

Pender County

605 E. Fremont Street
Burgaw, NC 28425

Pender County WTP
Samples Received: 05/24/21

Analytical Report
0521-761

Isotope Dilution Method
PFAS



Enthalpy Analytical, LLC – Ultratrace

Laura Boivin

M: 910-520-2526 / F: 910-212-5866

laura.boivin@enthalpy.com / www.enthalpy.com

2714 Exchange Drive, Wilmington, NC 28405

Enthalpy Analytical

Job No.: 0521-761-1 PFAS by Isotope Dilution (non-potable water)
 Pender County Site: Pender County WTP

Enthalpy ID 0521-761-001-1 Prep Batch EU11665 Sample Vol (mL) 284.1
 Sample Name Combined Filter Prep Date 2021-05-28 15:44 Extract Vol (mL) 0.4
 Matrix Aqueous Analysis Date 2021-05-28 18:14 Dilution Factor 1
 Sampling Date 20210524 00:00 Analyst rappelle Method Code WM-026
 Received Date 2021-05-24 10:00 Instrument Kili Sample Type Sample

| | Compound | CAS | Extract Concentration ng/L | Sample Concentration ng/L | Formatted Result ng/L | LOD ng/L | LOQ ng/L | Recovery Limits | Recovery | Flags |
|------------|--------------------|-------------|----------------------------|---------------------------|-----------------------|----------|----------|-----------------|----------|-------|
| Acids | PFBA | 375-22-4 | 3145.05 | 4.43 | 4.43 | 0.135 | 0.268 | | | |
| | PFPeA | 2709-90-3 | 5504.62 | 7.75 | 7.75 | 0.150 | 0.288 | | | |
| | PFHxA | 307-24-4 | 4604.79 | 6.48 | 6.48 | 0.170 | 0.288 | | | |
| | PFHpA | 375-85-8 | 2891.80 | 4.07 | 4.07 | 0.107 | 0.268 | | | |
| | PFOA | 335-67-1 | 5216.84 | 7.35 | 7.35 | 0.156 | 0.288 | | | |
| | PFNA | 375-95-1 | 638.78 | 0.889 | 0.889 | 0.0670 | 0.268 | | | |
| | PFDA | 335-76-2 | 378.15 | 0.532 | 0.532 | 0.0744 | 0.268 | | | |
| | PFUnDA | 2058-94-8 | 78.30 | 0.110 | <LOD | 0.163 | 0.268 | | | U |
| | PFDoDA | 307-55-1 | 14.42 | 0.0203 | <LOD | 0.178 | 0.268 | | | U |
| | PFTeDA | 72628-94-8 | 7.75 | 0.0109 | <LOD | 0.133 | 0.268 | | | U |
| PFTrDA | 376-06-7 | ND | ND | <LOD | 0.192 | 0.268 | | | U | |
