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ANALYTICAL REPORT

PREPARED FOR

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

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JOB DESCRIPTION

INTERA - Red-Hill-Incident
Kaonohi Wells II, Well #3 PFAS 533/537.1

JOB NUMBER

380-241165-1

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



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

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Definitions/Glossary

Client: City & County of Honolulu
Project/Site: INTERA - Red-Hill-Incident

Job ID: 380-241165-1
SDG: Kaonohi Wells II, Well #3 PFAS 533/537.1

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

Job ID: 380-241165-1 — Eurofins Pomona

Job Narrative
380-241165-1

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 10/9/2026 9:30 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 1.0°C.

PFAS
Method EPA 537.1 V2: The following QC issues in preparation batch 380-257871 and analytical batch 380-258855 were observed: IS 13C4 PFOA, 13C4 PFOS, and d3-NMeFOSAA recoveries in the LCS are outside acceptable method limits (high bias). The extracts were reanalyzed to confirm results. Field blank sample Kaonohi Wells II Well #3 FB (380-241165-2) has no volume available for re-extraction. Result not acceptable per method.
Method EPA 537.1 V2: The following QC issues in preparation batch 380-257871 and analytical batch 380-258855 were observed: IS 13C4 PFOA, 13C4 PFOS, and d3-NMeFOSAA recoveries in the LCS are outside acceptable method limits (high bias). The extracts were reanalyzed to confirm results. Sample Kaonohi Wells II Well #3 (380-241165-1) has no volume available for re-extraction. Result not acceptable per method. PFAS results by 537.1 for Kaonohi Wells II Well #3 (380-241165-1) collected on 10/08/26 are not acceptable for compliance reporting due to Internal standard recoveries outside of method limits. Results were excluded for PFAS 537.1, a follow up sample was collected on 10/20/26 under job # 380-243483-1. Analysis by PFAS 537.1 is currently in progress. (XWB4)

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: INTERA - Red-Hill-Incident

Job ID: 380-241165-1
SDG: Kaonohi Wells II, Well #3 PFAS 533/537.1

Client Sample ID: Kaonohi Wells II Well #3 — Lab Sample ID: 380-241165-1

No Detections.

