

ANALYTICAL REPORT

PREPARED FOR

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JOB DESCRIPTION

INTERA - Red-Hill-Incident
Site H1 PFAS 1633

JOB NUMBER

380-195020-1

Eurofins Pomona

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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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
Isotope Dilution Summary	10
QC Sample Results	11
QC Association Summary	19
Lab Chronicle	20
Certification Summary	21
Method Summary	22
Sample Summary	23
Chain of Custody	24
Field Data Sheets	27
Receipt Checklists	28



Definitions/Glossary

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

Job ID: 380-195020-1
SDG: Site H1 PFAS 1633

Glossary

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

Case Narrative

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

Job ID: 380-195020-1

Job ID: 380-195020-1

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Job Narrative 380-195020-1

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 sample was received on 1/29/2026 10:10 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.3°C.

PFAS

Method QSM B-24: If aqueous samples were extracted beyond 7 days from collection, NMeFOSE, NEtFOSE, NMeFOSAA, and NEtFOSAA may be affected. If soil or tissue samples were extracted beyond 3 days from collection, NFDHA may be affected. If sample extracts, regardless of matrix, were analyzed beyond 28 days from extraction, 9Cl-PF3ONS and 11Cl-PF3OUdS may be affected. Per DoD Environmental Data Quality Workgroup Memorandum dated March 27, 2025, none of these analytes have associated regulatory limits or toxicity factors, thus any additional uncertainty associated with a holding time exceedance for these analytes will not affect current decision making and the DoD is willing to accept any additional uncertainty.

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

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Detection Summary

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

Job ID: 380-195020-1
SDG: Site H1 PFAS 1633

Client Sample ID: BWS2253-H1-AQ

Lab Sample ID: 380-195020-1

No Detections.

This Detection Summary does not include radiochemical test results.

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Client Sample Results

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

Job ID: 380-195020-1
SDG: Site H1 PFAS 1633

Client Sample ID: BWS2253-H1-AQ

Lab Sample ID: 380-195020-1

Date Collected: 01/28/26 09:30

Matrix: Water

Date Received: 01/29/26 10:10

Method: DoD 6.0 QSM B-24 - PFAS for QSM 6.0, Table B-24

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.9		2.9	ng/L		02/05/26 20:35	02/07/26 03:29	1
Perfluoropentanoic acid (PFPeA)	<1.5		1.5	ng/L		02/05/26 20:35	02/07/26 03:29	1
Perfluorohexanoic acid (PFHxA)	<1.5		1.5	ng/L		02/05/26 20:35	02/07/26 03:29	1
Perfluoroheptanoic acid (PFHpA)	<1.5		1.5	ng/L		02/05/26 20:35	02/07/26 03:29	1
Perfluorooctanoic acid (PFOA)	<1.5		1.5	ng/L		02/05/26 20:35	02/07/26 03:29	1
Perfluorononanoic acid (PFNA)	<1.5		1.5	ng/L		02/05/26 20:35	02/07/26 03:29	1
Perfluorodecanoic acid (PFDA)	<1.5		1.5	ng/L		02/05/26 20:35	02/07/26 03:29	1
Perfluoroundecanoic acid (PFUnA)	<1.5		1.5	ng/L		02/05/26 20:35	02/07/26 03:29	1
Perfluorododecanoic acid (PFDoA)	<1.5		1.5	ng/L		02/05/26 20:35	02/07/26 03:29	1
Perfluorotridecanoic acid (PFTriDA)	<1.5		1.5	ng/L		02/05/26 20:35	02/07/26 03:29	1
Perfluorotetradecanoic acid (PFTeDA)	<1.5		1.5	ng/L		02/05/26 20:35	02/07/26 03:29	1
Perfluorobutanesulfonic acid (PFBS)	<1.5		1.5	ng/L		02/05/26 20:35	02/07/26 03:29	1
Perfluoropentanesulfonic acid (PFPeS)	<1.5		1.5	ng/L		02/05/26 20:35	02/07/26 03:29	1
Perfluorohexanesulfonic acid (PFHxS)	<1.5		1.5	ng/L		02/05/26 20:35	02/07/26 03:29	1
Perfluoroheptanesulfonic acid (PFHpS)	<1.5		1.5	ng/L		02/05/26 20:35	02/07/26 03:29	1
Perfluorooctanesulfonic acid (PFOS)	<1.5		1.5	ng/L		02/05/26 20:35	02/07/26 03:29	1
Perfluorononanesulfonic acid (PFNS)	<1.5		1.5	ng/L		02/05/26 20:35	02/07/26 03:29	1
Perfluorodecanesulfonic acid (PFDS)	<1.5		1.5	ng/L		02/05/26 20:35	02/07/26 03:29	1
Perfluorododecanesulfonic acid (PFDoS)	<1.5		1.5	ng/L		02/05/26 20:35	02/07/26 03:29	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	<2.9		2.9	ng/L		02/05/26 20:35	02/07/26 03:29	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	<2.9		2.9	ng/L		02/05/26 20:35	02/07/26 03:29	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	<2.9		2.9	ng/L		02/05/26 20:35	02/07/26 03:29	1
Perfluorooctanesulfonamide (PFOSA)	<1.5		1.5	ng/L		02/05/26 20:35	02/07/26 03:29	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	<1.5		1.5	ng/L		02/05/26 20:35	02/07/26 03:29	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	<1.5		1.5	ng/L		02/05/26 20:35	02/07/26 03:29	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.5		1.5	ng/L		02/05/26 20:35	02/07/26 03:29	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.5		1.5	ng/L		02/05/26 20:35	02/07/26 03:29	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	<7.3		7.3	ng/L		02/05/26 20:35	02/07/26 03:29	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	<7.3		7.3	ng/L		02/05/26 20:35	02/07/26 03:29	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<1.1		1.1	ng/L		02/05/26 20:35	02/07/26 03:29	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<1.5		1.5	ng/L		02/05/26 20:35	02/07/26 03:29	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	<1.5		1.5	ng/L		02/05/26 20:35	02/07/26 03:29	1
Nonfluoro-3,6-dioxaheptanoic acid (NFDHA)	<1.5		1.5	ng/L		02/05/26 20:35	02/07/26 03:29	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	<1.5		1.5	ng/L		02/05/26 20:35	02/07/26 03:29	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	<1.5		1.5	ng/L		02/05/26 20:35	02/07/26 03:29	1