| Sulfonates | PFBS | 375-73-5 | 2838.94 | 3.99 | 3.99 | 0.312 | 0.312 | | | |
| | PFPeS | 2706-91-4 | 613.22 | 0.863 | 0.863 | 0.161 | 0.262 | | | |
| | PFHxS | 355-46-4 | 2854.42 | 4.16 | 4.16 | 0.168 | 0.245 | | | |
| | PFHpS | 375-82-8 | 300.70 | 0.423 | 0.423 | 0.119 | 0.265 | | | |
| | PFOS | 1763-23-1 | 8495.64 | 12.0 | 12.0 | 0.141 | 0.248 | | | |
| | PFNS | 68259-12-1 | ND | ND | <LOD | 0.0760 | 0.268 | | | U |
| | PFDS | 335-77-3 | ND | ND | <LOD | 0.169 | 0.259 | | | U |
| | 4:2 FTS | 757124-72-4 | ND | ND | <LOD | 0.104 | 0.251 | | | U |
| | 6:2 FTS | 27618-87-2 | 86.28 | 0.136 | 0.136 | 0.102 | 0.255 | | | J |
| | 8:2 FTS | 39108-84-4 | ND | ND | <LOD | 0.150 | 0.258 | | | U |
| other | PFOSA | 754-91-6 | ND | ND | <LOD | 0.114 | 0.268 | | | U |
| | N-MeFOSAA | 2355-31-8 | 27.22 | 0.0393 | <LOD | 0.127 | 0.268 | | | U |
| | N-EtFOSAA | 2691-50-6 | ND | ND | <LOD | 0.0959 | 0.268 | | | U |
| | HFPO-DA | 13252-13-6 | 8918.47 | 12.6 | 12.6 | 0.201 | 0.268 | | | |
| | PFMOA | 674-13-5 | 49336.37 | 69.5 | 69.5 | 1.30 | 1.27 | | | |
| | PFMOPhA | 377-73-1 | 19.52 | 0.0275 | <LOD | 0.211 | 0.268 | | | U |
| | PFO2HxA | 39492-88-1 | 10470.38 | 14.7 | 14.7 | 1.30 | 1.27 | | | |
| | PFO3OA | 39492-89-2 | 5558.09 | 7.83 | 7.83 | 1.30 | 1.27 | | | |
| | PFO4DA | 38492-80-5 | ND | ND | <LOD | 1.30 | 2.65 | | | U |
| | Nafion Byproduct 1 | 29311-67-9 | 17.22 | 0.0242 | <LOD | 0.211 | 0.268 | | | U |
| | ADONA | 919005-14-4 | ND | ND | <LOD | 0.108 | 0.253 | | | U |
| | 9Cl-PF3ONS | 756426-58-1 | ND | ND | <LOD | 0.106 | 0.248 | | | U |
| | 11Cl-PF3OUdS | 763051-92-9 | 7.84 | 0.0110 | <LOD | 0.106 | 0.252 | | | U |
| | 10:2 FTS | 120226-80-0 | ND | ND | <LOD | 0.211 | 0.268 | | | U |
| | FBSA | 30334-69-1 | 431.81 | 0.608 | 0.608 | 0.211 | 0.268 | | | U |
| | Nafion Byproduct 2 | 749836-20-2 | 266.85 | 0.376 | <LOD | 1.30 | 0.268 | | | U |
| | N-EtFOSA | 4151-50-2 | ND | ND | <LOD | 0.211 | 0.268 | | | U |