Client Sample ID: Kaonohi Wells II Well #3 FB — Lab Sample ID: 380-241165-2

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: Kaonohi Wells II Well #3

Date Collected: 10/08/26 09:30
Date Received: 10/09/26 09:30

Lab Sample ID: 380-241165-1

Matrix: Water

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		10/12/26 08:31	10/14/26 13:02	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	<2.0		2.0		ng/L		10/12/26 08:31	10/14/26 13:02	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<2.0		2.0		ng/L		10/12/26 08:31	10/14/26 13:02	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	<2.0		2.0		ng/L		10/12/26 08:31	10/14/26 13:02	1
Perfluorobutanesulfonic acid (PFBS)	<2.0		2.0		ng/L		10/12/26 08:31	10/14/26 13:02	1
Perfluorodecanoic acid (PFDA)	<2.0		2.0		ng/L		10/12/26 08:31	10/14/26 13:02	1
Perfluorododecanoic acid (PFDoA)	<2.0		2.0		ng/L		10/12/26 08:31	10/14/26 13:02	1
Perfluoroheptanoic acid (PFHpA)	<2.0		2.0		ng/L		10/12/26 08:31	10/14/26 13:02	1
Perfluorohexanesulfonic acid (PFHxS)	<2.0		2.0		ng/L		10/12/26 08:31	10/14/26 13:02	1
Perfluorohexanoic acid (PFHxA)	<2.0		2.0		ng/L		10/12/26 08:31	10/14/26 13:02	1
Perfluorononanoic acid (PFNA)	<2.0		2.0		ng/L		10/12/26 08:31	10/14/26 13:02	1
Perfluorooctanesulfonic acid (PFOS)	<2.0		2.0		ng/L		10/12/26 08:31	10/14/26 13:02	1
Perfluorooctanoic acid (PFOA)	<2.0		2.0		ng/L		10/12/26 08:31	10/14/26 13:02	1
Perfluoroundecanoic acid (PFUnA)	<2.0		2.0		ng/L		10/12/26 08:31	10/14/26 13:02	1
Perfluorobutanoic acid (PFBA)	<2.0		2.0		ng/L		10/12/26 08:31	10/14/26 13:02	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	<2.0		2.0		ng/L		10/12/26 08:31	10/14/26 13:02	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	<2.0		2.0		ng/L		10/12/26 08:31	10/14/26 13:02	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	<2.0		2.0		ng/L		10/12/26 08:31	10/14/26 13:02	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	<2.0		2.0		ng/L		10/12/26 08:31	10/14/26 13:02	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	<2.0		2.0		ng/L		10/12/26 08:31	10/14/26 13:02	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	<2.0		2.0		ng/L		10/12/26 08:31	10/14/26 13:02	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	<2.0		2.0		ng/L		10/12/26 08:31	10/14/26 13:02	1
Perfluoropentanoic acid (PFPeA)	<2.0		2.0		ng/L		10/12/26 08:31	10/14/26 13:02	1
Perfluoroheptanesulfonic acid (PFHpS)	<2.0		2.0		ng/L		10/12/26 08:31	10/14/26 13:02	1
Perfluoropentanesulfonic acid (PFPeS)	<2.0		2.0		ng/L		10/12/26 08:31	10/14/26 13:02	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C3 HFPO-DA	*91*		*50 - 200*	*10/12/26 08:31*	*10/14/26 13:02*	*1*
13C6 PFDA	*108*		*50 - 200*	*10/12/26 08:31*	*10/14/26 13:02*	*1*
13C5 PFHxA	*101*		*50 - 200*	*10/12/26 08:31*	*10/14/26 13:02*	*1*
13C4 PFHpA	*101*		*50 - 200*	*10/12/26 08:31*	*10/14/26 13:02*	*1*
13C8 PFOA	*100*		*50 - 200*	*10/12/26 08:31*	*10/14/26 13:02*	*1*
13C9 PFNA	*100*		*50 - 200*	*10/12/26 08:31*	*10/14/26 13:02*	*1*
13C7 PFUnA	*101*		*50 - 200*	*10/12/26 08:31*	*10/14/26 13:02*	*1*
13C2 PFDoA	*101*		*50 - 200*	*10/12/26 08:31*	*10/14/26 13:02*	*1*
13C4 PFBA	*102*		*50 - 200*	*10/12/26 08:31*	*10/14/26 13:02*	*1*
13C5 PFPeA	*100*		*50 - 200*	*10/12/26 08:31*	*10/14/26 13:02*	*1*
13C3 PFBS	*105*		*50 - 200*	*10/12/26 08:31*	*10/14/26 13:02*	*1*
13C3 PFHxS	*104*		*50 - 200*	*10/12/26 08:31*	*10/14/26 13:02*	*1*
13C8 PFOS	*103*		*50 - 200*	*10/12/26 08:31*	*10/14/26 13:02*	*1*

Client Sample ID: Kaonohi Wells II Well #3
Lab Sample ID: 380-241165-1
Date Collected: 10/08/26 09:30
Matrix: Water
Date Received: 10/09/26 09:30

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2-4:2-FTS	113		50 - 200	10/12/26 08:31	10/14/26 13:02	1
13C2-6:2-FTS	109		50 - 200	10/12/26 08:31	10/14/26 13:02	1
13C2-8:2-FTS	112		50 - 200	10/12/26 08:31	10/14/26 13:02	1

Client Sample ID: Kaonohi Wells II Well #3 FB
Lab Sample ID: 380-241165-2
Date Collected: 10/08/26 09:30
Matrix: Water
Date Received: 10/09/26 09:30

