



NAVFAC Hawaii P Harbor PFAS Groundwater Sampling Results

The table below shows validated sampling results for PFAS constituents in groundwater at NAVFAC Hawaii P Harbor as of June 30, 2023. These samples were collected and analyzed under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) by the Department of the Navy Environmental Restoration Program. This data is being provided for informational purposes only. Evaluation of the data is not final. The evaluation of the groundwater sample results will be considered final when the Site Inspection report is completed. When completed, the final report outlining the evaluation of the data will be available in the installation administrative record, which can be found here: <https://go.usa.gov/xhDVN>. Definitions for table columns can be found at the bottom of the table.

Installation Name	Sample Date	Field Sample ID	Analysis Method	CAS Number	Analyte Name	Analyte Abbreviation	Final Result	Limit of Detection	Final Units	Final Qualification
NAVFAC HAWAII P HARBOR	20181024	HZ054	537.1	1763-23-1	Perfluorooctanesulfonate	PFOS	516	4.42	NG_L	
NAVFAC HAWAII P HARBOR	20181024	HZ054	537.1	2058-94-8	Perfluoroundecanoic acid	PFUnA	ND	4.42	NG_L	U
NAVFAC HAWAII P HARBOR	20181024	HZ054	537.1	2355-31-9	N-Methyl perfluorooctanesulfonamidoacetic acid	NMeFOSAA	ND	4.42	NG_L	U
NAVFAC HAWAII P HARBOR	20181024	HZ054	537.1	2991-50-6	N-Ethyl perfluorooctanesulfonamidoacetic acid	NEtFOSAA	ND	4.42	NG_L	U
NAVFAC HAWAII P HARBOR	20181024	HZ054	537.1	307-24-4	Perfluorohexanoic acid	PFHxA	63.1	4.42	NG_L	
NAVFAC HAWAII P HARBOR	20181024	HZ054	537.1	307-55-1	Perfluorododecanoic acid	PFDoA	ND	4.42	NG_L	U
NAVFAC HAWAII P HARBOR	20181024	HZ054	537.1	335-67-1	Perfluorooctanoic acid	PFOA	63	4.42	NG_L	
NAVFAC HAWAII P HARBOR	20181024	HZ054	537.1	335-76-2	Perfluorodecanoic acid	PFDA	ND	4.42	NG_L	U
NAVFAC HAWAII P HARBOR	20181024	HZ054	537.1	355-46-4	Perfluorohexanesulfonic acid	PFHxS	229	4.42	NG_L	
NAVFAC HAWAII P HARBOR	20181024	HZ054	537.1	375-73-5	Perfluorobutanesulfonic acid	PFBS	27.8	4.42	NG_L	