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Client Sample Results

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

Job ID: 380-195020-1
SDG: Site H1 PFAS 1633

Client Sample ID: BWS2253-H1-AQ

Lab Sample ID: 380-195020-1

Date Collected: 01/28/26 09:30

Matrix: Water

Date Received: 01/29/26 10:10

Method: DoD 6.0 QSM B-24 - PFAS for QSM 6.0, Table B-24 (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid	<1.5		1.5	ng/L		02/05/26 20:35	02/07/26 03:29	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEA)	<1.5		1.5	ng/L		02/05/26 20:35	02/07/26 03:29	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	<2.9		2.9	ng/L		02/05/26 20:35	02/07/26 03:29	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	<7.3		7.3	ng/L		02/05/26 20:35	02/07/26 03:29	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	<7.3		7.3	ng/L		02/05/26 20:35	02/07/26 03:29	1
Isotope Dilution	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
13C4 PFBA	82.9		5 - 130			02/05/26 20:35	02/07/26 03:29	1
13C5 PFPeA	95.5		40 - 130			02/05/26 20:35	02/07/26 03:29	1
13C5 PFHxA	96.3		40 - 130			02/05/26 20:35	02/07/26 03:29	1
13C4 PFHpA	81.0		40 - 130			02/05/26 20:35	02/07/26 03:29	1
13C8 PFOA	95.0		40 - 130			02/05/26 20:35	02/07/26 03:29	1
13C9 PFNA	98.8		40 - 130			02/05/26 20:35	02/07/26 03:29	1
13C6 PFDA	87.2		40 - 130			02/05/26 20:35	02/07/26 03:29	1
13C7 PFUnA	77.1		30 - 130			02/05/26 20:35	02/07/26 03:29	1
13C2 PFDoA	66.0		10 - 130			02/05/26 20:35	02/07/26 03:29	1
13C2 PFTeDA	56.1		10 - 130			02/05/26 20:35	02/07/26 03:29	1
13C3 PFBS	95.8		40 - 135			02/05/26 20:35	02/07/26 03:29	1
13C3 PFHxS	95.0		40 - 130			02/05/26 20:35	02/07/26 03:29	1
13C8 PFOS	99.5		40 - 130			02/05/26 20:35	02/07/26 03:29	1
13C8 PFOSA	92.1		40 - 130			02/05/26 20:35	02/07/26 03:29	1
d3-NMeFOSAA	69.1		40 - 170			02/05/26 20:35	02/07/26 03:29	1
d5-NEtFOSAA	76.2		25 - 135			02/05/26 20:35	02/07/26 03:29	1
13C2 4:2 FTS	98.6		40 - 200			02/05/26 20:35	02/07/26 03:29	1
13C2 6:2 FTS	97.3		40 - 200			02/05/26 20:35	02/07/26 03:29	1
13C2 8:2 FTS	90.7		40 - 300			02/05/26 20:35	02/07/26 03:29	1
13C3 HFPO-DA	84.0		40 - 130			02/05/26 20:35	02/07/26 03:29	1
d7-N-MeFOSE-M	71.0		10 - 130			02/05/26 20:35	02/07/26 03:29	1
d9-N-EtFOSE-M	76.4		10 - 130			02/05/26 20:35	02/07/26 03:29	1
d5-NEtPFOSA	69.7		10 - 130			02/05/26 20:35	02/07/26 03:29	1
d3-NMePFOSA	67.0		10 - 130			02/05/26 20:35	02/07/26 03:29	1

Action Limit Summary

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

Job ID: 380-195020-1
SDG: Site H1 PFAS 1633

Client Sample ID: BWS2253-H1-AQ

Lab Sample ID: 380-195020-1

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	RL	Method	Prep Type
				Limit			
Perfluorooctanoic acid (PFOA)	<1.5		ng/L	4	1.5	QSM B-24	Total/NA
Perfluorononanoic acid (PFNA)	<1.5		ng/L	10	1.5	QSM B-24	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	<1.5		ng/L	10	1.5	QSM B-24	Total/NA
Perfluorooctanesulfonic acid (PFOS)	<1.5		ng/L	4	1.5	QSM B-24	Total/NA
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<1.1		ng/L	10	1.1	QSM B-24	Total/NA