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		10/12/26 08:31	10/14/26 13:11	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	<2.0		2.0		ng/L		10/12/26 08:31	10/14/26 13:11	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<2.0		2.0		ng/L		10/12/26 08:31	10/14/26 13:11	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	<2.0		2.0		ng/L		10/12/26 08:31	10/14/26 13:11	1
Perfluorobutanesulfonic acid (PFBS)	<2.0		2.0		ng/L		10/12/26 08:31	10/14/26 13:11	1
Perfluorodecanoic acid (PFDA)	<2.0		2.0		ng/L		10/12/26 08:31	10/14/26 13:11	1
Perfluorododecanoic acid (PFDoA)	<2.0		2.0		ng/L		10/12/26 08:31	10/14/26 13:11	1
Perfluoroheptanoic acid (PFHpA)	<2.0		2.0		ng/L		10/12/26 08:31	10/14/26 13:11	1
Perfluorohexanesulfonic acid (PFHxS)	<2.0		2.0		ng/L		10/12/26 08:31	10/14/26 13:11	1
Perfluorohexanoic acid (PFHxA)	<2.0		2.0		ng/L		10/12/26 08:31	10/14/26 13:11	1
Perfluorononanoic acid (PFNA)	<2.0		2.0		ng/L		10/12/26 08:31	10/14/26 13:11	1
Perfluorooctanesulfonic acid (PFOS)	<2.0		2.0		ng/L		10/12/26 08:31	10/14/26 13:11	1
Perfluorooctanoic acid (PFOA)	<2.0		2.0		ng/L		10/12/26 08:31	10/14/26 13:11	1
Perfluoroundecanoic acid (PFUnA)	<2.0		2.0		ng/L		10/12/26 08:31	10/14/26 13:11	1
Perfluorobutanoic acid (PFBA)	<2.0		2.0		ng/L		10/12/26 08:31	10/14/26 13:11	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	<2.0		2.0		ng/L		10/12/26 08:31	10/14/26 13:11	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	<2.0		2.0		ng/L		10/12/26 08:31	10/14/26 13:11	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	<2.0		2.0		ng/L		10/12/26 08:31	10/14/26 13:11	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	<2.0		2.0		ng/L		10/12/26 08:31	10/14/26 13:11	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	<2.0		2.0		ng/L		10/12/26 08:31	10/14/26 13:11	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	<2.0		2.0		ng/L		10/12/26 08:31	10/14/26 13:11	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	<2.0		2.0		ng/L		10/12/26 08:31	10/14/26 13:11	1
Perfluoropentanoic acid (PFPeA)	<2.0		2.0		ng/L		10/12/26 08:31	10/14/26 13:11	1
Perfluoroheptanesulfonic acid (PFHpS)	<2.0		2.0		ng/L		10/12/26 08:31	10/14/26 13:11	1
Perfluoropentanesulfonic acid (PFPeS)	<2.0		2.0		ng/L		10/12/26 08:31	10/14/26 13:11	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	90		50 - 200	10/12/26 08:31	10/14/26 13:11	1
13C6 PFDA	106		50 - 200	10/12/26 08:31	10/14/26 13:11	1
13C5 PFHxA	98		50 - 200	10/12/26 08:31	10/14/26 13:11	1
13C4 PFHpA	95		50 - 200	10/12/26 08:31	10/14/26 13:11	1

Client: City & County of Honolulu
Project/Site: INTERA - Red-Hill-Incident

Job ID: 380-241165-1
SDG: Kaonohi Wells II, Well #3 PFAS 533/537.1

Client Sample ID: Kaonohi Wells II Well #3 FB
Date Collected: 10/08/26 09:30
Date Received: 10/09/26 09:30

Lab Sample ID: 380-241165-2
Matrix: Water

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C8 PFOA	100		50 - 200	10/12/26 08:31	10/14/26 13:11	1
13C9 PFNA	99		50 - 200	10/12/26 08:31	10/14/26 13:11	1
13C7 PFUnA	102		50 - 200	10/12/26 08:31	10/14/26 13:11	1
13C2 PFDoA	104		50 - 200	10/12/26 08:31	10/14/26 13:11	1
13C4 PFBA	102		50 - 200	10/12/26 08:31	10/14/26 13:11	1
13C5 PFPeA	98		50 - 200	10/12/26 08:31	10/14/26 13:11	1
13C3 PFBS	109		50 - 200	10/12/26 08:31	10/14/26 13:11	1
13C3 PFHxS	101		50 - 200	10/12/26 08:31	10/14/26 13:11	1
13C8 PFOS	107		50 - 200	10/12/26 08:31	10/14/26 13:11	1
13C2-4:2-FTS	109		50 - 200	10/12/26 08:31	10/14/26 13:11	1
13C2-6:2-FTS	108		50 - 200	10/12/26 08:31	10/14/26 13:11	1
13C2-8:2-FTS	103		50 - 200	10/12/26 08:31	10/14/26 13:11	1

Action Limit Summary

Client: City & County of Honolulu
Project/Site: INTERA - Red-Hill-Incident

Job ID: 380-241165-1
SDG: Kaonohi Wells II, Well #3 PFAS 533/537.1

Client Sample ID: Kaonohi Wells II Well #3 — Lab Sample ID: 380-241165-1

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

Client Sample ID: Kaonohi Wells II Well #3 FB — Lab Sample ID: 380-241165-2

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

Surrogate Summary

Client: City & County of Honolulu
Project/Site: INTERA - Red-Hill-Incident

Job ID: 380-241165-1
SDG: Kaonohi Wells II, Well #3 PFAS 533/537.1

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)
380-241165-1	Kaonohi Wells II Well #3	91	95	94	93
380-241165-1 MS	Kaonohi Wells II Well #3	92	106	109	105
380-241165-1 MSD	Kaonohi Wells II Well #3	94	104	102	100
380-241165-2	Kaonohi Wells II Well #3 FB	98	101	98	90
LCS 380-257871/22-A	Lab Control Sample	97 *3	116 *3	109 *3	112 *3
MBL 380-257871/20-A	Method Blank	86	96	102	87
MRL 380-257871/21-A	Lab Control Sample	100	106	108	102

