

Proficiency Testing - PFAS - Non-Potable Water

| | |
|-----------------|----------------------------------------------------------------------------|
| Art. ID | ERA-599 |
| Unit | 2 mL (ampoule) |
| Deliverydetails | ADR Excepted Quantity (EQ) / AIR Excepted Quantity (EQ) UN1230 (6.1) II E2 |

Description

One 2 mL flame-sealed ampule yields in excess of 1.5 L after dilution. The diluted standard is certified for 44 analytes spiked at 20--400 ng/L . The sample is designed for LC/MS/MS methods for analyzing wastewater, specifically EPA Method 1633 (Draft), ASTM Method D8421-22 (Draft), and SW-846 Method 8327. This product is a replacement for 598 (PT), 403 (CRM), and 403QR (QR).

| Text/Information | Analyte/Parameter | CAS number | Concentration/Value | Unit | Method | Source |
|------------------|--------------------------------------------------------------------|---------------|---------------------|------|-------------------------------------|--------|
| | 11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS) | [n/a] | | | 40 low con c - 400 hi gh conc | ng/L |
| | 1H,1H,2H,2H-Perfluorodecanesulfonic acid | [39108-34-4] | | | 40 low con c - 400 hi gh conc | ng/L |
| | 1H,1H,2H,2H-Perfluorohexanesulfonic acid | [757124-72-4] | | | 40 low con c - 400 hi gh conc | ng/L |
| | 1H,1H,2H,2H-Perfluorooctanesulfonic acid | [27619-97-2] | | | 40 low con c - 400 hi gh conc | ng/L |
| | 2H,2H,3H,3H-Perfluorodecanoic acid | [812-70-4] | | | 40 low con c - 400 hi gh conc | ng/L |
| | 2H,2H,3H,3H-perfluorohexanoic acid (3:3 FTCA) | [356-02-5] | | | 40 low con c - 400 hi gh conc | ng/L |
| | 2H,2H,3H,3H-Perfluorooctanoic Acid | [914637-49-3] | | | 40 low con c - 400 hi gh conc | ng/L |
| | 2H-perfluoro-2-decenoic acid (FOUEA) | [70887-84-2] | | | 20 low con c - 200 hi gh conc | ng/L |
| | 2H-perfluoro-2-octenoic acid (FHUEA) | [70887-88-6] | | | 20 low con c - 200 hi gh conc | ng/L |

| | | | |
|-----------------------------------------------------------------|---------------|--------------------------------------|------|
| 4,8-dioxa-3H-perfluorononanoic acid (DONA) | [919005-14-4] | 40 low conc c - 400 hi gh conc | ng/L |
| 9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS) | | 40 low conc c - 400 hi gh conc | ng/L |
| Bis(trifluoromethane)sulfonimide | [82113-65-3] | 40 low conc c - 400 hi gh conc | ng/L |
| Hexafluoropropylene oxide dimer acid (HFPO-DA) | [13252-13-6] | 40 low conc c - 400 hi gh conc | ng/L |
| N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA) | [2991-50-6] | 20 low conc c - 200 hi gh conc | ng/L |
| N-Ethylperfluorooctanesulfonamide (NEtFOSA) | [4151-50-2] | 20 low conc c - 200 hi gh conc | ng/L |
| N-Ethylperfluorooctanesulfonamidoethanol (NEtFPOSE) | [1691-99-2] | 20 low conc c - 200 hi gh conc | ng/L |
| N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA) | [2355-31-9] | 20 low conc c - 200 hi gh conc | ng/L |
| N-Methylperfluorooctanesulfonamide (NMeFOSA) | [31506-32-8] | 20 low conc c - 200 hi gh conc | ng/L |
| N-Methylperfluorooctanesulfonamidoethanol (NMeFOSE) | [24448-09-7] | 20 low conc c - 200 hi gh conc | ng/L |
| Nonafluoro-3,6-dioxahexanoic acid (NFDHA) | [151772-58-6] | 40 low conc c - 400 hi gh conc | ng/L |
| Pentafluoropropanoic acid (PFPrA) | [422-64-0] | 40 low conc c - 400 hi gh conc | ng/L |
| Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA) | [113507-82-7] | 40 low conc c - 400 hi | ng/L |

| | | | |
|-----------------------------------------------|---------------|--------------------------|---------|
|) | | | gh conc |
| Perfluoro-3-methoxyprop anoic acid (PFMPA) | [377-73-1] | 40 low con c - 400 hi | ng/L |
| Perfluoro-4-methoxybuta noic acid (PFMBA) | [863090-89-5] | 40 low con c - 400 hi | ng/L |
| Perfluorobutanesulfonic acid (PFBS) | [375-73-5] | 20 low con c - 200 hi | ng/L |
| Perfluorobutanoic acid (PFBA) | [375-22-4] | 40 low con c - 400 hi | ng/L |
| Perfluorodecane sulfoni c acid (PFDS) | [335-77-3] | 20 low con c - 200 hi | ng/L |
| Perfluorodecanoic acid (PFDA) | [335-76-2] | 20 low con c - 200 hi | ng/L |
| Perfluorododecanesulfon ic acid (PFDoS) | [79780-39-5] | 20 low con c - 200 hi | ng/L |
| Perfluorododecanoic aci d (PFDoA) | [307-55-1] | 20 low con c - 200 hi | ng/L |
| Perfluoroheptane sulfon ic acid (PFHpS) | [375-92-8] | 20 low con c - 200 hi | ng/L |
| Perfluoroheptanoic acid (PFHpA) | [375-85-9] | 20 low con c - 200 hi | ng/L |
| Perfluorohexanesulfonic acid (PFHxS) | [355-46-4] | 20 low con c - 200 hi | ng/L |
| Perfluorohexanoic acid (PFHxA) | [307-24-4] | 20 low con c - 200 hi | ng/L |
| Perfluorononane sulfoni | [68259-12-1] | 20 low con | ng/L |

| | | | | |
|--------------------------------------------|--------------|--|------------|------|
| c acid (PFNS) | | | c - 200 hi | |
| | | | gh conc | |
| Perfluorononanoic acid (PFNA) | [375-95-1] | | 20 low con | ng/L |
| | | | c - 200 hi | |
| | | | gh conc | |
| Perfluorooctanesulfonam ide (PFOSA) | [754-91-6] | | 20 low con | ng/L |
| | | | c - 200 hi | |
| | | | gh conc | |
| Perfluorooctanesulfonic acid (PFOS) | [1763-23-1] | | 20 low con | ng/L |
| | | | c - 200 hi | |
| | | | gh conc | |
| Perfluorooctanoic acid (PFOA) | [335-67-1] | | 20 low con | ng/L |
| | | | c - 200 hi | |
| | | | gh conc | |
| Perfluoropentane sulfon ic acid (PFPeS) | [2706-91-4] | | 20 low con | ng/L |
| | | | c - 200 hi | |
| | | | gh conc | |
| Perfluoropentanoic acid (PFPeA) | [2706-90-3] | | 40 low con | ng/L |
| | | | c - 400 hi | |
| | | | gh conc | |
| Perfluorotetradecanoic acid (PFTDA) | [376-06-7] | | 20 low con | ng/L |
| | | | c - 200 hi | |
| | | | gh conc | |
| Perfluorotridecanoic ac id (PFTTrDA) | [72629-94-8] | | 20 low con | ng/L |
| | | | c - 200 hi | |
| | | | gh conc | |
| Perfluoroundecanoic aci d (PFUnA) | [2058-94-8] | | 20 low con | ng/L |
| | | | c - 200 hi | |
| | | | gh conc | |