| | N-EtFOSE | 1691-99-2 | ND | ND | <LOD | 6.34 | 6.34 | | | U |
| | NFDHA | 151772-58-8 | ND | ND | <LOD | 0.211 | 0.268 | | | U |
| | N-MeFOSA | 31506-33-8 | ND | ND | <LOD | 0.211 | 0.268 | | | U |
| N-MeFOSE | 24448-09-7 | ND | ND | <LOD | 6.34 | 6.34 | | | U | |
| PEPA | 267239-61-2 | 6171.02 | 8.69 | 8.69 | 1.30 | 1.27 | | | | |
| PFECa-G | 801212-56-9 | ND | ND | <LOD | 1.30 | 1.27 | | | U | |
| PFEEsA | 113507-82-7 | ND | ND | <LOD | 0.211 | 0.268 | | | U | |
| PFHxDA | 67905-19-5 | ND | ND | <LOD | 1.30 | 1.27 | | | U | |
| PFMOBA | 863090-89-5 | ND | ND | <LOD | 1.30 | 1.27 | | | U | |
| PFOSDA | 39492-91-6 | ND | ND | <LOD | 2.65 | 2.65 | | | U | |
| PMPA | 13140-28-9 | 11979.53 | 16.4 | 16.4 | 1.30 | 1.27 | | | | |
| ES | MFPBA | | 4519.10 | 6.36 | | | | 20-150% | 80.4% | |
| | M5PFPeA | | 10381.19 | 14.6 | | | | 20-150% | 207.6% | Q |
| | M3PFBS | | 17334.45 | 24.4 | | | | 20-150% | 346.7% | Q |
| | M2-4:2 FTS | | 10539.79 | 14.8 | | | | 20-150% | 210.8% | Q |
| | M8PFHxA | | 4328.68 | 6.09 | | | | 20-150% | 86.6% | |
| | M3HFPO-DA | | 4140.16 | 5.93 | | | | 20-150% | 82.8% | |
| | M4PFHpA | | 4526.64 | 6.37 | | | | 20-150% | 80.5% | |
| | M3PFHxS | | 4760.31 | 6.70 | | | | 20-150% | 95.2% | |
| | M2-6:2 FTS | | 5702.76 | 8.03 | | | | 20-150% | 114.1% | |
| | M8PFOA | | 4465.26 | 6.29 | | | | 20-150% | 89.3% | |
| | M9PFNA | | 4604.15 | 6.48 | | | | 20-150% | 92.1% | |
| | M8PFOS | | 4497.53 | 6.33 | | | | 20-150% | 90.0% | |
| | M2-8:2 FTS | | 3860.90 | 6.44 | | | | 20-150% | 77.2% | |
| | M8FOSA-I | | 2578.15 | 3.63 | | | | 20-150% | 51.6% | |
| | M6PFDA | | 4839.06 | 6.95 | | | | 20-150% | 98.8% | |
| | d3-N-MeFOSAA | | 3483.95 | 4.91 | | | | 20-150% | 89.7% | |
| | d5-N-EtFOSAA | | 3736.69 | 5.26 | | | | 20-150% | 74.7% | |
| | M7PFUnDA | | 4982.71 | 7.03 | | | | 20-150% | 89.9% | |
| | MPPDoA | | 3988.85 | 5.59 | | | | 20-150% | 79.3% | |
| | M2PFTeDA | | 3324.15 | 4.68 | | | | 20-150% | 66.5% | |

