1.00) (0.00, N/A, 0.0) | 537.1 | N/A 0.0 0.0 | 20.3357 [20.0000] | 101.7% |  | | |
| PFPeA | (263.0 / 219.0) 3112435 (263.0 / 69.0) 33865 | (4.92, 1.00) (0.00, N/A, 0.1) | 574.3 320.0 | 0.0109 105.3 94.1 | 10.5715 [10.0000] | 105.7% |  |  | |
| PFHxA | (313.0 / 269.0) 2108085 (313.0 / 119.0) 191354 | (6.08, 1.00) (0.00, N/A, 0.0) | 540.0 525.1 | 0.0908 93.3 100.2 | 4.9119 [5.0000] | 98.2% |  |  | |
| PFHpA | (363.0 / 319.0) 1956023 (363.0 / 169.0) 544150 | (7.01, 1.00) (0.00, N/A, -0.1) | 499.8 491.1 | 0.2782 97.2 101.9 | 4.9560 [5.0000] | 99.1% |  |  | |
| PFOA | (413.0 / 369.0) 2121085 (413.0 / 169.0) 679013 | (7.82, 1.00) (0.00, N/A, 0.0) | 689.0 633.5 | 0.3201 105.4 104.8 | 5.3206 [5.0000] | 106.4% |  |  | |
| PFNA | (463.0 / 419.0) 1507854 (463.0 / 169.0) 339644 | (8.56, 1.00) (0.00, N/A, -0.1) | 499.7 496.7 | 0.2252 106.4 105.5 | 4.8656 [5.0000] | 97.3% |  |  | |
| PFDA | (513.0 / 469.0) 2290697 (513.0 / 169.0) 239461 | (9.24, 1.00) (0.00, N/A, 0.0) | 410.9 328.2 | 0.1045 113.4 109.7 | 5.8044 [5.0000] | 116.1% |  |  | |
| PFUnA | (563.0 / 519.0) 2567786 (563.0 / 169.0) 260338 | (9.68, 1.00) (0.00, N/A, -0.1) | 382.9 550.6 | 0.1014 131.8 105.5 | 4.7443 [5.0000] | 94.9% |  |  | |
| PFDoA | (613.0 / 569.0) 2529059 (613.0 / 169.0) 366797 | (9.88, 1.00) (0.00, N/A, 0.0) | 762.8 420.0 | 0.1450 107.7 113.3 | 4.6402 [5.0000] | 92.8% |  |  | |
| PFTrDA | (663.0 / 619.0) 2397447 (663.0 / 169.0) 518727 | (10.00, 1.01) (N/A, 0.01, -0.2) | 678.3 545.4 | 0.2164 99.3 118.5 | 5.0412 [5.0000] | 100.8% |  |  | |
| PFTeDA | (713.0 / 669.0) 2015212 (713.0 / 169.0) 469460 | (10.11, 1.00) (0.00, N/A, 0.0) | 910.4 459.9 | 0.2330 118.1 97.9 | 5.5443 [5.0000] | 110.9% |  |  | |

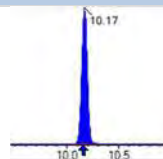
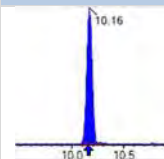
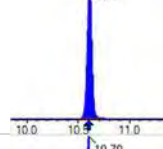
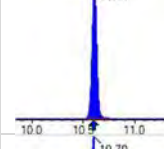
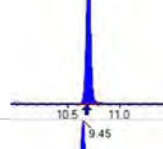
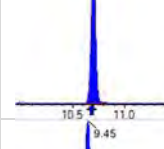
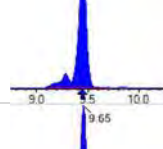
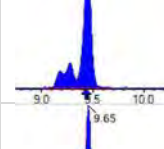
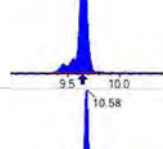
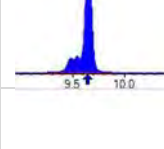
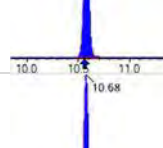
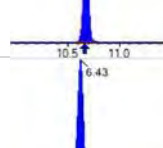
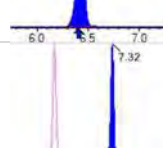
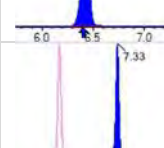
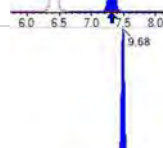
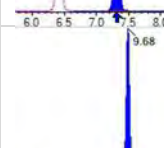
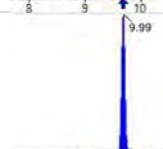
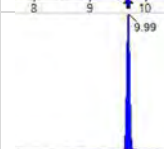
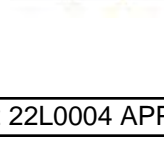
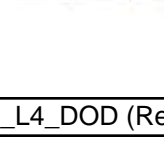


Chemist: HGH
 Instrument: Saphira
 Type: Sciex Q3 5500

Sample I.D.: SB04003-CCV3
 DF, IV: 1, 10.0µL
 Acquisition Method: 1633 2022-12-27.dam

Quant Method: 1633 - S2022-12-29A
 Path: S2022-12-30A (55)
 Acquired: 2022/12/30 - 15:38

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|---------|---|--|-----------------|-------------------------------------|---------------------------------|---------------------------|-----------------------|----------------------------|------|
| PFBS | (299.0 / 80.0) 2905032 (299.0 / 99.0) 1865694 | (6.02, 1.00) (0.00, N/A, 0.1) | 746.4 636.4 | 0.6422 97.7 100.2 | 4.6352 [4.4237] | 104.8% | | | |
| PFPeS | (349.0 / 80.0) 5023944 (349.0 / 99.0) 1765805 | (7.06, 0.89) (N/A, 0.02, 0.1) | 664.2 656.1 | 0.3515 94.8 99.1 | 5.1064 [4.6919] | 108.8% | | | |
| PFHxS | (399.0 / 80.0) 4199616 (399.0 / 99.0) 1388684 | (7.93, 1.00) (0.00, N/A, 0.0) | 697.4 790.5 | 0.3307 101.4 103.2 | 4.8464 [4.5549] | 106.4% | | | |
| PFHpS | (449.0 / 80.0) 3664649 (449.0 / 99.0) 1050402 | (8.70, 0.93) (N/A, 0.00, -0.1) | 504.9 550.2 | 0.2866 110.0 101.3 | 4.7145 [4.7570] | 99.1% | | | |
| PFOS | (499.0 / 80.0) 4477004 (499.0 / 99.0) 925755 | (9.38, 1.00) (0.00, N/A, -0.1) | 328.5 614.6 | 0.2068 99.4 90.6 | 5.0043 [4.6375] | 107.9% | | | |
| PFNS | (549.0 / 80.0) 5050956 (549.0 / 99.0) 1247347 | (9.74, 1.04) (N/A, 0.01, 0.0) | 660.3 797.2 | 0.2470 103.7 106.7 | 4.9807 [4.7994] | 103.8% | | | |
| PFDS | (599.0 / 80.0) 6293017 (599.0 / 99.0) 1323726 | (9.90, 1.06) (N/A, 0.01, 0.1) | 824.4 902.5 | 0.2103 80.0 111.1 | 5.1322 [4.8155] | 106.6% | | | |
| PFDoS | (699.0 / 80.0) 3218715 (699.0 / 99.0) 745515 | (10.10, 1.08) (N/A, 0.01, 0.0) | 1351.9 936.2 | 0.2316 118.1 128.2 | 5.5742 [4.8478] | 115.0% | | | |
| 4:2FTS | (327.0 / 307.0) 8345845 (327.0 / 81.0) 5665140 | (5.76, 1.00) (0.00, N/A, 0.2) | 716.9 747.4 | 0.6788 94.8 108.8 | 18.1382 [18.6906] | 97.0% | | | |
| 6:2FTS | (427.0 / 407.0) 5684936 (427.0 / 81.0) 4022334 | (7.49, 1.00) (0.00, N/A, 0.0) | 944.1 696.1 | 0.7075 95.7 101.7 | 22.8740 [18.9808] | 120.5% | | | |
| 8:2FTS | (527.0 / 507.0) 5042571 (527.0 / 81.0) 3844786 | (8.90, 1.00) (0.00, N/A, -0.3) | 454.6 548.0 | 0.7625 124.6 101.5 | 18.6257 [19.1658] | 97.2% | | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|--------------|---|--|------------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| PFOSA | (498.0 / 78.0) 5830591 (498.0 / 478.0) 108612 | (10.17, 1.00) (0.00, N/A, 0.1) | 1123.6 664.8 | 0.0186 89.2 90.3 | 5.4201 [5.0000] | 108.4% |  |  | |
| NMeFOSA | (512.0 / 219.0) 3708943 (512.0 / 169.0) 2666286 | (10.61, 1.00) (0.00, N/A, 0.1) | 1468.9 1071.5 | 0.7189 103.9 107.5 | 20.2365 [20.0000] | 101.2% |  |  | |
| NEIFOSA | (526.0 / 219.0) 3411338 (526.0 / 169.0) 3893703 | (10.70, 1.00) (0.00, N/A, 0.0) | 1181.1 1311.7 | 1.1414 115.0 105.8 | 20.4635 [20.0000] | 102.3% |  |  | |
| NMeFOSAA | (570.0 / 419.0) 1209663 (570.0 / 483.0) 593674 | (9.45, 1.00) (0.00, N/A, 0.1) | 443.4 341.7 | 0.4908 88.2 92.9 | 5.4250 [5.0000] | 108.5% |  |  | |
| NEIFOSAA | (584.0 / 419.0) 1035585 (584.0 / 526.0) 660160 | (9.65, 1.00) (0.01, N/A, 0.0) | 609.8 502.3 | 0.6375 107.5 96.8 | 4.7563 [5.0000] | 95.1% |  |  | |
| NMeFOSE | (616.0 / 59.0) 1225766 | (10.58, 1.00) (0.01, N/A, 0.0) | 993.9 | N/A 0.0 0.0 | 23.2239 [20.0000] | 116.1% |  | | |
| NEtFOSE | (630.0 / 59.0) 250559 | (10.68, 1.00) (0.01, N/A, 0.0) | 1146.0 | N/A 0.0 0.0 | 20.8178 [20.0000] | 104.1% |  | | |
| HFPO-DA | (285.0 / 169.0) 1583397 (285.0 / 185.0) 4242564 | (6.43, 1.00) (0.00, N/A, 0.0) | 791.4 654.4 | 2.6794 104.5 107.9 | 9.9661 [10.0000] | 99.7% |  |  | |
| ADONA | (377.0 / 85.0) 6165518 (377.0 / 251.0) 682118 | (7.32, 1.14) (N/A, 0.01, -0.1) | 690.9 510.4 | 0.1106 89.9 102.9 | 9.7381 [9.4270] | 103.3% |  |  | |
| 9CI-Pf3ONS | (531.0 / 351.0) 15991250 (533.0 / 353.0) 5133458 | (9.68, 1.51) (N/A, 0.01, 0.0) | 709.9 640.6 | 0.3210 101.6 107.7 | 9.2478 [9.3325] | 99.1% |  |  | |
| 11CI-PF3OUDS | (631.0 / 451.0) 10098608 (633.0 / 453.0) 3131628 | (9.99, 1.55) (N/A, 0.01, 0.1) | 627.2 967.6 | 0.3101 100.1 97.5 | 10.3186 [9.4321] | 109.4% |  |  | |

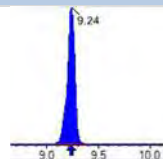
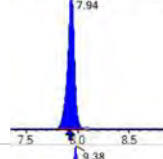
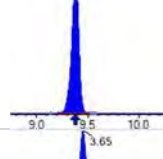
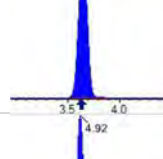
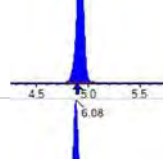
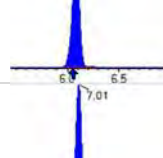
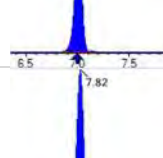
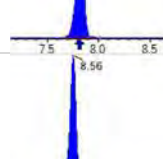
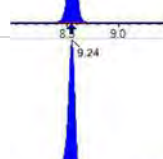
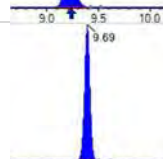
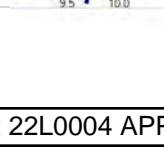


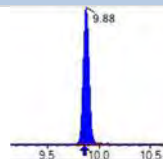
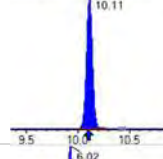
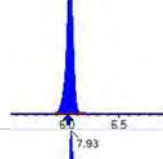
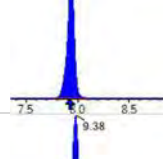
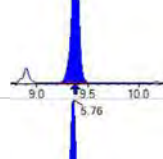
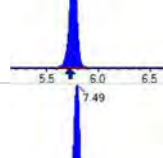
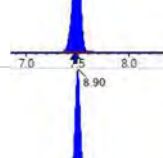
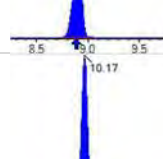
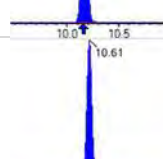
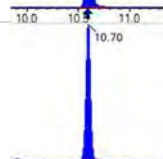
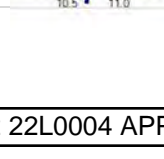
Chemist: HGH
 Instrument: Saphira
 Type: Sciex Q3 5500

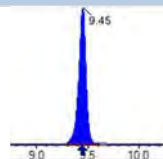
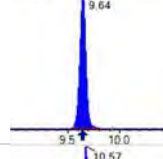
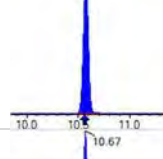
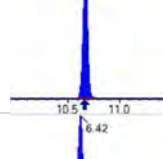
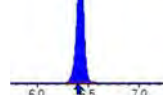
Sample I.D.: SB04003-CCV3
 DF, IV: 1, 10.0µL
 Acquisition Method: 1633 2022-12-27.dam

Quant Method: 1633 - S2022-12-29A
 Path: S2022-12-30A (55)
 Acquired: 2022/12/30 - 15:38

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT-CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|----------------|--|--|----------------|-------------------------------------|---------------------------------|---------------------------|-----------------------|----------------------------|------|
| 3:3FTCA | (241.0 / 177.0) 190960 (241.0 / 117.0) 248007 | (4.43, 0.90) (N/A, 0.03, 0.1) | 495.6 372.9 | 1.2987 98.7 98.4 | 18.8705 [20.0000] | 94.4% | | | |
| 5:3FTCA | (341.0 / 236.7) 1230382 (341.0 / 217.0) 2001843 | (6.72, 1.10) (N/A, 0.02, 0.1) | 511.6 588.2 | 1.6270 90.7 105.0 | 18.7300 [20.0000] | 93.6% | | | |
| 7:3FTCA | (441.0 / 317.0) 1436112 (441.0 / 337.0) 1241135 | (8.53, 1.40) (N/A, 0.01, 0.1) | 442.1 480.0 | 0.8642 104.8 102.1 | 16.7825 [20.0000] | 83.9% | | | |
| PFEESA | (315.0 / 135.0) 3421584 (315.0 / 83.0) 1027324 | (6.52, 1.07) (N/A, 0.02, 0.1) | 709.0 843.1 | 0.3002 98.4 107.6 | 8.6831 [8.9246] | 97.3% | | | |
| PFMPA | (229.0 / 85.0) 767468 | (4.13, 0.84) (N/A, 0.03, 0.0) | 879.5 | N/A 0.0 0.0 | 8.9257 [10.0000] | 89.3% | | | |
| PFMBA | (279.0 / 85.0) 2403823 | (5.31, 1.08) (N/A, 0.03, 0.0) | 664.9 | N/A 0.0 0.0 | 9.8035 [10.0000] | 98.0% | | | |
| NFDHA | (295.0 / 201.0) 1980442 (295.0 / 85.0) 1748989 | (5.96, 0.98) (N/A, 0.03, 0.1) | 589.8 598.9 | 0.8831 102.8 96.2 | 9.4012 [10.0000] | 94.0% | | | |
| 13C3_PFBa_IIS | (216.0 / 172.0) 215760 | (3.65, N/A) (N/A, 0.03, N/A) | 676.3 | N/A | 1.0019 [1.0000] | 100.2% { 91.5% } | | | |
| 13C2_PFHxA_IIS | (315.0 / 270.0) 399925 | (6.08, N/A) (N/A, 0.02, N/A) | 517.7 | N/A | 1.0535 [1.0000] | 105.4% { 96.9% } | | | |
| 13C4_PFOA_IIS | (417.0 / 372.0) 384826 | (7.82, N/A) (N/A, 0.01, N/A) | 556.4 | N/A | 1.0661 [1.0000] | 106.6% { 97.9% } | | | |
| 13C5_PFNAl_IIS | (468.0 / 423.0) 340675 | (8.56, N/A) (N/A, 0.01, N/A) | 462.2 | N/A | 1.1585 [1.0000] | 115.9% { 106.2% } | | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|----------------|------------------------------|--|-------|-------------------------------------|---------------------------------|---------------------------|---|----------------------------|------|
| 13C2_PFDA_IIS | (515.0 / 470.1) 372160 | (9.24, N/A) (N/A, 0.01, N/A) | 407.3 | N/A | 1.0925 [1.0000] | 109.3% { 105.6% } |  | | |
| 18O2_PFHxS_IIS | (403.0 / 83.9) 612764 | (7.94, N/A) (N/A, 0.01, N/A) | 550.4 | N/A | 1.0127 [1.0000] | 101.3% { 97.3% } |  | | |
| 13C4_PFOS_IIS | (503.0 / 79.9) 621922 | (9.38, N/A) (N/A, 0.01, N/A) | 380.9 | N/A | 0.9645 [1.0000] | 96.5% { 95.1% } |  | | |
| 13C4_PFBA_EIS | (217.0 / 172.0) 1679499 | (3.65, N/A) (N/A, 0.03, N/A) | 704.0 | N/A | 7.7533 [8.0000] | 96.9% { 90.2% } |  | | |
| 13C5_PFPeA_EIS | (268.0 / 223.0) 1240255 | (4.92, N/A) (N/A, 0.03, N/A) | 643.7 | N/A | 4.1106 [4.0000] | 102.8% { 95.1% } |  | | |
| 13C5_PFHxA_EIS | (318.0 / 273.0) 864995 | (6.08, N/A) (N/A, 0.03, N/A) | 488.4 | N/A | 2.1136 [2.0000] | 105.7% { 106.7% } |  | | |
| 13C4_PFHpA_EIS | (367.0 / 322.0) 753283 | (7.01, N/A) (N/A, 0.02, N/A) | 539.4 | N/A | 2.1188 [2.0000] | 105.9% { 101.0% } |  | | |
| 13C8_PFOA_EIS | (421.0 / 376.0) 748459 | (7.82, N/A) (N/A, 0.01, N/A) | 697.3 | N/A | 1.9009 [2.0000] | 95.0% { 94.6% } |  | | |
| 13C9_PFNA_EIS | (472.0 / 427.0) 321093 | (8.56, N/A) (N/A, 0.01, N/A) | 523.0 | N/A | 0.9071 [1.0000] | 90.7% { 97.8% } |  | | |
| 13C6_PFDA_EIS | (519.0 / 474.0) 397970 | (9.24, N/A) (N/A, 0.01, N/A) | 439.1 | N/A | 0.8853 [1.0000] | 88.5% { 89.7% } |  | | |
| 13C7_PFUnA_EIS | (570.0 / 525.0) 593067 | (9.69, N/A) (N/A, 0.01, N/A) | 635.7 | N/A | 1.0728 [1.0000] | 107.3% { 123.3% } |  | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|-----------------|------------------------------|--|--------|-------------------------------------|---------------------------------|---------------------------|---|----------------------------|------|
| 13C2_PFDa_EIS | (615.0 / 570.0) 568716 | (9.88, N/A) (N/A, 0.01, N/A) | 422.3 | N/A | 1.0309 [1.0000] | 103.1% { 98.9% } |  | | |
| 13C2_PFTeDA_EIS | (715.0 / 670.0) 359317 | (10.11, N/A) (N/A, 0.01, N/A) | 2310.2 | N/A | 1.0279 [1.0000] | 102.8% { 88.2% } |  | | |
| 13C3_PFBs_EIS | (302.0 / 80.0) 1964832 | (6.02, N/A) (N/A, 0.03, N/A) | 641.2 | N/A | 2.1187 [2.0000] | 105.9% { 96.7% } |  | | |
| 13C3_PFHxS_EIS | (402.0 / 80.0) 1000584 | (7.93, N/A) (N/A, 0.01, N/A) | 853.1 | N/A | 1.9926 [2.0000] | 99.6% { 100.5% } |  | | |
| 13C8_PFOS_EIS | (507.0 / 80.0) 1536565 | (9.38, N/A) (N/A, 0.00, N/A) | 135.7 | N/A | 2.0502 [2.0000] | 102.5% { 102.0% } |  | | |
| 13C2_4:2FTS_EIS | (329.0 / 81.0) 541256 | (5.76, N/A) (N/A, 0.03, N/A) | 778.8 | N/A | 5.1659 [4.0000] | 129.1% { 104.2% } |  | | |
| 13C2_6:2FTS_EIS | (429.0 / 81.0) 619195 | (7.49, N/A) (N/A, 0.02, N/A) | 609.5 | N/A | 4.4665 [4.0000] | 111.7% { 87.2% } |  | | |
| 13C2_8:2FTS_EIS | (529.0 / 81.0) 694243 | (8.90, N/A) (N/A, 0.01, N/A) | 474.1 | N/A | 3.9728 [4.0000] | 99.3% { 113.4% } |  | | |
| 13C8_PFOsa_EIS | (506.0 / 78.0) 1855192 | (10.17, N/A) (N/A, 0.01, N/A) | 753.5 | N/A | 2.1208 [2.0000] | 106.0% { 90.6% } |  | | |
| D3_NMeFOSA_EIS | (515.0 / 169.0) 377350 | (10.61, N/A) (N/A, 0.01, N/A) | 835.1 | N/A | 2.2811 [2.0000] | 114.1% { 94.9% } |  | | |
| D5_NEtFOSA_EIS | (531.0 / 169.0) 336130 | (10.70, N/A) (N/A, 0.01, N/A) | 631.1 | N/A | 2.2184 [2.0000] | 110.9% { 91.0% } |  | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-I[μ min], Δ RT- CV[μ min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|-----------------|------------------------------|---|--------|-------------------------------------|---------------------------------|---------------------------|--|----------------------------|------|
| D3_MeFOSAA_EIS | (573.0 / 419.0) 982875 | (9.45, N/A) (N/A, 0.01, N/A) | 313.2 | N/A | 4.1680 [4.0000] | 104.2% { 98.6% } |  | | |
| D5_EtFOSAA_EIS | (589.0 / 419.0) 883463 | (9.64, N/A) (N/A, 0.01, N/A) | 146.6 | N/A | 4.7120 [4.0000] | 117.8% { 102.4% } |  | | |
| D7_NMeFOSE_EIS | (623.0 / 58.9) 864600 | (10.57, N/A) (N/A, 0.01, N/A) | 1286.7 | N/A | 23.9227 [20.0000] | 119.6% { 94.1% } |  | | |
| D9_NEtFOSE_EIS | (639.0 / 58.9) 443321 | (10.67, N/A) (N/A, 0.01, N/A) | 1468.3 | N/A | 26.6006 [20.0000] | 133.0% { 93.1% } |  | | |
| 13C3_HFPODA_EIS | (287.0 / 169.0) 1831030 | (6.42, N/A) (N/A, 0.02, N/A) | 760.3 | N/A | 7.9979 [8.0000] | 100.0% { 100.5% } |  | | |

ANALYSIS SEQUENCE BLANKSN

Laboratory:N APPL, L CL SDG:N
 Client:N Tidewater, Inc.L Project:N NASA JPL SIL
 Sequence:N SB03724L Instrument:N Saphira
 Calibration:N 2250016L

| Lab Sample IDN | AnalyteN | FoundN | UnitsN | RLN | CN |
|----------------|---------------|--------|--------|-----|----|
| SB03724-ICB1 0 | PFBA0 | .0 | ng/mL | .40 | U |
| | PFPEA0 | .0 | ng/mL | .20 | U |
| | PFHXA0 | .0 | ng/mL | .10 | U |
| | PFHPA0 | .0 | ng/mL | .10 | U |
| | PFOA0 | .0 | ng/mL | .10 | U |
| | PFNA0 | .0 | ng/mL | .10 | U |
| | PFDA0 | .0 | ng/mL | .10 | U |
| | PFUnA0 | .0 | ng/mL | .10 | U |
| | PFDOA0 | .0 | ng/mL | .10 | U |
| | PFTRDA0 | .0 | ng/mL | .10 | U |
| | PFTEDA0 | .02790 | ng/mL | .10 | U |
| | PFBS0 | .0 | ng/mL | .10 | U |
| | PFPE0 | .0 | ng/mL | .10 | U |
| | PFHXS0 | .0 | ng/mL | .10 | U |
| | PFHPS0 | .0 | ng/mL | .10 | U |
| | PFOS0 | .0 | ng/mL | .10 | U |
| | PFNS0 | .0 | ng/mL | .10 | U |
| | PFDS0 | .0 | ng/mL | .10 | U |
| | 4:2FTS0 | .0 | ng/mL | .40 | U |
| | 6:2FTS0 | .0 | ng/mL | .40 | U |
| | 8:2FTS0 | .0 | ng/mL | .40 | U |
| | PFOSA0 | .01350 | ng/mL | .40 | U |
| | NMeFOSA0 | .0 | ng/mL | .40 | U |
| | NEtFOSA0 | .0 | ng/mL | .40 | U |
| | NMeFOSAA0 | .0 | ng/mL | .10 | U |
| | NEtFOSAA0 | .01510 | ng/mL | .10 | U |
| | NMeFOSE0 | .08240 | ng/mL | .40 | U |
| | NEtFOSE0 | .09470 | ng/mL | .40 | U |
| | HFPO-DA0 | .0 | ng/mL | .20 | U |
| | ADONA0 | .0 | ng/mL | .20 | U |
| | 9CL-PF3ONS0 | .0 | ng/mL | .20 | U |
| | 11CL-PF3OUDS0 | .0 | ng/mL | .20 | U |
| | 13C4-PFBA0 | 8.470 | ng/mL | | |

ANALYSIS SEQUENCE BLANKSN

| | | | |
|---------------|------------------|--------------|--------------|
| Laboratory:N | APPL, L CL | SDG:N | |
| Client:N | Tidewater, Inc.L | Project:N | NASA JPL SIL |
| Sequence:N | SB03724L | Instrument:N | SaphiraL |
| Calibration:N | 2250016L | | |

| Lab Sample IDN | AnalyteN | FoundN | UnitsN | RLN | CN |
|----------------|---------------|--------|--------|-----|----|
| SB03724-ICB10 | 13C5-PFPEA0 | 4.230 | ng/mL | | |
| | 13C5-PFHXA0 | 2.090 | ng/mL | | |
| | 13C4-PFHPA0 | 2.050 | ng/mL | | |
| | 13C8-PFOA0 | 2.210 | ng/mL | | |
| | 13C9-PFNA0 | 1.060 | ng/mL | | |
| | 13C6-PFDA | 0.960 | ng/mL | | |
| | 13C7-PFUnA0 | 1.20 | ng/mL | | |
| | 13C2-PFDOA0 | 1.170 | ng/mL | | |
| | 13C2-PFTEDA0 | 1.050 | ng/mL | | |
| | 13C3-PFBS0 | 2.070 | ng/mL | | |
| | 13C3-PFHXS0 | 2.050 | ng/mL | | |
| | 13C8-PFOS0 | 2.040 | ng/mL | | |
| | 13C2-4:2FTS0 | 3.950 | ng/mL | | |
| | 13C2-6:2FTS0 | 3.920 | ng/mL | | |
| | 13C2-8:2FTS0 | 4.350 | ng/mL | | |
| | 13C8-PFOSA0 | 2.040 | ng/mL | | |
| | D3-NMEFOSA0 | 2.040 | ng/mL | | |
| | D5-NETFOSA0 | 2.180 | ng/mL | | |
| | D3-NMEFOSAA0 | 4.110 | ng/mL | | |
| | D5-NETFOSAA0 | 3.790 | ng/mL | | |
| | D7-NMEFOSE0 | 21.80 | ng/mL | | |
| | D9-NETFOSSE0 | 21.30 | ng/mL | | |
| | 13C3-HFPO-DA0 | 8.780 | ng/mL | | |



Chemist: ABK
 Instrument: Saphira
 Type: Sciex Q3 5500

Sample I.D.: SB03724-ICB1
 DF, IV: 1, 10.0µL
 Acquisition Method: 1633 2022-12-07.dam

Quant Method: 1633 - 2022-12-07
 Path: S2022-12-07A21.wif- 0
 Acquired: 2022/12/07 - 15:53

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (ΔRT-[min], ΔRT- CV[min], ΔRT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|---------|--|---|--------------|-------------------------------------|---------------------------------|---------------------------|-----------------------|----------------------------|------|
| PFBA | (212.9 / 169.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFPeA | (262.9 / 219.0) N/A (262.9 / 69.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFHxA | (313.0 / 269.0) N/A (313.0 / 119.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFHpA | (363.0 / 319.0) N/A (363.0 / 169.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFOA | (413.0 / 369.0) N/A (413.0 / 169.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFNA | (463.0 / 419.0) N/A (463.0 / 169.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFDA | (513.0 / 469.0) N/A (513.0 / 169.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFUnA | (563.0 / 519.0) N/A (563.0 / 169.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFDoA | (613.0 / 569.0) N/A (613.0 / 169.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFTrDA | (663.0 / 619.0) N/A (663.0 / 169.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFTeDA | (713.0 / 669.0) 3867 (713.0 / 169.0) 1009 | (10.17, 1.00) (-0.01, N/A, -1.6) | 38.3 25.7 | 0.2610 132.6 132.6 | 0.0279 | N/A | | | |



Chemist: ABK
Instrument: Saphira
Type: Sciex Q3 5500

Sample I.D.: SB03724-ICB1
DF, IV: 1, 10.0µL
Acquisition Method: 1633 2022-12-07.dam