Installation Name	Sample Date	Field Sample ID	Analysis Method	CAS Number	Analyte Name	Analyte Abbreviation	Final Result	Limit of Detection	Final Units	Final Qualification
NAVFAC HAWAII P HARBOR	20181024	HZ054	537.1	375-85-9	Perfluoroheptanoic acid	PFHpA	31.5	4.42	NG_L	
NAVFAC HAWAII P HARBOR	20181024	HZ054	537.1	375-95-1	Perfluorononanoic acid	PFNA	6.77	4.42	NG_L	J
NAVFAC HAWAII P HARBOR	20181024	HZ054	537.1	376-06-7	Perfluorotetradecanoic acid	PFTeDA	ND	4.42	NG_L	U
NAVFAC HAWAII P HARBOR	20181024	HZ054	537.1	72629-94-8	Perfluorotridecanoic acid	PFTrDA	ND	4.42	NG_L	U
NAVFAC HAWAII P HARBOR	20181024	HZ055	537.1	1763-23-1	Perfluorooctanesulfonate	PFOS	525	4.24	NG_L	
NAVFAC HAWAII P HARBOR	20181024	HZ055	537.1	2058-94-8	Perfluoroundecanoic acid	PFUnA	ND	4.24	NG_L	U
NAVFAC HAWAII P HARBOR	20181024	HZ055	537.1	2355-31-9	N-Methyl perfluorooctanesulfonamidoacetic acid	NMeFOSAA	ND	4.24	NG_L	U
NAVFAC HAWAII P HARBOR	20181024	HZ055	537.1	2991-50-6	N-Ethyl perfluorooctanesulfonamidoacetic acid	NEtFOSAA	ND	4.24	NG_L	U
NAVFAC HAWAII P HARBOR	20181024	HZ055	537.1	307-24-4	Perfluorohexanoic acid	PFHxA	69.2	4.24	NG_L	
NAVFAC HAWAII P HARBOR	20181024	HZ055	537.1	307-55-1	Perfluorododecanoic acid	PFDoA	ND	4.24	NG_L	U
NAVFAC HAWAII P HARBOR	20181024	HZ055	537.1	335-67-1	Perfluorooctanoic acid	PFOA	66.3	4.24	NG_L	
NAVFAC HAWAII P HARBOR	20181024	HZ055	537.1	335-76-2	Perfluorodecanoic acid	PFDA	ND	4.24	NG_L	U
NAVFAC HAWAII P HARBOR	20181024	HZ055	537.1	355-46-4	Perfluorohexanesulfonic acid	PFHxS	231	4.24	NG_L	
NAVFAC HAWAII P HARBOR	20181024	HZ055	537.1	375-73-5	Perfluorobutanesulfonic acid	PFBS	32.2	4.24	NG_L	
NAVFAC HAWAII P HARBOR	20181024	HZ055	537.1	375-85-9	Perfluoroheptanoic acid	PFHpA	33.9	4.24	NG_L	
NAVFAC HAWAII P HARBOR	20181024	HZ055	537.1	375-95-1	Perfluorononanoic acid	PFNA	7.1	4.24	NG_L	J
NAVFAC HAWAII P HARBOR	20181024	HZ055	537.1	376-06-7	Perfluorotetradecanoic acid	PFTeDA	ND	4.24	NG_L	U
NAVFAC HAWAII P HARBOR	20181024	HZ055	537.1	72629-94-8	Perfluorotridecanoic acid	PFTrDA	ND	4.24	NG_L	U
NAVFAC HAWAII P HARBOR	20210823	HZ063	537	1763-23-1	Perfluorooctanesulfonate	PFOS	5.92	4.17	NG_L	J

Installation Name	Sample Date	Field Sample ID	Analysis Method	CAS Number	Analyte Name	Analyte Abbreviation	Final Result	Limit of Detection	Final Units	Final Qualification
NAVFAC HAWAII P HARBOR	20210823	HZ063	537	2058-94-8	Perfluoroundecanoic acid	PFUnA	ND	4.17	NG_L	U
NAVFAC HAWAII P HARBOR	20210823	HZ063	537	2355-31-9	N-Methyl perfluorooctanesulfonamidoacetic acid	NMeFOSAA	ND	4.17	NG_L	UJ
NAVFAC HAWAII P HARBOR	20210823	HZ063	537	2991-50-6	N-Ethyl perfluorooctanesulfonamidoacetic acid	NEtFOSAA	ND	4.17	NG_L	U
NAVFAC HAWAII P HARBOR	20210823	HZ063	537	307-24-4	Perfluorohexanoic acid	PFHxA	ND	4.17	NG_L	U
NAVFAC HAWAII P HARBOR	20210823	HZ063	537	307-55-1	Perfluorododecanoic acid	PFDoA	ND	4.17	NG_L	U
NAVFAC HAWAII P HARBOR	20210823	HZ063	537	335-67-1	Perfluorooctanoic acid	PFOA	ND	4.17	NG_L	U
NAVFAC HAWAII P HARBOR	20210823	HZ063	537	335-76-2	Perfluorodecanoic acid	PFDA	ND	4.17	NG_L	U
NAVFAC HAWAII P HARBOR	20210823	HZ063	537	355-46-4	Perfluorohexanesulfonic acid	PFHxS	2.52	4.17	NG_L	J
NAVFAC HAWAII P HARBOR	20210823	HZ063	537	375-73-5	Perfluorobutanesulfonic acid	PFBS	ND	4.17	NG_L	U
NAVFAC HAWAII P HARBOR	20210823	HZ063	537	375-85-9	Perfluoroheptanoic acid	PFHpA	ND	4.17	NG_L	U
NAVFAC HAWAII P HARBOR	20210823	HZ063	537	375-95-1	Perfluorononanoic acid	PFNA	ND	4.17	NG_L	U
NAVFAC HAWAII P HARBOR	20210823	HZ063	537	376-06-7	Perfluorotetradecanoic acid	PFTeDA	ND	4.17	NG_L	U
NAVFAC HAWAII P HARBOR	20210823	HZ063	537	72629-94-8	Perfluorotridecanoic acid	PFTrDA	ND	4.17	NG_L	U
NAVFAC HAWAII P HARBOR	20210823	HZ064	537	1763-23-1	Perfluorooctanesulfonate	PFOS	7.27	4.1	NG_L	J
NAVFAC HAWAII P HARBOR	20210823	HZ064	537	2058-94-8	Perfluoroundecanoic acid	PFUnA	ND	4.1	NG_L	U
NAVFAC HAWAII P HARBOR	20210823	HZ064	537	2355-31-9	N-Methyl perfluorooctanesulfonamidoacetic acid	NMeFOSAA	ND	4.1	NG_L	UJ
NAVFAC HAWAII P HARBOR	20210823	HZ064	537	2991-50-6	N-Ethyl perfluorooctanesulfonamidoacetic acid	NEtFOSAA	ND	4.1	NG_L	U
NAVFAC HAWAII P HARBOR	20210823	HZ064	537	307-24-4	Perfluorohexanoic acid	PFHxA	ND	4.1	NG_L	U
NAVFAC HAWAII P HARBOR	20210823	HZ064	537	307-55-1	Perfluorododecanoic acid	PFDoA	ND	4.1	NG_L	U