Enthalpy Analytical

Job No.: 0521-781-1 PFAS by Isotope Dilution (non-potable water)

Pender County Site: Pender County WTP

| | | | | | |
|---------------|------------------|---------------|------------------|------------------|--------|
| Enthalpy ID | 0521-781-002-1 | Prep Batch | EU11885 | Sample Vol (mL) | 278.17 |
| Sample Name | Pre-CW | Prep Date | 2021-05-28 15:44 | Extract Vol (mL) | 0.4 |
| Matrix | Aqueous | Analysis Date | 2021-05-28 16:39 | Dilution Factor | 1 |
| Sampling Date | 20210524 00:00 | Analyst | rappelle | Method Code | WM-026 |
| Received Date | 2021-05-24 10:00 | Instrument | Kili | Sample Type | Sample |

| | Compound | CAS | Extract Concentration ng/L | Sample Concentration ng/L | Formatted Result ng/L | LOD ng/L | LOQ ng/L | Recovery Limits | Recovery | Flags |
|--------------|--------------------|-------------|----------------------------|---------------------------|-----------------------|----------|----------|-----------------|----------|-------|
| Acids | PFBA | 375-22-4 | 3658.38 | 5.26 | 5.26 | 0.138 | 0.273 | | | |
| | PFPeA | 2706-90-3 | 5544.28 | 7.97 | 7.97 | 0.153 | 0.273 | | | |
| | PFHxA | 307-24-4 | 4716.40 | 6.78 | 6.78 | 0.173 | 0.273 | | | |
| | PFHpA | 375-85-9 | 2859.18 | 3.82 | 3.82 | 0.110 | 0.273 | | | |
| | PFOA | 335-67-1 | 2672.53 | 3.84 | 3.84 | 0.158 | 0.273 | | | |
| | PFNA | 375-95-1 | 216.95 | 0.312 | 0.312 | 0.0884 | 0.273 | | | |
| | PFDA | 335-76-2 | 52.42 | 0.0754 | <LOD | 0.0759 | 0.273 | | | U |
| | PFUnDA | 2058-94-8 | ND | ND | <LOD | 0.186 | 0.273 | | | U |
| | PFDoDA | 307-55-1 | ND | ND | <LOD | 0.182 | 0.273 | | | U |
| | PFTeDA | 72629-94-8 | ND | ND | <LOD | 0.136 | 0.273 | | | U |
| PFTeDA | 376-06-7 | ND | ND | <LOD | 0.196 | 0.273 | | | U | |
| Sulfonates | PFBS | 375-73-5 | 2950.87 | 4.24 | 4.24 | 0.319 | 0.319 | | | |
| | PFPeS | 2706-91-4 | 418.48 | 0.602 | 0.602 | 0.185 | 0.257 | | | |
| | PFHxS | 365-48-4 | 1441.41 | 2.07 | 2.07 | 0.172 | 0.250 | | | |
| | PFHpS | 375-92-8 | ND | ND | <LOD | 0.121 | 0.260 | | | U |
| | PFOS | 1763-23-1 | 1880.55 | 2.39 | 2.39 | 0.144 | 0.253 | | | |
| | PFNS | 88259-12-1 | ND | ND | <LOD | 0.0777 | 0.263 | | | U |
| | PFDS | 335-77-3 | ND | ND | <LOD | 0.173 | 0.263 | | | U |
| | 4:2 FTS | 757124-72-4 | ND | ND | <LOD | 0.106 | 0.256 | | | U |
| | 6:2 FTS | 27619-97-2 | 30.89 | 0.0441 | <LOD | 0.104 | 0.260 | | | U |
| | 8:2 FTS | 58108-34-4 | ND | ND | <LOD | 0.154 | 0.262 | | | U |
| Other | PFOSA | 754-91-6 | ND | ND | <LOD | 0.117 | 0.273 | | | U |
| | N-MeFOSAA | 2355-31-9 | ND | ND | <LOD | 0.129 | 0.273 | | | U |
| | N-EtFOSAA | 2691-50-6 | ND | ND | <LOD | 0.0980 | 0.273 | | | U |
| | HFPO-DA | 13252-13-6 | 6781.19 | 9.75 | 9.75 | 0.205 | 0.273 | | | |
| | PFMOA | 674-13-5 | 43888.10 | 62.8 | 62.8 | 1.33 | 1.29 | | | |