Quant Method: 1633 - 2022-12-07
Path: S2022-12-07A21.wiff-0
Acquired: 2022/12/07 - 15:53

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (ΔRT-[min], ΔRT-CV[min], ΔRT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|---------|---|---|------------|-------------------------------------|---------------------------------|---------------------------|-----------------------|----------------------------|------|
| PFBS | (298.9 / 80.0) N/A (298.9 / 99.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFPeS | (349.0 / 80.0) N/A (349.0 / 99.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFHxS | (399.0 / 80.0) N/A (399.0 / 99.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFHpS | (449.0 / 80.0) N/A (449.0 / 99.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFOS | (499.0 / 80.0) N/A (499.0 / 99.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFNS | (549.0 / 80.0) N/A (549.0 / 99.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFDS | (599.0 / 80.0) N/A (599.0 / 99.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFDoS | (698.9 / 80.0) N/A (698.9 / 99.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| 4:2FTS | (327.0 / 307.0) N/A (327.0 / 81.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| 6:2FTS | (427.0 / 407.0) N/A (427.0 / 81.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| 8:2FTS | (527.0 / 507.0) N/A (527.0 / 81.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |

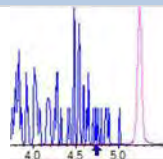
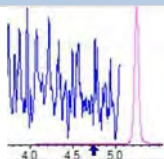
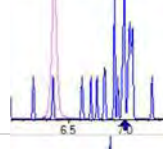
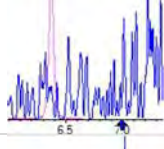
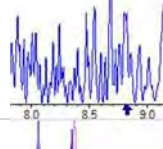
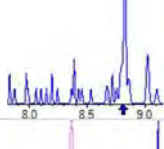
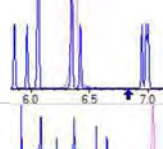
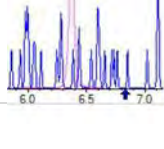
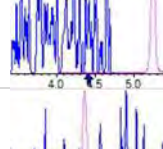
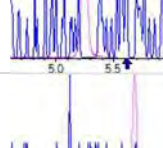
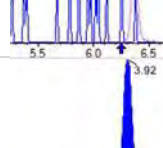
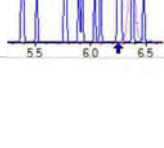
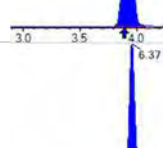
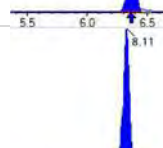
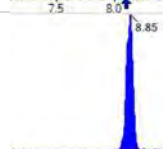
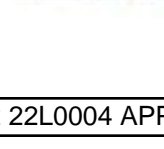


Chemist: ABK
Instrument: Saphira
Type: Sciex Q3 5500

Sample I.D.: SB03724-ICB1
DF, IV: 1, 10.0µL
Acquisition Method: 1633 2022-12-07.dam

Quant Method: 1633 - 2022-12-07
Path: S2022-12-07A21.wif- 0
Acquired: 2022/12/07 - 15:53

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (ΔRT-[min], ΔRT- CV[min], ΔRT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|--------------|---|---|----------------|-------------------------------------|---------------------------------|---------------------------|-----------------------|----------------------------|------|
| PFOSA | (498.0 / 78.0) 6522 (498.0 / 478.0) N/A | (10.24 , 1.00) (0.01 , N/A , #Value) | 18.2 N/A | N/A 0.0 0.0 | 0.0135 | N/A | | | |
| NMeFOSA | (511.9 / 219.0) N/A (511.9 / 169.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| NEFOSA | (526.0 / 219.0) N/A (526.0 / 169.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| NMeFOSAA | (570.0 / 419.0) N/A (570.0 / 483.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| NEFOSAA | (584.0 / 419.0) 700 (584.0 / 526.0) 1387 | (9.79 , 1.00) (0.02 , N/A , 2.1) | 540.2 465.8 | 1.9824 326.7 326.7 | 0.0151 | N/A | | | IR2, |
| NMeFOSE | (616.1 / 59.0) 2715 | (10.61 , 1.00) (0.00 , N/A , 0.0) | 36.5 | N/A 0.0 0.0 | 0.0824 | N/A | | | |
| NEtFOSE | (630.0 / 59.0) 757 | (10.71 , 1.00) (0.01 , N/A , 0.0) | 42.9 | N/A 0.0 0.0 | 0.0947 | N/A | | | |
| HFPO-DA | (285.0 / 169.0) N/A (285.0 / 185.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| ADONA | (377.0 / 85.0) N/A (377.0 / 251.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| 9CI-Pf3ONS | (531.0 / 351.0) N/A (533.0 / 353.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| 11CI-PF3OUDS | (631.0 / 451.0) N/A (633.0 / 453.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|----------------|--|--|------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| 3:3FTCA | (241.0 / 177.0) N/A (241.0 / 117.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A |  |  | |
| 5:3FTCA | (341.0 / 236.7) N/A (341.0 / 217.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A |  |  | |
| 7:3FTCA | (441.0 / 317.0) N/A (441.0 / 337.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A |  |  | |
| PFEESA | (315.0 / 135.0) N/A (315.0 / 83.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A |  |  | |
| PFMPA | (229.0 / 85.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A | N/A 0.0 0.0 | 0.0000 | N/A |  | | |
| PFMBA | (279.0 / 85.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A | N/A 0.0 0.0 | 0.0000 | N/A |  | | |
| NFDHA | (201.0 / 85.0) N/A (295.0 / 201.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A |  |  | |
| 13C3_PFBA_IIS | (216.0 / 172.0) 84862 | (3.92, N/A) (N/A, 0.02, N/A) | 1693.9 | N/A | 0.8828 [1.0000] | 88.3% { 83.1% } |  | | |
| 13C2_PFHxA_IIS | (315.1 / 270.0) 111696 | (6.37, N/A) (N/A, 0.01, N/A) | 1206.7 | N/A | 0.9045 [1.0000] | 90.5% { 90.2% } |  | | |
| 13C4_PFOA_IIS | (417.0 / 372.0) 103375 | (8.11, N/A) (N/A, 0.01, N/A) | 961.8 | N/A | 0.8720 [1.0000] | 87.2% { 91.8% } |  | | |
| 13C5_PFNA_IIS | (468.0 / 423.0) 81151 | (8.85, N/A) (N/A, 0.01, N/A) | 348.3 | N/A | 0.8521 [1.0000] | 85.2% { 79.0% } |  | | |

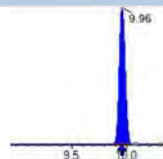
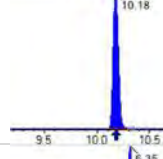
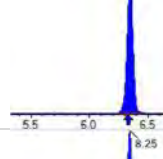
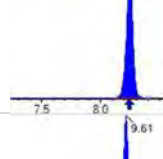
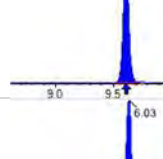
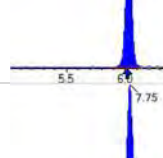
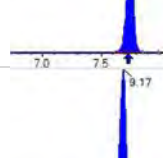
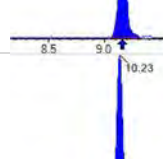
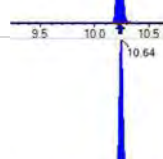
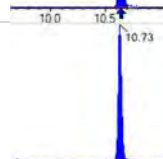
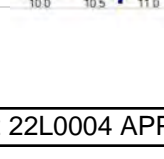


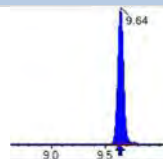
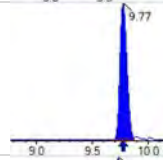
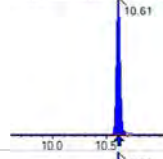
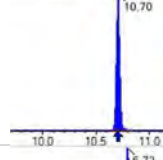
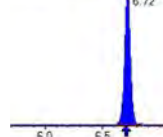
Chemist: ABK
 Instrument: Saphira
 Type: Sciex Q3 5500

Sample I.D.: SB03724-ICB1
 DF, IV: 1, 10.0µL
 Acquisition Method: 1633 2022-12-07.dam

Quant Method: 1633 - 2022-12-07
 Path: S2022-12-07A21.wiff- 0
 Acquired: 2022/12/07 - 15:53

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (ΔRT-I[min], ΔRT-CV[min], ΔRT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|----------------|------------------------------|--|--------|-------------------------------------|---------------------------------|---------------------------|-----------------------|----------------------------|------|
| 13C2_PFDA_IIS | (515.1 / 470.1) 76991 | (9.50, N/A) (N/A, 0.01, N/A) | 147.4 | N/A | 0.9345 [1.0000] | 93.5% { 87.0% } | | | |
| 18O2_PFHxS_IIS | (403.0 / 83.9) 199676 | (8.25, N/A) (N/A, 0.01, N/A) | 1476.2 | N/A | 0.9303 [1.0000] | 93.0% { 90.3% } | | | |
| 13C4_PFOS_IIS | (502.8 / 79.9) 182797 | (9.61, N/A) (N/A, 0.01, N/A) | 1064.1 | N/A | 0.9821 [1.0000] | 98.2% { 90.1% } | | | |
| 13C4_PFBA_EIS | (217.0 / 172.0) 674000 | (3.92, N/A) (N/A, 0.02, N/A) | 3124.5 | N/A | 8.4715 [8.0000] | 105.9% { 86.0% } | | | |
| 13C5_PFPeA_EIS | (267.9 / 223.0) 344779 | (5.25, N/A) (N/A, 0.02, N/A) | 2487.2 | N/A | 4.2316 [4.0000] | 105.8% { 92.7% } | | | |
| 13C5_PFHxA_EIS | (318.0 / 273.0) 238218 | (6.37, N/A) (N/A, 0.01, N/A) | 1572.8 | N/A | 2.0909 [2.0000] | 104.5% { 89.8% } | | | |
| 13C4_PFHpA_EIS | (367.0 / 322.0) 210968 | (7.29, N/A) (N/A, 0.01, N/A) | 1142.9 | N/A | 2.0515 [2.0000] | 102.6% { 93.0% } | | | |
| 13C8_PFOA_EIS | (421.0 / 376.0) 232369 | (8.10, N/A) (N/A, 0.01, N/A) | 999.2 | N/A | 2.2100 [2.0000] | 110.5% { 91.7% } | | | |
| 13C9_PFNA_EIS | (472.0 / 427.0) 84497 | (8.85, N/A) (N/A, 0.01, N/A) | 575.1 | N/A | 1.0551 [1.0000] | 105.5% { 92.0% } | | | |
| 13C6_PFDA_EIS | (519.0 / 474.0) 107409 | (9.50, N/A) (N/A, 0.01, N/A) | 1896.7 | N/A | 0.9604 [1.0000] | 96.0% { 87.1% } | | | |
| 13C7_PFUnA_EIS | (570.0 / 525.0) 179839 | (9.80, N/A) (N/A, 0.00, N/A) | 548.7 | N/A | 1.1980 [1.0000] | 119.8% { 108.8% } | | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-I[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|-----------------|------------------------------|---|--------|-------------------------------------|---------------------------------|---------------------------|---|----------------------------|------|
| 13C2_PFDa_EIS | (615.0 / 570.0) 213076 | (9.96, N/A) (N/A, 0.00, N/A) | 668.9 | N/A | 1.1696 [1.0000] | 117.0% { 92.5% } |  | | |
| 13C2_PFTeDA_EIS | (715.0 / 670.0) 140516 | (10.18, N/A) (N/A, 0.00, N/A) | 440.8 | N/A | 1.0507 [1.0000] | 105.1% { 94.4% } |  | | |
| 13C3_PFBs_EIS | (302.0 / 80.0) 607740 | (6.35, N/A) (N/A, 0.01, N/A) | 2491.5 | N/A | 2.0710 [2.0000] | 103.5% { 94.1% } |  | | |
| 13C3_PFHxS_EIS | (402.0 / 80.0) 342458 | (8.25, N/A) (N/A, 0.01, N/A) | 1464.0 | N/A | 2.0501 [2.0000] | 102.5% { 92.6% } |  | | |
| 13C8_PFOS_EIS | (507.0 / 80.0) 568776 | (9.61, N/A) (N/A, 0.01, N/A) | 1090.7 | N/A | 2.0411 [2.0000] | 102.1% { 92.3% } |  | | |
| 13C2_4:2FTS_EIS | (329.0 / 81.0) 65432 | (6.03, N/A) (N/A, 0.01, N/A) | 693.0 | N/A | 3.9534 [4.0000] | 98.8% { 90.5% } |  | | |
| 13C2_6:2FTS_EIS | (429.0 / 81.0) 87103 | (7.75, N/A) (N/A, 0.01, N/A) | 1132.8 | N/A | 3.9227 [4.0000] | 98.1% { 91.8% } |  | | |
| 13C2_8:2FTS_EIS | (529.0 / 81.0) 83786 | (9.17, N/A) (N/A, 0.01, N/A) | 566.3 | N/A | 4.3473 [4.0000] | 108.7% { 94.6% } |  | | |
| 13C8_PFOsa_EIS | (506.0 / 78.0) 868881 | (10.23, N/A) (N/A, 0.01, N/A) | 1049.5 | N/A | 2.0425 [2.0000] | 102.1% { 97.3% } |  | | |
| D3_NMeFOsa_EIS | (515.0 / 169.0) 257174 | (10.64, N/A) (N/A, 0.00, N/A) | 945.5 | N/A | 2.0429 [2.0000] | 102.1% { 98.9% } |  | | |
| D5_NeIFOSA_EIS | (531.1 / 169.0) 248544 | (10.73, N/A) (N/A, 0.00, N/A) | 1775.5 | N/A | 2.1775 [2.0000] | 108.9% { 102.5% } |  | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-I[μ min], Δ RT- CV[μ min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|-----------------|------------------------------|---|--------|-------------------------------------|---------------------------------|---------------------------|--|----------------------------|------|
| D3_MeFOSAA_EIS | (573.0 / 419.0) 254775 | (9.64, N/A) (N/A, 0.01, N/A) | 1002.2 | N/A | 4.1095 [4.0000] | 102.7% { 93.3% } |  | | |
| D5_EtFOSAA_EIS | (589.0 / 419.0) 202193 | (9.77, N/A) (N/A, 0.00, N/A) | 642.4 | N/A | 3.7945 [4.0000] | 94.9% { 87.6% } |  | | |
| D7_NMeFOSE_EIS | (623.2 / 58.9) 468469 | (10.61, N/A) (N/A, 0.00, N/A) | 1898.9 | N/A | 21.7875 [20.0000] | 108.9% { 102.9% } |  | | |
| D9_NEtFOSE_EIS | (639.2 / 58.9) 233543 | (10.70, N/A) (N/A, 0.01, N/A) | 2868.6 | N/A | 21.3171 [20.0000] | 106.6% { 98.3% } |  | | |
| 13C3_HFPODA_EIS | (287.0 / 169.0) 659030 | (6.72, N/A) (N/A, 0.01, N/A) | 1491.7 | N/A | 8.7830 [8.0000] | 109.8% { 98.1% } |  | | |