Surrogate Legend

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

Isotope Dilution Summary

Client: City & County of Honolulu
Project/Site: INTERA - Red-Hill-Incident

Job ID: 380-241165-1
SDG: Kaonohi Wells II, Well #3 PFAS 533/537.1

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)
380-241145-C-7-A MS	Matrix Spike	110	121	113	114	112	113	114	116
380-241145-D-7-A MSD	Matrix Spike Duplicate	108	115	110	109	109	107	111	109
380-241165-1	Kaonohi Wells II Well #3	91	108	101	101	100	100	101	101
380-241165-2	Kaonohi Wells II Well #3 FB	90	106	98	95	100	99	102	104
LCS 380-257868/22-A	Lab Control Sample	113	119	111	109	109	109	110	108
MBL 380-257868/20-A	Method Blank	110	120	111	113	112	115	114	112
MRL 380-257868/21-A	Lab Control Sample	101	115	108	106	110	109	107	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)
380-241145-C-7-A MS	Matrix Spike	113	118	110	112	108	166	143	131
380-241145-D-7-A MSD	Matrix Spike Duplicate	110	113	105	104	104	154	131	117
380-241165-1	Kaonohi Wells II Well #3	102	100	105	104	103	113	109	112
380-241165-2	Kaonohi Wells II Well #3 FB	102	98	109	101	107	109	108	103
LCS 380-257868/22-A	Lab Control Sample	110	110	106	105	105	105	107	110
MBL 380-257868/20-A	Method Blank	117	111	115	114	113	116	117	113
MRL 380-257868/21-A	Lab Control Sample	113	110	114	111	111	109	112	113

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

Lab Sample ID: MBL 380-257868/20-A
Matrix: Water
Analysis Batch: 258354

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 257868

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		10/12/26 08:31	10/14/26 09:52	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	<0.30		2.0		ng/L		10/12/26 08:31	10/14/26 09:52	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.59		2.0		ng/L		10/12/26 08:31	10/14/26 09:52	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	<0.99		2.0		ng/L		10/12/26 08:31	10/14/26 09:52	1
Perfluorobutanesulfonic acid (PFBS)	<0.36		2.0		ng/L		10/12/26 08:31	10/14/26 09:52	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0		ng/L		10/12/26 08:31	10/14/26 09:52	1
Perfluorododecanoic acid (PFDoA)	<0.53		2.0		ng/L		10/12/26 08:31	10/14/26 09:52	1
Perfluoroheptanoic acid (PFHpA)	<0.38		2.0		ng/L		10/12/26 08:31	10/14/26 09:52	1
Perfluorohexanesulfonic acid (PFHxS)	<0.32		2.0		ng/L		10/12/26 08:31	10/14/26 09:52	1
Perfluorohexanoic acid (PFHxA)	<0.45		2.0		ng/L		10/12/26 08:31	10/14/26 09:52	1
Perfluorononanoic acid (PFNA)	<0.39		2.0		ng/L		10/12/26 08:31	10/14/26 09:52	1
Perfluorooctanesulfonic acid (PFOS)	<0.42		2.0		ng/L		10/12/26 08:31	10/14/26 09:52	1
Perfluorooctanoic acid (PFOA)	<0.37		2.0		ng/L		10/12/26 08:31	10/14/26 09:52	1
Perfluoroundecanoic acid (PFUnA)	<0.41		2.0		ng/L		10/12/26 08:31	10/14/26 09:52	1
Perfluorobutanoic acid (PFBA)	<0.68		2.0		ng/L		10/12/26 08:31	10/14/26 09:52	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	<0.38		2.0		ng/L		10/12/26 08:31	10/14/26 09:52	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	<0.36		2.0		ng/L		10/12/26 08:31	10/14/26 09:52	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	<0.47		2.0		ng/L		10/12/26 08:31	10/14/26 09:52	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	<0.46		2.0		ng/L		10/12/26 08:31	10/14/26 09:52	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	<0.24		2.0		ng/L		10/12/26 08:31	10/14/26 09:52	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	<0.45		2.0		ng/L		10/12/26 08:31	10/14/26 09:52	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	<0.15		2.0		ng/L		10/12/26 08:31	10/14/26 09:52	1
Perfluoropentanoic acid (PFPeA)	<0.37		2.0		ng/L		10/12/26 08:31	10/14/26 09:52	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.35		2.0		ng/L		10/12/26 08:31	10/14/26 09:52	1
Perfluoropentanesulfonic acid (PFPeS)	<0.38		2.0		ng/L		10/12/26 08:31	10/14/26 09:52	1