| | PFMOPrA | 377-73-1 | 17.10 | 0.0246 | <LOD | 0.215 | 0.273 | | | U |
| | PFODHxA | 39492-89-1 | 8707.57 | 12.5 | 12.5 | 1.35 | 1.29 | | | |
| | PFOSOA | 39492-89-2 | 3988.95 | 5.75 | 5.75 | 1.33 | 1.29 | | | |
| | PFO4DA | 39492-90-5 | ND | ND | <LOD | 1.33 | 2.70 | | | U |
| | Nation Byproduct 1 | 26311-67-9 | ND | ND | <LOD | 0.216 | 0.273 | | | U |
| | ADONA | 919005-14-4 | ND | ND | <LOD | 0.109 | 0.259 | | | U |
| | 8Cl-PF3ONS | 756426-58-1 | ND | ND | <LOD | 0.109 | 0.256 | | | U |
| | 11Cl-PF3OUdS | 763051-82-8 | ND | ND | <LOD | 0.108 | 0.257 | | | U |
| | 10:2 FTS | 120226-90-0 | ND | ND | <LOD | 0.216 | 0.273 | | | U |
| | FBSA | 30334-69-1 | 91.03 | 0.131 | <LOD | 0.216 | 0.273 | | | U |
| | Nation Byproduct 2 | 749836-20-2 | 218.32 | 0.314 | <LOD | 1.33 | 0.273 | | | U |
| | N-EtFOSA | 4151-50-2 | ND | ND | <LOD | 0.216 | 0.273 | | | U |
| | N-EtFOSE | 1691-99-2 | ND | ND | <LOD | 6.47 | 6.47 | | | U |
| | NFDHA | 151772-58-6 | ND | ND | <LOD | 0.216 | 0.273 | | | U |
| | N-MeFOSA | 31506-32-8 | ND | ND | <LOD | 0.216 | 0.273 | | | U |
| N-MeFOSE | 24448-09-7 | ND | ND | <LOD | 6.47 | 6.47 | | | U | |
| ES | PEPA | 267239-81-2 | 3587.46 | 5.13 | 5.13 | 1.33 | 1.29 | | | |
| | PFECa-G | 801212-59-9 | ND | ND | <LOD | 1.33 | 1.29 | | | U |
| | PFEESA | 113607-82-7 | ND | ND | <LOD | 0.216 | 0.273 | | | U |
| | PFHxDA | 67905-19-5 | ND | ND | <LOD | 1.33 | 1.29 | | | U |
| | PFMOBA | 883090-89-5 | ND | ND | <LOD | 1.33 | 1.29 | | | U |
| | PFOSDA | 39492-81-6 | ND | ND | <LOD | 2.70 | 2.70 | | | U |
| | PMPA | 13140-29-8 | 8904.24 | 11.9 | 11.9 | 1.33 | 1.29 | | | |
| | MPPeA | | 5009.89 | 7.20 | | | | 20-150% | 100.2% | |
| | M5PPeA | | 9982.68 | 14.4 | | | | 20-150% | 168.7% | Q |
| | M3PFBS | | 18583.68 | 23.8 | | | | 20-150% | 331.7% | Q |
| M2-4:2 FTS | | 9179.58 | 13.2 | | | | 20-150% | 183.6% | Q | |
| M5PFHxA | | 4852.15 | 6.69 | | | | 20-150% | 93.0% | | |
| M3HFPO-DA | | 5135.58 | 7.38 | | | | 20-150% | 102.7% | | |
| M4PFHpA | | 4748.03 | 6.83 | | | | 20-150% | 95.0% | | |
| M3PFHxS | | 5810.50 | 7.20 | | | | 20-150% | 100.2% | | |
| M2-6:2 FTS | | 6727.21 | 9.67 | | | | 20-150% | 134.5% | | |
| M8PFOA | | 5081.88 | 7.32 | | | | 20-150% | 101.8% | | |
| M8PFNA | | 5166.20 | 7.43 | | | | 20-150% | 103.3% | | |
| M8PFOS | | 4724.29 | 6.78 | | | | 20-150% | 94.5% | | |
| M2-8:2 FTS | | 6343.31 | 9.12 | | | | 20-150% | 126.9% | | |
| M8FOSA-I | | 3363.20 | 4.88 | | | | 20-150% | 67.7% | | |
| M6PFDA | | 4768.62 | 6.88 | | | | 20-150% | 95.4% | | |
| d3-N-MeFOSAA | | 4085.51 | 5.88 | | | | 20-150% | 81.9% | | |
| d5-N-EtFOSAA | | 4432.37 | 6.37 | | | | 20-150% | 88.8% | | |
| M7PFUdA | | 4684.76 | 6.74 | | | | 20-150% | 93.7% | | |
| MPPFdA | | 3809.54 | 5.48 | | | | 20-150% | 76.2% | | |
| M2PFTeDA | | 3301.07 | 4.75 | | | | 20-150% | 66.0% | | |

