

Pease AFB – Surface Water Statistics Summary
17 April 2023

PFAS Compound	Surface Water RSL (Child)	Units	Frequency of detection	Frequency of RSL exceedance	Frequency of 10x RSL exceedance	Frequency of 100x RSL exceedance	Frequency of 1000x RSL exceedance
Perfluorohexanesulfonic acid (PFHxS)	1.75	µg/L	127 / 153	9 / 153	0 / 153	0 / 153	0 / 153
Perfluorononanoic acid (PFNA)	0.256	µg/L	55 / 153	0 / 153	0 / 153	0 / 153	0 / 153
Perfluorooctanesulfonic acid (PFOS)	0.203	µg/L	134 / 152	72 / 152	17 / 152	0 / 152	0 / 152
Perfluorooctanoic acid (PFOA)	0.304	µg/L	134 / 153	23 / 153	0 / 153	0 / 153	0 / 153
Perfluorobutanoic acid (PFBA)	101	µg/L	106 / 153	0 / 153	0 / 153	0 / 153	0 / 153
Perfluorobutanesulfonic acid (PFBS)	30.2	µg/L	110 / 153	0 / 153	0 / 153	0 / 153	0 / 153
4:2 Fluorotelomer sulfonate (4:2 FTS)	NA	µg/L	0 / 70	0 / 70	0 / 70	0 / 70	0 / 70
6:2 Fluorotelomer sulfonate (6:2 FTS)	NA	µg/L	80 / 153	0 / 153	0 / 153	0 / 153	0 / 153
8:2 Fluorotelomer sulfonate (8:2 FTS)	NA	µg/L	39 / 153	0 / 153	0 / 153	0 / 153	0 / 153
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	NA	µg/L	0 / 7	0 / 7	0 / 7	0 / 7	0 / 7
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	NA	µg/L	0 / 7	0 / 7	0 / 7	0 / 7	0 / 7
N-Ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	NA	µg/L	1 / 70	0 / 70	0 / 70	0 / 70	0 / 70
N-Methyl Perfluorooctane Sulfonamide (MEFOSA)	NA	µg/L	0 / 7	0 / 7	0 / 7	0 / 7	0 / 7
N-Methyl Perfluorooctane Sulfonamide (N-MeFOSA)	NA	µg/L	0 / 58	0 / 58	0 / 58	0 / 58	0 / 58
N-Methyl Perfluorooctane Sulfonamidoethanol (MEFOSE)	NA	µg/L	0 / 7	0 / 7	0 / 7	0 / 7	0 / 7
N-Methyl perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	NA	µg/L	0 / 70	0 / 70	0 / 70	0 / 70	0 / 70
Perfluorodecane sulfonate (PFDS)	NA	µg/L	0 / 77	0 / 77	0 / 77	0 / 77	0 / 77
Perfluorodecanoic acid (PFDA)	NA	µg/L	2 / 77	0 / 77	0 / 77	0 / 77	0 / 77
Perfluorododecanoic acid (PFDoA)	NA	µg/L	1 / 77	0 / 77	0 / 77	0 / 77	0 / 77
Perfluoroheptanesulfonic acid (PFHpS)	NA	µg/L	84 / 153	0 / 153	0 / 153	0 / 153	0 / 153
Perfluoroheptanoic acid (PFHpA)	NA	µg/L	111 / 153	0 / 153	0 / 153	0 / 153	0 / 153
Perfluorohexanoic acid (PFHxA)	NA	µg/L	127 / 153	0 / 153	0 / 153	0 / 153	0 / 153
Perfluorononanesulfonic acid (PFNS)	NA	µg/L	1 / 70	0 / 70	0 / 70	0 / 70	0 / 70
Perfluorooctane sulfonamide (PFOSA)	NA	µg/L	26 / 153	0 / 153	0 / 153	0 / 153	0 / 153
Perfluoropentanesulfonic acid (PFPeS)	NA	µg/L	39 / 70	0 / 70	0 / 70	0 / 70	0 / 70
Perfluoropentanoic acid (PFPeA)	NA	µg/L	129 / 153	0 / 153	0 / 153	0 / 153	0 / 153
Perfluorotetradecanoic acid (PFTeDA)	NA	µg/L	1 / 76	0 / 76	0 / 76	0 / 76	0 / 76
Perfluorotridecanoic acid (PFTrDA)	NA	µg/L	1 / 77	0 / 77	0 / 77	0 / 77	0 / 77
Perfluoroundecanoic acid (PFUnA)	NA	µg/L	0 / 77	0 / 77	0 / 77	0 / 77	0 / 77

Notes:

Highlighted rows represent PFAS compounds displayed on figures for 02 May 2023 Restoration Advisory Board presentation.

PFAS = Per- and polyfluoroalkyl substances

RSL = United States Environmental Protection Agency Regional Screening Level

µg/L = micrograms per liter – equivalent to parts per billion (ppb)

NA = No RSL available for associated compound