Isotope Dilution Summary

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

Job ID: 380-195020-1
SDG: Site H1 PFAS 1633

Method: QSM B-24 - PFAS for QSM 6.0, Table B-24

Matrix: Water

Prep Type: Total/NA

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PFBA (5-130)	PFPeA (40-130)	13C5PHA (40-130)	C4PFHA (40-130)	C8PFOA (40-130)	C9PFNA (40-130)	C6PFDA (40-130)	13C7PUA (30-130)
380-195020-1	BWS2253-H1-AQ	82.9	95.5	96.3	81.0	95.0	98.8	87.2	77.1
LCS 320-900523/3-A	Lab Control Sample	91.0	97.1	102	90.9	103	102	96.8	100
LCSD 320-900523/4-A	Lab Control Sample Dup	89.9	104	97.7	84.1	97.1	114	101	110
LLCS 320-900523/2-A	Lab Control Sample	88.8	106	97.3	99.2	103	107	93.7	101
MB 320-900523/1-A	Method Blank	85.5	107	96.0	90.4	98.6	99.2	89.1	86.6

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PFDaA (10-130)	PFTDA (10-130)	C3PFBS (40-135)	C3PFHS (40-130)	C8PFOS (40-130)	PFOSA (40-130)	d3NMFOS (40-170)	d5NEFOS (25-135)
380-195020-1	BWS2253-H1-AQ	66.0	56.1	95.8	95.0	99.5	92.1	69.1	76.2
LCS 320-900523/3-A	Lab Control Sample	96.9	83.0	112	104	96.9	87.7	77.2	90.8
LCSD 320-900523/4-A	Lab Control Sample Dup	98.3	71.2	104	102	103	86.8	77.4	84.3
LLCS 320-900523/2-A	Lab Control Sample	88.0	74.9	103	98.9	99.4	86.6	71.9	82.9
MB 320-900523/1-A	Method Blank	63.5	55.7	99.0	93.9	92.5	74.4	65.5	72.1

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	M242FTS (40-200)	M262FTS (40-200)	M282FTS (40-300)	HFPODA (40-130)	NMFM (10-130)	NEFM (10-130)	d5NPFSA (10-130)	d3NMFSA (10-130)
380-195020-1	BWS2253-H1-AQ	98.6	97.3	90.7	84.0	71.0	76.4	69.7	67.0
LCS 320-900523/3-A	Lab Control Sample	114	115	103	93.4	91.1	99.4	81.5	80.6
LCSD 320-900523/4-A	Lab Control Sample Dup	108	98.5	108	91.0	82.8	90.2	75.6	77.0
LLCS 320-900523/2-A	Lab Control Sample	103	94.9	109	99.9	85.7	93.5	81.6	83.3
MB 320-900523/1-A	Method Blank	113	108	88.6	90.6	67.3	70.6	69.5	71.8

Surrogate Legend

PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
13C5PHA = 13C5 PFHxA
C4PFHA = 13C4 PFHpA
C8PFOA = 13C8 PFOA
C9PFNA = 13C9 PFNA
C6PFDA = 13C6 PFDA
13C7PUA = 13C7 PFUnA
PFDaA = 13C2 PFDaA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
C3PFHS = 13C3 PFHxS
C8PFOS = 13C8 PFOS
PFOSA = 13C8 PFOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M242FTS = 13C2 4:2 FTS
M262FTS = 13C2 6:2 FTS
M282FTS = 13C2 8:2 FTS
HFPODA = 13C3 HFPO-DA
NMFM = d7-N-MeFOSE-M
NEFM = d9-N-EtFOSE-M
d5NPFSA = d5-NEtPFOSA
d3NMFSA = d3-NMePFOSA