Enthalpy Analytical

Job No.: 0521-761-1 PFAS by Isotope Dilution (non-potable water)

Pender County Site: Pender County WTP

| | | | | | |
|---------------|------------------|---------------|------------------|------------------|--------|
| Enthalpy ID | 0521-761-003-1 | Prep Batch | EU11865 | Sample Vol (mL) | 274.23 |
| Sample Name | Post-CW | Prep Date | 2021-05-28 15:44 | Extract Vol (mL) | 0.4 |
| Matrix | Aqueous | Analysis Date | 2021-05-28 19:01 | Dilution Factor | 1 |
| Sampling Date | 20210524 00:00 | Analyst | rappelle | Method Code | WM-026 |
| Received Date | 2021-05-24 10:00 | Instrument | Kili | Sample Type | Sample |

| | Compound | CAS | Extract Concentration ng/L | Sample Concentration ng/L | Formatted Result ng/L | LOD ng/L | LOQ ng/L | Recovery Limits | Recovery | Flags |
|--------------|--------------------|-------------|----------------------------|---------------------------|-----------------------|----------|----------|-----------------|----------|-------|
| Acids | PFBA | 375-22-4 | 3792.52 | 5.53 | 5.53 | 0.139 | 0.277 | | | |
| | PFPeA | 2708-80-3 | 5544.37 | 8.09 | 8.09 | 0.155 | 0.277 | | | |
| | PFHxA | 307-24-4 | 5030.93 | 7.34 | 7.34 | 0.178 | 0.277 | | | |
| | PFHpA | 375-85-8 | 2545.18 | 3.71 | 3.71 | 0.111 | 0.277 | | | |
| | PFOA | 335-67-1 | 2763.58 | 4.03 | 4.03 | 0.161 | 0.277 | | | |
| | PFNA | 375-85-1 | 288.15 | 0.393 | 0.393 | 0.0894 | 0.277 | | | |
| | PFDA | 335-76-2 | 85.25 | 0.124 | 0.124 | 0.0770 | 0.277 | | | J |
| | PFUnDA | 2058-84-8 | 13.02 | 0.0190 | <LOD | 0.169 | 0.277 | | | U |
| | PFDoDA | 307-55-1 | ND | ND | <LOD | 0.184 | 0.277 | | | U |
| | PFTeDA | 72629-94-8 | ND | ND | <LOD | 0.138 | 0.277 | | | U |
| Sulfonates | PFTeDA | 378-06-7 | ND | ND | <LOD | 0.199 | 0.277 | | | U |
| | PFBS | 375-73-5 | 3187.42 | 4.65 | 4.65 | 0.324 | 0.324 | | | |
| | PFPeS | 2708-81-4 | 353.17 | 0.515 | 0.515 | 0.188 | 0.261 | | | |
| | PFHxS | 365-46-4 | 1779.15 | 2.80 | 2.80 | 0.174 | 0.254 | | | |
| | PFHpS | 376-82-8 | ND | ND | <LOD | 0.123 | 0.264 | | | U |
| | PFOS | 1783-23-1 | 1758.32 | 2.58 | 2.58 | 0.146 | 0.257 | | | |
| | PFNS | 88259-12-1 | ND | ND | <LOD | 0.0788 | 0.287 | | | U |
| | PFDS | 335-77-3 | ND | ND | <LOD | 0.175 | 0.267 | | | U |
| | 4:2 FTS | 757124-72-4 | ND | ND | <LOD | 0.108 | 0.260 | | | U |
| | 8:2 FTS | 27618-87-2 | 34.90 | 0.0508 | <LOD | 0.106 | 0.264 | | | U |
| Other | 8:2 FTS | 39108-34-4 | ND | ND | <LOD | 0.156 | 0.265 | | | U |
| | PFOSA | 754-81-8 | ND | ND | <LOD | 0.118 | 0.277 | | | U |
| | N-MeFOSAA | 2355-31-9 | ND | ND | <LOD | 0.131 | 0.277 | | | U |
| | N-EFOSAA | 2891-50-6 | ND | ND | <LOD | 0.0894 | 0.277 | | | U |
| | HFPO-DA | 13252-13-6 | 8589.51 | 12.5 | 12.5 | 0.208 | 0.277 | | | |
| | PFMOA | 874-13-5 | 41160.95 | 60.0 | 60.0 | 1.35 | 1.31 | | | |