Isotope Dilution	*MBL %Recovery*	*MBL Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C3 HFPO-DA	*110*		*50 - 200*	*10/12/26 08:31*	*10/14/26 09:52*	*1*
13C6 PFDA	*120*		*50 - 200*	*10/12/26 08:31*	*10/14/26 09:52*	*1*
13C5 PFHxA	*111*		*50 - 200*	*10/12/26 08:31*	*10/14/26 09:52*	*1*
13C4 PFHpA	*113*		*50 - 200*	*10/12/26 08:31*	*10/14/26 09:52*	*1*
13C8 PFOA	*112*		*50 - 200*	*10/12/26 08:31*	*10/14/26 09:52*	*1*
13C9 PFNA	*115*		*50 - 200*	*10/12/26 08:31*	*10/14/26 09:52*	*1*
13C7 PFUnA	*114*		*50 - 200*	*10/12/26 08:31*	*10/14/26 09:52*	*1*
13C2 PFDoA	*112*		*50 - 200*	*10/12/26 08:31*	*10/14/26 09:52*	*1*
13C4 PFBA	*117*		*50 - 200*	*10/12/26 08:31*	*10/14/26 09:52*	*1*
13C5 PFPeA	*111*		*50 - 200*	*10/12/26 08:31*	*10/14/26 09:52*	*1*
13C3 PFBS	*115*		*50 - 200*	*10/12/26 08:31*	*10/14/26 09:52*	*1*
13C3 PFHxS	*114*		*50 - 200*	*10/12/26 08:31*	*10/14/26 09:52*	*1*

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

Lab Sample ID: MBL 380-257868/20-A
Matrix: Water
Analysis Batch: 258354

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 257868

Isotope Dilution	MBL %Recovery	MBL Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C8 PFOS	113		50 - 200	10/12/26 08:31	10/14/26 09:52	1
13C2-4:2-FTS	116		50 - 200	10/12/26 08:31	10/14/26 09:52	1
13C2-6:2-FTS	117		50 - 200	10/12/26 08:31	10/14/26 09:52	1
13C2-8:2-FTS	113		50 - 200	10/12/26 08:31	10/14/26 09:52	1

Lab Sample ID: LCS 380-257868/22-A
Matrix: Water
Analysis Batch: 258354

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 257868

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

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

Lab Sample ID: LCS 380-257868/22-A
Matrix: Water
Analysis Batch: 258354

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 257868

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Perfluoropentanesulfonic acid (PFPeS)			118	117		ng/L		99	70 - 130		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C3 HFPO-DA	*113*		*50 - 200*
13C6 PFDA	*119*		*50 - 200*
13C5 PFHxA	*111*		*50 - 200*
13C4 PFHpA	*109*		*50 - 200*
13C8 PFOA	*109*		*50 - 200*
13C9 PFNA	*109*		*50 - 200*
13C7 PFUnA	*110*		*50 - 200*
13C2 PFDoA	*108*		*50 - 200*
13C4 PFBA	*110*		*50 - 200*
13C5 PFPeA	*110*		*50 - 200*
13C3 PFBS	*106*		*50 - 200*
13C3 PFHxS	*105*		*50 - 200*
13C8 PFOS	*105*		*50 - 200*
13C2-4:2-FTS	*105*		*50 - 200*
13C2-6:2-FTS	*107*		*50 - 200*
13C2-8:2-FTS	*110*		*50 - 200*

Lab Sample ID: MRL 380-257868/21-A
Matrix: Water
Analysis Batch: 258354

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 257868

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		111	50 - 150		
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)			1.97	2.02	J	ng/L		102	50 - 150		
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)			1.97	2.05	J	ng/L		104	50 - 150		
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)			1.97	2.00	J	ng/L		101	50 - 150		
Perfluorobutanesulfonic acid (PFBS)			1.97	1.69	J	ng/L		86	50 - 150		
Perfluorodecanoic acid (PFDA)			1.97	1.91	J	ng/L		97	50 - 150		
Perfluorododecanoic acid (PFDoA)			1.97	1.88	J	ng/L		95	50 - 150		
Perfluoroheptanoic acid (PFHpA)			1.97	1.92	J	ng/L		98	50 - 150		
Perfluorohexanesulfonic acid (PFHxS)			1.97	2.00	J	ng/L		102	50 - 150		
Perfluorohexanoic acid (PFHxA)			1.97	1.83	J	ng/L		93	50 - 150		
Perfluorononanoic acid (PFNA)			1.97	2.13	J	ng/L		108	50 - 150		
Perfluorooctanesulfonic acid (PFOS)			1.97	1.88	J	ng/L		95	50 - 150		
Perfluorooctanoic acid (PFOA)			1.97	1.97	J	ng/L		100	50 - 150		
Perfluoroundecanoic acid (PFUnA)			1.97	1.92	J	ng/L		97	50 - 150		
Perfluorobutanoic acid (PFBA)			1.97	1.91	J	ng/L		97	50 - 150		

