



DEPARTMENT OF THE AIR FORCE
48TH FIGHTER WING (USAFE)

27 November 2023

MEMORANDUM FOR DISTRIBUTION

FROM: 48 OMRS/SGXB

SUBJECT: 2023 RAF Lakenheath, RAF Mildenhall, and RAF Feltwell Per- and Polyfluoroalkyl Substances (PFAS) Sampling Results

1. In November 2023 the 48th Operational Medical Readiness Squadron Bioenvironmental Engineering Flight conducted sampling for 29 PFAS analytes at RAF Lakenheath, RAF Feltwell, and RAF Mildenhall. Sampling was performed using EPA Method 533 and EPA Method 537.1 in accordance with EPA requirements.

2. All PFAS sample results indicate all analytes are below the current 70 parts per trillion (ppt) EPA limit for drinking water. Sampling results in parts per trillion for each detected analyte at each location are below. All omitted analytes were not detected at any installation. RAF Feltwell is omitted from the table as no analytes were detected. A list of all PFAS analytes tested can be accessed via the following EPA link <https://www.epa.gov/dwucmr/fifth-unregulated-contaminant-monitoring-rule#scope>

Analyte	RAF Lakenheath	RAF Mildenhall
Perfluorooctanesulfonic acid (PFOS)	1.71 ¹	6.65
Perfluorooctanoic acid (PFOA)	ND	2.50
Perfluorobutanesulfonic acid (PFBS)	ND	3.38
Perfluorohexanoic acid (PFHxA)	1.57 ¹	11.5
Perfluoroheptanoic acid (PFHpA)	ND	2.63
Perfluorohexanesulfonic acid (PFHxS)	3.40	14.1
Perfluorobutanoic acid (PFBA)	ND	6.24
Perfluoropentanoic acid (PFPeA)	2.11	15.0
Perfluoropentanesulfonic acid (PFPeS)	ND	2.02

1 - Estimated concentration as it is below the limit the laboratory can reliably detect.

2 - ND = Not detected

3. If you have any questions or concerns regarding these results, please contact the Bioenvironmental Engineering Flight at DSN: 314-226-8047 or via e-mail at usaf.lakenheath.48-mdg.mbx.sgpb@health.mil.

JASON A CLARK, Capt, USAF, BSC
Bioenvironmental Engineering Operations Chief