Installation Name	Sample Date	Field Sample ID	Analysis Method	CAS Number	Analyte Name	Analyte Abbreviation	Final Result	Limit of Detection	Final Units	Final Qualification
NAVFAC HAWAII P HARBOR	20210823	HZ064	537	335-67-1	Perfluorooctanoic acid	PFOA	ND	4.1	NG_L	U
NAVFAC HAWAII P HARBOR	20210823	HZ064	537	335-76-2	Perfluorodecanoic acid	PFDA	ND	4.1	NG_L	U
NAVFAC HAWAII P HARBOR	20210823	HZ064	537	355-46-4	Perfluorohexanesulfonic acid	PFHxS	ND	4.1	NG_L	U
NAVFAC HAWAII P HARBOR	20210823	HZ064	537	375-73-5	Perfluorobutanesulfonic acid	PFBS	ND	4.1	NG_L	U
NAVFAC HAWAII P HARBOR	20210823	HZ064	537	375-85-9	Perfluoroheptanoic acid	PFHpA	ND	4.1	NG_L	U
NAVFAC HAWAII P HARBOR	20210823	HZ064	537	375-95-1	Perfluorononanoic acid	PFNA	ND	4.1	NG_L	U
NAVFAC HAWAII P HARBOR	20210823	HZ064	537	376-06-7	Perfluorotetradecanoic acid	PFTeDA	ND	4.1	NG_L	U
NAVFAC HAWAII P HARBOR	20210823	HZ064	537	72629-94-8	Perfluorotridecanoic acid	PFTrDA	ND	4.1	NG_L	U
NAVFAC HAWAII P HARBOR	20210823	HZ065	537	1763-23-1	Perfluorooctanesulfonate	PFOS	445	4.35	NG_L	
NAVFAC HAWAII P HARBOR	20210823	HZ065	537	2058-94-8	Perfluoroundecanoic acid	PFUnA	ND	4.35	NG_L	U
NAVFAC HAWAII P HARBOR	20210823	HZ065	537	2355-31-9	N-Methyl perfluorooctanesulfonamidoacetic acid	NMeFOSAA	ND	4.35	NG_L	U
NAVFAC HAWAII P HARBOR	20210823	HZ065	537	2991-50-6	N-Ethyl perfluorooctanesulfonamidoacetic acid	NEtFOSAA	ND	4.35	NG_L	U
NAVFAC HAWAII P HARBOR	20210823	HZ065	537	307-24-4	Perfluorohexanoic acid	PFHxA	77.5	4.35	NG_L	
NAVFAC HAWAII P HARBOR	20210823	HZ065	537	307-55-1	Perfluorododecanoic acid	PFDoA	ND	4.35	NG_L	U
NAVFAC HAWAII P HARBOR	20210823	HZ065	537	335-67-1	Perfluorooctanoic acid	PFOA	58.3	4.35	NG_L	
NAVFAC HAWAII P HARBOR	20210823	HZ065	537	335-76-2	Perfluorodecanoic acid	PFDA	ND	4.35	NG_L	U
NAVFAC HAWAII P HARBOR	20210823	HZ065	537	355-46-4	Perfluorohexanesulfonic acid	PFHxS	280	4.35	NG_L	
NAVFAC HAWAII P HARBOR	20210823	HZ065	537	375-73-5	Perfluorobutanesulfonic acid	PFBS	31.1	4.35	NG_L	
NAVFAC HAWAII P HARBOR	20210823	HZ065	537	375-85-9	Perfluoroheptanoic acid	PFHpA	40.6	4.35	NG_L	