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

Lab Sample ID: MRL 380-257868/21-A
Matrix: Water
Analysis Batch: 258354

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 257868

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	1.97	1.85	J	ng/L		94	50 - 150
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	1.97	2.20	J	ng/L		111	50 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	1.97	2.02	J	ng/L		103	50 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	1.97	1.94	J	ng/L		98	50 - 150
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	1.97	1.87	J	ng/L		95	50 - 150
Perfluoro-3-methoxypropanoic acid (PFMPA)	1.97	1.81	J	ng/L		92	50 - 150
Perfluoro-4-methoxybutanoic acid (PFMBA)	1.97	1.97	J	ng/L		100	50 - 150
Perfluoropentanoic acid (PFPeA)	1.97	2.13	J	ng/L		108	50 - 150
Perfluoroheptanesulfonic acid (PFHpS)	1.97	2.00	J	ng/L		101	50 - 150
Perfluoropentanesulfonic acid (PFPeS)	1.97	1.99	J	ng/L		101	50 - 150

Isotope Dilution	*MRL %Recovery*	*MRL Qualifier*	*Limits*
13C3 HFPO-DA	*101*		*50 - 200*
13C6 PFDA	*115*		*50 - 200*
13C5 PFHxA	*108*		*50 - 200*
13C4 PFHpA	*106*		*50 - 200*
13C8 PFOA	*110*		*50 - 200*
13C9 PFNA	*109*		*50 - 200*
13C7 PFUnA	*107*		*50 - 200*
13C2 PFDoA	*109*		*50 - 200*
13C4 PFBA	*113*		*50 - 200*
13C5 PFPeA	*110*		*50 - 200*
13C3 PFBS	*114*		*50 - 200*
13C3 PFHxS	*111*		*50 - 200*
13C8 PFOS	*111*		*50 - 200*
13C2-4:2-FTS	*109*		*50 - 200*
13C2-6:2-FTS	*112*		*50 - 200*
13C2-8:2-FTS	*113*		*50 - 200*

Lab Sample ID: 380-241145-C-7-A MS
Matrix: Water
Analysis Batch: 258354

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 257868

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		119	111		ng/L		93	70 - 130
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	<2.0		119	114		ng/L		96	70 - 130
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<2.0		119	105		ng/L		89	70 - 130

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

Lab Sample ID: 380-241145-C-7-A MS
Matrix: Water
Analysis Batch: 258354

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 257868

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		119	110		ng/L		93	70 - 130
Perfluorobutanesulfonic acid (PFBS)	<2.0		119	108		ng/L		91	70 - 130
Perfluorodecanoic acid (PFDA)	<2.0		119	103		ng/L		86	70 - 130
Perfluorododecanoic acid (PFDoA)	<2.0		119	108		ng/L		91	70 - 130
Perfluoroheptanoic acid (PFHpA)	<2.0		119	108		ng/L		91	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	<2.0		119	113		ng/L		94	70 - 130
Perfluorohexanoic acid (PFHxA)	<2.0		119	116		ng/L		98	70 - 130
Perfluorononanoic acid (PFNA)	<2.0		119	109		ng/L		91	70 - 130
Perfluorooctanesulfonic acid (PFOS)	<2.0		119	113		ng/L		94	70 - 130
Perfluorooctanoic acid (PFOA)	<2.0		119	112		ng/L		94	70 - 130
Perfluoroundecanoic acid (PFUnA)	<2.0		119	111		ng/L		93	70 - 130
Perfluorobutanoic acid (PFBA)	<2.0		119	105		ng/L		88	70 - 130
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	<2.0		119	107		ng/L		90	70 - 130
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	<2.0		119	110		ng/L		93	70 - 130
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	<2.0		119	113		ng/L		95	70 - 130
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	<2.0		119	111		ng/L		93	70 - 130
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	<2.0		119	104		ng/L		88	70 - 130
Perfluoro-3-methoxypropanoic acid (PFMPA)	<2.0		119	101		ng/L		85	70 - 130
Perfluoro-4-methoxybutanoic acid (PFMBA)	<2.0		119	113		ng/L		96	70 - 130
Perfluoropentanoic acid (PFPeA)	<2.0		119	109		ng/L		92	70 - 130
Perfluoroheptanesulfonic acid (PFHpS)	<2.0		119	115		ng/L		97	70 - 130
Perfluoropentanesulfonic acid (PFPeS)	<2.0		119	113		ng/L		96	70 - 130

Isotope Dilution	*MS %Recovery*	*MS Qualifier*	*Limits*
13C3 HFPO-DA	*110*		*50 - 200*
13C6 PFDA	*121*		*50 - 200*
13C5 PFHxA	*113*		*50 - 200*
13C4 PFHpA	*114*		*50 - 200*
13C8 PFOA	*112*		*50 - 200*
13C9 PFNA	*113*		*50 - 200*
13C7 PFUnA	*114*		*50 - 200*
13C2 PFDoA	*116*		*50 - 200*
13C4 PFBA	*113*		*50 - 200*
13C5 PFPeA	*118*		*50 - 200*
13C3 PFBS	*110*		*50 - 200*
13C3 PFHxS	*112*		*50 - 200*
13C8 PFOS	*108*		*50 - 200*

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

Lab Sample ID: 380-241145-C-7-A MS
Matrix: Water
Analysis Batch: 258354

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 257868

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C2-4:2-FTS	166		50 - 200
13C2-6:2-FTS	143		50 - 200
13C2-8:2-FTS	131		50 - 200

Lab Sample ID: 380-241145-D-7-A MSD
Matrix: Water
Analysis Batch: 258354

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 257868

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	115		ng/L		98	70 - 130	4	30
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	<2.0		118	114		ng/L		96	70 - 130	0	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<2.0		118	102		ng/L		86	70 - 130	3	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	<2.0		118	113		ng/L		96	70 - 130	3	30
Perfluorobutanesulfonic acid (PFBS)	<2.0		118	111		ng/L		93	70 - 130	2	30
Perfluorodecanoic acid (PFDA)	<2.0		118	107		ng/L		91	70 - 130	5	30
Perfluorododecanoic acid (PFDoA)	<2.0		118	111		ng/L		93	70 - 130	2	30
Perfluoroheptanoic acid (PFHpA)	<2.0		118	112		ng/L		95	70 - 130	3	30
Perfluorohexanesulfonic acid (PFHxS)	<2.0		118	114		ng/L		95	70 - 130	1	30
Perfluorohexanoic acid (PFHxA)	<2.0		118	115		ng/L		97	70 - 130	1	30
Perfluorononanoic acid (PFNA)	<2.0		118	117		ng/L		99	70 - 130	8	30
Perfluorooctanesulfonic acid (PFOS)	<2.0		118	117		ng/L		98	70 - 130	4	30
Perfluorooctanoic acid (PFOA)	<2.0		118	114		ng/L		96	70 - 130	2	30
Perfluoroundecanoic acid (PFUnA)	<2.0		118	115		ng/L		97	70 - 130	4	30
Perfluorobutanoic acid (PFBA)	<2.0		118	115		ng/L		97	70 - 130	9	30
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	<2.0		118	111		ng/L		94	70 - 130	4	30
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	<2.0		118	115		ng/L		98	70 - 130	4	30
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	<2.0		118	112		ng/L		95	70 - 130	1	30
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	<2.0		118	112		ng/L		95	70 - 130	1	30
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	<2.0		118	112		ng/L		95	70 - 130	8	30
Perfluoro-3-methoxypropanoic acid (PFMPA)	<2.0		118	110		ng/L		93	70 - 130	9	30
Perfluoro-4-methoxybutanoic acid (PFMBA)	<2.0		118	121		ng/L		102	70 - 130	6	30
Perfluoropentanoic acid (PFPeA)	<2.0		118	114		ng/L		96	70 - 130	4	30
Perfluoroheptanesulfonic acid (PFHpS)	<2.0		118	116		ng/L		98	70 - 130	1	30
Perfluoropentanesulfonic acid (PFPeS)	<2.0		118	118		ng/L		100	70 - 130	4	30

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

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C3 HFPO-DA	108		50 - 200
13C6 PFDA	115		50 - 200
13C5 PFHxA	110		50 - 200
13C4 PFHpA	109		50 - 200
13C8 PFOA	109		50 - 200
13C9 PFNA	107		50 - 200
13C7 PFUnA	111		50 - 200
13C2 PFDoA	109		50 - 200
13C4 PFBA	110		50 - 200
13C5 PFPeA	113		50 - 200
13C3 PFBS	105		50 - 200
13C3 PFHxS	104		50 - 200
13C8 PFOS	104		50 - 200
13C2-4:2-FTS	154		50 - 200
13C2-6:2-FTS	131		50 - 200
13C2-8:2-FTS	117		50 - 200

QC Association Summary

Client: City & County of Honolulu
Project/Site: INTERA - Red-Hill-Incident

Job ID: 380-241165-1
SDG: Kaonohi Wells II, Well #3 PFAS 533/537.1

LCMS

Prep Batch: 257868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-241165-1	Kaonohi Wells II Well #3	Total/NA	Water	533	
380-241165-2	Kaonohi Wells II Well #3 FB	Total/NA	Water	533	
MBL 380-257868/20-A	Method Blank	Total/NA	Water	533	
LCS 380-257868/22-A	Lab Control Sample	Total/NA	Water	533	
MRL 380-257868/21-A	Lab Control Sample	Total/NA	Water	533	
380-241145-C-7-A MS	Matrix Spike	Total/NA	Water	533	
380-241145-D-7-A MSD	Matrix Spike Duplicate	Total/NA	Water	533	

Analysis Batch: 258354

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-241165-1	Kaonohi Wells II Well #3	Total/NA	Water	533	257868
380-241165-2	Kaonohi Wells II Well #3 FB	Total/NA	Water	533	257868
MBL 380-257868/20-A	Method Blank	Total/NA	Water	533	257868
LCS 380-257868/22-A	Lab Control Sample	Total/NA	Water	533	257868
MRL 380-257868/21-A	Lab Control Sample	Total/NA	Water	533	257868
380-241145-C-7-A MS	Matrix Spike	Total/NA	Water	533	257868
380-241145-D-7-A MSD	Matrix Spike Duplicate	Total/NA	Water	533	257868

Lab Chronicle

Client: City & County of Honolulu
Project/Site: INTERA - Red-Hill-Incident

Job ID: 380-241165-1
SDG: Kaonohi Wells II, Well #3 PFAS 533/537.1

Client Sample ID: Kaonohi Wells II Well #3

Lab Sample ID: 380-241165-1

Date Collected: 10/08/26 09:30
Matrix: Water
Date Received: 10/09/26 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			257868	XTD8	EA POM	10/12/26 08:31
Total/NA	Analysis	533		1	258354	M7ML	EA POM	10/14/26 13:02

Client Sample ID: Kaonohi Wells II Well #3 FB

Lab Sample ID: 380-241165-2

Date Collected: 10/08/26 09:30
Matrix: Water
Date Received: 10/09/26 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			257868	XTD8	EA POM	10/12/26 08:31
Total/NA	Analysis	533		1	258354	M7ML	EA POM	10/14/26 13:11

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
Job ID: 380-241165-1
Project/Site: INTERA - Red-Hill-Incident
SDG: Kaonohi Wells II, Well #3 PFAS 533/537.1

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: INTERA - Red-Hill-Incident

Job ID: 380-241165-1
SDG: Kaonohi Wells II, Well #3 PFAS 533/537.1

Method	Method Description	Protocol	Laboratory
533	Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water	EPA	EA POM
533	Extraction of Perfluorinated and Polyfluorinated 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: INTERA - Red-Hill-Incident

Job ID: 380-241165-1
SDG: Kaonohi Wells II, Well #3 PFAS 533/537.1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
380-241165-1	Kaonohi Wells II Well #3	Water	10/08/26 09:30	10/09/26 09:30	Hawaii
380-241165-2	Kaonohi Wells II Well #3 FB	Water	10/08/26 09:30	10/09/26 09:30	Hawaii

Eurofins Pomona
941 Corporate Center Drive
Pomona, CA 91768-2642
Phone (626) 386-1100

Chain of Custody Record

eurofins | Environment

380-241165 COC

Client Information	Sampler: H. Bentley (808) 321-0683	Lab PM: Lopez, Maria	Carrier Tracking No(s):	COC No:
Client Contact: Mr. Erwin Kawata	Phone: 858-205-0730	E-Mail: Maria.Lopez@et.eurofinsus.com	State of Origin: Hawaii	Page: Page 1 of 1
Company: City & County of Honolulu	PWSID:			Job #:
Address: 630 South Beretania Street	Due Date Requested:			
City: Honolulu	TAT Requested (days): Standard			
State, Zip: HI, 96843	Compliance Project: Δ Yes X No			
Phone: 808-748-5066	PO #:			
Email: ekawata@hbws.org	WO #:			
Project Name: INTERA - Red-Hill-Incident	Project #: 38000861			
Site: Ka'onohi	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL
N - None
I - AMMONIUM ACETATE
Y - TRIZMA
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, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	533 - All Analytes	537.1_DW_PREC - 537.1 Full List											Total Number of containers	Special Instructions/Note:
			Preservation Code:				I	Y												
Kaonohi Wells II Well #3	10/8/26	9:30	G	Water	N	N	3	3											6	
Kaonohi Wells II Well #3 FB	"	"	G	Water	N	N	1	1											2	FIELD REAGANT BLANK

Possible Hazard Identification
☐ X 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: 543103028321			
Relinquished by:	Date/Time: 10/8/26 14:00	Company: INTERA, INC	Received by: 4401	Date/Time: 10/9/26 9:30	Company: FedEx	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	
Relinquished by:	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: 6.3 A/0 & +0.2 = 6.5 IR 1.0

Ver: 05/06/2024

10/30/2026

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-241165-1
SDG Number: Kaonohi Wells II, Well #3 PFAS 533/537.1

Login Number: 241165
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	