ANALYSIS SEQUENCE BLANKSN

Laboratory:N APPL, L CL SDG:N
 Client:N Tidewater, Inc.L Project:N NASA JPL SIL
 Sequence:N SB03769L Instrument:N Saphira
 Calibration:N 2250016L

| Lab Sample IDN | AnalyteN | FoundN | UnitsN | RLN | CN |
|----------------|---------------|--------|--------|-----|----|
| SB03769-CCB1 0 | PFBA0 | .0 | ng/mL0 | .50 | U |
| | PFPEA0 | .0 | ng/mL0 | .50 | U |
| | PFHXA0 | .0 | ng/mL0 | .50 | U |
| | PFHPA0 | .0 | ng/mL0 | .50 | U |
| | PFOA0 | .0 | ng/mL0 | .50 | U |
| | PFNA0 | .0 | ng/mL0 | .50 | U |
| | PFDA0 | .0 | ng/mL0 | .50 | U |
| | PFUnA0 | .0 | ng/mL0 | .50 | U |
| | PFDOA0 | .0 | ng/mL0 | .50 | U |
| | PFTRDA0 | .0 | ng/mL0 | .50 | U |
| | PFTEDA0 | .0 | ng/mL0 | .50 | U |
| | PFBS0 | .0 | ng/mL0 | .50 | U |
| | PFPE0 | .0 | ng/mL0 | .50 | U |
| | PFHXS0 | .0 | ng/mL0 | .50 | U |
| | PFHPS0 | .0 | ng/mL0 | .50 | U |
| | PFOS0 | .0 | ng/mL0 | .50 | U |
| | PFNS0 | .0 | ng/mL0 | .50 | U |
| | PFDS0 | .0 | ng/mL0 | .50 | U |
| | 4:2FTS0 | .0 | ng/mL0 | .50 | U |
| | 6:2FTS0 | .0 | ng/mL0 | .50 | U |
| | 8:2FTS0 | .0 | ng/mL0 | .50 | U |
| | PFOSA0 | .0 | ng/mL0 | .50 | U |
| | NMeFOSA0 | .0 | ng/mL0 | .50 | U |
| | NEtFOSA0 | .0 | ng/mL0 | .50 | U |
| | NMeFOSAA0 | .0 | ng/mL0 | .50 | U |
| | NEtFOSAA0 | .0 | ng/mL0 | .50 | U |
| | NMeFOSE0 | .0 | ng/mL0 | .50 | U |
| | NEtFOSE0 | .0 | ng/mL0 | .50 | U |
| | HFPO-DA0 | .0 | ng/mL0 | .50 | U |
| | ADONA0 | .0 | ng/mL0 | .50 | U |
| | 9CL-PF3ONS0 | .0 | ng/mL0 | .50 | U |
| | 11CL-PF3OUDS0 | .0 | ng/mL0 | .50 | U |
| | 13C4-PFBA0 | 8.20 | ng/mL0 | | |

ANALYSIS SEQUENCE BLANKS

| | | | |
|---------------|------------------|--------------|--------------|
| Laboratory:N | APPL, L CL | SDG:N | |
| Client:N | Tidewater, Inc.L | Project:N | NASA JPL SIL |
| Sequence:N | SB03769L | Instrument:N | SaphiraL |
| Calibration:N | 2250016L | | |

| Lab Sample IDN | AnalyteN | FoundN | UnitsN | RLN | CN |
|----------------|---------------|--------|--------|-----|----|
| SB03769-CCB10 | 13C5-PFPEA0 | 3.620 | ng/mL0 | | |
| | 13C5-PFHXA0 | 2.080 | ng/mL0 | | |
| | 13C4-PFHPA0 | 1.980 | ng/mL0 | | |
| | 13C8-PFOA0 | 1.890 | ng/mL0 | | |
| | 13C9-PFNA | 0.8720 | ng/mL0 | | |
| | 13C6-PFDA | 0.9990 | ng/mL0 | | |
| | 13C7-PFUnA | 0.9890 | ng/mL0 | | |
| | 13C2-PFDOA | 0.9180 | ng/mL0 | | |
| | 13C2-PFTEDA | 0.9320 | ng/mL0 | | |
| | 13C3-PFBS0 | 1.860 | ng/mL0 | | |
| | 13C3-PFHXS0 | 1.660 | ng/mL0 | | |
| | 13C8-PFOS0 | 2.310 | ng/mL0 | | |
| | 13C2-4:2FTS0 | 3.560 | ng/mL0 | | |
| | 13C2-6:2FTS0 | 3.560 | ng/mL0 | | |
| | 13C2-8:2FTS0 | 4.020 | ng/mL0 | | |
| | 13C8-PFOSA0 | 2.160 | ng/mL0 | | |
| | D3-NMEFOSA0 | 2.160 | ng/mL0 | | |
| | D5-NETFOSA0 | 2.150 | ng/mL0 | | |
| | D3-NMEFOSAA0 | 4.420 | ng/mL0 | | |
| | D5-NETFOSAA0 | 5.320 | ng/mL0 | | |
| | D7-NMEFOSE0 | 23.70 | ng/mL0 | | |
| | D9-NETFOSSE0 | 23.90 | ng/mL0 | | |
| | 13C3-HFPO-DA0 | 8.140 | ng/mL0 | | |



Chemist: ABK
 Instrument: Saphira
 Type: Sciex Q3 5500

Sample I.D.: SB03769-CCB1
 DF, IV: 1, 10.0µL
 Acquisition Method: 1633 2022-12-07.dam

Quant Method: 1633 - S2022-12-07A
 Path: S2022-12-09B (1)
 Acquired: 2022/12/09 - 22:28

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (ΔRT-Imin, ΔRT-CVmin, ΔRT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration True ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|---------|--|---|------------|-------------------------------------|-----------------------------|---------------------------|-----------------------|----------------------------|------|
| PFBA | (212.9 / 169.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFPeA | (262.9 / 219.0) N/A (262.9 / 69.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFHxA | (313.0 / 269.0) N/A (313.0 / 119.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFHpA | (363.0 / 319.0) N/A (363.0 / 169.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFOA | (413.0 / 369.0) N/A (413.0 / 169.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFNA | (463.0 / 419.0) N/A (463.0 / 169.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFDA | (513.0 / 469.0) N/A (513.0 / 169.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFUnA | (563.0 / 519.0) N/A (563.0 / 169.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFDoA | (613.0 / 569.0) N/A (613.0 / 169.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFTrDA | (663.0 / 619.0) N/A (663.0 / 169.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFTeDA | (713.0 / 669.0) N/A (713.0 / 169.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |



Chemist: ABK
 Instrument: Saphira
 Type: Sciex Q3 5500

Sample I.D.: SB03769-CCB1
 DF, IV: 1, 10.0µL
 Acquisition Method: 1633 2022-12-07.dam

Quant Method: 1633 - S2022-12-07A
 Path: S2022-12-09B (1)
 Acquired: 2022/12/09 - 22:28

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (ΔRT-Imin, ΔRT-CVmin, ΔRT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration True ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|---------|---|---|------------|-------------------------------------|-----------------------------|---------------------------|-----------------------|----------------------------|------|
| PFBS | (298.9 / 80.0) N/A (298.9 / 99.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFPeS | (349.0 / 80.0) N/A (349.0 / 99.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFHxS | (399.0 / 80.0) N/A (399.0 / 99.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFHpS | (449.0 / 80.0) N/A (449.0 / 99.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFOS | (499.0 / 80.0) N/A (499.0 / 99.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFNS | (549.0 / 80.0) N/A (549.0 / 99.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFDS | (599.0 / 80.0) N/A (599.0 / 99.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFDoS | (698.9 / 80.0) N/A (698.9 / 99.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| 4:2FTS | (327.0 / 307.0) N/A (327.0 / 81.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| 6:2FTS | (427.0 / 407.0) N/A (427.0 / 81.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| 8:2FTS | (527.0 / 507.0) N/A (527.0 / 81.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |

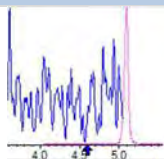
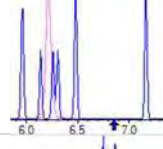
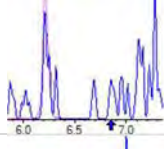
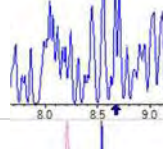
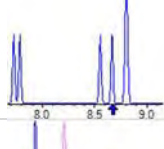
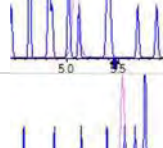
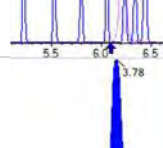
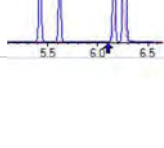
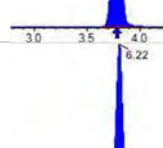
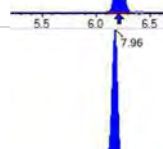
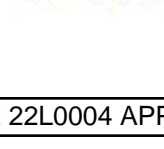


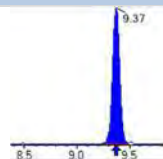
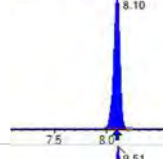
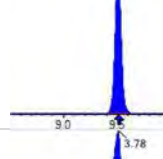
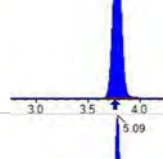
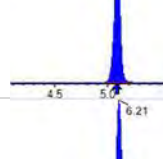
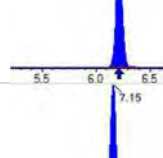
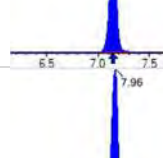
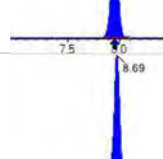
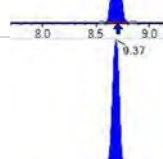
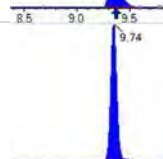
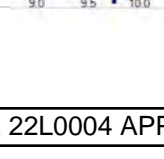
Chemist: ABK
 Instrument: Saphira
 Type: Sciex Q3 5500

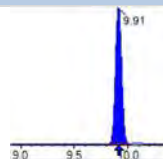
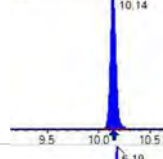
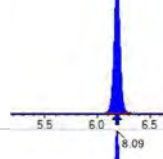
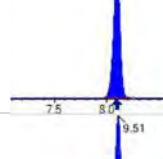
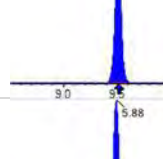
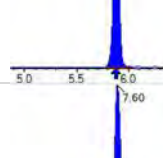
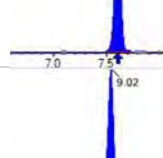
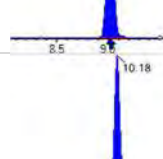
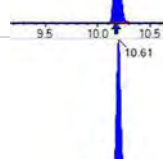
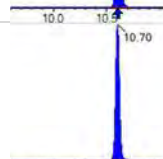
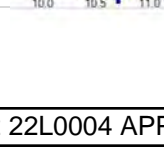
Sample I.D.: SB03769-CCB1
 DF, IV: 1, 10.0µL
 Acquisition Method: 1633 2022-12-07.dam

Quant Method: 1633 - S2022-12-07A
 Path: S2022-12-09B (1)
 Acquired: 2022/12/09 - 22:28