QC Sample Results

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

Job ID: 380-195020-1
SDG: Site H1 PFAS 1633

Method: QSM B-24 - PFAS for QSM 6.0, Table B-24

Lab Sample ID: MB 320-900523/1-A

Matrix: Water

Analysis Batch: 900740

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 900523

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<4.0		4.0	ng/L		02/05/26 20:35	02/06/26 22:33	1
Perfluoropentanoic acid (PFPeA)	<2.0		2.0	ng/L		02/05/26 20:35	02/06/26 22:33	1
Perfluorohexanoic acid (PFHxA)	<2.0		2.0	ng/L		02/05/26 20:35	02/06/26 22:33	1
Perfluoroheptanoic acid (PFHpA)	<2.0		2.0	ng/L		02/05/26 20:35	02/06/26 22:33	1
Perfluorooctanoic acid (PFOA)	<2.0		2.0	ng/L		02/05/26 20:35	02/06/26 22:33	1
Perfluorononanoic acid (PFNA)	<2.0		2.0	ng/L		02/05/26 20:35	02/06/26 22:33	1
Perfluorodecanoic acid (PFDA)	<2.0		2.0	ng/L		02/05/26 20:35	02/06/26 22:33	1
Perfluoroundecanoic acid (PFUnA)	<2.0		2.0	ng/L		02/05/26 20:35	02/06/26 22:33	1
Perfluorododecanoic acid (PFDoA)	<2.0		2.0	ng/L		02/05/26 20:35	02/06/26 22:33	1
Perfluorotridecanoic acid (PFTriDA)	<2.0		2.0	ng/L		02/05/26 20:35	02/06/26 22:33	1
Perfluorotetradecanoic acid (PFTeDA)	<2.0		2.0	ng/L		02/05/26 20:35	02/06/26 22:33	1
Perfluorobutanesulfonic acid (PFBS)	<2.0		2.0	ng/L		02/05/26 20:35	02/06/26 22:33	1
Perfluoropentanesulfonic acid (PFPeS)	<2.0		2.0	ng/L		02/05/26 20:35	02/06/26 22:33	1
Perfluorohexanesulfonic acid (PFHxS)	<2.0		2.0	ng/L		02/05/26 20:35	02/06/26 22:33	1
Perfluoroheptanesulfonic acid (PFHpS)	<2.0		2.0	ng/L		02/05/26 20:35	02/06/26 22:33	1
Perfluorooctanesulfonic acid (PFOS)	<2.0		2.0	ng/L		02/05/26 20:35	02/06/26 22:33	1
Perfluorononanesulfonic acid (PFNS)	<2.0		2.0	ng/L		02/05/26 20:35	02/06/26 22:33	1
Perfluorodecanesulfonic acid (PFDS)	<2.0		2.0	ng/L		02/05/26 20:35	02/06/26 22:33	1
Perfluorododecanesulfonic acid (PFDoS)	<2.0		2.0	ng/L		02/05/26 20:35	02/06/26 22:33	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	<4.0		4.0	ng/L		02/05/26 20:35	02/06/26 22:33	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	<4.0		4.0	ng/L		02/05/26 20:35	02/06/26 22:33	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	<4.0		4.0	ng/L		02/05/26 20:35	02/06/26 22:33	1
Perfluorooctanesulfonamide (PFOSA)	<2.0		2.0	ng/L		02/05/26 20:35	02/06/26 22:33	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	<2.0		2.0	ng/L		02/05/26 20:35	02/06/26 22:33	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	<2.0		2.0	ng/L		02/05/26 20:35	02/06/26 22:33	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<2.0		2.0	ng/L		02/05/26 20:35	02/06/26 22:33	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<2.0		2.0	ng/L		02/05/26 20:35	02/06/26 22:33	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	<10		10	ng/L		02/05/26 20:35	02/06/26 22:33	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	<10		10	ng/L		02/05/26 20:35	02/06/26 22:33	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<1.5		1.5	ng/L		02/05/26 20:35	02/06/26 22:33	1
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	<2.0		2.0	ng/L		02/05/26 20:35	02/06/26 22:33	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	<2.0		2.0	ng/L		02/05/26 20:35	02/06/26 22:33	1
Nonfluoro-3,6-dioxahexanoic acid (NFDHA)	<2.0		2.0	ng/L		02/05/26 20:35	02/06/26 22:33	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	<2.0		2.0	ng/L		02/05/26 20:35	02/06/26 22:33	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	<2.0		2.0	ng/L		02/05/26 20:35	02/06/26 22:33	1

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QC Sample Results

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

Job ID: 380-195020-1
SDG: Site H1 PFAS 1633

Method: QSM B-24 - PFAS for QSM 6.0, Table B-24 (Continued)

Lab Sample ID: MB 320-900523/1-A

Matrix: Water

Analysis Batch: 900740

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 900523

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecan e-1-sulfonic acid	<2.0		2.0	ng/L		02/05/26 20:35	02/06/26 22:33	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	<2.0		2.0	ng/L		02/05/26 20:35	02/06/26 22:33	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	<4.0		4.0	ng/L		02/05/26 20:35	02/06/26 22:33	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	<10		10	ng/L		02/05/26 20:35	02/06/26 22:33	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	<10		10	ng/L		02/05/26 20:35	02/06/26 22:33	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	85.5		5 - 130	02/05/26 20:35	02/06/26 22:33	1
13C5 PFPeA	107		40 - 130	02/05/26 20:35	02/06/26 22:33	1
13C5 PFHxA	96.0		40 - 130	02/05/26 20:35	02/06/26 22:33	1
13C4 PFHpA	90.4		40 - 130	02/05/26 20:35	02/06/26 22:33	1
13C8 PFOA	98.6		40 - 130	02/05/26 20:35	02/06/26 22:33	1
13C9 PFNA	99.2		40 - 130	02/05/26 20:35	02/06/26 22:33	1
13C6 PFDA	89.1		40 - 130	02/05/26 20:35	02/06/26 22:33	1
13C7 PFUnA	86.6		30 - 130	02/05/26 20:35	02/06/26 22:33	1
13C2 PFDoA	63.5		10 - 130	02/05/26 20:35	02/06/26 22:33	1
13C2 PFTeDA	55.7		10 - 130	02/05/26 20:35	02/06/26 22:33	1
13C3 PFBS	99.0		40 - 135	02/05/26 20:35	02/06/26 22:33	1
13C3 PFHxS	93.9		40 - 130	02/05/26 20:35	02/06/26 22:33	1
13C8 PFOS	92.5		40 - 130	02/05/26 20:35	02/06/26 22:33	1
13C8 PFOSA	74.4		40 - 130	02/05/26 20:35	02/06/26 22:33	1
d3-NMeFOSAA	65.5		40 - 170	02/05/26 20:35	02/06/26 22:33	1
d5-NEtFOSAA	72.1		25 - 135	02/05/26 20:35	02/06/26 22:33	1
13C2 4:2 FTS	113		40 - 200	02/05/26 20:35	02/06/26 22:33	1
13C2 6:2 FTS	108		40 - 200	02/05/26 20:35	02/06/26 22:33	1
13C2 8:2 FTS	88.6		40 - 300	02/05/26 20:35	02/06/26 22:33	1
13C3 HFPO-DA	90.6		40 - 130	02/05/26 20:35	02/06/26 22:33	1
d7-N-MeFOSE-M	67.3		10 - 130	02/05/26 20:35	02/06/26 22:33	1
d9-N-EtFOSE-M	70.6		10 - 130	02/05/26 20:35	02/06/26 22:33	1
d5-NEtPFOSA	69.5		10 - 130	02/05/26 20:35	02/06/26 22:33	1
d3-NMePFOSA	71.8		10 - 130	02/05/26 20:35	02/06/26 22:33	1