| | PFMOPrA | 377-73-1 | 17.20 | 0.0251 | <LOD | 0.218 | 0.277 | | | U |
| | PF2HxA | 38482-88-1 | 8944.42 | 13.0 | 13.0 | 1.35 | 1.31 | | | |
| | PF3OxA | 38482-89-2 | 3721.87 | 5.43 | 5.43 | 1.35 | 1.31 | | | |
| | PF4DxA | 38482-90-5 | ND | ND | <LOD | 1.35 | 2.74 | | | U |
| ES | Nafion Byproduct 1 | 29311-67-8 | ND | ND | <LOD | 0.218 | 0.277 | | | U |
| | ADONA | 819005-14-4 | ND | ND | <LOD | 0.109 | 0.283 | | | U |
| | 9Cl-PF3ONS | 758428-58-1 | ND | ND | <LOD | 0.109 | 0.258 | | | U |
| | 11Cl-PF3OUdS | 763051-82-8 | ND | ND | <LOD | 0.109 | 0.281 | | | U |
| | 10:2 FTS | 120226-80-0 | ND | ND | <LOD | 0.218 | 0.277 | | | U |
| | FBSA | 30334-69-1 | 99.81 | 0.146 | <LOD | 0.218 | 0.277 | | | U |
| | Nafion Byproduct 2 | 749836-20-2 | 248.28 | 0.382 | <LOD | 1.35 | 0.277 | | | U |
| | N-EFOSA | 4151-50-2 | ND | ND | <LOD | 0.218 | 0.277 | | | U |
| | N-EFOSE | 1691-89-2 | ND | ND | <LOD | 8.66 | 8.66 | | | U |
| | NFDHA | 151772-58-8 | ND | ND | <LOD | 0.218 | 0.277 | | | U |
| ES | N-MeFOSA | 31508-32-8 | ND | ND | <LOD | 0.218 | 0.277 | | | U |
| | N-MeFOSE | 24448-08-7 | ND | ND | <LOD | 8.66 | 8.66 | | | U |
| | PEPA | 267239-61-2 | 8165.34 | 8.89 | 8.89 | 1.35 | 1.31 | | | |
| | PFECa-G | 801212-59-9 | ND | ND | <LOD | 1.35 | 1.31 | | | U |
| | PFEESA | 113507-82-7 | ND | ND | <LOD | 0.218 | 0.277 | | | U |
| | PFHxDA | 87905-19-5 | ND | ND | <LOD | 1.35 | 1.31 | | | U |
| | PFMOBA | 883080-88-5 | ND | ND | <LOD | 1.35 | 1.31 | | | U |
| | PFOSDA | 39492-91-6 | ND | ND | <LOD | 2.74 | 2.74 | | | U |
| | PMPA | 13140-28-9 | 7642.61 | 11.1 | 11.1 | 1.35 | 1.31 | | | |
| | MPPBA | | 4881.51 | 7.27 | | | | 20-150% | 99.6% | |
| M5PFPeA | | 10488.15 | 15.3 | | | | 20-150% | 208.7% | Q | |
| M3PFBS | | 18714.40 | 27.3 | | | | 20-150% | 374.3% | Q | |
| M2-4:2 FTS | | 10024.69 | 14.6 | | | | 20-150% | 200.5% | Q | |
| M5PFHxA | | 3891.24 | 5.82 | | | | 20-150% | 79.8% | | |
| M3HFPO-DA | | 3670.57 | 5.38 | | | | 20-150% | 73.4% | | |
| M4PFHpA | | 4484.06 | 6.51 | | | | 20-150% | 89.3% | | |
| M3PFHxS | | 4344.41 | 8.34 | | | | 20-150% | 86.8% | | |
| M2-6:2 FTS | | 7714.62 | 11.3 | | | | 20-150% | 154.3% | Q | |
| M8PFOA | | 4746.68 | 6.92 | | | | 20-150% | 94.9% | | |
| M9PFNA | | 4729.75 | 6.90 | | | | 20-150% | 94.8% | | |
| M9PFOS | | 4694.00 | 6.85 | | | | 20-150% | 93.9% | | |
| M2-8:2 FTS | | 7137.84 | 10.4 | | | | 20-150% | 142.8% | | |
| M8FOSA-I | | 2182.54 | 3.18 | | | | 20-150% | 43.7% | | |
| M6PFDA | | 4970.63 | 7.25 | | | | 20-150% | 99.4% | | |
| d3-N-MeFOSAA | | 3778.67 | 5.61 | | | | 20-150% | 75.8% | | |
| d5-N-EFOSAA | | 4063.18 | 5.93 | | | | 20-150% | 81.3% | | |
| M7PFUdA | | 6074.03 | 7.40 | | | | 20-150% | 101.5% | | |
| MPFDoA | | 4335.19 | 8.32 | | | | 20-150% | 86.7% | | |
| M2PFTeDA | | 3815.50 | 5.27 | | | | 20-150% | 72.3% | | |