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (ΔRT-Imin, ΔRT-CVmin, ΔRT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration True ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|--------------|--|---|------------|-------------------------------------|-----------------------------|---------------------------|-----------------------|----------------------------|------|
| PFOSA | (498.0 / 78.0) N/A (498.0 / 478.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| NMeFOSA | (511.9 / 219.0) N/A (511.9 / 169.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| NEtFOSA | (526.0 / 219.0) N/A (526.0 / 169.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| NMeFOSAA | (570.0 / 419.0) N/A (570.0 / 483.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| NEtFOSAA | (584.0 / 419.0) N/A (584.0 / 526.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| NMeFOSE | (616.1 / 59.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| NEtFOSE | (630.0 / 59.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| HFPO-DA | (285.0 / 169.0) N/A (285.0 / 185.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| ADONA | (377.0 / 85.0) N/A (377.0 / 251.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| 9Cl-Pf3ONS | (531.0 / 351.0) N/A (533.0 / 353.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| 11Cl-Pf3OUDS | (631.0 / 451.0) N/A (633.0 / 453.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-Imin, Δ RT-CVmin, Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration True ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|----------------|--|--|------------|-------------------------------------|-----------------------------|---------------------------|---|---|------|
| 3:3FTCA | (241.0 / 177.0) N/A (241.0 / 117.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A |  |  | |
| 5:3FTCA | (341.0 / 236.7) N/A (341.0 / 217.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A |  |  | |
| 7:3FTCA | (441.0 / 317.0) N/A (441.0 / 337.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A |  |  | |
| PFEESA | (315.0 / 135.0) N/A (315.0 / 83.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A |  |  | |
| PFMPA | (229.0 / 85.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A | N/A 0.0 0.0 | 0.0000 | N/A |  | | |
| PFMBA | (279.0 / 85.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A | N/A 0.0 0.0 | 0.0000 | N/A |  | | |
| NFDHA | (201.0 / 85.0) N/A (295.0 / 201.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A |  |  | |
| 13C3_PFBA_IIS | (216.0 / 172.0) 85872 | (3.78, N/A) (N/A, 0.01, N/A) | 681.0 | N/A | 0.8933 [1.0000] | 89.3% { 98.1% } |  | | |
| 13C2_PFHxA_IIS | (315.1 / 270.0) 125461 | (6.22, N/A) (N/A, 0.00, N/A) | 611.3 | N/A | 1.0160 [1.0000] | 101.6% { 96.7% } |  | | |
| 13C4_PFOA_IIS | (417.0 / 372.0) 126131 | (7.96, N/A) (N/A, 0.01, N/A) | 527.1 | N/A | 1.0639 [1.0000] | 106.4% { 103.9% } |  | | |
| 13C5_PFNA_IIS | (468.0 / 423.0) 112164 | (8.70, N/A) (N/A, 0.00, N/A) | 1262.6 | N/A | 1.1777 [1.0000] | 117.8% { 114.2% } |  | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-Imin, Δ RT-CVmin, Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration True ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|----------------|------------------------------|--|--------|-------------------------------------|-----------------------------|---------------------------|---|----------------------------|------|
| 13C2_PFDA_IIS | (515.1 / 470.1) 93372 | (9.37, N/A) (N/A, 0.00, N/A) | 362.1 | N/A | 1.1334 [1.0000] | 113.3% {103.6%} |  | | |
| 18O2_PFHxS_IIS | (403.0 / 83.9) 233784 | (8.10, N/A) (N/A, 0.00, N/A) | 924.4 | N/A | 1.0892 [1.0000] | 108.9% {111.6%} |  | | |
| 13C4_PFOS_IIS | (502.8 / 79.9) 168935 | (9.51, N/A) (N/A, 0.00, N/A) | 758.7 | N/A | 0.9077 [1.0000] | 90.8% {88.4%} |  | | |
| 13C4_PFBA_EIS | (217.0 / 172.0) 659995 | (3.78, N/A) (N/A, 0.01, N/A) | 772.2 | N/A | 8.1979 [8.0000] | 102.5% {100.8%} |  | | |
| 13C5_PFPeA_EIS | (267.9 / 223.0) 331480 | (5.09, N/A) (N/A, 0.01, N/A) | 1022.1 | N/A | 3.6220 [4.0000] | 90.5% {95.3%} |  | | |
| 13C5_PFHxA_EIS | (318.0 / 273.0) 265723 | (6.21, N/A) (N/A, 0.00, N/A) | 733.2 | N/A | 2.0764 [2.0000] | 103.8% {101.3%} |  | | |
| 13C4_PFHpA_EIS | (367.0 / 322.0) 228458 | (7.15, N/A) (N/A, 0.01, N/A) | 684.0 | N/A | 1.9778 [2.0000] | 98.9% {92.1%} |  | | |
| 13C8_PFOA_EIS | (421.0 / 376.0) 242104 | (7.96, N/A) (N/A, 0.00, N/A) | 719.7 | N/A | 1.8871 [2.0000] | 94.4% {92.8%} |  | | |
| 13C9_PFNA_EIS | (472.0 / 427.0) 96501 | (8.69, N/A) (N/A, 0.00, N/A) | 310.0 | N/A | 0.8718 [1.0000] | 87.2% {115.8%} |  | | |
| 13C6_PFDA_EIS | (519.0 / 474.0) 135481 | (9.37, N/A) (N/A, 0.00, N/A) | 373.6 | N/A | 0.9989 [1.0000] | 99.9% {116.5%} |  | | |
| 13C7_PFUnA_EIS | (570.0 / 525.0) 179988 | (9.74, N/A) (N/A, 0.00, N/A) | 2100.9 | N/A | 0.9887 [1.0000] | 98.9% {89.5%} |  | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-Imin, Δ RT-CVmin, Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration True ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|-----------------|------------------------------|--|--------|-------------------------------------|-----------------------------|---------------------------|---|----------------------------|------|
| 13C2_PFDa_EIS | (615.0 / 570.0) 202846 | (9.91, N/A) (N/A, 0.00, N/A) | 491.0 | N/A | 0.9181 [1.0000] | 91.8% {105.0%} |  | | |
| 13C2_PFTeDA_EIS | (715.0 / 670.0) 151098 | (10.14, N/A) (N/A, 0.00, N/A) | 621.7 | N/A | 0.9316 [1.0000] | 93.2% {116.4%} |  | | |
| 13C3_PFBs_EIS | (302.0 / 80.0) 640366 | (6.19, N/A) (N/A, 0.01, N/A) | 1004.2 | N/A | 1.8638 [2.0000] | 93.2% {96.7%} |  | | |
| 13C3_PFHxS_EIS | (402.0 / 80.0) 325216 | (8.09, N/A) (N/A, 0.01, N/A) | 768.4 | N/A | 1.6629 [2.0000] | 83.1% {92.1%} |  | | |
| 13C8_PFOS_EIS | (507.0 / 80.0) 594272 | (9.51, N/A) (N/A, 0.00, N/A) | 718.3 | N/A | 2.3076 [2.0000] | 115.4% {99.1%} |  | | |
| 13C2_4:2FTS_EIS | (329.0 / 81.0) 68909 | (5.88, N/A) (N/A, 0.01, N/A) | 614.8 | N/A | 3.5561 [4.0000] | 88.9% {96.3%} |  | | |
| 13C2_6:2FTS_EIS | (429.0 / 81.0) 92547 | (7.60, N/A) (N/A, 0.01, N/A) | 523.6 | N/A | 3.5598 [4.0000] | 89.0% {102.9%} |  | | |
| 13C2_8:2FTS_EIS | (529.0 / 81.0) 90640 | (9.02, N/A) (N/A, 0.00, N/A) | 629.9 | N/A | 4.0168 [4.0000] | 100.4% {104.6%} |  | | |
| 13C8_PFOsa_EIS | (506.0 / 78.0) 847617 | (10.18, N/A) (N/A, 0.00, N/A) | 733.5 | N/A | 2.1560 [2.0000] | 107.8% {96.6%} |  | | |
| D3_NMeFOSA_EIS | (515.0 / 169.0) 251587 | (10.61, N/A) (N/A, 0.00, N/A) | 948.7 | N/A | 2.1625 [2.0000] | 108.1% {105.5%} |  | | |
| D5_NEiFOSA_EIS | (531.1 / 169.0) 227307 | (10.70, N/A) (N/A, 0.00, N/A) | 902.8 | N/A | 2.1548 [2.0000] | 107.7% {100.0%} |  | | |



Chemist: ABK
 Instrument: Saphira
 Type: Sciex Q3 5500

Sample I.D.: SB03769-CCB1
 DF, IV: 1, 10.0µL
 Acquisition Method: 1633 2022-12-07.dam

Quant Method: 1633 - S2022-12-07A
 Path: S2022-12-09B (1)
 Acquired: 2022/12/09 - 22:28

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (ΔRT-Imin, ΔRT-CVmin, ΔRT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration True ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|-----------------|------------------------------|---|--------|-------------------------------------|-----------------------------|---------------------------|-----------------------|----------------------------|------|
| D3_MeFOSAA_EIS | (573.0 / 419.0) 253418 | (9.54, N/A) (N/A, 0.00, N/A) | 235.8 | N/A | 4.4230 [4.0000] | 110.6% {93.5%} | | | |
| D5_EtFOSAA_EIS | (589.0 / 419.0) 261903 | (9.71, N/A) (N/A, 0.01, N/A) | 360.6 | N/A | 5.3184 [4.0000] | 133.0% {118.9%} | | | |
| D7_NMeFOSE_EIS | (623.2 / 58.9) 470617 | (10.57, N/A) (N/A, 0.00, N/A) | 1024.5 | N/A | 23.6834 [20.0000] | 118.4% {99.0%} | | | |
| D9_NEtFOSE_EIS | (639.2 / 58.9) 242245 | (10.67, N/A) (N/A, 0.00, N/A) | 964.0 | N/A | 23.9257 [20.0000] | 119.6% {102.1%} | | | |
| 13C3_HFPODA_EIS | (287.0 / 169.0) 686374 | (6.56, N/A) (N/A, 0.01, N/A) | 497.3 | N/A | 8.1438 [8.0000] | 101.8% {102.3%} | | | |

ANALYSIS SEQUENCE BLANKS

Laboratory:N APPL, L CL SDG:N
 Client:N Tidewater, Inc.L Project:N NASA JPL SIL
 Sequence:N SB03769L Instrument:N Saphira
 Calibration:N 2250016L

| Lab Sample IDN | AnalyteN | FoundN | UnitsN | RLN | CN |
|----------------|---------------|--------|--------|-----|----|
| SB03769-CCB2 0 | PFBA0 | .0 | ng/mL0 | .50 | U |
| | PFPEA0 | .0 | ng/mL0 | .50 | U |
| | PFHXA0 | .0 | ng/mL0 | .50 | U |
| | PFHPA0 | .0 | ng/mL0 | .50 | U |
| | PFOA0 | .0 | ng/mL0 | .50 | U |
| | PFNA0 | .0 | ng/mL0 | .50 | U |
| | PFDA0 | .0 | ng/mL0 | .50 | U |
| | PFUnA0 | .0 | ng/mL0 | .50 | U |
| | PFDOA0 | .0 | ng/mL0 | .50 | U |
| | PFTRDA0 | .0 | ng/mL0 | .50 | U |
| | PFTEDA0 | .0 | ng/mL0 | .50 | U |
| | PFBS0 | .0 | ng/mL0 | .50 | U |
| | PFPE0 | .0 | ng/mL0 | .50 | U |
| | PFHXS0 | .0 | ng/mL0 | .50 | U |
| | PFHPS0 | .0 | ng/mL0 | .50 | U |
| | PFOS0 | .0 | ng/mL0 | .50 | U |
| | PFNS0 | .0 | ng/mL0 | .50 | U |
| | PFDS0 | .0 | ng/mL0 | .50 | U |
| | 4:2FTS0 | .0 | ng/mL0 | .50 | U |
| | 6:2FTS0 | .0 | ng/mL0 | .50 | U |
| | 8:2FTS0 | .0 | ng/mL0 | .50 | U |
| | PFOSA0 | .0 | ng/mL0 | .50 | U |
| | NMeFOSA0 | .0 | ng/mL0 | .50 | U |
| | NEtFOSA0 | .0 | ng/mL0 | .50 | U |
| | NMeFOSAA0 | .0 | ng/mL0 | .50 | U |
| | NEtFOSAA0 | .0 | ng/mL0 | .50 | U |
| | NMeFOSE0 | .0 | ng/mL0 | .50 | U |
| | NEtFOSE0 | .0 | ng/mL0 | .50 | U |
| | HFPO-DA0 | .0 | ng/mL0 | .50 | U |
| | ADONA0 | .0 | ng/mL0 | .50 | U |
| | 9CL-PF3ONS0 | .0 | ng/mL0 | .50 | U |
| | 11CL-PF3OUDS0 | .0 | ng/mL0 | .50 | U |
| | 13C4-PFBA0 | 7.990 | ng/mL0 | | |

ANALYSIS SEQUENCE BLANKS

| | | | |
|---------------|------------------|--------------|--------------|
| Laboratory:N | APPL, L CL | SDG:N | |
| Client:N | Tidewater, Inc.L | Project:N | NASA JPL SIL |
| Sequence:N | SB03769L | Instrument:N | SaphiraL |
| Calibration:N | 2250016L | | |

| Lab Sample IDN | AnalyteN | FoundN | UnitsN | RLN | CN |
|----------------|---------------|--------|--------|-----|----|
| SB03769-CCB20 | 13C5-PFPEA0 | 3.490 | ng/mL0 | | |
| | 13C5-PFHXA0 | 1.850 | ng/mL0 | | |
| | 13C4-PFHPA0 | 1.820 | ng/mL0 | | |
| | 13C8-PFOA0 | 2.070 | ng/mL0 | | |
| | 13C9-PFNA | 0.9510 | ng/mL0 | | |
| | 13C6-PFDA | 0.8260 | ng/mL0 | | |
| | 13C7-PFUnA0 | 1.060 | ng/mL0 | | |
| | 13C2-PFDOA | 0.8510 | ng/mL0 | | |
| | 13C2-PFTEDA | 0.8520 | ng/mL0 | | |
| | 13C3-PFBS0 | 2.170 | ng/mL0 | | |
| | 13C3-PFHXS0 | 1.960 | ng/mL0 | | |
| | 13C8-PFOS0 | 2.010 | ng/mL0 | | |
| | 13C2-4:2FTS0 | 4.470 | ng/mL0 | | |
| | 13C2-6:2FTS0 | 4.160 | ng/mL0 | | |
| | 13C2-8:2FTS0 | 3.950 | ng/mL0 | | |
| | 13C8-PFOSA0 | 1.690 | ng/mL0 | | |
| | D3-NMEFOSA0 | 1.630 | ng/mL0 | | |
| | D5-NETFOSA0 | 1.80 | ng/mL0 | | |
| | D3-NMEFOSAA0 | 4.040 | ng/mL0 | | |
| | D5-NETFOSAA0 | 4.230 | ng/mL0 | | |
| | D7-NMEFOSE0 | 18.60 | ng/mL0 | | |
| | D9-NETFOSSE0 | 19.30 | ng/mL0 | | |
| | 13C3-HFPO-DA0 | 7.840 | ng/mL0 | | |



Chemist: ABK
 Instrument: Saphira
 Type: Sciex Q3 5500

Sample I.D.: SB03769-CCB2
 DF, IV: 1, 10.0µL
 Acquisition Method: 1633 2022-12-07.dam

Quant Method: 1633 - S2022-12-07A
 Path: S2022-12-09B (4)
 Acquired: 2022/12/09 - 23:32

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (ΔRT-[min], ΔRT-CV[min], ΔRT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|---------|--|---|------------|-------------------------------------|---------------------------------|---------------------------|-----------------------|----------------------------|------|
| PFBA | (212.9 / 169.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFPeA | (262.9 / 219.0) N/A (262.9 / 69.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFHxA | (313.0 / 269.0) N/A (313.0 / 119.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFHpA | (363.0 / 319.0) N/A (363.0 / 169.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFOA | (413.0 / 369.0) N/A (413.0 / 169.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFNA | (463.0 / 419.0) N/A (463.0 / 169.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFDA | (513.0 / 469.0) N/A (513.0 / 169.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFUnA | (563.0 / 519.0) N/A (563.0 / 169.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFDoA | (613.0 / 569.0) N/A (613.0 / 169.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFTrDA | (663.0 / 619.0) N/A (663.0 / 169.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFTeDA | (713.0 / 669.0) N/A (713.0 / 169.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |

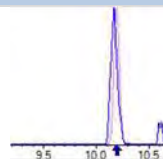
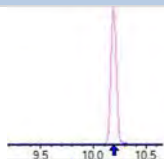
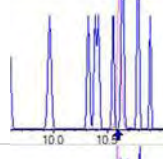
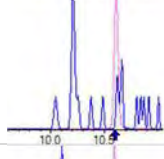
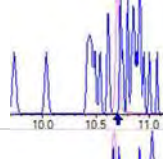
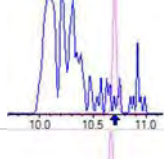
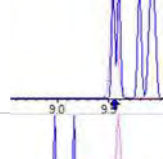
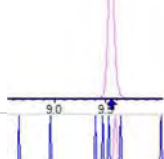
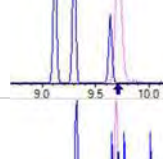
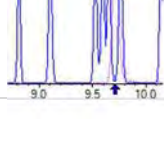
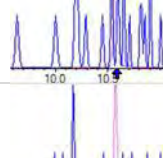
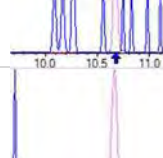
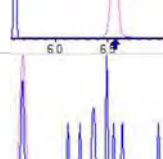
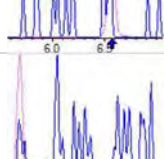
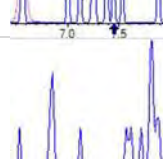

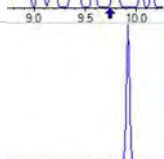
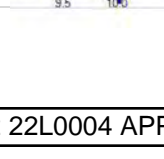
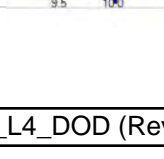