Lab Sample ID: LCS 320-900523/3-A

Matrix: Water

Analysis Batch: 900740

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 900523

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	80.0	74.7		ng/L		93	70 - 140
Perfluoropentanoic acid (PFPeA)	40.0	47.1		ng/L		118	65 - 135
Perfluorohexanoic acid (PFHxA)	40.0	42.7		ng/L		107	70 - 145
Perfluoroheptanoic acid (PFHpA)	40.0	41.2		ng/L		103	70 - 150
Perfluorooctanoic acid (PFOA)	40.0	38.4		ng/L		96	70 - 150
Perfluorononanoic acid (PFNA)	40.0	39.1		ng/L		98	70 - 150
Perfluorodecanoic acid (PFDA)	40.0	42.7		ng/L		107	70 - 140

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QC Sample Results

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

Job ID: 380-195020-1
SDG: Site H1 PFAS 1633

Method: QSM B-24 - PFAS for QSM 6.0, Table B-24 (Continued)

Lab Sample ID: LCS 320-900523/3-A

Matrix: Water

Analysis Batch: 900740

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 900523

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoroundecanoic acid (PFUnA)	40.0	42.9		ng/L		107	70 - 145
Perfluorododecanoic acid (PFDoA)	40.0	40.1		ng/L		100	70 - 140
Perfluorotridecanoic acid (PFTrDA)	40.0	39.3		ng/L		98	65 - 140
Perfluorotetradecanoic acid (PFTeDA)	40.0	43.4		ng/L		108	60 - 140
Perfluorobutanesulfonic acid (PFBS)	35.5	32.2		ng/L		91	60 - 145
Perfluoropentanesulfonic acid (PFPeS)	37.6	37.8		ng/L		101	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	36.5	33.0		ng/L		90	65 - 145
Perfluoroheptanesulfonic acid (PFHpS)	38.2	41.5		ng/L		109	70 - 150
Perfluorooctanesulfonic acid (PFOS)	37.2	37.3		ng/L		100	55 - 150
Perfluorononanesulfonic acid (PFNS)	38.5	38.0		ng/L		99	65 - 145
Perfluorodecanesulfonic acid (PFDS)	38.6	36.1		ng/L		94	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	38.8	33.9		ng/L		87	50 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	75.0	75.1		ng/L		100	70 - 145
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	76.2	74.3		ng/L		98	65 - 155
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	76.8	74.4		ng/L		97	60 - 150
Perfluorooctanesulfonamide (PFOSA)	40.0	40.8		ng/L		102	70 - 145
N-methylperfluorooctane sulfonamide (NMeFOSA)	40.0	35.3		ng/L		88	60 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	40.0	35.5		ng/L		89	65 - 145
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	37.2		ng/L		93	50 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	39.3		ng/L		98	70 - 145
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	200	192		ng/L		96	70 - 145
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	200	174		ng/L		87	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	30.0	29.2		ng/L		97	70 - 140
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	35.2		ng/L		93	65 - 145
Perfluoro-4-methoxybutanoic acid (PFMBA)	40.0	39.5		ng/L		99	60 - 150
Nonfluoro-3,6-dioxaheptanoic acid (NFDHA)	40.0	33.9		ng/L		85	50 - 150
Perfluoro-3-methoxypropanoic acid (PFMPA)	40.0	39.0		ng/L		97	55 - 140
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	37.4	36.9		ng/L		99	70 - 155

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QC Sample Results

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

Job ID: 380-195020-1
SDG: Site H1 PFAS 1633

Method: QSM B-24 - PFAS for QSM 6.0, Table B-24 (Continued)

Lab Sample ID: LCS 320-900523/3-A

Matrix: Water

Analysis Batch: 900740

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 900523

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	37.8	36.7		ng/L		97	55 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEA)	35.7	36.6		ng/L		103	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	80.0	80.0		ng/L		100	65 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	200	189		ng/L		95	70 - 135
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	200	167		ng/L		84	50 - 145

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C4 PFBA	91.0		5 - 130
13C5 PFPeA	97.1		40 - 130
13C5 PFHxA	102		40 - 130
13C4 PFHpA	90.9		40 - 130
13C8 PFOA	103		40 - 130
13C9 PFNA	102		40 - 130
13C6 PFDA	96.8		40 - 130
13C7 PFUnA	100		30 - 130
13C2 PFDoA	96.9		10 - 130
13C2 PFTeDA	83.0		10 - 130
13C3 PFBS	112		40 - 135
13C3 PFHxS	104		40 - 130
13C8 PFOS	96.9		40 - 130
13C8 PFOSA	87.7		40 - 130
d3-NMeFOSAA	77.2		40 - 170
d5-NEtFOSAA	90.8		25 - 135
13C2 4:2 FTS	114		40 - 200
13C2 6:2 FTS	115		40 - 200
13C2 8:2 FTS	103		40 - 300
13C3 HFPO-DA	93.4		40 - 130
d7-N-MeFOSE-M	91.1		10 - 130
d9-N-EtFOSE-M	99.4		10 - 130
d5-NEtPFOSA	81.5		10 - 130
d3-NMePFOSA	80.6		10 - 130

Lab Sample ID: LCSD 320-900523/4-A

Matrix: Water

Analysis Batch: 900740

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 900523

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	80.0	75.9		ng/L		95	70 - 140	2	30
Perfluoropentanoic acid (PFPeA)	40.0	42.5		ng/L		106	65 - 135	10	30
Perfluorohexanoic acid (PFHxA)	40.0	43.6		ng/L		109	70 - 145	2	30
Perfluoroheptanoic acid (PFHpA)	40.0	41.0		ng/L		102	70 - 150	0	30
Perfluorooctanoic acid (PFOA)	40.0	39.6		ng/L		99	70 - 150	3	30
Perfluorononanoic acid (PFNA)	40.0	38.6		ng/L		97	70 - 150	1	30
Perfluorodecanoic acid (PFDA)	40.0	42.0		ng/L		105	70 - 140	2	30

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QC Sample Results

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

Job ID: 380-195020-1
SDG: Site H1 PFAS 1633

Method: QSM B-24 - PFAS for QSM 6.0, Table B-24 (Continued)

Lab Sample ID: LCSD 320-900523/4-A

Matrix: Water

Analysis Batch: 900740

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 900523

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluoroundecanoic acid (PFUnA)	40.0	38.4		ng/L		96	70 - 145	11	30
Perfluorododecanoic acid (PFDoA)	40.0	39.6		ng/L		99	70 - 140	1	30
Perfluorotridecanoic acid (PFTrDA)	40.0	38.6		ng/L		96	65 - 140	2	30
Perfluorotetradecanoic acid (PFTeDA)	40.0	43.2		ng/L		108	60 - 140	0	30
Perfluorobutanesulfonic acid (PFBS)	35.5	32.2		ng/L		91	60 - 145	0	30
Perfluoropentanesulfonic acid (PFPeS)	37.6	34.3		ng/L		91	65 - 140	10	30
Perfluorohexanesulfonic acid (PFHxS)	36.5	32.2		ng/L		88	65 - 145	2	30
Perfluoroheptanesulfonic acid (PFHpS)	38.2	36.2		ng/L		95	70 - 150	14	30
Perfluorooctanesulfonic acid (PFOS)	37.2	34.5		ng/L		93	55 - 150	8	30
Perfluorononanesulfonic acid (PFNS)	38.5	35.9		ng/L		93	65 - 145	5	30
Perfluorodecanesulfonic acid (PFDS)	38.6	34.6		ng/L		90	60 - 145	4	30
Perfluorododecanesulfonic acid (PFDoS)	38.8	27.3		ng/L		70	50 - 145	21	30
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	75.0	68.5		ng/L		91	70 - 145	9	30
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	76.2	78.2		ng/L		103	65 - 155	5	30
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	76.8	72.5		ng/L		94	60 - 150	3	30
Perfluorooctanesulfonamide (PFOSA)	40.0	38.2		ng/L		96	70 - 145	6	30
N-methylperfluorooctane sulfonamide (NMeFOSA)	40.0	34.5		ng/L		86	60 - 150	2	30
N-ethylperfluorooctane sulfonamide (NEtFOSA)	40.0	35.4		ng/L		89	65 - 145	0	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	37.4		ng/L		94	50 - 140	1	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	37.9		ng/L		95	70 - 145	4	30
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	200	183		ng/L		92	70 - 145	5	30
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	200	165		ng/L		83	70 - 135	5	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	30.0	28.7		ng/L		96	70 - 140	2	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	34.5		ng/L		91	65 - 145	2	30
Perfluoro-4-methoxybutanoic acid (PFMBA)	40.0	36.5		ng/L		91	60 - 150	8	30
Nonfluoro-3,6-dioxaheptanoic acid (NFDHA)	40.0	40.7		ng/L		102	50 - 150	18	30
Perfluoro-3-methoxypropanoic acid (PFMPA)	40.0	34.8		ng/L		87	55 - 140	11	30
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	37.4	35.8		ng/L		96	70 - 155	3	30

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QC Sample Results

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

Job ID: 380-195020-1
SDG: Site H1 PFAS 1633

Method: QSM B-24 - PFAS for QSM 6.0, Table B-24 (Continued)

Lab Sample ID: LCSD 320-900523/4-A

Matrix: Water

Analysis Batch: 900740

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 900523

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	37.8	31.6		ng/L		84	55 - 160	15	30
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEA)	35.7	33.9		ng/L		95	70 - 140	8	30
3-Perfluoropropylpropanoic acid (3:3 FTCA)	80.0	69.3		ng/L		87	65 - 130	14	30
3-Perfluoropentylpropanoic acid (5:3 FTCA)	200	190		ng/L		95	70 - 135	0	30
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	200	179		ng/L		89	50 - 145	7	30

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
13C4 PFBA	89.9		5 - 130
13C5 PFPeA	104		40 - 130
13C5 PFHxA	97.7		40 - 130
13C4 PFHpA	84.1		40 - 130
13C8 PFOA	97.1		40 - 130
13C9 PFNA	114		40 - 130
13C6 PFDA	101		40 - 130
13C7 PFUnA	110		30 - 130
13C2 PFDoA	98.3		10 - 130
13C2 PFTeDA	71.2		10 - 130
13C3 PFBS	104		40 - 135
13C3 PFHxS	102		40 - 130
13C8 PFOS	103		40 - 130
13C8 PFOSA	86.8		40 - 130
d3-NMeFOSAA	77.4		40 - 170
d5-NEtFOSAA	84.3		25 - 135
13C2 4:2 FTS	108		40 - 200
13C2 6:2 FTS	98.5		40 - 200
13C2 8:2 FTS	108		40 - 300
13C3 HFPO-DA	91.0		40 - 130
d7-N-MeFOSE-M	82.8		10 - 130
d9-N-EtFOSE-M	90.2		10 - 130
d5-NEtPFOSA	75.6		10 - 130
d3-NMePFOSA	77.0		10 - 130

Lab Sample ID: LLCS 320-900523/2-A

Matrix: Water

Analysis Batch: 900740

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 900523

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	8.00	7.23		ng/L		90	70 - 140
Perfluoropentanoic acid (PFPeA)	4.00	4.33		ng/L		108	65 - 135
Perfluorohexanoic acid (PFHxA)	4.00	4.50		ng/L		113	70 - 145
Perfluoroheptanoic acid (PFHpA)	4.00	3.88		ng/L		97	70 - 150
Perfluorooctanoic acid (PFOA)	4.00	4.10		ng/L		103	70 - 150
Perfluorononanoic acid (PFNA)	4.00	3.84		ng/L		96	70 - 150
Perfluorodecanoic acid (PFDA)	4.00	4.49		ng/L		112	70 - 140

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QC Sample Results

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

Job ID: 380-195020-1
SDG: Site H1 PFAS 1633

Method: QSM B-24 - PFAS for QSM 6.0, Table B-24 (Continued)

Lab Sample ID: LLCS 320-900523/2-A

Matrix: Water

Analysis Batch: 900740

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 900523

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoroundecanoic acid (PFUnA)	4.00	3.75		ng/L		94	70 - 145
Perfluorododecanoic acid (PFDoA)	4.00	3.55		ng/L		89	70 - 140
Perfluorotridecanoic acid (PFTrDA)	4.00	3.32		ng/L		83	65 - 140
Perfluorotetradecanoic acid (PFTeDA)	4.00	3.72		ng/L		93	60 - 140
Perfluorobutanesulfonic acid (PFBS)	3.55	3.24		ng/L		91	60 - 145
Perfluoropentanesulfonic acid (PFPeS)	3.76	3.65		ng/L		97	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	3.65	3.27		ng/L		90	65 - 145
Perfluoroheptanesulfonic acid (PFHpS)	3.82	3.65		ng/L		96	70 - 150
Perfluorooctanesulfonic acid (PFOS)	3.72	3.62		ng/L		97	55 - 150
Perfluorononanesulfonic acid (PFNS)	3.85	3.27		ng/L		85	65 - 145
Perfluorodecanesulfonic acid (PFDS)	3.86	2.93		ng/L		76	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	3.88	2.63		ng/L		68	50 - 145
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	7.50	7.31		ng/L		97	70 - 145
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	7.62	8.07		ng/L		106	65 - 155
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	7.68	6.67		ng/L		87	60 - 150
Perfluorooctanesulfonamide (PFOSA)	4.00	3.49		ng/L		87	70 - 145
N-methylperfluorooctane sulfonamide (NMeFOSA)	4.00	2.79		ng/L		70	60 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	4.00	3.02		ng/L		76	65 - 145
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.00	3.70		ng/L		92	50 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.00	3.67		ng/L		92	70 - 145
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	20.0	16.6		ng/L		83	70 - 145
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	20.0	14.5		ng/L		73	70 - 135
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	3.00	2.66		ng/L		89	70 - 140
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	3.78	3.57		ng/L		94	65 - 145
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.00	3.64		ng/L		91	60 - 150
Nonfluoro-3,6-dioxaheptanoic acid (NFDHA)	4.00	4.35		ng/L		109	50 - 150
Perfluoro-3-methoxypropanoic acid (PFMPA)	4.00	3.81		ng/L		95	55 - 140
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	3.74	3.43		ng/L		92	70 - 155

Eurofins Pomona

QC Sample Results

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

Job ID: 380-195020-1
SDG: Site H1 PFAS 1633

Method: QSM B-24 - PFAS for QSM 6.0, Table B-24 (Continued)

Lab Sample ID: LLCS 320-900523/2-A

Matrix: Water

Analysis Batch: 900740

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 900523

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	3.78	2.79		ng/L		74	55 - 160
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	3.57	3.81		ng/L		107	70 - 140
3-Perfluoropropylpropanoic acid (3:3 FTCA)	8.00	7.94		ng/L		99	65 - 130
3-Perfluoropentylpropanoic acid (5:3 FTCA)	20.0	20.7		ng/L		103	70 - 135
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	20.0	17.8		ng/L		89	50 - 145

