



DEPARTMENT OF THE AIR FORCE
501ST COMBAT SUPPORT WING (USAF)

4 January 2024

MEMORANDUM FOR DISTRIBUTION

FROM: 422 MDS/SGOJ

SUBJECT: 2023 RAF Croughton, RAF Welford, RAF Fairford, and RAF Blenheim Crescent Per- and Polyfluoroalkyl Substances (PFAS) Sampling Results

1. During November 2023, the 422nd Medical Squadron, the Bioenvironmental Engineering Flight conducted sampling for 29 PFAS analytes at RAF Croughton, RAF Welford, RAF Fairford, and RAF Blenheim Crescent IAW the *Memorandum for Sampling of Per-and Polyfluoroalkyl Substances in DoD-Owner Drinking Water Systems, 11 July 2023*. Sampling was performed using the EPA Method 533 and EPA Method 537.1 IAW EPA requirements.

2. All PFAS sample results indicate all analytes are below the current 70 parts per trillion (ppt) EPA limit for drinking water. The table below lists sampling results in parts per trillion for each detected analyte for each location. Multiple analytes were not detected and are omitted from the table. RAF Fairford is omitted from the table as no analytes were detected in analysis. 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 Croughton (ppt)	RAF Welford (ppt)	RAF Blenheim Crescent (ppt)
Perfluorooctanesulfonic acid (PFOS)	5.09	7.32	9.56
Perfluorooctanoic acid (PFOA)	5.06	ND	2.60
Perfluorobutanesulfonic acid (PFBS)	6.15	ND	3.12
Perfluorohexanoic acid (PFHxA)	7.12	ND	3.04
Perfluoroheptanoic acid (PFHpA)	4.56	ND	1.40
Perfluorohexanesulfonic acid (PFHxS)	3.41	4.20	5.22
Perfluorobutanoic acid (PFBA)	5.81	ND	4.51
Perfluoropentanoic acid (PFPeA)	7.39	ND	3.54
Perfluoropentanesulfonic acid (PFPeS)	ND	ND	ND
Fluorotelomer sulphonic acid 1.31 (6:2 FTS)	ND	1.31	ND

1. ND = Not Detected

3. If you any questions or concerns regarding these results, please contact the RAF Croughton Bioenvironmental Engineering office at DSN: (314) 236-8838.

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NCOIC, Environmental Health Program