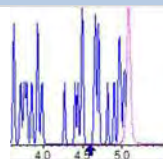
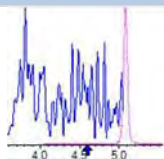
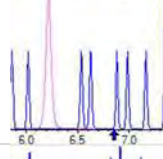
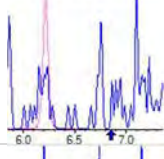
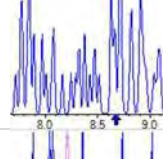
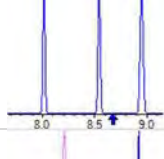
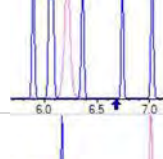
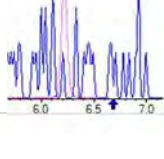
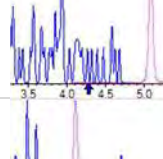
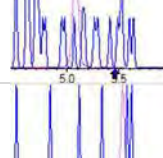
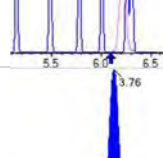
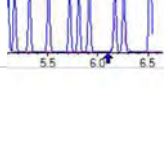
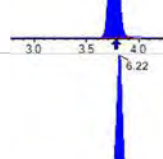
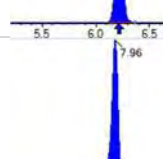
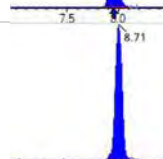
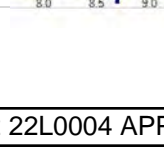
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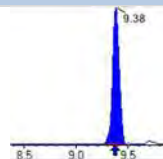
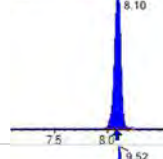
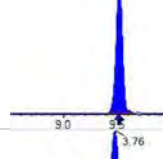
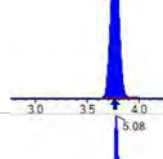
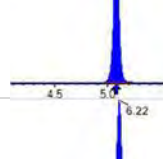
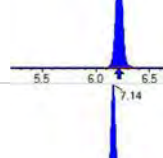
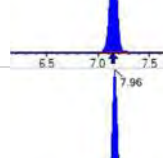
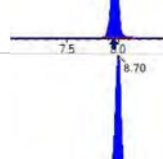
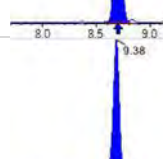
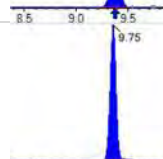
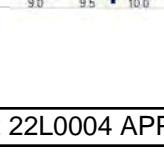
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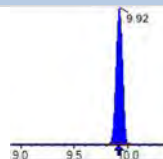
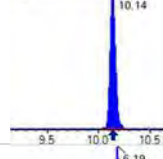
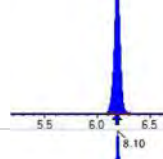
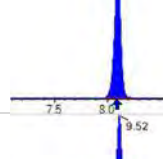
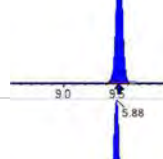
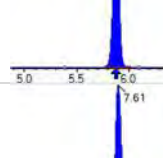
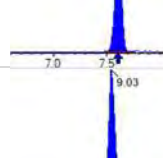
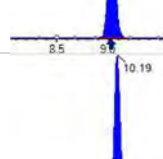
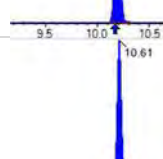
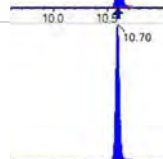
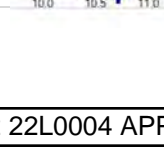
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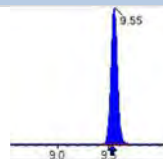
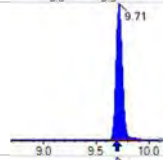
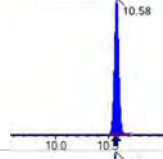
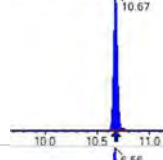
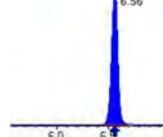
| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (ΔRT-[min], ΔRT-CV[min], ΔRT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|---------|---|---|------------|-------------------------------------|---------------------------------|---------------------------|-----------------------|----------------------------|------|
| PFBS | (298.9 / 80.0) N/A (298.9 / 99.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFPeS | (349.0 / 80.0) N/A (349.0 / 99.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFHxS | (399.0 / 80.0) N/A (399.0 / 99.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFHpS | (449.0 / 80.0) N/A (449.0 / 99.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFOS | (499.0 / 80.0) N/A (499.0 / 99.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFNS | (549.0 / 80.0) N/A (549.0 / 99.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFDS | (599.0 / 80.0) N/A (599.0 / 99.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFDoS | (698.9 / 80.0) N/A (698.9 / 99.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| 4:2FTS | (327.0 / 307.0) N/A (327.0 / 81.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| 6:2FTS | (427.0 / 407.0) N/A (427.0 / 81.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| 8:2FTS | (527.0 / 507.0) N/A (527.0 / 81.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|--------------|--|--|------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| PFOSA | (498.0 / 78.0) N/A (498.0 / 478.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A |  |  | |
| NMeFOSA | (511.9 / 219.0) N/A (511.9 / 169.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A |  |  | |
| NEtFOSA | (526.0 / 219.0) N/A (526.0 / 169.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A |  |  | |
| NMeFOSAA | (570.0 / 419.0) N/A (570.0 / 483.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A |  |  | |
| NEtFOSAA | (584.0 / 419.0) N/A (584.0 / 526.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A |  |  | |
| NMeFOSE | (616.1 / 59.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A | N/A 0.0 0.0 | 0.0000 | N/A |  | | |
| NEtFOSE | (630.0 / 59.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A | N/A 0.0 0.0 | 0.0000 | N/A |  | | |
| HFPO-DA | (285.0 / 169.0) N/A (285.0 / 185.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A |  |  | |
| ADONA | (377.0 / 85.0) N/A (377.0 / 251.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A |  |  | |
| 9Cl-Pf3ONS | (531.0 / 351.0) N/A (533.0 / 353.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A |  |  | |
| 11Cl-Pf3OUDS | (631.0 / 451.0) N/A (633.0 / 453.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A |  |  | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|----------------|--|--|------------|-------------------------------------|---------------------------------|---------------------------|---|---|------|
| 3:3FTCA | (241.0 / 177.0) N/A (241.0 / 117.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A |  |  | |
| 5:3FTCA | (341.0 / 236.7) N/A (341.0 / 217.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A |  |  | |
| 7:3FTCA | (441.0 / 317.0) N/A (441.0 / 337.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A |  |  | |
| PFEESA | (315.0 / 135.0) N/A (315.0 / 83.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A |  |  | |
| PFMPA | (229.0 / 85.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A | N/A 0.0 0.0 | 0.0000 | N/A |  | | |
| PFMBA | (279.0 / 85.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A | N/A 0.0 0.0 | 0.0000 | N/A |  | | |
| NFDHA | (201.0 / 85.0) N/A (295.0 / 201.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A |  |  | |
| 13C3_PFBA_IIS | (216.0 / 172.0) 85950 | (3.76, N/A) (N/A, -0.01, N/A) | 744.3 | N/A | 0.8941 [1.0000] | 89.4% { 98.2% } |  | | |
| 13C2_PFHxA_IIS | (315.1 / 270.0) 136304 | (6.22, N/A) (N/A, 0.01, N/A) | 719.7 | N/A | 1.1038 [1.0000] | 110.4% { 105.1% } |  | | |
| 13C4_PFOA_IIS | (417.0 / 372.0) 116979 | (7.96, N/A) (N/A, 0.01, N/A) | 654.5 | N/A | 0.9867 [1.0000] | 98.7% { 96.3% } |  | | |
| 13C5_PFNA_IIS | (468.0 / 423.0) 106623 | (8.71, N/A) (N/A, 0.01, N/A) | 432.7 | N/A | 1.1195 [1.0000] | 112.0% { 108.6% } |  | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|----------------|------------------------------|--|-------|-------------------------------------|---------------------------------|---------------------------|---|----------------------------|------|
| 13C2_PFDA_IIS | (515.1 / 470.1) 92683 | (9.38, N/A) (N/A, 0.01, N/A) | 248.8 | N/A | 1.1250 [1.0000] | 112.5% { 102.8% } |  | | |
| 18O2_PFHxS_IIS | (403.0 / 83.9) 202709 | (8.10, N/A) (N/A, 0.01, N/A) | 748.2 | N/A | 0.9445 [1.0000] | 94.4% { 96.8% } |  | | |
| 13C4_PFOS_IIS | (502.8 / 79.9) 202848 | (9.52, N/A) (N/A, 0.01, N/A) | 284.1 | N/A | 1.0899 [1.0000] | 109.0% { 106.2% } |  | | |
| 13C4_PFBA_EIS | (217.0 / 172.0) 643528 | (3.76, N/A) (N/A, -0.01, N/A) | 933.1 | N/A | 7.9861 [8.0000] | 99.8% { 98.2% } |  | | |
| 13C5_PFPeA_EIS | (267.9 / 223.0) 346731 | (5.08, N/A) (N/A, 0.00, N/A) | 907.7 | N/A | 3.4872 [4.0000] | 87.2% { 99.7% } |  | | |
| 13C5_PFHxA_EIS | (318.0 / 273.0) 257329 | (6.22, N/A) (N/A, 0.00, N/A) | 819.8 | N/A | 1.8509 [2.0000] | 92.5% { 98.1% } |  | | |
| 13C4_PFHpA_EIS | (367.0 / 322.0) 228965 | (7.14, N/A) (N/A, 0.01, N/A) | 890.2 | N/A | 1.8245 [2.0000] | 91.2% { 92.3% } |  | | |
| 13C8_PFOA_EIS | (421.0 / 376.0) 245967 | (7.96, N/A) (N/A, 0.01, N/A) | 431.4 | N/A | 2.0673 [2.0000] | 103.4% { 94.3% } |  | | |
| 13C9_PFNA_EIS | (472.0 / 427.0) 100095 | (8.70, N/A) (N/A, 0.01, N/A) | 327.8 | N/A | 0.9513 [1.0000] | 95.1% { 120.1% } |  | | |
| 13C6_PFDA_EIS | (519.0 / 474.0) 111154 | (9.38, N/A) (N/A, 0.01, N/A) | 300.1 | N/A | 0.8256 [1.0000] | 82.6% { 95.6% } |  | | |
| 13C7_PFUnA_EIS | (570.0 / 525.0) 191272 | (9.75, N/A) (N/A, 0.01, N/A) | 448.0 | N/A | 1.0584 [1.0000] | 105.8% { 95.1% } |  | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|-----------------|------------------------------|--|-------|-------------------------------------|---------------------------------|---------------------------|---|----------------------------|------|
| 13C2_PFDa_EIS | (615.0 / 570.0) 186720 | (9.92, N/A) (N/A, 0.01, N/A) | 809.2 | N/A | 0.8514 [1.0000] | 85.1% { 96.6% } |  | | |
| 13C2_PFTeDA_EIS | (715.0 / 670.0) 137111 | (10.14, N/A) (N/A, 0.00, N/A) | 512.0 | N/A | 0.8516 [1.0000] | 85.2% { 105.6% } |  | | |
| 13C3_PFBs_EIS | (302.0 / 80.0) 647244 | (6.19, N/A) (N/A, 0.01, N/A) | 960.8 | N/A | 2.1726 [2.0000] | 108.6% { 97.8% } |  | | |
| 13C3_PFHxS_EIS | (402.0 / 80.0) 332421 | (8.10, N/A) (N/A, 0.01, N/A) | 969.3 | N/A | 1.9602 [2.0000] | 98.0% { 94.2% } |  | | |
| 13C8_PFOS_EIS | (507.0 / 80.0) 622170 | (9.52, N/A) (N/A, 0.01, N/A) | 600.9 | N/A | 2.0120 [2.0000] | 100.6% { 103.8% } |  | | |
| 13C2_4:2FTS_EIS | (329.0 / 81.0) 75021 | (5.88, N/A) (N/A, 0.01, N/A) | 603.2 | N/A | 4.4650 [4.0000] | 111.6% { 104.8% } |  | | |
| 13C2_6:2FTS_EIS | (429.0 / 81.0) 93785 | (7.61, N/A) (N/A, 0.01, N/A) | 416.1 | N/A | 4.1605 [4.0000] | 104.0% { 104.3% } |  | | |
| 13C2_8:2FTS_EIS | (529.0 / 81.0) 77342 | (9.03, N/A) (N/A, 0.01, N/A) | 392.2 | N/A | 3.9529 [4.0000] | 98.8% { 89.2% } |  | | |
| 13C8_PFOsa_EIS | (506.0 / 78.0) 796828 | (10.19, N/A) (N/A, 0.01, N/A) | 491.9 | N/A | 1.6879 [2.0000] | 84.4% { 90.8% } |  | | |
| D3_NMeFOsa_EIS | (515.0 / 169.0) 227524 | (10.61, N/A) (N/A, 0.01, N/A) | 915.4 | N/A | 1.6287 [2.0000] | 81.4% { 95.4% } |  | | |
| D5_NEtFOsa_EIS | (531.1 / 169.0) 227700 | (10.70, N/A) (N/A, 0.00, N/A) | 939.8 | N/A | 1.7977 [2.0000] | 89.9% { 100.1% } |  | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-I[μ min], Δ RT- CV[μ min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|-----------------|------------------------------|---|--------|-------------------------------------|---------------------------------|---------------------------|--|----------------------------|------|
| D3_MeFOSAA_EIS | (573.0 / 419.0) 277910 | (9.55, N/A) (N/A, 0.01, N/A) | 695.7 | N/A | 4.0395 [4.0000] | 101.0% { 102.6% } |  | | |
| D5_EtFOSAA_EIS | (589.0 / 419.0) 250058 | (9.71, N/A) (N/A, 0.01, N/A) | 383.5 | N/A | 4.2289 [4.0000] | 105.7% { 113.5% } |  | | |
| D7_NMeFOSE_EIS | (623.2 / 58.9) 443102 | (10.58, N/A) (N/A, 0.01, N/A) | 803.5 | N/A | 18.5708 [20.0000] | 92.9% { 93.2% } |  | | |
| D9_NEtFOSE_EIS | (639.2 / 58.9) 234984 | (10.67, N/A) (N/A, 0.00, N/A) | 1116.7 | N/A | 19.3284 [20.0000] | 96.6% { 99.1% } |  | | |
| 13C3_HFPODA_EIS | (287.0 / 169.0) 717570 | (6.56, N/A) (N/A, 0.01, N/A) | 887.5 | N/A | 7.8367 [8.0000] | 98.0% { 106.9% } |  | | |

ANALYSIS SEQUENCE BLANKS

Laboratory:N APPL, L CL SDG:N
 Client:N Tidewater, Inc.L Project:N NASA JPL SIL
 Sequence:N SB03769L Instrument:N Saphira
 Calibration:N 2250016L

| Lab Sample IDN | AnalyteN | FoundN | UnitsN | RLN | CN |
|----------------|---------------|--------|--------|-----|----|
| SB03769-CCB3 0 | PFBA0 | .0 | ng/mL0 | .50 | U |
| | PFPEA0 | .0 | ng/mL0 | .50 | U |
| | PFHXA0 | .0 | ng/mL0 | .50 | U |
| | PFHPA0 | .0 | ng/mL0 | .50 | U |
| | PFOA0 | .0 | ng/mL0 | .50 | U |
| | PFNA0 | .0 | ng/mL0 | .50 | U |
| | PFDA0 | .0 | ng/mL0 | .50 | U |
| | PFUnA0 | .0 | ng/mL0 | .50 | U |
| | PFDOA0 | .0 | ng/mL0 | .50 | U |
| | PFTRDA0 | .0 | ng/mL0 | .50 | U |
| | PFTEDA0 | .0 | ng/mL0 | .50 | U |
| | PFBS0 | .0 | ng/mL0 | .50 | U |
| | PFPE0 | .0 | ng/mL0 | .50 | U |
| | PFHXS0 | .0 | ng/mL0 | .50 | U |
| | PFHPS0 | .0 | ng/mL0 | .50 | U |
| | PFOS0 | .0 | ng/mL0 | .50 | U |
| | PFNS0 | .0 | ng/mL0 | .50 | U |
| | PFDS0 | .0 | ng/mL0 | .50 | U |
| | 4:2FTS0 | .0 | ng/mL0 | .50 | U |
| | 6:2FTS0 | .0 | ng/mL0 | .50 | U |
| | 8:2FTS0 | .0 | ng/mL0 | .50 | U |
| | PFOSA0 | .0 | ng/mL0 | .50 | U |
| | NMeFOSA0 | .0 | ng/mL0 | .50 | U |
| | NEtFOSA0 | .0 | ng/mL0 | .50 | U |
| | NMeFOSAA0 | .0 | ng/mL0 | .50 | U |
| | NEtFOSAA0 | .0 | ng/mL0 | .50 | U |
| | NMeFOSE0 | .0 | ng/mL0 | .50 | U |
| | NEtFOSE0 | .0 | ng/mL0 | .50 | U |
| | HFPO-DA0 | .0 | ng/mL0 | .50 | U |
| | ADONA0 | .0 | ng/mL0 | .50 | U |
| | 9CL-PF3ONS0 | .0 | ng/mL0 | .50 | U |
| | 11CL-PF3OUDS0 | .0 | ng/mL0 | .50 | U |
| | 13C4-PFBA0 | 8.10 | ng/mL0 | | |