Installation Name	Sample Date	Field Sample ID	Analysis Method	CAS Number	Analyte Name	Analyte Abbreviation	Final Result	Limit of Detection	Final Units	Final Qualification
NAVFAC HAWAII P HARBOR	20210823	HZ065	537	375-95-1	Perfluorononanoic acid	PFNA	6.79	4.35	NG_L	J
NAVFAC HAWAII P HARBOR	20210823	HZ065	537	376-06-7	Perfluorotetradecanoic acid	PFTeDA	ND	4.35	NG_L	U
NAVFAC HAWAII P HARBOR	20210823	HZ065	537	72629-94-8	Perfluorotridecanoic acid	PFTrDA	ND	4.35	NG_L	U
NAVFAC HAWAII P HARBOR	20210824	HZ067	537	1763-23-1	Perfluorooctanesulfonate	PFOS	1200	4.46	NG_L	
NAVFAC HAWAII P HARBOR	20210824	HZ067	537	2058-94-8	Perfluoroundecanoic acid	PFUnA	ND	4.46	NG_L	U
NAVFAC HAWAII P HARBOR	20210824	HZ067	537	2355-31-9	N-Methyl perfluorooctanesulfonamidoacetic acid	NMeFOSAA	ND	4.46	NG_L	U
NAVFAC HAWAII P HARBOR	20210824	HZ067	537	2991-50-6	N-Ethyl perfluorooctanesulfonamidoacetic acid	NEtFOSAA	ND	4.46	NG_L	U
NAVFAC HAWAII P HARBOR	20210824	HZ067	537	307-24-4	Perfluorohexanoic acid	PFHxA	803	4.46	NG_L	
NAVFAC HAWAII P HARBOR	20210824	HZ067	537	307-55-1	Perfluorododecanoic acid	PFDoA	ND	4.46	NG_L	U
NAVFAC HAWAII P HARBOR	20210824	HZ067	537	335-67-1	Perfluorooctanoic acid	PFOA	508	4.46	NG_L	
NAVFAC HAWAII P HARBOR	20210824	HZ067	537	335-76-2	Perfluorodecanoic acid	PFDA	ND	4.46	NG_L	U
NAVFAC HAWAII P HARBOR	20210824	HZ067	537	355-46-4	Perfluorohexanesulfonic acid	PFHxS	2120	4.46	NG_L	
NAVFAC HAWAII P HARBOR	20210824	HZ067	537	375-73-5	Perfluorobutanesulfonic acid	PFBS	178	4.46	NG_L	
NAVFAC HAWAII P HARBOR	20210824	HZ067	537	375-85-9	Perfluoroheptanoic acid	PFHpA	205	4.46	NG_L	J
NAVFAC HAWAII P HARBOR	20210824	HZ067	537	375-95-1	Perfluorononanoic acid	PFNA	11.7	4.46	NG_L	
NAVFAC HAWAII P HARBOR	20210824	HZ067	537	376-06-7	Perfluorotetradecanoic acid	PFTeDA	ND	4.46	NG_L	U
NAVFAC HAWAII P HARBOR	20210824	HZ067	537	72629-94-8	Perfluorotridecanoic acid	PFTrDA	ND	4.46	NG_L	U
NAVFAC HAWAII P HARBOR	20210824	HZ069	537	1763-23-1	Perfluorooctanesulfonate	PFOS	18700	21.9	NG_L	
NAVFAC HAWAII P HARBOR	20210824	HZ069	537	2058-94-8	Perfluoroundecanoic acid	PFUnA	ND	4.39	NG_L	U

Installation Name	Sample Date	Field Sample ID	Analysis Method	CAS Number	Analyte Name	Analyte Abbreviation	Final Result	Limit of Detection	Final Units	Final Qualification
NAVFAC HAWAII P HARBOR	20210824	HZ069	537	2355-31-9	N-Methyl perfluorooctanesulfonamidoacetic acid	NMeFOSAA	ND	4.39	NG_L	U
NAVFAC HAWAII P HARBOR	20210824	HZ069	537	2991-50-6	N-Ethyl perfluorooctanesulfonamidoacetic acid	NEtFOSAA	ND	4.39	NG_L	U
NAVFAC HAWAII P HARBOR	20210824	HZ069	537	307-24-4	Perfluorohexanoic acid	PFHxA	2110	4.39	NG_L	
NAVFAC HAWAII P HARBOR	20210824	HZ069	537	307-55-1	Perfluorododecanoic acid	PFDoA	ND	4.39	NG_L	U
NAVFAC HAWAII P HARBOR	20210824	HZ069	537	335-67-1	Perfluorooctanoic acid	PFOA	1020	4.39	NG_L	
NAVFAC HAWAII P HARBOR	20210824	HZ069	537	335-76-2	Perfluorodecanoic acid	PFDA	28.6	4.39	NG_L	
NAVFAC HAWAII P HARBOR	20210824	HZ069	537	355-46-4	Perfluorohexanesulfonic acid	PFHxS	3420	4.39	NG_L	
NAVFAC HAWAII P HARBOR	20210824	HZ069	537	375-73-5	Perfluorobutanesulfonic acid	PFBS	163	4.39	NG_L	
NAVFAC HAWAII P HARBOR	20210824	HZ069	537	375-85-9	Perfluoroheptanoic acid	PFHpA	1650	4.39	NG_L	
NAVFAC HAWAII P HARBOR	20210824	HZ069	537	375-95-1	Perfluorononanoic acid	PFNA	240	4.39	NG_L	
NAVFAC HAWAII P HARBOR	20210824	HZ069	537	376-06-7	Perfluorotetradecanoic acid	PFTeDA	ND	4.39	NG_L	U
NAVFAC HAWAII P HARBOR	20210824	HZ069	537	72629-94-8	Perfluorotridecanoic acid	PFTrDA	ND	4.39	NG_L	U
NAVFAC HAWAII P HARBOR	20210825	HZ071	537	1763-23-1	Perfluorooctanesulfonate	PFOS	990	4.2	NG_L	
NAVFAC HAWAII P HARBOR	20210825	HZ071	537	2058-94-8	Perfluoroundecanoic acid	PFUnA	ND	4.2	NG_L	U
NAVFAC HAWAII P HARBOR	20210825	HZ071	537	2355-31-9	N-Methyl perfluorooctanesulfonamidoacetic acid	NMeFOSAA	ND	4.2	NG_L	U
NAVFAC HAWAII P HARBOR	20210825	HZ071	537	2991-50-6	N-Ethyl perfluorooctanesulfonamidoacetic acid	NEtFOSAA	ND	4.2	NG_L	U
NAVFAC HAWAII P HARBOR	20210825	HZ071	537	307-24-4	Perfluorohexanoic acid	PFHxA	559	4.2	NG_L	
NAVFAC HAWAII P HARBOR	20210825	HZ071	537	307-55-1	Perfluorododecanoic acid	PFDoA	ND	4.2	NG_L	U
NAVFAC HAWAII P HARBOR	20210825	HZ071	537	335-67-1	Perfluorooctanoic acid	PFOA	315	4.2	NG_L	

