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ANALYTICAL REPORT

PREPARED FOR

Attn: Duane Morita
NAVFAC Hawaii Environmental Svcs Lab
PRJ 411
Bldg 1423 Central Avenue
JBPHH, Hawaii 96860

Generated 3/31/2026 8:28:45 AM

JOB DESCRIPTION

MCBH Kaneohe

JOB NUMBER

810-185424-1

Eurofins South Bend

Job Notes

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The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Drinking Water and Wastewater Central, LLC Project Manager.

Authorization



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Authorized for release by
Traci Chlebowski, Senior Project Manager
Traci.Chlebowski@et.eurofinsus.com
(574)233-4777



Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Detection Summary	6
Client Sample Results	7
Surrogate Summary	9
Isotope Dilution Summary	10
QC Sample Results	11
QC Association Summary	17
Lab Chronicle	18
Certification Summary	19
Method Summary	20
Sample Summary	21
Chain of Custody	22
Receipt Checklists	24

Definitions/Glossary

Client: NAVFAC Hawaii Environmental Svcs Lab
Project/Site: MCBH Kaneohe

Job ID: 810-185424-1

Qualifiers

LCMS

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: NAVFAC Hawaii Environmental Svcs Lab
Project: MCBH Kaneohe

Job ID: 810-185424-1

Job ID: 810-185424-1

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Job Narrative 810-185424-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 3/25/2026 9:45 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.4°C.

PFAS

Method 533: The pH of the following samples were adjusted to pH 7.5 in the laboratory: 26-02228, MCBH BLDG 1296, TP001 (810-185424-1)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Detection Summary

Client: NAVFAC Hawaii Environmental Svcs Lab
Project/Site: MCBH Kaneohe

Job ID: 810-185424-1

Client Sample ID: 26-02228, MCBH BLDG 1296, TP001
PWSID Number: HI0000356

Lab Sample ID: 810-185424-1

No Detections.

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This Detection Summary does not include radiochemical test results.

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Client Sample Results

Client: NAVFAC Hawaii Environmental Svcs Lab
 Project/Site: MCBH Kaneohe

Job ID: 810-185424-1

Client Sample ID: 26-02228, MCBH BLDG 1296, TP001

Lab Sample ID: 810-185424-1

Date Collected: 03/23/26 07:15

Matrix: Drinking Water

Date Received: 03/25/26 09:45

PWSID Number: HI0000356

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.0		2.0	ng/L		03/26/26 09:03	03/27/26 00:39	1
Perfluoropentanoic acid (PFPeA)	<2.0		2.0	ng/L		03/26/26 09:03	03/27/26 00:39	1
Perfluorohexanoic acid (PFHxA)	<2.0		2.0	ng/L		03/26/26 09:03	03/27/26 00:39	1
Perfluoroheptanoic acid (PFHpA)	<2.0		2.0	ng/L		03/26/26 09:03	03/27/26 00:39	1
Perfluorooctanoic acid (PFOA)	<2.0		2.0	ng/L		03/26/26 09:03	03/27/26 00:39	1
Perfluorononanoic acid (PFNA)	<2.0		2.0	ng/L		03/26/26 09:03	03/27/26 00:39	1
Perfluorodecanoic acid (PFDA)	<2.0		2.0	ng/L		03/26/26 09:03	03/27/26 00:39	1
Perfluoroundecanoic acid (PFUnA)	<2.0		2.0	ng/L		03/26/26 09:03	03/27/26 00:39	1
Perfluorododecanoic acid (PFDoA)	<2.0		2.0	ng/L		03/26/26 09:03	03/27/26 00:39	1
Perfluorobutanesulfonic acid (PFBS)	<2.0		2.0	ng/L		03/26/26 09:03	03/27/26 00:39	1
Perfluoropentanesulfonic acid (PFPeS)	<2.0		2.0	ng/L		03/26/26 09:03	03/27/26 00:39	1
Perfluorohexanesulfonic acid (PFHxS)	<2.0		2.0	ng/L		03/26/26 09:03	03/27/26 00:39	1
Perfluoroheptanesulfonic acid (PFHpS)	<2.0		2.0	ng/L		03/26/26 09:03	03/27/26 00:39	1
Perfluorooctanesulfonic acid (PFOS)	<2.0		2.0	ng/L		03/26/26 09:03	03/27/26 00:39	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	<2.0		2.0	ng/L		03/26/26 09:03	03/27/26 00:39	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	<2.0		2.0	ng/L		03/26/26 09:03	03/27/26 00:39	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	<2.0		2.0	ng/L		03/26/26 09:03	03/27/26 00:39	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	<2.0		2.0	ng/L		03/26/26 09:03	03/27/26 00:39	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<2.0		2.0	ng/L		03/26/26 09:03	03/27/26 00:39	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<2.0		2.0	ng/L		03/26/26 09:03	03/27/26 00:39	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid	<2.0		2.0	ng/L		03/26/26 09:03	03/27/26 00:39	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid	<2.0		2.0	ng/L		03/26/26 09:03	03/27/26 00:39	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	<2.0		2.0	ng/L		03/26/26 09:03	03/27/26 00:39	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	<2.0		2.0	ng/L		03/26/26 09:03	03/27/26 00:39	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	<2.0		2.0	ng/L		03/26/26 09:03	03/27/26 00:39	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	109		50 - 200	03/26/26 09:03	03/27/26 00:39	1
13C5 PFPeA	112		50 - 200	03/26/26 09:03	03/27/26 00:39	1
13C5 PFHxA	99		50 - 200	03/26/26 09:03	03/27/26 00:39	1
13C4 PFHpA	102		50 - 200	03/26/26 09:03	03/27/26 00:39	1
13C8 PFOA	111		50 - 200	03/26/26 09:03	03/27/26 00:39	1
13C9 PFNA	111		50 - 200	03/26/26 09:03	03/27/26 00:39	1
13C6 PFDA	111		50 - 200	03/26/26 09:03	03/27/26 00:39	1
13C7 PFUnA	109		50 - 200	03/26/26 09:03	03/27/26 00:39	1
13C2 PFDoA	105		50 - 200	03/26/26 09:03	03/27/26 00:39	1
13C3 HFPO-DA	97		50 - 200	03/26/26 09:03	03/27/26 00:39	1
13C3 PFBS	113		50 - 200	03/26/26 09:03	03/27/26 00:39	1
13C8 PFOS	114		50 - 200	03/26/26 09:03	03/27/26 00:39	1
13C2-4:2-FTS	106		50 - 200	03/26/26 09:03	03/27/26 00:39	1

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Client Sample Results

Client: NAVFAC Hawaii Environmental Svcs Lab
 Project/Site: MCBH Kaneohe

Job ID: 810-185424-1

Client Sample ID: 26-02228, MCBH BLDG 1296, TP001

Lab Sample ID: 810-185424-1

Date Collected: 03/23/26 07:15

Matrix: Drinking Water

Date Received: 03/25/26 09:45

PWSID Number: HI0000356

Method: EPA 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2-6:2-FTS	115		50 - 200	03/26/26 09:03	03/27/26 00:39	1
13C2-8:2-FTS	126		50 - 200	03/26/26 09:03	03/27/26 00:39	1
13C3 PFHxS	111		50 - 200	03/26/26 09:03	03/27/26 00:39	1

Method: EPA 537.1 V2 - EPA 537.1 Ver. 2.0 March 2020

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	<2.0		2.0	ng/L		03/27/26 09:30	03/28/26 02:03	1
Perfluoroundecanoic acid (PFUnA)	<2.0		2.0	ng/L		03/27/26 09:30	03/28/26 02:03	1
Perfluorohexanoic acid (PFHxA)	<2.0		2.0	ng/L		03/27/26 09:30	03/28/26 02:03	1
Perfluorododecanoic acid (PFDoA)	<2.0		2.0	ng/L		03/27/26 09:30	03/28/26 02:03	1
Perfluorooctanoic acid (PFOA)	<2.0		2.0	ng/L		03/27/26 09:30	03/28/26 02:03	1
Perfluorodecanoic acid (PFDA)	<2.0		2.0	ng/L		03/27/26 09:30	03/28/26 02:03	1
Perfluorohexanesulfonic acid (PFHxS)	<2.0		2.0	ng/L		03/27/26 09:30	03/28/26 02:03	1
Perfluorobutanesulfonic acid (PFBS)	<2.0		2.0	ng/L		03/27/26 09:30	03/28/26 02:03	1
Perfluoroheptanoic acid (PFHpA)	<2.0		2.0	ng/L		03/27/26 09:30	03/28/26 02:03	1
Perfluorononanoic acid (PFNA)	<2.0		2.0	ng/L		03/27/26 09:30	03/28/26 02:03	1
Perfluorotetradecanoic acid (PFTeDA)	<2.0		2.0	ng/L		03/27/26 09:30	03/28/26 02:03	1
Perfluorotridecanoic acid (PFTrDA)	<2.0		2.0	ng/L		03/27/26 09:30	03/28/26 02:03	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<2.0		2.0	ng/L		03/27/26 09:30	03/28/26 02:03	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<2.0		2.0	ng/L		03/27/26 09:30	03/28/26 02:03	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<2.0		2.0	ng/L		03/27/26 09:30	03/28/26 02:03	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	<2.0		2.0	ng/L		03/27/26 09:30	03/28/26 02:03	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	<2.0		2.0	ng/L		03/27/26 09:30	03/28/26 02:03	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<2.0		2.0	ng/L		03/27/26 09:30	03/28/26 02:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFHxA	101		70 - 130	03/27/26 09:30	03/28/26 02:03	1
13C2 PFDA	96		70 - 130	03/27/26 09:30	03/28/26 02:03	1
13C3 HFPO-DA	96		70 - 130	03/27/26 09:30	03/28/26 02:03	1
d5-NEtFOSAA	90		70 - 130	03/27/26 09:30	03/28/26 02:03	1

Surrogate Summary

Client: NAVFAC Hawaii Environmental Svcs Lab
Project/Site: MCBH Kaneohe

Job ID: 810-185424-1

Method: EPA 537.1 V2 - EPA 537.1 Ver. 2.0 March 2020

Matrix: Drinking Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PFHxA	PFDA	HFPODA	d5NEFOS
		(70-130)	(70-130)	(70-130)	(70-130)
810-185424-1	26-02228, MCBH BLDG 1296, TPOC	101	96	96	90
LCS 810-186682/3-A	Lab Control Sample	101	96	98	93
LLCS 810-186682/2-A	Lab Control Sample	102	101	99	97
MBL 810-186682/1-A	Method Blank	106	100	101	94

Surrogate Legend

PFHxA = 13C2 PFHxA

PFDA = 13C2 PFDA

HFPODA = 13C3 HFPO-DA

d5NEFOS = d5-NEtFOSAA

Isotope Dilution Summary

Client: NAVFAC Hawaii Environmental Svcs Lab
 Project/Site: MCBH Kaneohe

Job ID: 810-185424-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Matrix: Drinking Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFBA (50-200)	PFPeA (50-200)	13C5PHA (50-200)	C4PFHA (50-200)	C8PFOA (50-200)	C9PFNA (50-200)	C6PFDA (50-200)	13C7PUA (50-200)
810-185424-1	26-02228, MCBH BLDG 1296, TP0C	109	112	99	102	111	111	111	109
LCS 810-186486/3-A	Lab Control Sample	108	109	106	104	111	107	112	107
LLCS 810-186486/2-A	Lab Control Sample	112	112	109	109	116	112	115	109
MBL 810-186486/1-A	Method Blank	111	111	103	105	106	105	109	105

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFDoA (50-200)	HFPODA (50-200)	C3PFBS (50-200)	C8PFOS (50-200)	42FTS (50-200)	62FTS (50-200)	82FTS (50-200)	C3PFHS (50-200)
810-185424-1	26-02228, MCBH BLDG 1296, TP0C	105	97	113	114	106	115	126	111
LCS 810-186486/3-A	Lab Control Sample	110	107	108	110	114	124	108	113
LLCS 810-186486/2-A	Lab Control Sample	106	105	110	112	100	116	116	106
MBL 810-186486/1-A	Method Blank	102	98	113	113	104	115	125	109

Surrogate Legend

- PFBA = 13C4 PFBA
- PFPeA = 13C5 PFPeA
- 13C5PHA = 13C5 PFHxA
- C4PFHA = 13C4 PFHpA
- C8PFOA = 13C8 PFOA
- C9PFNA = 13C9 PFNA
- C6PFDA = 13C6 PFDA
- 13C7PUA = 13C7 PFUnA
- PFDoA = 13C2 PFDoA
- HFPODA = 13C3 HFPO-DA
- C3PFBS = 13C3 PFBS
- C8PFOS = 13C8 PFOS
- 42FTS = 13C2-4:2-FTS
- 62FTS = 13C2-6:2-FTS
- 82FTS = 13C2-8:2-FTS
- C3PFHS = 13C3 PFHxS

QC Sample Results

Client: NAVFAC Hawaii Environmental Svcs Lab
 Project/Site: MCBH Kaneohe

Job ID: 810-185424-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water

Lab Sample ID: MBL 810-186486/1-A
Matrix: Drinking Water
Analysis Batch: 186595

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 186486

Analyte	MBL	MBL	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Perfluorobutanoic acid (PFBA)	<0.52		2.0	ng/L		03/26/26 09:03	03/26/26 19:11	1
Perfluoropentanoic acid (PFPeA)	<0.77		2.0	ng/L		03/26/26 09:03	03/26/26 19:11	1
Perfluorohexanoic acid (PFHxA)	<0.73		2.0	ng/L		03/26/26 09:03	03/26/26 19:11	1
Perfluoroheptanoic acid (PFHpA)	<0.72		2.0	ng/L		03/26/26 09:03	03/26/26 19:11	1
Perfluorooctanoic acid (PFOA)	<0.74		2.0	ng/L		03/26/26 09:03	03/26/26 19:11	1
Perfluorononanoic acid (PFNA)	<0.73		2.0	ng/L		03/26/26 09:03	03/26/26 19:11	1
Perfluorodecanoic acid (PFDA)	<0.66		2.0	ng/L		03/26/26 09:03	03/26/26 19:11	1
Perfluoroundecanoic acid (PFUnA)	<0.70		2.0	ng/L		03/26/26 09:03	03/26/26 19:11	1
Perfluorododecanoic acid (PFDoA)	<0.70		2.0	ng/L		03/26/26 09:03	03/26/26 19:11	1
Perfluorobutanesulfonic acid (PFBS)	<0.66		2.0	ng/L		03/26/26 09:03	03/26/26 19:11	1
Perfluoropentanesulfonic acid (PFPeS)	<0.69		2.0	ng/L		03/26/26 09:03	03/26/26 19:11	1
Perfluorohexanesulfonic acid (PFHxS)	<0.66		2.0	ng/L		03/26/26 09:03	03/26/26 19:11	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.60		2.0	ng/L		03/26/26 09:03	03/26/26 19:11	1
Perfluorooctanesulfonic acid (PFOS)	<0.69		2.0	ng/L		03/26/26 09:03	03/26/26 19:11	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	<0.66		2.0	ng/L		03/26/26 09:03	03/26/26 19:11	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	<0.67		2.0	ng/L		03/26/26 09:03	03/26/26 19:11	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	<0.68		2.0	ng/L		03/26/26 09:03	03/26/26 19:11	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	<0.57		2.0	ng/L		03/26/26 09:03	03/26/26 19:11	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<0.71		2.0	ng/L		03/26/26 09:03	03/26/26 19:11	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.60		2.0	ng/L		03/26/26 09:03	03/26/26 19:11	1
9-Chlorohexadecafluoro-3-oxanonan e-1-sulfonic acid	<0.97		2.0	ng/L		03/26/26 09:03	03/26/26 19:11	1
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid	<0.82		2.0	ng/L		03/26/26 09:03	03/26/26 19:11	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	<0.65		2.0	ng/L		03/26/26 09:03	03/26/26 19:11	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	<0.81		2.0	ng/L		03/26/26 09:03	03/26/26 19:11	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	<0.93		2.0	ng/L		03/26/26 09:03	03/26/26 19:11	1

Isotope Dilution	MBL	MBL	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C4 PFBA	111		50 - 200	03/26/26 09:03	03/26/26 19:11	1
13C5 PFPeA	111		50 - 200	03/26/26 09:03	03/26/26 19:11	1
13C5 PFHxA	103		50 - 200	03/26/26 09:03	03/26/26 19:11	1
13C4 PFHpA	105		50 - 200	03/26/26 09:03	03/26/26 19:11	1
13C8 PFOA	106		50 - 200	03/26/26 09:03	03/26/26 19:11	1
13C9 PFNA	105		50 - 200	03/26/26 09:03	03/26/26 19:11	1
13C6 PFDA	109		50 - 200	03/26/26 09:03	03/26/26 19:11	1
13C7 PFUnA	105		50 - 200	03/26/26 09:03	03/26/26 19:11	1
13C2 PFDoA	102		50 - 200	03/26/26 09:03	03/26/26 19:11	1
13C3 HFPO-DA	98		50 - 200	03/26/26 09:03	03/26/26 19:11	1
13C3 PFBS	113		50 - 200	03/26/26 09:03	03/26/26 19:11	1
13C8 PFOS	113		50 - 200	03/26/26 09:03	03/26/26 19:11	1

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QC Sample Results

Client: NAVFAC Hawaii Environmental Svcs Lab
 Project/Site: MCBH Kaneohe

Job ID: 810-185424-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Lab Sample ID: MBL 810-186486/1-A
Matrix: Drinking Water
Analysis Batch: 186595

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 186486

Isotope Dilution	MBL MBL		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C2-4:2-FTS	104		50 - 200	03/26/26 09:03	03/26/26 19:11	1
13C2-6:2-FTS	115		50 - 200	03/26/26 09:03	03/26/26 19:11	1
13C2-8:2-FTS	125		50 - 200	03/26/26 09:03	03/26/26 19:11	1
13C3 PFHxS	109		50 - 200	03/26/26 09:03	03/26/26 19:11	1

Lab Sample ID: LCS 810-186486/3-A
Matrix: Drinking Water
Analysis Batch: 186595

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 186486

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoropentanoic acid (PFPeA)	400	371		ng/L		93	70 - 130
Perfluorohexanoic acid (PFHxA)	400	374		ng/L		93	70 - 130
Perfluoroheptanoic acid (PFHpA)	400	365		ng/L		91	70 - 130
Perfluorooctanoic acid (PFOA)	400	373		ng/L		93	70 - 130
Perfluorononanoic acid (PFNA)	400	370		ng/L		92	70 - 130
Perfluorodecanoic acid (PFDA)	400	351		ng/L		88	70 - 130
Perfluoroundecanoic acid (PFUnA)	400	366		ng/L		92	70 - 130
Perfluorododecanoic acid (PFDoA)	400	372		ng/L		93	70 - 130
Perfluorobutanesulfonic acid (PFBS)	355	320		ng/L		90	70 - 130
Perfluoropentanesulfonic acid (PFPeS)	376	343		ng/L		91	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	365	328		ng/L		90	70 - 130
Perfluoroheptanesulfonic acid (PFHpS)	382	349		ng/L		92	70 - 130
Perfluorooctanesulfonic acid (PFOS)	371	337		ng/L		91	70 - 130
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	357	340		ng/L		95	70 - 130
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	375	355		ng/L		95	70 - 130
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	381	329		ng/L		86	70 - 130
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	384	382		ng/L		99	70 - 130
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	400	375		ng/L		94	70 - 130
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	378	350		ng/L		93	70 - 130
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	374	341		ng/L		91	70 - 130
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	378	337		ng/L		89	70 - 130
Perfluoro-4-methoxybutanoic acid (PFMBA)	400	372		ng/L		93	70 - 130
Perfluoro-3-methoxypropanoic acid (PFMPA)	400	379		ng/L		95	70 - 130
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	400	366		ng/L		92	70 - 130

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QC Sample Results

Client: NAVFAC Hawaii Environmental Svcs Lab
 Project/Site: MCBH Kaneohe

Job ID: 810-185424-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
13C4 PFBA	108		50 - 200
13C5 PFPeA	109		50 - 200
13C5 PFHxA	106		50 - 200
13C4 PFHpA	104		50 - 200
13C8 PFOA	111		50 - 200
13C9 PFNA	107		50 - 200
13C6 PFDA	112		50 - 200
13C7 PFUnA	107		50 - 200
13C2 PFDoA	110		50 - 200
13C3 HFPO-DA	107		50 - 200
13C3 PFBS	108		50 - 200
13C8 PFOS	110		50 - 200
13C2-4:2-FTS	114		50 - 200
13C2-6:2-FTS	124		50 - 200
13C2-8:2-FTS	108		50 - 200
13C3 PFHxS	113		50 - 200

Lab Sample ID: LLCS 810-186486/2-A

Matrix: Drinking Water

Analysis Batch: 186595

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 186486

Analyte	Spike Added	LLCS LLCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Perfluorobutanoic acid (PFBA)	2.00	1.72	J	ng/L		86	50 - 150
Perfluoropentanoic acid (PFPeA)	2.00	1.72	J	ng/L		86	50 - 150
Perfluorohexanoic acid (PFHxA)	2.00	1.73	J	ng/L		87	50 - 150
Perfluoroheptanoic acid (PFHpA)	2.00	1.98	J	ng/L		99	50 - 150
Perfluorooctanoic acid (PFOA)	2.00	1.68	J	ng/L		84	50 - 150
Perfluorononanoic acid (PFNA)	2.00	1.77	J	ng/L		89	50 - 150
Perfluorodecanoic acid (PFDA)	2.00	1.74	J	ng/L		87	50 - 150
Perfluoroundecanoic acid (PFUnA)	2.00	1.87	J	ng/L		93	50 - 150
Perfluorododecanoic acid (PFDoA)	2.00	1.84	J	ng/L		92	50 - 150
Perfluorobutanesulfonic acid (PFBS)	1.78	1.71	J	ng/L		96	50 - 150
Perfluoropentanesulfonic acid (PFPeS)	1.88	1.71	J	ng/L		91	50 - 150
Perfluorohexanesulfonic acid (PFHxS)	1.83	1.71	J	ng/L		93	50 - 150
Perfluoroheptanesulfonic acid (PFHpS)	1.91	1.66	J	ng/L		87	50 - 150
Perfluorooctanesulfonic acid (PFOS)	1.86	1.69	J	ng/L		91	50 - 150
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	1.78	1.60	J	ng/L		90	50 - 150
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	1.88	1.77	J	ng/L		94	50 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	1.90	1.75	J	ng/L		92	50 - 150
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	1.92	1.84	J	ng/L		96	50 - 150
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	2.00	1.61	J	ng/L		81	50 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	1.89	1.67	J	ng/L		88	50 - 150

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QC Sample Results

Client: NAVFAC Hawaii Environmental Svcs Lab
 Project/Site: MCBH Kaneohe

Job ID: 810-185424-1

Method: 533 - Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water (Continued)

Lab Sample ID: LLCS 810-186486/2-A
Matrix: Drinking Water
Analysis Batch: 186595

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 186486

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid	1.87	1.56	J	ng/L		84	50 - 150
11-Chloroeicosfluoro-3-oxaundecane-1-sulfonic acid	1.89	1.52	J	ng/L		81	50 - 150
Perfluoro-4-methoxybutanoic acid (PFMBA)	2.00	1.77	J	ng/L		88	50 - 150
Perfluoro-3-methoxypropanoic acid (PFMPA)	2.00	1.59	J	ng/L		80	50 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	2.00	1.75	J	ng/L		87	50 - 150

Isotope Dilution	LLCS LLCS		Limits
	%Recovery	Qualifier	
13C4 PFBA	112		50 - 200
13C5 PFPeA	112		50 - 200
13C5 PFHxA	109		50 - 200
13C4 PFHpA	109		50 - 200
13C8 PFOA	116		50 - 200
13C9 PFNA	112		50 - 200
13C6 PFDA	115		50 - 200
13C7 PFUnA	109		50 - 200
13C2 PFDoA	106		50 - 200
13C3 HFPO-DA	105		50 - 200
13C3 PFBS	110		50 - 200
13C8 PFOS	112		50 - 200
13C2-4:2-FTS	100		50 - 200
13C2-6:2-FTS	116		50 - 200
13C2-8:2-FTS	116		50 - 200
13C3 PFHxS	106		50 - 200

Method: EPA 537.1 V2 - EPA 537.1 Ver. 2.0 March 2020

Lab Sample ID: MBL 810-186682/1-A
Matrix: Drinking Water
Analysis Batch: 186778

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 186682

Analyte	MBL Result	MBL Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	<0.53		2.0	ng/L		03/27/26 09:30	03/27/26 22:22	1
Perfluoroundecanoic acid (PFUnA)	<0.63		2.0	ng/L		03/27/26 09:30	03/27/26 22:22	1
Perfluorohexanoic acid (PFHxA)	<0.63		2.0	ng/L		03/27/26 09:30	03/27/26 22:22	1
Perfluorododecanoic acid (PFDoA)	<0.63		2.0	ng/L		03/27/26 09:30	03/27/26 22:22	1
Perfluorooctanoic acid (PFOA)	<0.50		2.0	ng/L		03/27/26 09:30	03/27/26 22:22	1
Perfluorodecanoic acid (PFDA)	<0.60		2.0	ng/L		03/27/26 09:30	03/27/26 22:22	1
Perfluorohexanesulfonic acid (PFHxS)	<0.44		2.0	ng/L		03/27/26 09:30	03/27/26 22:22	1
Perfluorobutanesulfonic acid (PFBS)	<0.71		2.0	ng/L		03/27/26 09:30	03/27/26 22:22	1
Perfluoroheptanoic acid (PFHpA)	<0.52		2.0	ng/L		03/27/26 09:30	03/27/26 22:22	1
Perfluorononanoic acid (PFNA)	<0.48		2.0	ng/L		03/27/26 09:30	03/27/26 22:22	1
Perfluorotetradecanoic acid (PFTeDA)	<0.65		2.0	ng/L		03/27/26 09:30	03/27/26 22:22	1
Perfluorotridecanoic acid (PFTrDA)	<0.60		2.0	ng/L		03/27/26 09:30	03/27/26 22:22	1
N-methylperfluorooctanesulfonamideacetic acid (NMeFOSAA)	<0.62		2.0	ng/L		03/27/26 09:30	03/27/26 22:22	1

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QC Sample Results

Client: NAVFAC Hawaii Environmental Svcs Lab
 Project/Site: MCBH Kaneohe

Job ID: 810-185424-1

Method: EPA 537.1 V2 - EPA 537.1 Ver. 2.0 March 2020 (Continued)

Lab Sample ID: MBL 810-186682/1-A

Matrix: Drinking Water

Analysis Batch: 186778

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 186682

Analyte	MBL	MBL	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<0.65		2.0	ng/L		03/27/26 09:30	03/27/26 22:22	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<0.62		2.0	ng/L		03/27/26 09:30	03/27/26 22:22	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	<0.28		2.0	ng/L		03/27/26 09:30	03/27/26 22:22	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	<0.64		2.0	ng/L		03/27/26 09:30	03/27/26 22:22	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.49		2.0	ng/L		03/27/26 09:30	03/27/26 22:22	1

Surrogate	MBL	MBL	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C2 PFHxA	106		70 - 130	03/27/26 09:30	03/27/26 22:22	1
13C2 PFDA	100		70 - 130	03/27/26 09:30	03/27/26 22:22	1
13C3 HFPO-DA	101		70 - 130	03/27/26 09:30	03/27/26 22:22	1
d5-NEtFOSAA	94		70 - 130	03/27/26 09:30	03/27/26 22:22	1

Lab Sample ID: LCS 810-186682/3-A

Matrix: Drinking Water

Analysis Batch: 186778

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 186682

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec
							Limits
Perfluorooctanesulfonic acid (PFOS)	92.6	89.6		ng/L		97	70 - 130
Perfluoroundecanoic acid (PFUnA)	100	94.0		ng/L		94	70 - 130
Perfluorohexanoic acid (PFHxA)	100	99.9		ng/L		100	70 - 130
Perfluorododecanoic acid (PFDoA)	100	87.4		ng/L		87	70 - 130
Perfluorooctanoic acid (PFOA)	100	95.2		ng/L		95	70 - 130
Perfluorodecanoic acid (PFDA)	100	94.4		ng/L		94	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	91.3	87.7		ng/L		96	70 - 130
Perfluorobutanesulfonic acid (PFBS)	88.5	87.5		ng/L		99	70 - 130
Perfluoroheptanoic acid (PFHpA)	100	93.9		ng/L		94	70 - 130
Perfluorononanoic acid (PFNA)	100	98.3		ng/L		98	70 - 130
Perfluorotetradecanoic acid (PFTeDA)	100	84.4		ng/L		84	70 - 130
Perfluorotridecanoic acid (PFTrDA)	100	88.3		ng/L		88	70 - 130
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	100	91.7		ng/L		92	70 - 130
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	100	92.4		ng/L		92	70 - 130
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	100	94.3		ng/L		94	70 - 130
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	93.5	88.4		ng/L		94	70 - 130
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	94.5	91.7		ng/L		97	70 - 130
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	94.5	90.6		ng/L		96	70 - 130

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QC Sample Results

Client: NAVFAC Hawaii Environmental Svcs Lab
 Project/Site: MCBH Kaneohe

Job ID: 810-185424-1

Method: EPA 537.1 V2 - EPA 537.1 Ver. 2.0 March 2020 (Continued)

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
13C2 PFHxA	101		70 - 130
13C2 PFDA	96		70 - 130
13C3 HFPO-DA	98		70 - 130
d5-NEtFOSAA	93		70 - 130

Lab Sample ID: LLCS 810-186682/2-A
Matrix: Drinking Water
Analysis Batch: 186778

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 186682

Analyte	Spike Added	LLCS LLCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Perfluorooctanesulfonic acid (PFOS)	1.85	1.71	J	ng/L		92	50 - 150
Perfluoroundecanoic acid (PFUnA)	2.00	1.75	J	ng/L		88	50 - 150
Perfluorohexanoic acid (PFHxA)	2.00	1.90	J	ng/L		95	50 - 150
Perfluorododecanoic acid (PFDoA)	2.00	1.73	J	ng/L		86	50 - 150
Perfluorooctanoic acid (PFOA)	2.00	1.74	J	ng/L		87	50 - 150
Perfluorodecanoic acid (PFDA)	2.00	1.84	J	ng/L		92	50 - 150
Perfluorohexanesulfonic acid (PFHxS)	1.83	1.62	J	ng/L		89	50 - 150
Perfluorobutanesulfonic acid (PFBS)	1.77	1.58	J	ng/L		89	50 - 150
Perfluoroheptanoic acid (PFHpA)	2.00	1.84	J	ng/L		92	50 - 150
Perfluorononanoic acid (PFNA)	2.00	1.87	J	ng/L		93	50 - 150
Perfluorotetradecanoic acid (PFTeDA)	2.00	1.57	J	ng/L		79	50 - 150
Perfluorotridecanoic acid (PFTrDA)	2.00	1.69	J	ng/L		84	50 - 150
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	1.68	J	ng/L		84	50 - 150
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	1.80	J	ng/L		90	50 - 150
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	2.00	1.73	J	ng/L		87	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	1.87	1.57	J	ng/L		84	50 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	1.89	1.71	J	ng/L		90	50 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	1.89	1.64	J	ng/L		87	50 - 150

Surrogate	LLCS LLCS		Limits
	%Recovery	Qualifier	
13C2 PFHxA	102		70 - 130
13C2 PFDA	101		70 - 130
13C3 HFPO-DA	99		70 - 130
d5-NEtFOSAA	97		70 - 130

QC Association Summary

Client: NAVFAC Hawaii Environmental Svcs Lab
 Project/Site: MCBH Kaneohe

Job ID: 810-185424-1

LCMS

Prep Batch: 186486

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
810-185424-1	26-02228, MCBH BLDG 1296, TP001	Total/NA	Drinking Water	533	
MBL 810-186486/1-A	Method Blank	Total/NA	Drinking Water	533	
LCS 810-186486/3-A	Lab Control Sample	Total/NA	Drinking Water	533	
LLCS 810-186486/2-A	Lab Control Sample	Total/NA	Drinking Water	533	

Analysis Batch: 186595

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
810-185424-1	26-02228, MCBH BLDG 1296, TP001	Total/NA	Drinking Water	533	186486
MBL 810-186486/1-A	Method Blank	Total/NA	Drinking Water	533	186486
LCS 810-186486/3-A	Lab Control Sample	Total/NA	Drinking Water	533	186486
LLCS 810-186486/2-A	Lab Control Sample	Total/NA	Drinking Water	533	186486

Prep Batch: 186682

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
810-185424-1	26-02228, MCBH BLDG 1296, TP001	Total/NA	Drinking Water	537.1 DW	
MBL 810-186682/1-A	Method Blank	Total/NA	Drinking Water	537.1 DW	
LCS 810-186682/3-A	Lab Control Sample	Total/NA	Drinking Water	537.1 DW	
LLCS 810-186682/2-A	Lab Control Sample	Total/NA	Drinking Water	537.1 DW	

Analysis Batch: 186778

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
810-185424-1	26-02228, MCBH BLDG 1296, TP001	Total/NA	Drinking Water	EPA 537.1 V2	186682
MBL 810-186682/1-A	Method Blank	Total/NA	Drinking Water	EPA 537.1 V2	186682
LCS 810-186682/3-A	Lab Control Sample	Total/NA	Drinking Water	EPA 537.1 V2	186682
LLCS 810-186682/2-A	Lab Control Sample	Total/NA	Drinking Water	EPA 537.1 V2	186682

Lab Chronicle

Client: NAVFAC Hawaii Environmental Svcs Lab
Project/Site: MCBH Kaneohe

Job ID: 810-185424-1

Client Sample ID: 26-02228, MCBH BLDG 1296, TP001

Lab Sample ID: 810-185424-1

Date Collected: 03/23/26 07:15

Matrix: Drinking Water

Date Received: 03/25/26 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			186486	BAB	EA SB	03/26/26 09:03
Total/NA	Analysis	533		1	186595	PP	EA SB	03/27/26 00:39
Total/NA	Prep	537.1 DW			186682	KW	EA SB	03/27/26 09:30
Total/NA	Analysis	EPA 537.1 V2		1	186778	GL	EA SB	03/28/26 02:03

Laboratory References:

EA SB = Eurofins South Bend, 110 S Hill Street, South Bend, IN 46617, TEL (574)233-4777



Accreditation/Certification Summary

Client: NAVFAC Hawaii Environmental Svcs Lab
 Project/Site: MCBH Kaneohe

Job ID: 810-185424-1

Laboratory: Eurofins South Bend

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	ISO/IEC 17025	5794.01	07-31-26
Hawaii	State	IN00035	06-30-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
533	533	Drinking Water	11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid
533	533	Drinking Water	1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)
533	533	Drinking Water	1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)
533	533	Drinking Water	1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)
533	533	Drinking Water	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)
533	533	Drinking Water	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid
533	533	Drinking Water	Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)
533	533	Drinking Water	Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)
533	533	Drinking Water	Perfluoro-3-methoxypropanoic acid (PFMPA)
533	533	Drinking Water	Perfluoro-4-methoxybutanoic acid (PFMBA)
533	533	Drinking Water	Perfluorobutanoic acid (PFBA)
533	533	Drinking Water	Perfluorodecanoic acid (PFDA)
533	533	Drinking Water	Perfluorododecanoic acid (PFDoA)
533	533	Drinking Water	Perfluoroheptanesulfonic acid (PFHpS)
533	533	Drinking Water	Perfluoroheptanoic acid (PFHpA)
533	533	Drinking Water	Perfluorohexanoic acid (PFHxA)
533	533	Drinking Water	Perfluoropentanesulfonic acid (PFPeS)
533	533	Drinking Water	Perfluoropentanoic acid (PFPeA)
533	533	Drinking Water	Perfluoroundecanoic acid (PFUnA)
EPA 537.1 V2	537.1 DW	Drinking Water	11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid
EPA 537.1 V2	537.1 DW	Drinking Water	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)
EPA 537.1 V2	537.1 DW	Drinking Water	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid
EPA 537.1 V2	537.1 DW	Drinking Water	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)
EPA 537.1 V2	537.1 DW	Drinking Water	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)
EPA 537.1 V2	537.1 DW	Drinking Water	Perfluorodecanoic acid (PFDA)
EPA 537.1 V2	537.1 DW	Drinking Water	Perfluorododecanoic acid (PFDoA)
EPA 537.1 V2	537.1 DW	Drinking Water	Perfluoroheptanoic acid (PFHpA)
EPA 537.1 V2	537.1 DW	Drinking Water	Perfluorohexanoic acid (PFHxA)
EPA 537.1 V2	537.1 DW	Drinking Water	Perfluorotetradecanoic acid (PFTeDA)
EPA 537.1 V2	537.1 DW	Drinking Water	Perfluorotridecanoic acid (PFTrDA)
EPA 537.1 V2	537.1 DW	Drinking Water	Perfluoroundecanoic acid (PFUnA)

Method Summary

Client: NAVFAC Hawaii Environmental Svcs Lab
Project/Site: MCBH Kaneohe

Job ID: 810-185424-1

Method	Method Description	Protocol	Laboratory
533	Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water	EPA	EA SB
EPA 537.1 V2	EPA 537.1 Ver. 2.0 March 2020	EPA	EA SB
533	Extraction of Perfluorinated and Polyfluorinated Alkyl Acids	EPA	EA SB
537.1 DW	Extraction of Perfluorinated Alkyl Acids	EPA	EA SB

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EA SB = Eurofins South Bend, 110 S Hill Street, South Bend, IN 46617, TEL (574)233-4777



Sample Summary

Client: NAVFAC Hawaii Environmental Svcs Lab
Project/Site: MCBH Kaneohe

Job ID: 810-185424-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	PWSID Number
810-185424-1	26-02228, MCBH BLDG 1296, TP001	Drinking Water	03/23/26 07:15	03/25/26 09:45	HI0000356

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

South Bend, IN
 110 S Hill Street
 South Bend, IN 46617
 Phone (574) 233-4777 Phone (574) 233-8207

Chain of Custody Record



Client Information
 Client Contact: Duane Morita
 Phone: _____
 Lab P#: _____
 Lab Name: Chlebowski, Traci
 E-Mail: Traci.Chlebowski@eurofinsus.com
 State of Origin: Hawaii
 Carrier Tracking No(s): 8899 0524 7132
 COC No: 810-66162-7383-1
 Page: Page 1 of 1
 Job #: 1 OF 2

Company: NAVFAC Hawaii: Environmental Svcs. Lab
 PMSID: HI0000366
 Address: PRJ411 Bldg 1423 Central Avenue
 City: JBFH-1
 State, Zip: HI, 96860
 Phone: (808) 474-3704
 Email: duane.l.morita.civ@us.navy.mil
 Project Name: Source Testing
 Project #: 810-00302
 SSO#: _____
 Site: MCBH Kaneohe

Analysis Requested
 Due Date Requested: _____
 TAT Requested (days): _____
 Compliance Project: Yes No
 Matrix (Water, Solid, Other): _____
 Field Filtered Sample: Yes No
 Perform MS/MS: Yes No
 537.1_DW_PREC - 537.1 PFC18
 533 - 533 Perfluorinated/Alkyl Substances
 537.1_DW_PREC - FRB 537.1
 533 - FRB 533
 Initial Temp: 3.8
 Corrected Temp: 3.4
 IR Gun #: 35
 Other: _____

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Water, Solid, Other)	Preservation Code: (BT=Issue, A=Air)	Field Filtered Sample	Perform MS/MS	Special Instructions/Note:
26-02228, MCBH BLDG 1296, TF001	3/23/26	0715	G	Drinking Water		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
26-02229, Field Blank	3/23/26	0718	Field Blank	Drinking Water		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
26-02230, Field Blank	3/23/26	0715	Field Blank	Drinking Water		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	



810-185424 Chain of Custody

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological
 Deliverable Requested: I, II, III, IV, Other (specify) _____
 Sample Disposal (A fee may be assessed if samples are retained longer than 1 month):
 Return To Client Disposal By Lab Archive For _____ Months
 Special Instructions/QC Requirements: _____

Will use earliest time given

PE S Preservation Lot # Verified to Match

Empty Kit Relinquished by: _____
 Relinquished by: Duane Morita
 Date/Time: 23 Mar 2016 1430
 Company: NAVFAC Hawaii
 Relinquished by: _____
 Date/Time: _____
 Company: _____
 Relinquished by: _____
 Date/Time: _____
 Company: _____
 Custody Seals Intact: Yes No
 Custody Seal No.: _____
 Received by: _____
 Date/Time: 03-23-2016
 Company: 0945
 Cooler Temperature(s) °C and Other Remarks: _____



rev. 20260113

Chain of Custody

ALL HIGHLIGHTED AREAS are for LAB USE ONLY

Page 1 of 1

Company Name: NAVFAC HI EV Services Laboratory

Address: BLDG. 1423 Central Ave.

City / State / Zip: JBPHH, HI 96860

Lab Manager: Duane Morita

Phone/Fax Number: 808-474-0788

Main Office Number: 808-474-3704

Client: MCBH DW

Client Contact: Sean Smithier

Phone Number: (808) 257-2774

Report To: Sean Smithier (sean.smithier@usmc.mil)

Copy To: Jacob Bruhn (jacob.bruhn@usmc.mil)

Patrick Crife (patrick.crife@usmc.mil)

TAT: [] 1 day [] 2 day [] 1 week [] Routine (2 weeks)

Special Instructions:

Preservative 12a = Trizma Pre-set Preservative 12b = Ammonium Acetate

Sampling Information

Location Sampled (Print clearly below): MCBH Kaneohe

Sampler(s) (Print name(s) clearly below): J Bruhn

LAB NUMBER	CUSTOMER SAMPLE ID	DATE	TIME	MATRIX CODE	NO. OF CONTAINERS	Res. Cl (ppm)	Collection Information	
							PFAS, EPA 537.1	PFAS, EPA 533
26-02228	MCBH Kaneohe TP001, Bldg 1296	3/23/24	0716/0718	DW	5	0.44	X	X
26-02229	Field Trip Blank, EPA 537.1	3/23/24	0718	DW	2	0.44	X	
26-02230	Field Trip Blank, EPA 533	3/23/24	0715	DW	2	0.44	X	X

Transportation Information

Transported/Stored in: Cooler
 Received on loc: N
 Received By (Print Name): J Bruhn
 Signature: [Signature]
 Date: 3/23/24
 Time: 0918

Sample Condition

Received By (Print Name): [Signature]
 Date: 3/23/24
 Time: 0918

Unused Sample Disposition

Return to Customer: []
 Archive for ___ days: []
 Contact before disposal: []
 Dispose at 60 days: []

Container Size/Type	Container Preservative Type	Container No.	Preservative Type:
EJ			1 - None
EJ			2 - HCl
			3 - Na ₂ S ₂ O ₃
			4 - NaOH
			5 - NH ₄ Cl
			6 - CH ₃ OH
			7 - HNO ₃
			8 - H ₂ SO ₄
			9 - Crilled
			10 - ZnOAc
			11 - (NH ₄) ₂ SO ₄
			12 - Other

Remarks (continued):

Received By (Print Name): [Signature]
 Date: 3/23/2024
 Time: 0918

Received By (Print Name): [Signature]
 Date: 3/23/2024
 Time: 0918

2 of 2

Login Sample Receipt Checklist

Client: NAVFAC Hawaii Environmental Svcs Lab

Job Number: 810-185424-1

Login Number: 185424

List Source: Eurofins South Bend

List Number: 1

Creator: DePriest, Kellie

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Samples do not require splitting or compositing.	True	
Were samples preserved to correct pH upon receipt, if applicable?	True	
Sample Preservative Verified	True	
Container provided by EEA	True	