ANALYSIS SEQUENCE BLANKS

| | | | |
|---------------|------------------|--------------|--------------|
| Laboratory:N | APPL, L CL | SDG:N | |
| Client:N | Tidewater, Inc.L | Project:N | NASA JPL SIL |
| Sequence:N | SB03769L | Instrument:N | SaphiraL |
| Calibration:N | 2250016L | | |

| Lab Sample IDN | AnalyteN | FoundN | UnitsN | RLN | CN |
|----------------|---------------|--------|--------|-----|----|
| SB03769-CCB30 | 13C5-PFPEA0 | 3.880 | ng/mL0 | | |
| | 13C5-PFHXA0 | 2.230 | ng/mL0 | | |
| | 13C4-PFHPA0 | 2.090 | ng/mL0 | | |
| | 13C8-PFOA0 | 1.920 | ng/mL0 | | |
| | 13C9-PFNA | 0.9620 | ng/mL0 | | |
| | 13C6-PFDA | 0.9860 | ng/mL0 | | |
| | 13C7-PFUnA0 | 1.120 | ng/mL0 | | |
| | 13C2-PFDOA | 0.8690 | ng/mL0 | | |
| | 13C2-PFTEDA0 | 1.030 | ng/mL0 | | |
| | 13C3-PFBS0 | 2.010 | ng/mL0 | | |
| | 13C3-PFHXS0 | 2.10 | ng/mL0 | | |
| | 13C8-PFOS0 | 2.0 | ng/mL0 | | |
| | 13C2-4:2FTS0 | 4.150 | ng/mL0 | | |
| | 13C2-6:2FTS0 | 3.980 | ng/mL0 | | |
| | 13C2-8:2FTS0 | 5.020 | ng/mL0 | | |
| | 13C8-PFOSA0 | 1.910 | ng/mL0 | | |
| | D3-NMEFOSA0 | 1.750 | ng/mL0 | | |
| | D5-NETFOSA0 | 1.90 | ng/mL0 | | |
| | D3-NMEFOSAA0 | 3.790 | ng/mL0 | | |
| | D5-NETFOSAA0 | 4.080 | ng/mL0 | | |
| | D7-NMEFOSE0 | 22.0 | ng/mL0 | | |
| | D9-NETFOSSE0 | 23.30 | ng/mL0 | | |
| | 13C3-HFPO-DA0 | 8.520 | ng/mL0 | | |



Chemist: ABK
 Instrument: Saphira
 Type: Sciex Q3 5500

Sample I.D.: SB03769-CCB3
 DF, IV: 1, 10.0µL
 Acquisition Method: 1633 2022-12-07.dam

Quant Method: 1633 - S2022-12-07A
 Path: S2022-12-09B (15)
 Acquired: 2022/12/10 - 01:52

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (ΔRT-[min], ΔRT-CV[min], ΔRT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|---------|--|---|------------|-------------------------------------|---------------------------------|---------------------------|-----------------------|----------------------------|------|
| PFBA | (212.9 / 169.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFPeA | (262.9 / 219.0) N/A (262.9 / 69.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFHxA | (313.0 / 269.0) N/A (313.0 / 119.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFHpA | (363.0 / 319.0) N/A (363.0 / 169.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFOA | (413.0 / 369.0) N/A (413.0 / 169.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFNA | (463.0 / 419.0) N/A (463.0 / 169.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFDA | (513.0 / 469.0) N/A (513.0 / 169.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFUnA | (563.0 / 519.0) N/A (563.0 / 169.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFDoA | (613.0 / 569.0) N/A (613.0 / 169.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFTrDA | (663.0 / 619.0) N/A (663.0 / 169.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFTeDA | (713.0 / 669.0) N/A (713.0 / 169.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |



Chemist: ABK
 Instrument: Saphira
 Type: Sciex Q3 5500

Sample I.D.: SB03769-CCB3
 DF, IV: 1, 10.0µL
 Acquisition Method: 1633 2022-12-07.dam

Quant Method: 1633 - S2022-12-07A
 Path: S2022-12-09B (15)
 Acquired: 2022/12/10 - 01:52

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (ΔRT-I[min], ΔRT-CV[min], ΔRT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|---------|---|--|------------|-------------------------------------|---------------------------------|---------------------------|-----------------------|----------------------------|------|
| PFBS | (298.9 / 80.0) N/A (298.9 / 99.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFPeS | (349.0 / 80.0) N/A (349.0 / 99.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFHxS | (399.0 / 80.0) N/A (399.0 / 99.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFHpS | (449.0 / 80.0) N/A (449.0 / 99.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFOS | (499.0 / 80.0) N/A (499.0 / 99.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFNS | (549.0 / 80.0) N/A (549.0 / 99.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFDS | (599.0 / 80.0) N/A (599.0 / 99.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFDoS | (698.9 / 80.0) N/A (698.9 / 99.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| 4:2FTS | (327.0 / 307.0) N/A (327.0 / 81.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| 6:2FTS | (427.0 / 407.0) N/A (427.0 / 81.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| 8:2FTS | (527.0 / 507.0) N/A (527.0 / 81.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |



Chemist: ABK
 Instrument: Saphira
 Type: Sciex Q3 5500

Sample I.D.: SB03769-CCB3
 DF, IV: 1, 10.0µL
 Acquisition Method: 1633 2022-12-07.dam

Quant Method: 1633 - S2022-12-07A
 Path: S2022-12-09B (15)
 Acquired: 2022/12/10 - 01:52

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (ΔRT-I[min], ΔRT-CV[min], ΔRT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|--------------|--|--|------------|-------------------------------------|---------------------------------|---------------------------|-----------------------|----------------------------|------|
| PFOSA | (498.0 / 78.0) N/A (498.0 / 478.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| NMeFOSA | (511.9 / 219.0) N/A (511.9 / 169.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| NEtFOSA | (526.0 / 219.0) N/A (526.0 / 169.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| NMeFOSAA | (570.0 / 419.0) N/A (570.0 / 483.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| NEtFOSAA | (584.0 / 419.0) N/A (584.0 / 526.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| NMeFOSE | (616.1 / 59.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| NEtFOSE | (630.0 / 59.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| HFPO-DA | (285.0 / 169.0) N/A (285.0 / 185.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| ADONA | (377.0 / 85.0) N/A (377.0 / 251.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| 9Cl-Pf3ONS | (531.0 / 351.0) N/A (533.0 / 353.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| 11Cl-Pf3OUDS | (631.0 / 451.0) N/A (633.0 / 453.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |

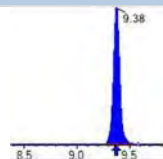
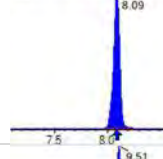
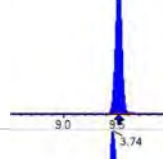
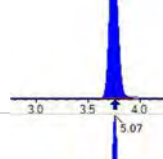
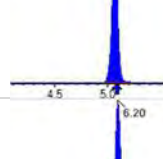
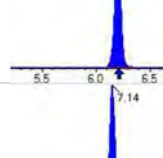
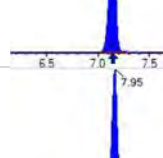
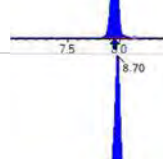
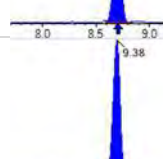
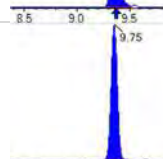
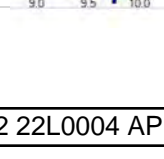


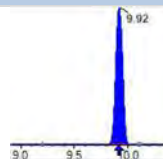
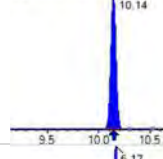
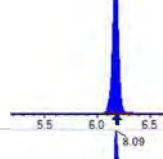
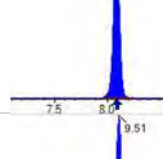
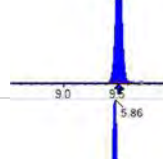
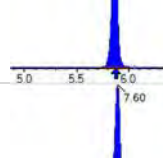
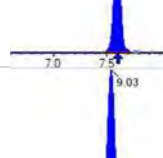
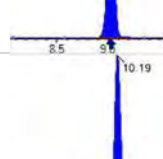
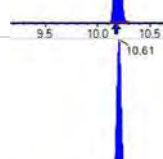
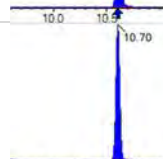
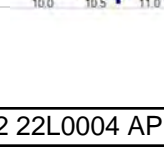
Chemist: ABK
 Instrument: Saphira
 Type: Sciex Q3 5500

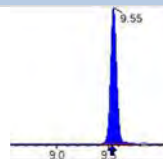
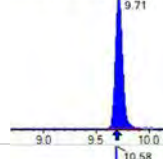
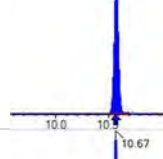
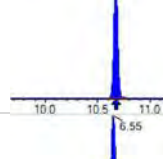
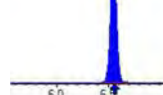
Sample I.D.: SB03769-CCB3
 DF, IV: 1, 10.0µL
 Acquisition Method: 1633 2022-12-07.dam

Quant Method: 1633 - S2022-12-07A
 Path: S2022-12-09B (15)
 Acquired: 2022/12/10 - 01:52

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (ΔRT-[min], ΔRT-CV[min], ΔRT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|----------------|--|---|------------|-------------------------------------|---------------------------------|---------------------------|-----------------------|----------------------------|------|
| 3:3FTCA | (241.0 / 177.0) N/A (241.0 / 117.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| 5:3FTCA | (341.0 / 236.7) N/A (341.0 / 217.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| 7:3FTCA | (441.0 / 317.0) N/A (441.0 / 337.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFEESA | (315.0 / 135.0) N/A (315.0 / 83.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFMPA | (229.0 / 85.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFMBA | (279.0 / 85.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| NFDHA | (201.0 / 85.0) N/A (295.0 / 201.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| 13C3_PFBA_IIS | (216.0 / 172.0) 88862 | (3.75, N/A) (N/A, -0.02, N/A) | 756.6 | N/A | 0.9244 [1.0000] | 92.4% { 101.5% } | | | |
| 13C2_PFHxA_IIS | (315.1 / 270.0) 127970 | (6.20, N/A) (N/A, -0.01, N/A) | 515.9 | N/A | 1.0363 [1.0000] | 103.6% { 98.7% } | | | |
| 13C4_PFOA_IIS | (417.0 / 372.0) 128549 | (7.95, N/A) (N/A, 0.00, N/A) | 553.3 | N/A | 1.0843 [1.0000] | 108.4% { 105.8% } | | | |
| 13C5_PFNA_IIS | (468.0 / 423.0) 96988 | (8.70, N/A) (N/A, 0.01, N/A) | 724.8 | N/A | 1.0184 [1.0000] | 101.8% { 98.7% } | | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|----------------|------------------------------|--|--------|-------------------------------------|---------------------------------|---------------------------|---|----------------------------|------|
| 13C2_PFDA_IIS | (515.1 / 470.1) 90675 | (9.38, N/A) (N/A, 0.01, N/A) | 315.9 | N/A | 1.1007 [1.0000] | 110.1% { 100.6% } |  | | |
| 18O2_PFHxS_IIS | (403.0 / 83.9) 219268 | (8.09, N/A) (N/A, 0.00, N/A) | 843.4 | N/A | 1.0216 [1.0000] | 102.2% { 104.7% } |  | | |
| 13C4_PFOS_IIS | (502.8 / 79.9) 203771 | (9.51, N/A) (N/A, 0.01, N/A) | 599.6 | N/A | 1.0948 [1.0000] | 109.5% { 106.7% } |  | | |
| 13C4_PFBA_EIS | (217.0 / 172.0) 674803 | (3.74, N/A) (N/A, -0.03, N/A) | 801.6 | N/A | 8.0998 [8.0000] | 101.2% { 103.0% } |  | | |
| 13C5_PFPeA_EIS | (267.9 / 223.0) 362303 | (5.07, N/A) (N/A, -0.01, N/A) | 1036.2 | N/A | 3.8812 [4.0000] | 97.0% { 104.2% } |  | | |
| 13C5_PFHxA_EIS | (318.0 / 273.0) 290738 | (6.20, N/A) (N/A, -0.01, N/A) | 1040.9 | N/A | 2.2274 [2.0000] | 111.4% { 110.8% } |  | | |
| 13C4_PFHpA_EIS | (367.0 / 322.0) 245935 | (7.14, N/A) (N/A, 0.00, N/A) | 606.8 | N/A | 2.0874 [2.0000] | 104.4% { 99.1% } |  | | |
| 13C8_PFOA_EIS | (421.0 / 376.0) 251272 | (7.95, N/A) (N/A, 0.00, N/A) | 746.5 | N/A | 1.9218 [2.0000] | 96.1% { 96.3% } |  | | |
| 13C9_PFNA_EIS | (472.0 / 427.0) 92060 | (8.70, N/A) (N/A, 0.00, N/A) | 353.5 | N/A | 0.9618 [1.0000] | 96.2% { 110.5% } |  | | |
| 13C6_PFDA_EIS | (519.0 / 474.0) 129919 | (9.38, N/A) (N/A, 0.00, N/A) | 501.9 | N/A | 0.9864 [1.0000] | 98.6% { 111.7% } |  | | |
| 13C7_PFUnA_EIS | (570.0 / 525.0) 198824 | (9.75, N/A) (N/A, 0.01, N/A) | 280.0 | N/A | 1.1246 [1.0000] | 112.5% { 98.8% } |  | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|-----------------|------------------------------|--|-------|-------------------------------------|---------------------------------|---------------------------|---|----------------------------|------|
| 13C2_PFDa_EIS | (615.0 / 570.0) 186360 | (9.92, N/A) (N/A, 0.01, N/A) | 545.4 | N/A | 0.8685 [1.0000] | 86.9% { 96.4% } |  | | |
| 13C2_PFTeDA_EIS | (715.0 / 670.0) 162985 | (10.14, N/A) (N/A, 0.00, N/A) | 322.3 | N/A | 1.0348 [1.0000] | 103.5% { 125.6% } |  | | |
| 13C3_PFBs_EIS | (302.0 / 80.0) 648361 | (6.17, N/A) (N/A, -0.01, N/A) | 852.0 | N/A | 2.0120 [2.0000] | 100.6% { 97.9% } |  | | |
| 13C3_PFHxS_EIS | (402.0 / 80.0) 384309 | (8.09, N/A) (N/A, 0.00, N/A) | 748.8 | N/A | 2.0951 [2.0000] | 104.8% { 108.9% } |  | | |
| 13C8_PFOS_EIS | (507.0 / 80.0) 621275 | (9.51, N/A) (N/A, 0.00, N/A) | 282.8 | N/A | 2.0000 [2.0000] | 100.0% { 103.6% } |  | | |
| 13C2_4:2FTS_EIS | (329.0 / 81.0) 75472 | (5.86, N/A) (N/A, -0.01, N/A) | 733.7 | N/A | 4.1526 [4.0000] | 103.8% { 105.5% } |  | | |
| 13C2_6:2FTS_EIS | (429.0 / 81.0) 97090 | (7.60, N/A) (N/A, 0.01, N/A) | 552.5 | N/A | 3.9818 [4.0000] | 99.5% { 108.0% } |  | | |
| 13C2_8:2FTS_EIS | (529.0 / 81.0) 106202 | (9.03, N/A) (N/A, 0.00, N/A) | 544.1 | N/A | 5.0180 [4.0000] | 125.5% { 122.5% } |  | | |
| 13C8_PFOsa_EIS | (506.0 / 78.0) 907526 | (10.19, N/A) (N/A, 0.01, N/A) | 385.4 | N/A | 1.9137 [2.0000] | 95.7% { 103.4% } |  | | |
| D3_NMeFOSA_EIS | (515.0 / 169.0) 246002 | (10.61, N/A) (N/A, 0.00, N/A) | 646.6 | N/A | 1.7530 [2.0000] | 87.7% { 103.2% } |  | | |
| D5_NEtFOSA_EIS | (531.1 / 169.0) 242088 | (10.70, N/A) (N/A, 0.00, N/A) | 728.6 | N/A | 1.9026 [2.0000] | 95.1% { 106.5% } |  | | |

