

5000
Ser N00/0161
4 Apr 22

Property Owner
Parcel #
Property Address
Pensacola, FL

SUBJECT: DRINKING WATER SAMPLING RESULTS IN THE VICINITY OF NAVAL
AIR STATION PENSACOLA CORRY STATION – SAMPLE [enter sample ID]

Dear [enter Property Owner Name]:

Thank you for recently allowing the Navy to test your drinking water well for certain per- and polyfluoroalkyl substances (PFAS). I am writing today regarding the test results of your property's well water. The test results are provided in the enclosures to this letter.

The test results have been validated and they confirm that certain PFAS, specifically perfluorooctanoic acid (PFOA) and perfluorooctane sulfonate (PFOS), in your well water are below the U.S. Environmental Protection Agency's (EPA) lifetime health advisory levels. The enclosures also provide the test results for other PFAS included in the well water test method used for this investigation (EPA Method 537.1). Currently, there are no lifetime health advisories for the other PFAS. The validated test results indicate that no further action is required at your property at this time.

The Navy continues to work in partnership with the Florida Department of Environmental Protection and the Florida Department of Health. If new regulatory information on PFAS becomes available, we will ensure you are made aware of any future actions the Navy will take.

We are committed to keeping you informed on developments that may impact you and your neighbors; as such, the project website located at <https://go.usa.gov/xMRUh> will be updated as we continue the on-base PFAS investigation and as information, research, and updated regulation from federal, state or local agencies evolves.

Additional informative resources on PFAS can be found at the Assistant Secretary of the Navy (Energy, Installations & Environment) website on PFAS and at EPA's website on the Drinking Water Health Advisories for PFOA and PFOS. Both links are provided below:

ASN(EI&E)

https://www.secnav.navy.mil/eie/Pages/PFAS_Home.aspx

EPA

<https://www.epa.gov/ground-water-and-drinking-water/drinking-water-health-advisories-pfoa-and-pfos>

If you have any questions on your data package or the PFAS investigation process and our next steps, please contact [REDACTED], NASP Corry Station Community Planning and Liaison Officer. He can be reached at commercial: (850) 452-8715, via email: [REDACTED].

We appreciate your continued cooperation as we work to ensure that human health and the environment are protected.

Sincerely,

T. M. SHASHATY
Captain, United States Navy
Commanding Officer

Enclosures: 1. Validated Test Results
 2. Lab Results
 3. Explanation of Lab Results
 4. Points of Contact

Enclosure 1: Validated Test Results

Name _____
Address _____
Sample ID _____
Date Collected _____
Time Collected _____

Below are the validated test results confirming that perfluorooctanoic acid (PFOA) and perfluorooctane sulfonate (PFOS) are below the U.S. Environmental Protection Agency's (EPA) lifetime health advisories. These results indicate that no further action is required for your property at this time. The Navy is working in partnership with the Florida Department of Environmental Protection and the Florida Department of Health.

Results of Laboratory Analytical Tests for PFAS with EPA Lifetime Health Advisories

Chemical Name	Result (ppt)	Health Advisory (ppt)
Perfluorooctanoic acid (PFOA)	Value or Not Detected	70
Perfluorooctane sulfonate (PFOS)	Value or Not Detected	70
Total PFOA/PFOS (sum)	Value or Not Detected	70

ppt – parts per trillion (1 ppt = 1 ng/L (nanogram per liter))

J – The reported result is an estimated value.

