

iFLUX



ANALYTICAL PACKAGES & INDIVIDUAL COMPOUND LIST FOR iFLUX SAMPLERS

iFLUX Samplers can be used for a wide range of chemical compounds in different measurement environments. An overview of chemical parameters is listed hereunder. The color code indicates the relevant cartridge type. Please contact iFLUX if you have specific questions.

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PFAS

Perfluorobutanoic acid (PFBA)	N-ethylperfluorooctanesulfonamidoacetic acid (EtPFOSAA)
Perfluorohexanoic acid (PFHxA)	8:2 Fluorotelomerphosphate diester (8:2 DiPAP)
Perfluoroheptanoic acid (PFHpA)	2,3,3,3-tetrafluor-2-(heptafluoropropoxy)propanoic acid (HFPO-DA)
Perfluorooctanoic acid (PFOA) (linear)	Perfluorohexanesulfonamide (PFHxSA)
Perfluorooctanoic acid - sum (PFOATotal)	Perfluorotridecanoic acid (PFTrDA)
Perfluorononanoic acid (PFNA)	Perfluorooctadecanoic acid (PFODA)
Perfluorodecanoic acid (PFDA)	Perfluoroundecane sulfonic acid (PFUnDS)
Perfluoroundecanoic acid (PFUnDA)	Perfluorododecane sulfonic acid (PFDoDS)
Perfluorododecanoic acid (PFDoDA)	Perfluorotridecane sulfonic acid (PFTrDS)
Perfluorotetradecanoic acid (PFTeDA)	6:2 Fluorotelomerphosphate diester (6:2 DiPAP)
Perfluorohexadecanoic acid (PFHxDA)	6:2/8:2 Fluorotelomerphosphatediester (6:2/8:2 DiPAP)
Perfluorobutane acid (PFBS)	11-Chloroeicosafuoro-3-oxaundecane-1-sulfonate (11Cl-PF3OuDS) (F-53B Minor)
Perfluorohexane sulfonic acid (PFHxS) (linear)	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonate (9Cl-PF3ONS) (F-53B Major)
Perfluorohexane sulfonic acid (PFHxSTotal)	Perfluoropentanoic acid (PFPeA)*
Perfluoroheptane sulfonic acid (PFHpS)	Perfluoropentane sulfonic acid (PFPeS)*
Perfluorooctane sulfonic acid (PFOS) (linear)	N-methylperfluorooctanesulfonamide (MePFOSA) (linear)*
Perfluorooctane sulfonic acid - sum (PFOSTotal)	N-methylperfluorooctanesulfonamide (MePFOSATotal)*
Perfluorononane sulfonic acid (PFNS)	4,8-Dioxa-3H-perfluorononanoic acid (DONA)*
Perfluorodecane sulfonic acid (PFDS)	Perfluoro-4-ethylcyclohexanesulfonic acid (PFECHS)*
4:2 Fluorotelomersulfonic acid (4:2 FTS)	Perfluorobutanesulfonamide (PFBSA)*
6:2 Fluorotelomersulfonic acid (6:2 FTS)	N-methylperfluorobutanesulfonamide (MePFBSA)*
8:2 Fluorotelomersulfonic acid (8:2 FTS)	N-Methyl-perfluorobutane-sulfonylamidoacetate (MePFBSAA)*
10:2 Fluorotelomersulfonic acid (10:2 FTS)	2H-Perfluoro-2-decenoic acid (FOUEA / 8:2 FTUCA)*
Perfluorooctane sulfonamide (PFOSA) (linear)	
Perfluorooctane sulfonamide - sum (PFOSA) (linear)	
N-ethylperfluorooctane sulfonamide (EtPFOSA) (linear)	
N-ethylperfluorooctane sulfonamide (EtPFOSATotal)	
N-methylperfluorooctane-sulfonamidoacetic acid (MePFOSAA)	

*Indicative list**

iFLUX



WATERFLUX

Tracer alcohols

BTEX-N-S-MTBE

Benzene^{CSIA}

Toluene^{CSIA}

Ethylbenzene^{CSIA}

O-Xylene^{CSIA}

M-,p-Xylenes^{CSIA}

Naphtalene

Styrene

MTBE

CHLOROBENZENES

Monochlorobenzene

1,2-Dichlorobenzene

1,3-Dichlorobenzene

1,4-Dichlorobenzene

1,2,3-Trichlorobenzene

1,2,4-Trichlorobenzene

1,3,5-Trichlorobenzene

CHLOROTULUENES

2-Chlorotoluene

4-Chlorotoluene

MINERAL OILS

Fraction C-10 – C-12

Fraction C-12 – C-20

Fraction C-20 – C-30

Fraction C-30 – C-40

Mineral oils (GC)

TRIMETHYBENZENES

1,2,3-trimethylbenzene

1,2,4-trimethylbenzene

1,3,5-trimethylbenzene

CHLORINATED SOLVENTS

Dichloromethane

1,1-Dichloroethane

1,2-Dichloroethane

Cis-1,2-dichloroethene^{CSIA}

Trans-1,2-dichloroethene

Trichloromethane

Trichloroethene^{CSIA}

1,1,1-Trichloroethane

1,1,2-Trichloroethane

Tetrachloromethane

Tetrachloroethene^{CSIA}

Vinylchloride^{CSIA}

POLYAROMATIC HYDROCARBONS

Naphtalene

Acenaphthylene

Acenaphtene

Fluorene

Fenanthrene

Anthracene

Fluoranthene

Pyrene

Benzo(a)anthracene

Chrysene

Benzo(b)fluoranthene

Benzo(k)fluoranthene

Benzo(a)pyrene

Dibenzo(ah)anthracene

Benzo(ghi)perylene

Indeno(123cd)pyrene

(CSIA) **Compound Specific
Analysis via IsoFlux**

In collaboration with:



Isodetect
Umweltmonitoring GmbH



POLYCHLORINATED BIPHENYLS

PCB 28 PCB 138
PCB 52 PCB 153
PCB 101 PCB 180
PCB 118

VOLATILE ORGANIC COMPOUNDS SPECIFIC

1,1,1,2-Tetrachloroethane
1,1,2-Trichloro-1,2,2-
trifluoroethane
1,1-Dichloroethene
1,1-Dichloropropane
1,1-Dichloropropene
1,2,3-Trichloropropane
1,2-Dibromoethane
1,2-Dichloropropane
1,3-Dichloropropane
2,2-Dichloropropane
2,3-Dichloropropene
2-Chloro-1,3-butadiene
2-Ethyltoluene
3-Chloro-1-propene
(allylchloride)
3-Ethyltoluene
4-Ethyltoluene
Bromobenzene
Bromochloromethane
Bromodichloromethane
Bromomethane
Chloroethane
cis-1,3-Dichloropropene
Cumene
Dibromochloromethane
Dibromomethane
Diisopropylether
ETBE (Ethyl tert-butyl
ether)
Ethylether

Hexachlorobutadiene
Iodomethane
TAME (Tert-Amyl Methyl
Ether)
trans-1,3-Dichloro-
propene
Tribromomethane
(Bromoform)
Trichloromonofluor-
methane

HEAVY METALS

Cadmium
Chromium
Copper
Lead
Nickel
Zinc

METAL SPECIFIC

Calcium
Iron
Potassium
Magnesium
Manganese
Sodium

NUTRIENT CATIONIC

Ammonium - N

HEAVY METAL SPECIFIC

Mercury
Arsenic

NUTRIENT ANIONIC

Nitrate-N
Sulfate

DIOXANE

1,4-Dioxane

Our trusted analytical partner:

