eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Erwin Kawata
City & County of Honolulu
630 South Beretania Street
Public Service Bldg. Room 310
Honolulu, Hawaii 96843

Generated 10/29/2026 4:54:17 PM

JOB DESCRIPTION

RED-HILL
PFAS: Aiea Gulch Wells Pump 2
RUSH Weekly Red Hill

JOB NUMBER

380-241985-1

Eurofins Pomona
941 Corporate Center Drive
Pomona CA 91768-2642

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and 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 West, LLC Project Manager.

Compliance Statement

1. Laboratory is accredited in accordance with TNI 2016 Standards and ISO/IEC 17025:2017.
2. Laboratory certifies that the test results meet all TNI 2016 and ISO/IEC 17025:2017 requirements unless noted under the individual analysis
3. Test results relate only to the sample(s) tested.
4. This report shall not be reproduced except in full, without the written approval of the laboratory.
5. Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below. (DW,Water matrices)

Authorization



Generated
10/29/2026 4:54:17 PM

Authorized for release by
Maria Lopez, Project Manager
Maria.Lopez@et.eurofinsus.com
(626)386-1145

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Detection Summary 6
Client Sample Results 7
Action Limit Summary 9
Surrogate Summary 10
Isotope Dilution Summary 11
QC Sample Results 13
QC Association Summary 24
Lab Chronicle 25
Certification Summary 26
Method Summary 27
Sample Summary 28
Chain of Custody 29
Receipt Checklists 31

Definitions/Glossary

Client: City & County of Honolulu
Project/Site: RED-HILL

Job ID: 380-241985-1
SDG: PFAS: Aiea Gulch Wells Pump 2

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

Job Narrative
380-241985-1

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 10/14/2026 9:55 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.7°C and 2.9°C.

PFAS
Method 533 and 537.1 : IDAs 13C2 PFDoA , 13C3 HFPO-DA, 13C4 PFBA, 13C4 PFHpA, 13C5 PFHxA, 13C5 PFPeA, 13C6 PFDA, 13C5 PFUnA , 13C7 PFOa and 13C9 PFNA failed biased low in sample FB: AIEA GULCH WELLS PUMP 2 (331-201-TP072) (380-241985-2). Affected analytes qualified. Result not acceptable per method. PFAS results by EPA 537.1 and EPA 533 for Field Blank AIEA GULCH WELLS PUMP 2 (331-201-TP072) (380-241985-2) collected on 10/12/26 are not acceptable for compliance and data has been excluded. Analysis of the Field Blank is required only if a field sample contains a method analyte or analytes at, or above, the MRL. Sample results showed ND thus valid for reporting. (XWB4)

FB: AIEA GULCH WELLS PUMP 2 (331-201-TP072) (380-241985-2)

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

Detection Summary

Client: City & County of Honolulu
Project/Site: RED-HILL

Job ID: 380-241985-1
SDG: PFAS: Aiea Gulch Wells Pump 2

Client Sample ID: AIEA GULCH WELLS PUMP 2 (331-202-TP072)
PWSID Number: HI0000331

Lab Sample ID: 380-241985-1

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: AIEA GULCH WELLS PUMP 2 (331-202-TP072)
Date Collected: 10/12/26 11:39
Date Received: 10/14/26 09:55

Lab Sample ID: 380-241985-1
Matrix: Drinking Water
PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	<2.0		2.0		ng/L		10/15/26 08:19	10/16/26 04:29	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	<2.0		2.0		ng/L		10/15/26 08:19	10/16/26 04:29	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<2.0		2.0		ng/L		10/15/26 08:19	10/16/26 04:29	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	<2.0		2.0		ng/L		10/15/26 08:19	10/16/26 04:29	1
Perfluorobutanesulfonic acid (PFBS)	<2.0		2.0		ng/L		10/15/26 08:19	10/16/26 04:29	1
Perfluorodecanoic acid (PFDA)	<2.0		2.0		ng/L		10/15/26 08:19	10/16/26 04:29	1
Perfluorododecanoic acid (PFDoA)	<2.0		2.0		ng/L		10/15/26 08:19	10/16/26 04:29	1
Perfluoroheptanoic acid (PFHpA)	<2.0		2.0		ng/L		10/15/26 08:19	10/16/26 04:29	1
Perfluorohexanesulfonic acid (PFHxS)	<2.0		2.0		ng/L		10/15/26 08:19	10/16/26 04:29	1
Perfluorohexanoic acid (PFHxA)	<2.0		2.0		ng/L		10/15/26 08:19	10/16/26 04:29	1
Perfluorononanoic acid (PFNA)	<2.0		2.0		ng/L		10/15/26 08:19	10/16/26 04:29	1
Perfluorooctanesulfonic acid (PFOS)	<2.0		2.0		ng/L		10/15/26 08:19	10/16/26 04:29	1
Perfluorooctanoic acid (PFOA)	<2.0		2.0		ng/L		10/15/26 08:19	10/16/26 04:29	1
Perfluoroundecanoic acid (PFUnA)	<2.0		2.0		ng/L		10/15/26 08:19	10/16/26 04:29	1
Perfluorobutanoic acid (PFBA)	<2.0		2.0		ng/L		10/15/26 08:19	10/16/26 04:29	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	<2.0		2.0		ng/L		10/15/26 08:19	10/16/26 04:29	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	<2.0		2.0		ng/L		10/15/26 08:19	10/16/26 04:29	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	<2.0		2.0		ng/L		10/15/26 08:19	10/16/26 04:29	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	<2.0		2.0		ng/L		10/15/26 08:19	10/16/26 04:29	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	<2.0		2.0		ng/L		10/15/26 08:19	10/16/26 04:29	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	<2.0		2.0		ng/L		10/15/26 08:19	10/16/26 04:29	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	<2.0		2.0		ng/L		10/15/26 08:19	10/16/26 04:29	1
Perfluoropentanoic acid (PFPeA)	<2.0		2.0		ng/L		10/15/26 08:19	10/16/26 04:29	1
Perfluoroheptanesulfonic acid (PFHpS)	<2.0		2.0		ng/L		10/15/26 08:19	10/16/26 04:29	1
Perfluoropentanesulfonic acid (PFPeS)	<2.0		2.0		ng/L		10/15/26 08:19	10/16/26 04:29	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C3 HFPO-DA	*107*		*50 - 200*	*10/15/26 08:19*	*10/16/26 04:29*	*1*
13C6 PFDA	*112*		*50 - 200*	*10/15/26 08:19*	*10/16/26 04:29*	*1*
13C5 PFHxA	*109*		*50 - 200*	*10/15/26 08:19*	*10/16/26 04:29*	*1*
13C4 PFHpA	*109*		*50 - 200*	*10/15/26 08:19*	*10/16/26 04:29*	*1*
13C8 PFOA	*109*		*50 - 200*	*10/15/26 08:19*	*10/16/26 04:29*	*1*
13C9 PFNA	*108*		*50 - 200*	*10/15/26 08:19*	*10/16/26 04:29*	*1*
13C7 PFUnA	*101*		*50 - 200*	*10/15/26 08:19*	*10/16/26 04:29*	*1*
13C2 PFDoA	*105*		*50 - 200*	*10/15/26 08:19*	*10/16/26 04:29*	*1*
13C4 PFBA	*100*		*50 - 200*	*10/15/26 08:19*	*10/16/26 04:29*	*1*
13C5 PFPeA	*106*		*50 - 200*	*10/15/26 08:19*	*10/16/26 04:29*	*1*
13C3 PFBS	*99*		*50 - 200*	*10/15/26 08:19*	*10/16/26 04:29*	*1*
13C3 PFHxS	*99*		*50 - 200*	*10/15/26 08:19*	*10/16/26 04:29*	*1*

Client Sample ID: AIEA GULCH WELLS PUMP 2 (331-202-TP072)
Lab Sample ID: 380-241985-1

Date Collected: 10/12/26 11:39
Matrix: Drinking Water

Date Received: 10/14/26 09:55
PWSID Number: HI0000331

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

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C8 PFOS	*97*		*50 - 200*	*10/15/26 08:19*	*10/16/26 04:29*	*1*
13C2-4:2-FTS	*109*		*50 - 200*	*10/15/26 08:19*	*10/16/26 04:29*	*1*
13C2-6:2-FTS	*102*		*50 - 200*	*10/15/26 08:19*	*10/16/26 04:29*	*1*
13C2-8:2-FTS	*97*		*50 - 200*	*10/15/26 08:19*	*10/16/26 04:29*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	<2.0		2.0		ng/L		10/15/26 11:15	10/16/26 11:28	1
Perfluorooctanesulfonic acid (PFOS)	<2.0		2.0		ng/L		10/15/26 11:15	10/16/26 11:28	1
Perfluoroundecanoic acid (PFUnA)	<2.0		2.0		ng/L		10/15/26 11:15	10/16/26 11:28	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<2.0		2.0		ng/L		10/15/26 11:15	10/16/26 11:28	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<2.0		2.0		ng/L		10/15/26 11:15	10/16/26 11:28	1
Perfluorohexanoic acid (PFHxA)	<2.0		2.0		ng/L		10/15/26 11:15	10/16/26 11:28	1
Perfluorododecanoic acid (PFDoA)	<2.0		2.0		ng/L		10/15/26 11:15	10/16/26 11:28	1
Perfluorooctanoic acid (PFOA)	<2.0		2.0		ng/L		10/15/26 11:15	10/16/26 11:28	1
Perfluorodecanoic acid (PFDA)	<2.0		2.0		ng/L		10/15/26 11:15	10/16/26 11:28	1
Perfluorohexanesulfonic acid (PFHxS)	<2.0		2.0		ng/L		10/15/26 11:15	10/16/26 11:28	1
Perfluorobutanesulfonic acid (PFBS)	<2.0		2.0		ng/L		10/15/26 11:15	10/16/26 11:28	1
Perfluoroheptanoic acid (PFHpA)	<2.0		2.0		ng/L		10/15/26 11:15	10/16/26 11:28	1
Perfluorononanoic acid (PFNA)	<2.0		2.0		ng/L		10/15/26 11:15	10/16/26 11:28	1
Perfluorotetradecanoic acid (PFTA)	<2.0		2.0		ng/L		10/15/26 11:15	10/16/26 11:28	1
Perfluorotridecanoic acid (PFTrDA)	<2.0		2.0		ng/L		10/15/26 11:15	10/16/26 11:28	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	<2.0		2.0		ng/L		10/15/26 11:15	10/16/26 11:28	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	<2.0		2.0		ng/L		10/15/26 11:15	10/16/26 11:28	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<2.0		2.0		ng/L		10/15/26 11:15	10/16/26 11:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*106*		*70 - 130*	*10/15/26 11:15*	*10/16/26 11:28*	*1*
13C2 PFHxA	*111*		*70 - 130*	*10/15/26 11:15*	*10/16/26 11:28*	*1*
13C2 PFDA	*108*		*70 - 130*	*10/15/26 11:15*	*10/16/26 11:28*	*1*
13C3-GenX	*106*		*70 - 130*	*10/15/26 11:15*	*10/16/26 11:28*	*1*

Action Limit Summary

Client: City & County of Honolulu
Project/Site: RED-HILL

Job ID: 380-241985-1
SDG: PFAS: Aiea Gulch Wells Pump 2

Client Sample ID: AIEA GULCH WELLS PUMP 2 (331-202-TP072)

Lab Sample ID: 380-241985-1

PWSID Number: HI0000331

Compliance Check

The results obtained from the analytical testing of this data set were checked against compliance limits received from the client. Any results at or above the compliance limits have been highlighted for your convenience.

Analyte	Result	Qualifier	Unit	EPAMCL Limit	RL	Method	Prep Type
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	<2.0		ng/L	10	2.0	533	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	<2.0		ng/L	10	2.0	533	Total/NA
Perfluorononanoic acid (PFNA)	<2.0		ng/L	10	2.0	533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	<2.0		ng/L	4	2.0	533	Total/NA
Perfluorooctanoic acid (PFOA)	<2.0		ng/L	4	2.0	533	Total/NA
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	<2.0		ng/L	10	2.0	EPA 537.1 V2	Total/NA
Perfluorooctanesulfonic acid (PFOS)	<2.0		ng/L	4	2.0	EPA 537.1 V2	Total/NA
Perfluorooctanoic acid (PFOA)	<2.0		ng/L	4	2.0	EPA 537.1 V2	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	<2.0		ng/L	10	2.0	EPA 537.1 V2	Total/NA
Perfluorononanoic acid (PFNA)	<2.0		ng/L	10	2.0	EPA 537.1 V2	Total/NA

Surrogate Summary

Client: City & County of Honolulu
Project/Site: RED-HILL

Job ID: 380-241985-1
SDG: PFAS: Aiea Gulch Wells Pump 2

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)			
		d5NEFOS	PFHxA	PFDA	GenX
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)	(70-130)
380-241985-1	AIEA GULCH WELLS PUMP 2 (	106	111	108	106
380-241985-1 MS	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	112	110	106	112
380-241985-1 MSD	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	109	106	103	104

Surrogate Legend

d5NEFOS = d5-NEtFOSAA
PFHxA = 13C2 PFHxA
PFDA = 13C2 PFDA
GenX = 13C3-GenX

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		d5NEFOS	PFHxA	PFDA	GenX
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)	(70-130)
LCS 380-258838/22-A	Lab Control Sample	101	107	108	99
MBL 380-258838/20-A	Method Blank	90	96	103	90
MRL 380-258838/21-A	Lab Control Sample	103	101	106	97

Surrogate Legend

d5NEFOS = d5-NEtFOSAA
PFHxA = 13C2 PFHxA
PFDA = 13C2 PFDA
GenX = 13C3-GenX

Isotope Dilution Summary

Client: City & County of Honolulu
Project/Site: RED-HILL

Job ID: 380-241985-1
SDG: PFAS: Aiea Gulch Wells Pump 2

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	HFPODA (50-200)	C6PFDA (50-200)	13C5PHA (50-200)	C4PFHA (50-200)	C8PFOA (50-200)	C9PFNA (50-200)	13C7PUA (50-200)	PFDoA (50-200)
380-241985-1	AIEA GULCH WELLS PUMP 2 (	107	112	109	109	109	108	101	105

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFBA (50-200)	PFPeA (50-200)	C3PFBS (50-200)	C3PFHS (50-200)	C8PFOS (50-200)	42FTS (50-200)	62FTS (50-200)	82FTS (50-200)
380-241985-1	AIEA GULCH WELLS PUMP 2 (	100	106	99	99	97	109	102	97

Surrogate Legend

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

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

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	HFPODA (50-200)	C6PFDA (50-200)	13C5PHA (50-200)	C4PFHA (50-200)	C8PFOA (50-200)	C9PFNA (50-200)	13C7PUA (50-200)	PFDoA (50-200)
380-241575-B-4-A MS	Matrix Spike	110	114	106	106	107	103	110	107
380-241575-C-4-A MSD	Matrix Spike Duplicate	118	109	104	108	112	103	103	110
LCS 380-258842/46-A	Lab Control Sample	104	111	105	100	106	97	101	104
MBL 380-258842/44-A	Method Blank	96	114	107	103	102	108	100	94
MRL 380-258842/45-A	Lab Control Sample	93	109	99	105	102	102	99	109

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFBA (50-200)	PFPeA (50-200)	C3PFBS (50-200)	C3PFHS (50-200)	C8PFOS (50-200)	42FTS (50-200)	62FTS (50-200)	82FTS (50-200)
380-241575-B-4-A MS	Matrix Spike	104	108	103	101	99	103	102	99
380-241575-C-4-A MSD	Matrix Spike Duplicate	106	112	107	104	102	107	102	101
LCS 380-258842/46-A	Lab Control Sample	104	107	105	105	102	104	103	104
MBL 380-258842/44-A	Method Blank	103	107	103	101	101	104	106	101
MRL 380-258842/45-A	Lab Control Sample	102	104	108	105	105	112	111	106

Surrogate Legend

HFPODA = 13C3 HFPO-DA
C6PFDA = 13C6 PFDA
13C5PHA = 13C5 PFHxA
C4PFHA = 13C4 PFHpA
C8PFOA = 13C8 PFOA

Isotope Dilution Summary

Client: City & County of Honolulu
Project/Site: RED-HILL

Job ID: 380-241985-1
SDG: PFAS: Aiea Gulch Wells Pump 2

C9PFNA = 13C9 PFNA
13C7PUA = 13C7 PFUnA
PFDoA = 13C2 PFDoA
PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
C3PFBS = 13C3 PFBS
C3PFHS = 13C3 PFHxS
C8PFOS = 13C8 PFOS
42FTS = 13C2-4:2-FTS
62FTS = 13C2-6:2-FTS
82FTS = 13C2-8:2-FTS

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

Lab Sample ID: MBL 380-258842/44-A
Matrix: Water
Analysis Batch: 259019

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 258842

Analyte	MBL Result	MBL Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	<0.29		2.0		ng/L		10/15/26 08:19	10/15/26 22:26	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	<0.30		2.0		ng/L		10/15/26 08:19	10/15/26 22:26	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.59		2.0		ng/L		10/15/26 08:19	10/15/26 22:26	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	<0.99		2.0		ng/L		10/15/26 08:19	10/15/26 22:26	1
Perfluorobutanesulfonic acid (PFBS)	<0.36		2.0		ng/L		10/15/26 08:19	10/15/26 22:26	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0		ng/L		10/15/26 08:19	10/15/26 22:26	1
Perfluorododecanoic acid (PFDoA)	<0.53		2.0		ng/L		10/15/26 08:19	10/15/26 22:26	1
Perfluoroheptanoic acid (PFHpA)	<0.38		2.0		ng/L		10/15/26 08:19	10/15/26 22:26	1
Perfluorohexanesulfonic acid (PFHxS)	<0.32		2.0		ng/L		10/15/26 08:19	10/15/26 22:26	1
Perfluorohexanoic acid (PFHxA)	<0.45		2.0		ng/L		10/15/26 08:19	10/15/26 22:26	1
Perfluorononanoic acid (PFNA)	<0.39		2.0		ng/L		10/15/26 08:19	10/15/26 22:26	1
Perfluorooctanesulfonic acid (PFOS)	<0.42		2.0		ng/L		10/15/26 08:19	10/15/26 22:26	1
Perfluorooctanoic acid (PFOA)	<0.37		2.0		ng/L		10/15/26 08:19	10/15/26 22:26	1
Perfluoroundecanoic acid (PFUnA)	<0.41		2.0		ng/L		10/15/26 08:19	10/15/26 22:26	1
Perfluorobutanoic acid (PFBA)	<0.68		2.0		ng/L		10/15/26 08:19	10/15/26 22:26	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	<0.38		2.0		ng/L		10/15/26 08:19	10/15/26 22:26	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	<0.36		2.0		ng/L		10/15/26 08:19	10/15/26 22:26	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	<0.47		2.0		ng/L		10/15/26 08:19	10/15/26 22:26	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	<0.46		2.0		ng/L		10/15/26 08:19	10/15/26 22:26	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	<0.24		2.0		ng/L		10/15/26 08:19	10/15/26 22:26	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	<0.45		2.0		ng/L		10/15/26 08:19	10/15/26 22:26	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	<0.15		2.0		ng/L		10/15/26 08:19	10/15/26 22:26	1
Perfluoropentanoic acid (PFPeA)	<0.37		2.0		ng/L		10/15/26 08:19	10/15/26 22:26	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.35		2.0		ng/L		10/15/26 08:19	10/15/26 22:26	1
Perfluoropentanesulfonic acid (PFPeS)	<0.38		2.0		ng/L		10/15/26 08:19	10/15/26 22:26	1

Isotope Dilution	*MBL %Recovery*	*MBL Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C3 HFPO-DA	*96*		*50 - 200*	*10/15/26 08:19*	*10/15/26 22:26*	*1*
13C6 PFDA	*114*		*50 - 200*	*10/15/26 08:19*	*10/15/26 22:26*	*1*
13C5 PFHxA	*107*		*50 - 200*	*10/15/26 08:19*	*10/15/26 22:26*	*1*
13C4 PFHpA	*103*		*50 - 200*	*10/15/26 08:19*	*10/15/26 22:26*	*1*
13C8 PFOA	*102*		*50 - 200*	*10/15/26 08:19*	*10/15/26 22:26*	*1*
13C9 PFNA	*108*		*50 - 200*	*10/15/26 08:19*	*10/15/26 22:26*	*1*
13C7 PFUnA	*100*		*50 - 200*	*10/15/26 08:19*	*10/15/26 22:26*	*1*
13C2 PFDoA	*94*		*50 - 200*	*10/15/26 08:19*	*10/15/26 22:26*	*1*
13C4 PFBA	*103*		*50 - 200*	*10/15/26 08:19*	*10/15/26 22:26*	*1*
13C5 PFPeA	*107*		*50 - 200*	*10/15/26 08:19*	*10/15/26 22:26*	*1*
13C3 PFBS	*103*		*50 - 200*	*10/15/26 08:19*	*10/15/26 22:26*	*1*
13C3 PFHxS	*101*		*50 - 200*	*10/15/26 08:19*	*10/15/26 22:26*	*1*

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

Lab Sample ID: MBL 380-258842/44-A
Matrix: Water
Analysis Batch: 259019

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 258842

Isotope Dilution	MBL %Recovery	MBL Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C8 PFOS	101		50 - 200	10/15/26 08:19	10/15/26 22:26	1
13C2-4:2-FTS	104		50 - 200	10/15/26 08:19	10/15/26 22:26	1
13C2-6:2-FTS	106		50 - 200	10/15/26 08:19	10/15/26 22:26	1
13C2-8:2-FTS	101		50 - 200	10/15/26 08:19	10/15/26 22:26	1

Lab Sample ID: LCS 380-258842/46-A
Matrix: Water
Analysis Batch: 259019

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 258842

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	118	117		ng/L		99	70 - 130
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	118	113		ng/L		95	70 - 130
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	118	113		ng/L		96	70 - 130
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	118	117		ng/L		99	70 - 130
Perfluorobutanesulfonic acid (PFBS)	118	110		ng/L		93	70 - 130
Perfluorodecanoic acid (PFDA)	118	103		ng/L		87	70 - 130
Perfluorododecanoic acid (PFDoA)	118	118		ng/L		100	70 - 130
Perfluoroheptanoic acid (PFHpA)	118	114		ng/L		96	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	118	113		ng/L		95	70 - 130
Perfluorohexanoic acid (PFHxA)	118	108		ng/L		91	70 - 130
Perfluorononanoic acid (PFNA)	118	120		ng/L		102	70 - 130
Perfluorooctanesulfonic acid (PFOS)	118	115		ng/L		98	70 - 130
Perfluorooctanoic acid (PFOA)	118	107		ng/L		90	70 - 130
Perfluoroundecanoic acid (PFUnA)	118	117		ng/L		99	70 - 130
Perfluorobutanoic acid (PFBA)	118	111		ng/L		94	70 - 130
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	118	111		ng/L		94	70 - 130
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	118	107		ng/L		91	70 - 130
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	118	113		ng/L		95	70 - 130
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	118	151		ng/L		127	70 - 130
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	118	108		ng/L		92	70 - 130
Perfluoro-3-methoxypropanoic acid (PFMPA)	118	109		ng/L		92	70 - 130
Perfluoro-4-methoxybutanoic acid (PFMBA)	118	111		ng/L		94	70 - 130
Perfluoropentanoic acid (PFPeA)	118	109		ng/L		92	70 - 130
Perfluoroheptanesulfonic acid (PFHpS)	118	115		ng/L		97	70 - 130

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

Lab Sample ID: LCS 380-258842/46-A
Matrix: Water
Analysis Batch: 259019

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 258842

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Perfluoropentanesulfonic acid (PFPeS)			118	114		ng/L		96	70 - 130		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C3 HFPO-DA	*104*		*50 - 200*
13C6 PFDA	*111*		*50 - 200*
13C5 PFHxA	*105*		*50 - 200*
13C4 PFHpA	*100*		*50 - 200*
13C8 PFOA	*106*		*50 - 200*
13C9 PFNA	*97*		*50 - 200*
13C7 PFUnA	*101*		*50 - 200*
13C2 PFDoA	*104*		*50 - 200*
13C4 PFBA	*104*		*50 - 200*
13C5 PFPeA	*107*		*50 - 200*
13C3 PFBS	*105*		*50 - 200*
13C3 PFHxS	*105*		*50 - 200*
13C8 PFOS	*102*		*50 - 200*
13C2-4:2-FTS	*104*		*50 - 200*
13C2-6:2-FTS	*103*		*50 - 200*
13C2-8:2-FTS	*104*		*50 - 200*

Lab Sample ID: MRL 380-258842/45-A
Matrix: Water
Analysis Batch: 259019

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 258842

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)			1.97	2.20	J	ng/L		112	50 - 150		
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)			1.97	2.07	J	ng/L		105	50 - 150		
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)			1.97	2.01	J	ng/L		102	50 - 150		
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)			1.97	1.89	J	ng/L		96	50 - 150		
Perfluorobutanesulfonic acid (PFBS)			1.97	1.82	J	ng/L		92	50 - 150		
Perfluorodecanoic acid (PFDA)			1.97	1.95	J	ng/L		99	50 - 150		
Perfluorododecanoic acid (PFDoA)			1.97	2.18	J	ng/L		111	50 - 150		
Perfluoroheptanoic acid (PFHpA)			1.97	2.17	J	ng/L		110	50 - 150		
Perfluorohexanesulfonic acid (PFHxS)			1.97	2.17	J	ng/L		110	50 - 150		
Perfluorohexanoic acid (PFHxA)			1.97	2.13	J	ng/L		108	50 - 150		
Perfluorononanoic acid (PFNA)			1.97	2.33	J	ng/L		118	50 - 150		
Perfluorooctanesulfonic acid (PFOS)			1.97	2.23	J	ng/L		113	50 - 150		
Perfluorooctanoic acid (PFOA)			1.97	2.21	J	ng/L		112	50 - 150		
Perfluoroundecanoic acid (PFUnA)			1.97	2.06	J	ng/L		104	50 - 150		
Perfluorobutanoic acid (PFBA)			1.97	2.04	J	ng/L		104	50 - 150		

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

Lab Sample ID: MRL 380-258842/45-A
Matrix: Water
Analysis Batch: 259019

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 258842

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	1.97	2.19	J	ng/L		111	50 - 150
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	1.97	2.13	J	ng/L		108	50 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	1.97	2.08	J	ng/L		106	50 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	1.97	2.32	J	ng/L		118	50 - 150
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	1.97	2.18	J	ng/L		111	50 - 150
Perfluoro-3-methoxypropanoic acid (PFMPA)	1.97	2.04	J	ng/L		104	50 - 150
Perfluoro-4-methoxybutanoic acid (PFMBA)	1.97	2.00	J	ng/L		102	50 - 150
Perfluoropentanoic acid (PFPeA)	1.97	2.09	J	ng/L		106	50 - 150
Perfluoroheptanesulfonic acid (PFHpS)	1.97	2.13	J	ng/L		108	50 - 150
Perfluoropentanesulfonic acid (PFPeS)	1.97	2.05	J	ng/L		104	50 - 150

Isotope Dilution	*MRL %Recovery*	*MRL Qualifier*	*Limits*
13C3 HFPO-DA	*93*		*50 - 200*
13C6 PFDA	*109*		*50 - 200*
13C5 PFHxA	*99*		*50 - 200*
13C4 PFHpA	*105*		*50 - 200*
13C8 PFOA	*102*		*50 - 200*
13C9 PFNA	*102*		*50 - 200*
13C7 PFUnA	*99*		*50 - 200*
13C2 PFDoA	*109*		*50 - 200*
13C4 PFBA	*102*		*50 - 200*
13C5 PFPeA	*104*		*50 - 200*
13C3 PFBS	*108*		*50 - 200*
13C3 PFHxS	*105*		*50 - 200*
13C8 PFOS	*105*		*50 - 200*
13C2-4:2-FTS	*112*		*50 - 200*
13C2-6:2-FTS	*111*		*50 - 200*
13C2-8:2-FTS	*106*		*50 - 200*

Lab Sample ID: 380-241575-B-4-A MS
Matrix: Water
Analysis Batch: 259019

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 258842

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	<2.0		118	116		ng/L		98	70 - 130
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	<2.0		118	116		ng/L		98	70 - 130
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<2.0		118	113		ng/L		95	70 - 130

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

Lab Sample ID: 380-241575-B-4-A MS
Matrix: Water
Analysis Batch: 259019

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 258842

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	<2.0		118	118		ng/L		100	70 - 130
Perfluorobutanesulfonic acid (PFBS)	<2.0		118	113		ng/L		94	70 - 130
Perfluorodecanoic acid (PFDA)	<2.0		118	107		ng/L		91	70 - 130
Perfluorododecanoic acid (PFDoA)	<2.0		118	121		ng/L		102	70 - 130
Perfluoroheptanoic acid (PFHpA)	<2.0		118	109		ng/L		92	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	<2.0		118	118		ng/L		98	70 - 130
Perfluorohexanoic acid (PFHxA)	<2.0		118	116		ng/L		98	70 - 130
Perfluorononanoic acid (PFNA)	<2.0		118	117		ng/L		99	70 - 130
Perfluorooctanesulfonic acid (PFOS)	<2.0		118	117		ng/L		98	70 - 130
Perfluorooctanoic acid (PFOA)	<2.0		118	118		ng/L		99	70 - 130
Perfluoroundecanoic acid (PFUnA)	<2.0		118	113		ng/L		96	70 - 130
Perfluorobutanoic acid (PFBA)	<2.0		118	112		ng/L		94	70 - 130
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	<2.0		118	113		ng/L		95	70 - 130
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	<2.0		118	112		ng/L		95	70 - 130
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	<2.0		118	114		ng/L		97	70 - 130
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	<2.0		118	112		ng/L		95	70 - 130
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	<2.0		118	119		ng/L		100	70 - 130
Perfluoro-3-methoxypropanoic acid (PFMPA)	<2.0		118	113		ng/L		95	70 - 130
Perfluoro-4-methoxybutanoic acid (PFMBA)	<2.0		118	115		ng/L		97	70 - 130
Perfluoropentanoic acid (PFPeA)	<2.0		118	113		ng/L		96	70 - 130
Perfluoroheptanesulfonic acid (PFHpS)	<2.0		118	117		ng/L		99	70 - 130
Perfluoropentanesulfonic acid (PFPeS)	<2.0		118	116		ng/L		98	70 - 130

Isotope Dilution	*MS %Recovery*	*MS Qualifier*	*Limits*
13C3 HFPO-DA	*110*		*50 - 200*
13C6 PFDA	*114*		*50 - 200*
13C5 PFHxA	*106*		*50 - 200*
13C4 PFHpA	*106*		*50 - 200*
13C8 PFOA	*107*		*50 - 200*
13C9 PFNA	*103*		*50 - 200*
13C7 PFUnA	*110*		*50 - 200*
13C2 PFDoA	*107*		*50 - 200*
13C4 PFBA	*104*		*50 - 200*
13C5 PFPeA	*108*		*50 - 200*
13C3 PFBS	*103*		*50 - 200*
13C3 PFHxS	*101*		*50 - 200*
13C8 PFOS	*99*		*50 - 200*

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

Lab Sample ID: 380-241575-B-4-A MS
Matrix: Water
Analysis Batch: 259019

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 258842

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C2-4:2-FTS	103		50 - 200
13C2-6:2-FTS	102		50 - 200
13C2-8:2-FTS	99		50 - 200

Lab Sample ID: 380-241575-C-4-A MSD
Matrix: Water
Analysis Batch: 259019

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 258842

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	<2.0		118	113		ng/L		96	70 - 130	3	30
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	<2.0		118	109		ng/L		92	70 - 130	6	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<2.0		118	112		ng/L		95	70 - 130	0	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	<2.0		118	107		ng/L		90	70 - 130	10	30
Perfluorobutanesulfonic acid (PFBS)	<2.0		118	106		ng/L		89	70 - 130	6	30
Perfluorodecanoic acid (PFDA)	<2.0		118	98.3		ng/L		83	70 - 130	9	30
Perfluorododecanoic acid (PFDoA)	<2.0		118	118		ng/L		100	70 - 130	2	30
Perfluoroheptanoic acid (PFHpA)	<2.0		118	114		ng/L		96	70 - 130	4	30
Perfluorohexanesulfonic acid (PFHxS)	<2.0		118	113		ng/L		94	70 - 130	4	30
Perfluorohexanoic acid (PFHxA)	<2.0		118	115		ng/L		97	70 - 130	1	30
Perfluorononanoic acid (PFNA)	<2.0		118	123		ng/L		104	70 - 130	4	30
Perfluorooctanesulfonic acid (PFOS)	<2.0		118	113		ng/L		95	70 - 130	3	30
Perfluorooctanoic acid (PFOA)	<2.0		118	112		ng/L		94	70 - 130	5	30
Perfluoroundecanoic acid (PFUnA)	<2.0		118	130		ng/L		110	70 - 130	14	30
Perfluorobutanoic acid (PFBA)	<2.0		118	111		ng/L		93	70 - 130	1	30
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	<2.0		118	112		ng/L		94	70 - 130	1	30
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	<2.0		118	108		ng/L		91	70 - 130	3	30
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	<2.0		118	110		ng/L		93	70 - 130	4	30
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	<2.0		118	101		ng/L		85	70 - 130	11	30
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	<2.0		118	123		ng/L		104	70 - 130	3	30
Perfluoro-3-methoxypropanoic acid (PFMPA)	<2.0		118	110		ng/L		93	70 - 130	3	30
Perfluoro-4-methoxybutanoic acid (PFMBA)	<2.0		118	116		ng/L		98	70 - 130	0	30
Perfluoropentanoic acid (PFPeA)	<2.0		118	110		ng/L		93	70 - 130	3	30
Perfluoroheptanesulfonic acid (PFHpS)	<2.0		118	117		ng/L		99	70 - 130	1	30
Perfluoropentanesulfonic acid (PFPeS)	<2.0		118	115		ng/L		97	70 - 130	1	30

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

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C3 HFPO-DA	118		50 - 200
13C6 PFDA	109		50 - 200
13C5 PFHxA	104		50 - 200
13C4 PFHpA	108		50 - 200
13C8 PFOA	112		50 - 200
13C9 PFNA	103		50 - 200
13C7 PFUnA	103		50 - 200
13C2 PFDoA	110		50 - 200
13C4 PFBA	106		50 - 200
13C5 PFPeA	112		50 - 200
13C3 PFBS	107		50 - 200
13C3 PFHxS	104		50 - 200
13C8 PFOS	102		50 - 200
13C2-4:2-FTS	107		50 - 200
13C2-6:2-FTS	102		50 - 200
13C2-8:2-FTS	101		50 - 200

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

Lab Sample ID: MBL 380-258838/20-A
Matrix: Water
Analysis Batch: 259173

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 258838

Analyte	MBL Result	MBL Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	<0.98		2.0		ng/L		10/15/26 11:15	10/16/26 10:59	1
Perfluorooctanesulfonic acid (PFOS)	<0.42		2.0		ng/L		10/15/26 11:15	10/16/26 10:59	1
Perfluoroundecanoic acid (PFUnA)	<0.41		2.0		ng/L		10/15/26 11:15	10/16/26 10:59	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<0.57		2.0		ng/L		10/15/26 11:15	10/16/26 10:59	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<0.41		2.0		ng/L		10/15/26 11:15	10/16/26 10:59	1
Perfluorohexanoic acid (PFHxA)	<0.45		2.0		ng/L		10/15/26 11:15	10/16/26 10:59	1
Perfluorododecanoic acid (PFDoA)	<0.53		2.0		ng/L		10/15/26 11:15	10/16/26 10:59	1
Perfluorooctanoic acid (PFOA)	<0.37		2.0		ng/L		10/15/26 11:15	10/16/26 10:59	1
Perfluorodecanoic acid (PFDA)	<0.30		2.0		ng/L		10/15/26 11:15	10/16/26 10:59	1
Perfluorohexanesulfonic acid (PFHxS)	<0.31		2.0		ng/L		10/15/26 11:15	10/16/26 10:59	1
Perfluorobutanesulfonic acid (PFBS)	<0.36		2.0		ng/L		10/15/26 11:15	10/16/26 10:59	1
Perfluoroheptanoic acid (PFHpA)	<0.38		2.0		ng/L		10/15/26 11:15	10/16/26 10:59	1
Perfluorononanoic acid (PFNA)	<0.39		2.0		ng/L		10/15/26 11:15	10/16/26 10:59	1
Perfluorotetradecanoic acid (PFTA)	<0.53		2.0		ng/L		10/15/26 11:15	10/16/26 10:59	1
Perfluorotridecanoic acid (PFTrDA)	<0.35		2.0		ng/L		10/15/26 11:15	10/16/26 10:59	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	<0.29		2.0		ng/L		10/15/26 11:15	10/16/26 10:59	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	<0.29		2.0		ng/L		10/15/26 11:15	10/16/26 10:59	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.59		2.0		ng/L		10/15/26 11:15	10/16/26 10:59	1

Surrogate	MBL %Recovery	MBL Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	90		70 - 130	10/15/26 11:15	10/16/26 10:59	1
13C2 PFHxA	96		70 - 130	10/15/26 11:15	10/16/26 10:59	1
13C2 PFDA	103		70 - 130	10/15/26 11:15	10/16/26 10:59	1

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

Lab Sample ID: MBL 380-258838/20-A
Matrix: Water
Analysis Batch: 259173

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 258838

Surrogate	MBL %Recovery	MBL Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3-GenX	90		70 - 130	10/15/26 11:15	10/16/26 10:59	1

Lab Sample ID: LCS 380-258838/22-A
Matrix: Water
Analysis Batch: 259173

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 258838

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	49.1	46.8		ng/L		95	70 - 130
Perfluorooctanesulfonic acid (PFOS)	49.1	52.6		ng/L		107	70 - 130
Perfluoroundecanoic acid (PFUnA)	49.1	53.4		ng/L		109	70 - 130
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	49.1	47.2		ng/L		96	70 - 130
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	49.1	48.6		ng/L		99	70 - 130
Perfluorohexanoic acid (PFHxA)	49.1	50.7		ng/L		103	70 - 130
Perfluorododecanoic acid (PFDoA)	49.1	54.5		ng/L		111	70 - 130
Perfluorooctanoic acid (PFOA)	49.1	50.5		ng/L		103	70 - 130
Perfluorodecanoic acid (PFDA)	49.1	49.0		ng/L		100	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	49.1	54.8		ng/L		112	70 - 130
Perfluorobutanesulfonic acid (PFBS)	49.1	53.4		ng/L		109	70 - 130
Perfluoroheptanoic acid (PFHpA)	49.1	50.8		ng/L		103	70 - 130
Perfluorononanoic acid (PFNA)	49.1	51.6		ng/L		105	70 - 130
Perfluorotetradecanoic acid (PFTA)	49.1	50.6		ng/L		103	70 - 130
Perfluorotridecanoic acid (PFTrDA)	49.1	54.7		ng/L		111	70 - 130
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	49.1	54.0		ng/L		110	70 - 130
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	49.1	53.5		ng/L		109	70 - 130
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	49.1	47.9		ng/L		98	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
d5-NEtFOSAA	101		70 - 130
13C2 PFHxA	107		70 - 130
13C2 PFDA	108		70 - 130
13C3-GenX	99		70 - 130

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

Lab Sample ID: MRL 380-258838/21-A
Matrix: Water
Analysis Batch: 259173

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 258838

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	1.96	1.85	J	ng/L		94	50 - 150
Perfluorooctanesulfonic acid (PFOS)	1.96	2.05	J	ng/L		104	50 - 150
Perfluoroundecanoic acid (PFUnA)	1.96	2.04	J	ng/L		104	50 - 150
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.96	1.94	J	ng/L		99	50 - 150
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.96	2.00	J	ng/L		102	50 - 150
Perfluorohexanoic acid (PFHxA)	1.96	2.02	J	ng/L		103	50 - 150
Perfluorododecanoic acid (PFDoA)	1.96	2.07	J	ng/L		106	50 - 150
Perfluorooctanoic acid (PFOA)	1.96	1.96	J	ng/L		100	50 - 150
Perfluorodecanoic acid (PFDA)	1.96	2.01	J	ng/L		103	50 - 150
Perfluorohexanesulfonic acid (PFHxS)	1.96	2.23	J	ng/L		114	50 - 150
Perfluorobutanesulfonic acid (PFBS)	1.96	2.00	J	ng/L		102	50 - 150
Perfluoroheptanoic acid (PFHpA)	1.96	1.99	J	ng/L		101	50 - 150
Perfluorononanoic acid (PFNA)	1.96	2.06	J	ng/L		105	50 - 150
Perfluorotetradecanoic acid (PFTA)	1.96	1.95	J	ng/L		99	50 - 150
Perfluorotridecanoic acid (PFTrDA)	1.96	2.08	J	ng/L		106	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	1.96	2.01	J	ng/L		102	50 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	1.96	2.07	J	ng/L		105	50 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	1.96	1.94	J	ng/L		99	50 - 150

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
d5-NEtFOSAA	*103*		*70 - 130*
13C2 PFHxA	*101*		*70 - 130*
13C2 PFDA	*106*		*70 - 130*
13C3-GenX	*97*		*70 - 130*

Lab Sample ID: 380-241985-1 MS
Matrix: Drinking Water
Analysis Batch: 259173

Client Sample ID: AIEA GULCH WELLS PUMP 2 (331-202-TP072)
Prep Type: Total/NA
Prep Batch: 258838

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	<2.0		24.6	26.8		ng/L		109	70 - 130
Perfluorooctanesulfonic acid (PFOS)	<2.0		24.6	26.6		ng/L		108	70 - 130
Perfluoroundecanoic acid (PFUnA)	<2.0		24.6	27.7		ng/L		112	70 - 130
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<2.0		24.6	25.9		ng/L		105	70 - 130

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

Lab Sample ID: 380-241985-1 MS — **Client Sample ID: AIEA GULCH WELLS PUMP 2 (331-202-TP072)**
Matrix: Drinking Water — **Prep Type: Total/NA**
Analysis Batch: 259173 — **Prep Batch: 258838**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<2.0		24.6	27.1		ng/L		110	70 - 130
Perfluorohexanoic acid (PFHxA)	<2.0		24.6	27.3		ng/L		107	70 - 130
Perfluorododecanoic acid (PFDoA)	<2.0		24.6	27.6		ng/L		112	70 - 130
Perfluorooctanoic acid (PFOA)	<2.0		24.6	27.8		ng/L		111	70 - 130
Perfluorodecanoic acid (PFDA)	<2.0		24.6	25.3		ng/L		103	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	<2.0		24.6	28.6		ng/L		114	70 - 130
Perfluorobutanesulfonic acid (PFBS)	<2.0		24.6	28.2		ng/L		115	70 - 130
Perfluoroheptanoic acid (PFHpA)	<2.0		24.6	27.0		ng/L		108	70 - 130
Perfluorononanoic acid (PFNA)	<2.0		24.6	26.4		ng/L		107	70 - 130
Perfluorotetradecanoic acid (PFTA)	<2.0		24.6	25.7		ng/L		104	70 - 130
Perfluorotridecanoic acid (PFTrDA)	<2.0		24.6	28.8		ng/L		117	70 - 130
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	<2.0		24.6	27.1		ng/L		110	70 - 130
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	<2.0		24.6	27.3		ng/L		111	70 - 130
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<2.0		24.6	26.7		ng/L		109	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
d5-NEtFOSAA	*112*		*70 - 130*
13C2 PFHxA	*110*		*70 - 130*
13C2 PFDA	*106*		*70 - 130*
13C3-GenX	*112*		*70 - 130*

Lab Sample ID: 380-241985-1 MSD — **Client Sample ID: AIEA GULCH WELLS PUMP 2 (331-202-TP072)**
Matrix: Drinking Water — **Prep Type: Total/NA**
Analysis Batch: 259173 — **Prep Batch: 258838**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	<2.0		24.6	24.4		ng/L		99	70 - 130	9	30
Perfluorooctanesulfonic acid (PFOS)	<2.0		24.6	27.1		ng/L		110	70 - 130	2	30
Perfluoroundecanoic acid (PFUnA)	<2.0		24.6	25.5		ng/L		104	70 - 130	8	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<2.0		24.6	25.3		ng/L		103	70 - 130	2	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<2.0		24.6	27.0		ng/L		110	70 - 130	0	30
Perfluorohexanoic acid (PFHxA)	<2.0		24.6	25.7		ng/L		101	70 - 130	6	30
Perfluorododecanoic acid (PFDoA)	<2.0		24.6	27.3		ng/L		111	70 - 130	1	30
Perfluorooctanoic acid (PFOA)	<2.0		24.6	26.1		ng/L		104	70 - 130	6	30
Perfluorodecanoic acid (PFDA)	<2.0		24.6	24.3		ng/L		99	70 - 130	4	30

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

Lab Sample ID: 380-241985-1 MSD
Matrix: Drinking Water
Analysis Batch: 259173

Client Sample ID: AIEA GULCH WELLS PUMP 2 (331-202-TP072)
Prep Type: Total/NA
Prep Batch: 258838

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorohexanesulfonic acid (PFHxS)	<2.0		24.6	28.1		ng/L		112	70 - 130	2	30
Perfluorobutanesulfonic acid (PFBS)	<2.0		24.6	27.6		ng/L		112	70 - 130	2	30
Perfluoroheptanoic acid (PFHpA)	<2.0		24.6	27.1		ng/L		108	70 - 130	0	30
Perfluorononanoic acid (PFNA)	<2.0		24.6	25.3		ng/L		103	70 - 130	4	30
Perfluorotetradecanoic acid (PFTA)	<2.0		24.6	23.9		ng/L		97	70 - 130	7	30
Perfluorotridecanoic acid (PFTrDA)	<2.0		24.6	27.5		ng/L		112	70 - 130	4	30
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	<2.0		24.6	26.2		ng/L		106	70 - 130	4	30
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	<2.0		24.6	28.0		ng/L		114	70 - 130	2	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<2.0		24.6	25.5		ng/L		104	70 - 130	5	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
d5-NEtFOSAA	*109*		*70 - 130*
13C2 PFHxA	*106*		*70 - 130*
13C2 PFDA	*103*		*70 - 130*
13C3-GenX	*104*		*70 - 130*

QC Association Summary

Client: City & County of Honolulu
Project/Site: RED-HILL

Job ID: 380-241985-1
SDG: PFAS: Aiea Gulch Wells Pump 2

LCMS

Prep Batch: 258838

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-241985-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	537.1 DW	
MBL 380-258838/20-A	Method Blank	Total/NA	Water	537.1 DW	
LCS 380-258838/22-A	Lab Control Sample	Total/NA	Water	537.1 DW	
MRL 380-258838/21-A	Lab Control Sample	Total/NA	Water	537.1 DW	
380-241985-1 MS	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	537.1 DW	
380-241985-1 MSD	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	537.1 DW	

Prep Batch: 258842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-241985-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	533	
MBL 380-258842/44-A	Method Blank	Total/NA	Water	533	
LCS 380-258842/46-A	Lab Control Sample	Total/NA	Water	533	
MRL 380-258842/45-A	Lab Control Sample	Total/NA	Water	533	
380-241575-B-4-A MS	Matrix Spike	Total/NA	Water	533	
380-241575-C-4-A MSD	Matrix Spike Duplicate	Total/NA	Water	533	

Analysis Batch: 259019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-241985-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	533	258842
MBL 380-258842/44-A	Method Blank	Total/NA	Water	533	258842
LCS 380-258842/46-A	Lab Control Sample	Total/NA	Water	533	258842
MRL 380-258842/45-A	Lab Control Sample	Total/NA	Water	533	258842
380-241575-B-4-A MS	Matrix Spike	Total/NA	Water	533	258842
380-241575-C-4-A MSD	Matrix Spike Duplicate	Total/NA	Water	533	258842

Analysis Batch: 259173

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-241985-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	EPA 537.1 V2	258838
MBL 380-258838/20-A	Method Blank	Total/NA	Water	EPA 537.1 V2	258838
LCS 380-258838/22-A	Lab Control Sample	Total/NA	Water	EPA 537.1 V2	258838
MRL 380-258838/21-A	Lab Control Sample	Total/NA	Water	EPA 537.1 V2	258838
380-241985-1 MS	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	EPA 537.1 V2	258838
380-241985-1 MSD	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	EPA 537.1 V2	258838

Lab Chronicle

Client: City & County of Honolulu
Project/Site: RED-HILL

Job ID: 380-241985-1
SDG: PFAS: Aiea Gulch Wells Pump 2

Client Sample ID: AIEA GULCH WELLS PUMP 2 (331-202-TP072)

Lab Sample ID: 380-241985-1

Date Collected: 10/12/26 11:39
Date Received: 10/14/26 09:55

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			258842	XTD8	EA POM	10/15/26 08:19
Total/NA	Analysis	533		1	259019	UKDT	EA POM	10/16/26 04:29
Total/NA	Prep	537.1 DW			258838	LM3A	EA POM	10/15/26 11:15
Total/NA	Analysis	EPA 537.1 V2		1	259173	M7ML	EA POM	10/16/26 11:28

Laboratory References:

EA POM = Eurofins Pomona, 941 Corporate Center Drive, Pomona, CA 91768-2642, TEL (626)386-1100

Accreditation/Certification Summary

Client: City & County of Honolulu
Project/Site: RED-HILL

Job ID: 380-241985-1
SDG: PFAS: Aiea Gulch Wells Pump 2

Laboratory: Eurofins Pomona

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

Authority	Program	Identification Number	Expiration Date
Hawaii	State	CA00006	01-31-27

Method Summary

Client: City & County of Honolulu
Project/Site: RED-HILL

Job ID: 380-241985-1
SDG: PFAS: Aiea Gulch Wells Pump 2

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

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EA POM = Eurofins Pomona, 941 Corporate Center Drive, Pomona, CA 91768-2642, TEL (626)386-1100

Sample Summary

Client: City & County of Honolulu
Project/Site: RED-HILL

Job ID: 380-241985-1
SDG: PFAS: Aiea Gulch Wells Pump 2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	PWSID Number
380-241985-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Drinking Water	10/12/26 11:39	10/14/26 09:55	HI0000331

Monrovia, CA (Suite 100)
750 Royal Oaks Drive Suite 100
Monrovia, CA 91016
Phone (626) 386-1100

Chain of Custody Record

eurofins | Environ Ameri

Client Information	Sampler: bailey	Lab PM: Lopez, Maria	Carrier Tracking No(s):	COC No:
Client Contact: kirk Iwamoto	Phone: +1 808 748 5840	E-Mail: Maria.Lopez@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1 — 380-241985 COC
Company: City & County of Honolulu	PWSID:			Job #:
Address: 630 South Beretania Street; Chemistry Lab	Due Date Requested:			
City: Honolulu	TAT Requested (days):			
State, Zip: HI, 96843	Compliance Project: Δ No			
Phone: 808-748-5840 (tel)	PO #: C20525101 exp 05312023			
Email: kiwamoto@hbws.org	WO #:			
Project Name: RED-HILL/HBWS sites Event Desc: RUSH Weekly Red Hill	Project #: 38001111			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SUBCONTRACT - 625 PAH Physis LL (EAL) + TICs	8016B_GRO_LL - (MOD) GRO	8016B_DRO_LL_C8 - HNL Ranges: C10-C24/C24-C36/C8-C18	625.2_PREC - (MOD) 625plus PLUS TICs	537.1_DW_PREC - 537.1 Full List	533 - All Analytes	Total Number of containers	Special Instructions/Note:
			Preservation Code:				R	A	Q	QA	Y	I		
Aiea Gulch Wells Pump 2 (331-202-TP072)	12-Oct-2026	1139	G	Water							3	3		chlorinated
FB: Aiea Gulch Wells Pump 2 (331-202-TP072)	12-Oct-2026	1139									1	1		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment: FX
[redacted]	Date/Time: 13 Oct 2026 1400	Company: HBWS	Received by:
	Date/Time:	Company:	Received by:
Relinquished by:	Date/Time:	Company:	Received by:

Received by:	Date/Time:	Company
	10/14/26 955	ESEAP
	Date/Time:	Company
Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: (3A) 2.7/2.9 Chet-Frozen

Ver 01/16/2019

ORIGIN ID:HIKA (808) 748-5840
BWS CHEMLAB
HONOLULU BOARD OF WATER SUPPLY
630 S. BERETANIA ST
CHEMICAL LABORATORY
HONOLULU HI 96843
UNITED STATES US

SHIP DATE: 13OCT26
ACTWGT 62.00 LB
CAD 258050552/INET4535

BILL RECIPIENT

TO EUROFINS RECEIVING DEPARTMENT
EUROFINS DRINKING WATER TESTING
941 CORPORATE CENTER DR

POMONA CA 91768
(626) 386-1100 REF:
INV:
PO: DEPT

58KJ1770DF/484B

FedEx Express

J26102601200 1uv

3 of 6

WED - 14 OCT 10:30A
PRIORITY OVERNIGHT

MPS# 0263 8786 2331 0587
Mstr# 8786 2331 0565

0201

91768

WM ONTA

CA-US ONT

RECEIVED BY: [illegible]
10/14/26 09:55
(757A) 2.9 - 0.2 = 2.7 CEK FROZEN

After printing this label
CONSIGNEE COPY - PLEASE PLACE IN FRONT OF POUCH
1 Fold the printed page along the horizontal line
2 Place label in shipping pouch and affix it to your shipment

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-241985-1
SDG Number: PFAS: Aiea Gulch Wells Pump 2

Login Number: 241985
List Number: 1
Creator: Abaya, Ashton

List Source: Eurofins Pomona

Question	Answer	Comment
The coolers custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
Samples were received on ice.	True	
Cooler(s) Temperature is acceptable.	True	
Cooler(s) Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and is 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	
ClO4 headspace requirement met (>50% for CA, >30% for other states).	True	
Samples do not require splitting or compositing.	True	
Container provided by EEA	True	