Results for Other PFAS with No Established EPA Lifetime Health Advisories

Chemical Name	Result (ppt)	Other Screening Value, if available (ppt)
Perfluorobutanesulfonic acid (PFBS)	Value or Not Detected	6,000 *
Perfluorohexanoic acid (PFHxA)	Value or Not Detected	N/A
Perfluoroheptanoic acid (PFHpA)	Value or Not Detected	N/A
Perfluorohexanesulfonic acid (PFHxS)	Value or Not Detected	N/A
Perfluorononanoic acid (PFNA)	Value or Not Detected	N/A
Perfluorodecanoic acid (PFDA),	Value or Not Detected	N/A
n-methylperfluorooctanesulfonamidoacetic acid (MeFOSAA)	Value or Not Detected	N/A
Perfluoroundecanoic acid (PFUnA),	Value or Not Detected	N/A
n-ethylperfluorooctanesulfonamidoacetic acid (EtFOSAA),	Value or Not Detected	N/A
Perfluorododecanoic acid (PFDoA),	Value or Not Detected	N/A
Perfluorotridecanoic acid (PFTrDA),	Value or Not Detected	N/A
Perfluorotetradecanoic Acid (PFTeDA)	Value or Not Detected	N/A
Hexafluoropropylene oxide dimer acid (HFPO-DA)	Value or Not Detected	N/A
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	Value or Not Detected	N/A
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	Value or Not Detected	N/A
9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)	Value or Not Detected	N/A

ppt – parts per trillion (1 ppt = 1 ng/L (nanogram per liter))

J – The reported result is an estimated value.

N/A – Not available

*Although there is not a health advisory for PFBS, EPA has estimated a toxicity value for possible health effects when PFBS is ingested. This toxicity value was used by the EPA to calculate a "Regional Screening Level" or RSL. The RSL is a conservative, risk-based level that is used at "Superfund" sites to identify sites that may warrant further investigation or site cleanup.



It can be done

Project Client: [REDACTED]
 Project Name: [REDACTED]
 Project No.: [REDACTED]

Client ID [REDACTED]

Battelle ID F7871-FS
 Sample Type SA
 Collection Date 01/27/2022
 Extraction Date 02/03/2022
 Analysis Date 02/07/2022
 Analytical Instrument Sciex 5500 (AC) LC/MS/MS
 % Moisture NA
 Matrix W
 Sample Size 0.247
 Size Unit-Basis L

Analyte	CAS No.	Result (ng/L)	DL	LOD	LOQ
PFHxA	307-24-4	4.28	0.826	1.77	2.53
PFHpA	375-85-9	3.01	0.382	1.27	2.53
PFOA	335-67-1	9.72	0.415	1.27	2.53
PFNA	375-95-1	0.613 J	0.391	1.27	2.53
PFDA	335-76-2	ND	0.355	1.27	2.53
PFUnA	2058-94-8	ND	0.328	1.27	2.53
PFDoA	307-55-1	ND	0.545	1.27	2.53
PFTTrDA	72629-94-8	ND	0.432	1.27	2.53
PFTeDA	376-06-7	ND	0.444	1.27	2.53
NMeFOSAA	2355-31-9	ND	0.549	1.27	2.53
NEtFOSAA	2991-50-6	ND	0.683	1.52	2.53
PFBS	375-73-5	3.08	0.365	1.27	2.53
PFHxS	355-46-4	7.00	0.469	1.27	2.53
PFOS	1763-23-1	21.7	0.412	1.27	2.53
HFPO-DA	13252-13-6	ND	0.411	1.27	2.53
Adona	919005-14-4	ND	0.313	1.01	2.53
11CI-PF3OUdS	763051-92-9	ND	0.365	1.27	2.53
9CI-PF3ONS	756426-58-1	ND	0.469	1.27	2.53

Surrogate Recoveries (%)	Recovery
13C2-PFHxA	109
13C2-PFDA	114
d5-EtFOSAA	99
13C3-HFPO-DA	99



Enclosure 3 (Page 1 of 2)

Explanation of Laboratory Results

You will notice that the data report comes with several laboratory descriptions that may not be familiar to you. The following definitions of those descriptions may assist you in understanding your sample results:

- **Analyte** – the chemical or substance of interest.
- **CAS No.** – (Chemical Abstracts Service Number) – a universal system to provide a unique, unmistakable identifier for chemical substances.
- **Result (ng/L)** - the amount of an analyte (chemical or substance of interest) determined to be present in the sample analyzed by the laboratory; the reporting units ng/L (nanograms per liter) is the same as ppt (parts per trillion)
- **DL (Detection Limit)** - The lowest analyte concentration that can confidently be distinguished from zero (or a blank) concentration.
- **LOD (Limit of Detection)** - The lowest analyte concentration that must be present in a sample to be confidently (i.e., consistently) detectable.
- **LOQ (Limit of Quantitation)** - The lowest concentration that produces a quantitative result within known and recorded precision and accuracy.
- **ND (Non-Detect)** - indicates the analyte was not detected.
- **Qualifiers**
 - **"J" (Estimated Value)** - indicates the value reported for the analyte is above the DL but below the LOQ and was detected. The value reported is considered estimated.

Enclosure 3 (page 2 of 2): Explanation of Lab Results - Example of Lab Report with Definitions and Explanations



It can be done

Project Client:
Project Name:
Project No.:

Client ID

Battelle ID 13392-FS
Sample Type SA
Collection Date 05/24/2019
Extraction Date 05/28/2019
Analysis Date 05/30/2019
Analytical Instrument Sciex 5500 LC/MS/MS
% Moisture NA
Matrix DW
Sample Size 0.260
Size Unit-Basis L

The results for PFOA and PFOS:
PFOA was detected in the sample at 150 ng/L (150 ppt).
PFOS was detected in the sample at 0.13 J ng/L (0.13 J ppt).
The sum of PFOA + PFOS in the sample is 150.13 ppt.

1 ng/L = 1 ppt
nanogram(s) per liter = part(s) per trillion

Analyte	CAS No.	Result (ng/L)	DL	LOD	LOQ
DV QUALIFIER					
PFHxA	307-24-4	1.2	0.22	0.48	2.40
PFHpA	375-85-9	ND	0.22	0.48	2.40
PFOA	335-67-1	150	0.19	0.48	2.40
PFNA	375-95-1	0.21 J	0.12	0.38	2.40
PFDA	335-76-2	ND	0.11	0.38	2.40
PFUnA	2058-94-8	ND	0.10	0.38	2.40
PFDoA	307-55-1	ND	0.13	0.48	2.40
PFTTrDA	72629-94-8	ND	0.10	0.38	2.40
PFTeDA	376-06-7	ND	0.21	0.48	2.40
NMeFOSAA	2355-31-9	ND	0.19	0.48	2.40
NEtFOSAA	2991-50-6	ND	0.16	0.48	2.40
PFBS	375-73-5	20	0.12	0.38	2.40
PFHxS	355-46-4	0.56 J	0.12	0.38	2.40
PFOS	1763-23-1	0.13 J	0.14	0.48	2.40
HFPO-DA	13252-13-6	ND	0.09	0.38	2.40
Adona	919005-14-4	ND	0.12	0.38	2.40
11CI-PF3OUdS	763051-92-9	ND	0.10	0.38	2.40
9CI-PF3ONS	756426-58-1	ND	0.12	0.38	2.40

Analyte was not detected in this sample. Represented as "ND" (Non-Detect).

Surrogate Recoveries (%)	Recovery
13C2-PFHxA	129
13C2-PFDA	113
d5-EtFOSAA	95
13C3-HFPO-DA	116

Data Validator's Signature

6/10/2019

The detection limit (DL) is the lowest analyte concentration that can confidently be distinguished from zero (or a blank) concentration.
The limit of detection (LOD) is the lowest analyte concentration that must be present in a sample to be confidently (i.e., consistently) detectable.
The limit of quantitation (LOQ) is the lowest concentration that produces a quantitative result within known and recorded precision and accuracy.

This is a data qualifier for this result. Possible qualifiers are:
"J" (Estimated Value) - Indicates the value reported for the analyte is greater than the DL but below the LOQ and was detected. The value reported is considered estimated.

Corry Station PFAS Drinking Water Investigation Points of Contact

NAS PENSACOLA

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