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NAVFAC HAWAII P HARBOR	20210825	HZ071	537	335-76-2	Perfluorodecanoic acid	PFDA	ND	4.2	NG_L	U
NAVFAC HAWAII P HARBOR	20210825	HZ071	537	355-46-4	Perfluorohexanesulfonic acid	PFHxS	1120	4.2	NG_L	
NAVFAC HAWAII P HARBOR	20210825	HZ071	537	375-73-5	Perfluorobutanesulfonic acid	PFBS	88.8	4.2	NG_L	
NAVFAC HAWAII P HARBOR	20210825	HZ071	537	375-85-9	Perfluoroheptanoic acid	PFHpA	277	4.2	NG_L	
NAVFAC HAWAII P HARBOR	20210825	HZ071	537	375-95-1	Perfluorononanoic acid	PFNA	41.2	4.2	NG_L	
NAVFAC HAWAII P HARBOR	20210825	HZ071	537	376-06-7	Perfluorotetradecanoic acid	PFTeDA	ND	4.2	NG_L	U
NAVFAC HAWAII P HARBOR	20210825	HZ071	537	72629-94-8	Perfluorotridecanoic acid	PFTrDA	ND	4.2	NG_L	U
NAVFAC HAWAII P HARBOR	20210825	HZ072	537	1763-23-1	Perfluorooctanesulfonate	PFOS	899	4.27	NG_L	
NAVFAC HAWAII P HARBOR	20210825	HZ072	537	2058-94-8	Perfluoroundecanoic acid	PFUnA	ND	4.27	NG_L	U
NAVFAC HAWAII P HARBOR	20210825	HZ072	537	2355-31-9	N-Methyl perfluorooctanesulfonamidoacetic acid	NMeFOSAA	ND	4.27	NG_L	U
NAVFAC HAWAII P HARBOR	20210825	HZ072	537	2991-50-6	N-Ethyl perfluorooctanesulfonamidoacetic acid	NEtFOSAA	ND	4.27	NG_L	U
NAVFAC HAWAII P HARBOR	20210825	HZ072	537	307-24-4	Perfluorohexanoic acid	PFHxA	391	4.27	NG_L	
NAVFAC HAWAII P HARBOR	20210825	HZ072	537	307-55-1	Perfluorododecanoic acid	PFDoA	ND	4.27	NG_L	U
NAVFAC HAWAII P HARBOR	20210825	HZ072	537	335-67-1	Perfluorooctanoic acid	PFOA	283	4.27	NG_L	
NAVFAC HAWAII P HARBOR	20210825	HZ072	537	335-76-2	Perfluorodecanoic acid	PFDA	ND	4.27	NG_L	U
NAVFAC HAWAII P HARBOR	20210825	HZ072	537	355-46-4	Perfluorohexanesulfonic acid	PFHxS	1290	4.27	NG_L	
NAVFAC HAWAII P HARBOR	20210825	HZ072	537	375-73-5	Perfluorobutanesulfonic acid	PFBS	88.2	4.27	NG_L	
NAVFAC HAWAII P HARBOR	20210825	HZ072	537	375-85-9	Perfluoroheptanoic acid	PFHpA	182	4.27	NG_L	
NAVFAC HAWAII P HARBOR	20210825	HZ072	537	375-95-1	Perfluorononanoic acid	PFNA	27.1	4.27	NG_L	

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NAVFAC HAWAII P HARBOR	20210825	HZ072	537	376-06-7	Perfluorotetradecanoic acid	PFTeDA	ND	4.27	NG_L	U
NAVFAC HAWAII P HARBOR	20210825	HZ072	537	72629-94-8	Perfluorotridecanoic acid	PFTrDA	ND	4.27	NG_L	U

Installation Name – Name of installation where groundwater samples were collected

Sample Date – Date on which the sample was collected

Field Sample ID – Unique name assigned to sample collected

Analysis Method – Laboratory method to conduct sample analysis

CAS Number – Numeric identifier for a specific chemical

Analyte Name – Name of the chemical analyzed by the laboratory

Analyte Abbreviation – Abbreviated name of the chemical analyzed by the laboratory

Final Result – The analyte concentration value generated after a sample has been analyzed

Limit of Detection – The smallest amount or concentration of a substance that must be present in a sample in order to be detected

Final Units – Unit of measure for the analyte value (NG/L = nanograms per liter)

Final Qualification – Final qualifier code assigned to the result by the laboratory

Final Qualification Key:

J = The reported result was an estimate value.

U = The analyte was not detected and was reported as less than the Limit of Detection (LOO). The LOO has been adjusted for any dilution or concentration of the sample.

UJ = The analyte was not detected and was reported as less than the Limit of Detection (LOO). However, the associated numerical value is approximate.