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-I[μ min], Δ RT- CV[μ min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|-----------------|------------------------------|---|--------|-------------------------------------|---------------------------------|---------------------------|--|----------------------------|------|
| D3_MeFOSAA_EIS | (573.0 / 419.0) 261794 | (9.55, N/A) (N/A, 0.01, N/A) | 423.1 | N/A | 3.7881 [4.0000] | 94.7% { 96.6% } |  | | |
| D5_EtFOSAA_EIS | (589.0 / 419.0) 242501 | (9.71, N/A) (N/A, 0.01, N/A) | 227.1 | N/A | 4.0825 [4.0000] | 102.1% { 110.1% } |  | | |
| D7_NMeFOSE_EIS | (623.2 / 58.9) 526243 | (10.58, N/A) (N/A, 0.01, N/A) | 938.3 | N/A | 21.9553 [20.0000] | 109.8% { 110.7% } |  | | |
| D9_NEtFOSE_EIS | (639.2 / 58.9) 284577 | (10.67, N/A) (N/A, 0.00, N/A) | 1261.1 | N/A | 23.3016 [20.0000] | 116.5% { 120.0% } |  | | |
| 13C3_HFPODA_EIS | (287.0 / 169.0) 732631 | (6.55, N/A) (N/A, -0.01, N/A) | 986.3 | N/A | 8.5222 [8.0000] | 106.5% { 109.2% } |  | | |

ANALYSIS SEQUENCE BLANKS

Laboratory:N APPL, L CL SDG:N
 Client:N Tidewater, Inc.L Project:N NASA JPL SIL
 Sequence:N SB03769L Instrument:N Saphira
 Calibration:N 2250016L

| Lab Sample IDN | AnalyteN | FoundN | UnitsN | RLN | CN |
|----------------|---------------|--------|--------|-----|----|
| SB03769-CCB4 0 | PFBA0 | .0 | ng/mL0 | .50 | U |
| | PFPEA0 | .0 | ng/mL0 | .50 | U |
| | PFHXA0 | .0 | ng/mL0 | .50 | U |
| | PFHPA0 | .0 | ng/mL0 | .50 | U |
| | PFOA0 | .0 | ng/mL0 | .50 | U |
| | PFNA0 | .0 | ng/mL0 | .50 | U |
| | PFDA0 | .0 | ng/mL0 | .50 | U |
| | PFUnA0 | .0 | ng/mL0 | .50 | U |
| | PFDOA0 | .0 | ng/mL0 | .50 | U |
| | PFTRDA0 | .0 | ng/mL0 | .50 | U |
| | PFTEDA0 | .0 | ng/mL0 | .50 | U |
| | PFBS0 | .0 | ng/mL0 | .50 | U |
| | PFPE0 | .0 | ng/mL0 | .50 | U |
| | PFHXS0 | .0 | ng/mL0 | .50 | U |
| | PFHPS0 | .0 | ng/mL0 | .50 | U |
| | PFOS0 | .0 | ng/mL0 | .50 | U |
| | PFNS0 | .0 | ng/mL0 | .50 | U |
| | PFDS0 | .0 | ng/mL0 | .50 | U |
| | 4:2FTS0 | .0 | ng/mL0 | .50 | U |
| | 6:2FTS0 | .0 | ng/mL0 | .50 | U |
| | 8:2FTS0 | .0 | ng/mL0 | .50 | U |
| | PFOSA0 | .0 | ng/mL0 | .50 | U |
| | NMeFOSA0 | .0 | ng/mL0 | .50 | U |
| | NEtFOSA0 | .0 | ng/mL0 | .50 | U |
| | NMeFOSAA0 | .0 | ng/mL0 | .50 | U |
| | NEtFOSAA0 | .0 | ng/mL0 | .50 | U |
| | NMeFOSE0 | .0 | ng/mL0 | .50 | U |
| | NEtFOSE0 | .0 | ng/mL0 | .50 | U |
| | HFPO-DA0 | .0 | ng/mL0 | .50 | U |
| | ADONA0 | .0 | ng/mL0 | .50 | U |
| | 9CL-PF3ONS0 | .0 | ng/mL0 | .50 | U |
| | 11CL-PF3OUDS0 | .0 | ng/mL0 | .50 | U |
| | 13C4-PFBA0 | 8.450 | ng/mL0 | | |

ANALYSIS SEQUENCE BLANKS

| | | | |
|---------------|------------------|--------------|--------------|
| Laboratory:N | APPL, L CL | SDG:N | |
| Client:N | Tidewater, Inc.L | Project:N | NASA JPL SIL |
| Sequence:N | SB03769L | Instrument:N | SaphiraL |
| Calibration:N | 2250016L | | |

| Lab Sample IDN | AnalyteN | FoundN | UnitsN | RLN | CN |
|----------------|---------------|--------|--------|-----|----|
| SB03769-CCB40 | 13C5-PFPEA0 | 3.640 | ng/mL0 | | |
| | 13C5-PFHXA0 | 2.110 | ng/mL0 | | |
| | 13C4-PFHPA0 | 1.980 | ng/mL0 | | |
| | 13C8-PFOA0 | 1.830 | ng/mL0 | | |
| | 13C9-PFNA0 | 1.040 | ng/mL0 | | |
| | 13C6-PFDA | 0.9170 | ng/mL0 | | |
| | 13C7-PFUnA | 0.9110 | ng/mL0 | | |
| | 13C2-PFDOA | 0.8010 | ng/mL0 | | |
| | 13C2-PFTEDA | 0.8370 | ng/mL0 | | |
| | 13C3-PFBS0 | 2.090 | ng/mL0 | | |
| | 13C3-PFHXS0 | 1.940 | ng/mL0 | | |
| | 13C8-PFOS0 | 2.0 | ng/mL0 | | |
| | 13C2-4:2FTS0 | 3.920 | ng/mL0 | | |
| | 13C2-6:2FTS0 | 3.880 | ng/mL0 | | |
| | 13C2-8:2FTS0 | 4.120 | ng/mL0 | | |
| | 13C8-PFOSA0 | 2.230 | ng/mL0 | | |
| | D3-NMEFOSA0 | 1.910 | ng/mL0 | | |
| | D5-NETFOSA0 | 2.230 | ng/mL0 | | |
| | D3-NMEFOSAA0 | 4.250 | ng/mL0 | | |
| | D5-NETFOSAA0 | 4.820 | ng/mL0 | | |
| | D7-NMEFOSE0 | 23.30 | ng/mL0 | | |
| | D9-NETFOSSE0 | 23.10 | ng/mL0 | | |
| | 13C3-HFPO-DA0 | 8.250 | ng/mL0 | | |



Chemist: ABK
 Instrument: Saphira
 Type: Sciex Q3 5500

Sample I.D.: SB03769-CCB4
 DF, IV: 1, 10.0µL
 Acquisition Method: 1633 2022-12-07.dam

Quant Method: 1633 - S2022-12-07A
 Path: S2022-12-09B (37)
 Acquired: 2022/12/10 - 06:31

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (ΔRT-[min], ΔRT-CV[min], ΔRT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|---------|--|---|------------|-------------------------------------|---------------------------------|---------------------------|-----------------------|----------------------------|------|
| PFBA | (212.9 / 169.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFPeA | (262.9 / 219.0) N/A (262.9 / 69.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFHxA | (313.0 / 269.0) N/A (313.0 / 119.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFHpA | (363.0 / 319.0) N/A (363.0 / 169.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFOA | (413.0 / 369.0) N/A (413.0 / 169.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFNA | (463.0 / 419.0) N/A (463.0 / 169.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFDA | (513.0 / 469.0) N/A (513.0 / 169.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFUnA | (563.0 / 519.0) N/A (563.0 / 169.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFDoA | (613.0 / 569.0) N/A (613.0 / 169.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFTrDA | (663.0 / 619.0) N/A (663.0 / 169.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFTeDA | (713.0 / 669.0) N/A (713.0 / 169.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |



Chemist: ABK
 Instrument: Saphira
 Type: Sciex Q3 5500

Sample I.D.: SB03769-CCB4
 DF, IV: 1, 10.0µL
 Acquisition Method: 1633 2022-12-07.dam

Quant Method: 1633 - S2022-12-07A
 Path: S2022-12-09B (37)
 Acquired: 2022/12/10 - 06:31

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (ΔRT-I[min], ΔRT-CV[min], ΔRT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|---------|---|--|------------|-------------------------------------|---------------------------------|---------------------------|-----------------------|----------------------------|------|
| PFBS | (298.9 / 80.0) N/A (298.9 / 99.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFPeS | (349.0 / 80.0) N/A (349.0 / 99.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFHxS | (399.0 / 80.0) N/A (399.0 / 99.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFHpS | (449.0 / 80.0) N/A (449.0 / 99.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFOS | (499.0 / 80.0) N/A (499.0 / 99.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFNS | (549.0 / 80.0) N/A (549.0 / 99.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFDS | (599.0 / 80.0) N/A (599.0 / 99.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFDoS | (698.9 / 80.0) N/A (698.9 / 99.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| 4:2FTS | (327.0 / 307.0) N/A (327.0 / 81.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| 6:2FTS | (427.0 / 407.0) N/A (427.0 / 81.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| 8:2FTS | (527.0 / 507.0) N/A (527.0 / 81.0) N/A | (N/A , N/A) (N/A , N/A , N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |



Chemist: ABK
 Instrument: Saphira
 Type: Sciex Q3 5500

Sample I.D.: SB03769-CCB4
 DF, IV: 1, 10.0µL
 Acquisition Method: 1633 2022-12-07.dam

Quant Method: 1633 - S2022-12-07A
 Path: S2022-12-09B (37)
 Acquired: 2022/12/10 - 06:31

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (Δ RT-[min], Δ RT- CV[min], Δ RT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|--------------|--|--|------------|-------------------------------------|---------------------------------|---------------------------|-----------------------|----------------------------|------|
| PFOSA | (498.0 / 78.0) N/A (498.0 / 478.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| NMeFOSA | (511.9 / 219.0) N/A (511.9 / 169.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| NEtFOSA | (526.0 / 219.0) N/A (526.0 / 169.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| NMeFOSAA | (570.0 / 419.0) N/A (570.0 / 483.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| NEtFOSAA | (584.0 / 419.0) N/A (584.0 / 526.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| NMeFOSE | (616.1 / 59.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| NEtFOSE | (630.0 / 59.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| HFPO-DA | (285.0 / 169.0) N/A (285.0 / 185.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| ADONA | (377.0 / 85.0) N/A (377.0 / 251.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| 9CI-Pf3ONS | (531.0 / 351.0) N/A (533.0 / 353.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| 11CI-PF3OUDS | (631.0 / 451.0) N/A (633.0 / 453.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |



Chemist: ABK
 Instrument: Saphira
 Type: Sciex Q3 5500

Sample I.D.: SB03769-CCB4
 DF, IV: 1, 10.0µL
 Acquisition Method: 1633 2022-12-07.dam

Quant Method: 1633 - S2022-12-07A
 Path: S2022-12-09B (37)
 Acquired: 2022/12/10 - 06:31

| Analyte | (Q1 / Q3) Area Counts*min | R.T. (R.T [min], R.R.T.) (ΔRT-[min], ΔRT-CV[min], ΔRT ion[s]) | S / N | Ion Ratio IR Vs MP% IR Vs CV% | Concentration [True] ng/mL | Q.C. Rec. {Area%CV} | Primary Transition | Confirmation Transition | Flag |
|----------------|--|---|------------|-------------------------------------|---------------------------------|---------------------------|-----------------------|----------------------------|------|
| 3:3FTCA | (241.0 / 177.0) N/A (241.0 / 117.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| 5:3FTCA | (341.0 / 236.7) N/A (341.0 / 217.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| 7:3FTCA | (441.0 / 317.0) N/A (441.0 / 337.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFEESA | (315.0 / 135.0) N/A (315.0 / 83.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFMPA | (229.0 / 85.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| PFMBA | (279.0 / 85.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| NFDHA | (201.0 / 85.0) N/A (295.0 / 201.0) N/A | (N/A, N/A) (N/A, N/A, N/A) | N/A N/A | N/A 0.0 0.0 | 0.0000 | N/A | | | |
| 13C3_PFBA_IIS | (216.0 / 172.0) 82522 | (3.76, N/A) (N/A, -0.01, N/A) | 785.4 | N/A | 0.8585 [1.0000] | 85.8% { 94.3% } | | | |
| 13C2_PFHxA_IIS | (315.1 / 270.0) 126205 | (6.21, N/A) (N/A, -0.01, N/A) | 370.8 | N/A | 1.0220 [1.0000] | 102.2% { 97.3% } | | | |
| 13C4_PFOA_IIS | (417.0 / 372.0) 130671 | (7.94, N/A) (N/A, -0.01, N/A) | 864.7 | N/A | 1.1022 [1.0000] | 110.2% { 107.6% } | | | |
| 13C5_PFNA_IIS | (468.0 / 423.0) 88259 | (8.68, N/A) (N/A, -0.02, N/A) | 377.5 | N/A | 0.9267 [1.0000] | 92.7% { 89.9% } | | | |