



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

10 July 2024

MEMORANDUM FOR DISTRIBUTION

FROM: 48 OMRS/SGXB

SUBJECT: Follow-up Per- and Polyfluoroalkyl Substances (PFAS) Sampling Results for RAF Lakenheath and RAF Mildenhall

1. In May 2024, the 48th Operational Medical Readiness Squadron (OMRS) Bioenvironmental Engineering (BEE) Flight conducted follow-up PFAS sampling at RAF Lakenheath and RAF Mildenhall. This sampling was performed using EPA Method 533 in accordance with Assistant Secretary of Defense guidance.

2. Below are the current PFAS levels for all analytes detected at one or both installations. RAF Feltwell is exempt from testing as initial sampling performed in November 2023 resulted in no detection of any PFAS analytes. Results in italics are below the Minimum Reporting Level per the EPA fifth Unregulated Contaminant Monitoring Rule found at the following website <https://www.epa.gov/dwucmr/fifth-unregulated-contaminant-monitoring-rule#scope>. Bolded results are results above the current EPA guidelines for PFAS analytes per the 2024 PFAS Final Rule. <https://www.epa.gov/sdwa/and-polyfluoroalkyl-substances-pfas>

Analyte	RAF Lakenheath	RAF Mildenhall
Perfluorooctanesulfonic acid (PFOS)	<i>0.92</i>	7.1
Perfluorooctanoic acid (PFOA)	<i>0.62¹</i>	<i>2.4</i>
Perfluorobutanesulfonic acid (PFBS)	ND	<i>1.9</i>
Perfluorohexanoic acid (PFHxA)	<i>1.31¹</i>	<i>7.4</i>
Perfluoroheptanoic acid (PFHpA)	<i>0.66¹</i>	<i>1.99</i>
Perfluorohexanesulfonic acid (PFHxS)	<i>2.30</i>	17
Perfluorobutanoic acid (PFBA)	<i>0.76¹</i>	<i>3.29</i>
Perfluoropentanoic acid (PFPeA)	<i>1.5</i>	<i>7.3</i>
Perfluoropentanesulfonic acid (PFPeS)	<i>0.51¹</i>	<i>2.3</i>

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.

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