

# PFAS Certified Reference Material List of Analytes

To support U.S. EPA Methods for the determination of per- and polyfluorinated alkyl substances (PFAS) in drinking water, Phenova, a part of Phenomenex, has prepared native mixtures, at the same concentrations, that allow analytical labs to simply dilute the CRM and quickly make their standard curve. In addition, analytes are listed as acids to make calculations easier. The mixtures are technical grade standards that include branched and linear isomers.



| Part Number                                                        | AL0-101XXX  | AL0-101939 | AL0-101838 | AL0-101840 |                 |
|--------------------------------------------------------------------|-------------|------------|------------|------------|-----------------|
| CRMs are 2µg / mL in methanol ea. In 1 mL volume                   |             |            |            |            |                 |
|                                                                    | CAS RN      | EPA 1633   | EPA 537.1  | EPA 533    | EPA 533 + 537.1 |
| Perfluoroalkyl carboxylic acid (PFCA)                              |             |            |            |            |                 |
| Perfluorobutanoic acid (PFBA)                                      | 375-22-4    | ✓          | NA         | ✓          | ✓               |
| Perfluoropentanoic acid (PFPeA)                                    | 2706-90-3   | ✓          | NA         | ✓          | ✓               |
| Perfluorohexanoic acid (PFHxA)                                     | 307-24-4    | ✓          | ✓          | ✓          | ✓               |
| Perfluoroheptanoic acid (PFHpA)                                    | 375-85-9    | ✓          | ✓          | ✓          | ✓               |
| Perfluorooctanoic acid (PFOA)                                      | 335-67-1    | ✓          | ✓          | ✓          | ✓               |
| Perfluorononanoic acid (PFNA)                                      | 375-95-1    | ✓          | ✓          | ✓          | ✓               |
| Perfluorodecanoic acid (PFDA)                                      | 335-76-2    | ✓          | ✓          | ✓          | ✓               |
| Perfluoroundecanoic acid (PFUnA)                                   | 2058-94-8   | ✓          | ✓          | ✓          | ✓               |
| Perfluorododecanoic acid (PFDoA)                                   | 307-55-1    | ✓          | ✓          | ✓          | ✓               |
| Perfluorotridecanoic acid (PFTrDA)                                 | 72629-94-8  | ✓          | ✓          | NA         | ✓               |
| Perfluorotetradecanoic acid (PFTeDA)                               | 376-06-7    | ✓          | ✓          | NA         | ✓               |
| Perfluoroalkane sulfonic acid (PFSA)                               |             |            |            |            |                 |
| Perfluorobutanesulfonic acid (PFBS)                                | 375-73-5    | ✓          | ✓          | ✓          | ✓               |
| Perfluoropentanesulfonic acid (PFPeS)                              | 2706-91-4   | ✓          | NA         | ✓          | ✓               |
| Perfluorohexanesulfonic acid - br/lin (PFHxS)                      | 355-46-4    | ✓          | ✓          | ✓          | ✓               |
| Perfluoroheptanesulfonic acid (PFHpS)                              | 375-92-8    | ✓          | NA         | ✓          | ✓               |
| Perfluorooctanesulfonic acid - br/lin (PFOS)                       | 1763-23-1   | ✓          | ✓          | ✓          | ✓               |
| Perfluoroalkane sulfonamides (FASA) and derivatives                |             |            |            |            |                 |
| N-methyl perfluorooctanesulfonamidoacetic acid - br/lin (NMeFOSAA) | 2355-31-9   | ✓          | ✓          | NA         | ✓               |
| N-ethyl perfluorooctanesulfonamidoacetic acid - br/lin (NEtFOSAA)  | 2991-50-6   | ✓          | ✓          | NA         | ✓               |
| Fluorotelomer sulfonic acid (FTSA)                                 |             |            |            |            |                 |
| 4:2 Fluorotelomer sulfonic acid (4:2 FTS)                          | 757124-72-4 | ✓          | NA         | ✓          | ✓               |
| 6:2 Fluorotelomer sulfonic acid (6:2 FTS)                          | 27619-97-2  | ✓          | NA         | ✓          | ✓               |
| 8:2 Fluorotelomer sulfonic acid (8:2 FTS)                          | 39108-34-4  | ✓          | NA         | ✓          | ✓               |
| Perfluoroalkyl ether carboxylic acid (PFECA)                       |             |            |            |            |                 |
| Perfluoro-3-methoxypropanoic acid (PFMPA)                          | 377-73-1    | ✓          | NA         | ✓          | ✓               |
| Perfluoro-4-methoxybutanoic acid (PFMBA)                           | 863090-89-5 | ✓          | NA         | ✓          | ✓               |
| Hexafluoropropylene oxide dimer acid (HFPO-DA/GenX)                | 13252-13-6  | ✓          | ✓          | ✓          | ✓               |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)                         | 151772-58-6 | ✓          | NA         | ✓          | ✓               |
| 4,8-dioxa-3H-perfluorononanoic acid (ADONA)                        | 919005-14-4 | ✓          | ✓          | ✓          | ✓               |
| Polyfluoroalkyl ether sulfonic acid (PFESA)                        |             |            |            |            |                 |
| Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)                   | 113507-82-7 | ✓          | NA         | ✓          | ✓               |
| 9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)      | 756426-58-1 | ✓          | ✓          | ✓          | ✓               |
| 11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS) | 763051-92-9 | ✓          | ✓          | ✓          | ✓               |

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