Isotope Dilution	LLCS		Limits
	%Recovery	Qualifier	
13C4 PFBA	88.8		5 - 130
13C5 PFPeA	106		40 - 130
13C5 PFHxA	97.3		40 - 130
13C4 PFHpA	99.2		40 - 130
13C8 PFOA	103		40 - 130
13C9 PFNA	107		40 - 130
13C6 PFDA	93.7		40 - 130
13C7 PFUnA	101		30 - 130
13C2 PFDoA	88.0		10 - 130
13C2 PFTeDA	74.9		10 - 130
13C3 PFBS	103		40 - 135
13C3 PFHxS	98.9		40 - 130
13C8 PFOS	99.4		40 - 130
13C8 PFOSA	86.6		40 - 130
d3-NMeFOSAA	71.9		40 - 170
d5-NEtFOSAA	82.9		25 - 135
13C2 4:2 FTS	103		40 - 200
13C2 6:2 FTS	94.9		40 - 200
13C2 8:2 FTS	109		40 - 300
13C3 HFPO-DA	99.9		40 - 130
d7-N-MeFOSE-M	85.7		10 - 130
d9-N-EtFOSE-M	93.5		10 - 130
d5-NEtPFOSA	81.6		10 - 130
d3-NMePFOSA	83.3		10 - 130

QC Association Summary

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

Job ID: 380-195020-1
SDG: Site H1 PFAS 1633

LCMS

Prep Batch: 900523

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-195020-1	BWS2253-H1-AQ	Total/NA	Water	1633	
MB 320-900523/1-A	Method Blank	Total/NA	Water	1633	
LCS 320-900523/3-A	Lab Control Sample	Total/NA	Water	1633	
LCSD 320-900523/4-A	Lab Control Sample Dup	Total/NA	Water	1633	
LLCS 320-900523/2-A	Lab Control Sample	Total/NA	Water	1633	

Analysis Batch: 900740

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-195020-1	BWS2253-H1-AQ	Total/NA	Water	QSM B-24	900523
MB 320-900523/1-A	Method Blank	Total/NA	Water	QSM B-24	900523
LCS 320-900523/3-A	Lab Control Sample	Total/NA	Water	QSM B-24	900523
LCSD 320-900523/4-A	Lab Control Sample Dup	Total/NA	Water	QSM B-24	900523
LLCS 320-900523/2-A	Lab Control Sample	Total/NA	Water	QSM B-24	900523

Lab Chronicle

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

Job ID: 380-195020-1
SDG: Site H1 PFAS 1633

Client Sample ID: BWS2253-H1-AQ
Date Collected: 01/28/26 09:30
Date Received: 01/29/26 10:10

Lab Sample ID: 380-195020-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633			900523	JJN	EET SAC	02/05/26 20:35
Total/NA	Analysis	QSM B-24		1	900740	C1P	EET SAC	02/07/26 03:29

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Accreditation/Certification Summary

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

Job ID: 380-195020-1
SDG: Site H1 PFAS 1633

Laboratory: Eurofins Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska	State	CA00044	06-30-26
Alaska (UST)	State	17-020	02-20-27
ANAB	Dept. of Defense ELAP	L2468	01-20-27
ANAB	Dept. of Energy	L2468.01	01-20-27
ANAB	ISO/IEC 17025	L2468.03	01-20-27
Arizona	State	AZ0708	08-11-26
Arkansas DEQ	State	88-0691	05-18-26
California	State	2897	01-31-28
Colorado	State	CA00044	08-31-26
Florida	NELAP	E87570	06-30-26
Georgia	State	4040	01-29-27
Illinois	NELAP	200060	03-31-26
Kansas	NELAP	E-10375	10-31-26
Louisiana	NELAP	01944	06-30-26
Louisiana (All)	NELAP	01944	06-30-26
Maine	State	CA00004	04-14-26
Massachusetts	State	M-CA044	06-30-26
Michigan	State	9947	01-29-26 *
Minnesota	NELAP	006-999-474	12-31-26
Nevada	State	CA00044	07-31-26
New Jersey	NELAP	CA005	06-30-26
New York	NELAP	11666	04-01-26
Ohio	State	41252	01-29-27
Oregon	NELAP	4040	01-29-27
Texas	NELAP	T104704399-23-17	05-31-26
US Fish & Wildlife	US Federal Programs	A22139	04-30-26
USDA	US Federal Programs	525-23-59-76739	02-28-26
Utah	NELAP	CA000442023-16	02-28-26
Virginia	NELAP	460278	03-14-26
Washington	State	C581	05-05-26
West Virginia (DW)	State	9930C	01-31-27
West Virginia DEP	State	422	03-28-26
Wisconsin	State	998204680	08-31-26
Wyoming	State Program	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins Pomona

Method Summary

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

Job ID: 380-195020-1
SDG: Site H1 PFAS 1633

Method	Method Description	Protocol	Laboratory
QSM B-24	PFAS for QSM 6.0, Table B-24	DoD 6.0	EET SAC
1633	Solid-Phase Extraction (SPE)	EPA	EET SAC

Protocol References:

DoD 6.0 = Department of Defense Quality Systems Manual V6.0
EPA = US Environmental Protection Agency

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Sample Summary

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

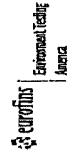
Job ID: 380-195020-1
SDG: Site H1 PFAS 1633

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
380-195020-1	BWS2253-H1-AQ	Water	01/28/26 09:30	01/29/26 10:10	Hawaii

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17

Eurofins Pomona, CA
941 Corporate Center Drive
Pomona, CA 91768

Chain of Custody Record



Client Information		Sample: H. Bentley/Schmidt		Lab P/N: Lopez, Maria		COC No:			
Client Contact: Mr. Erwin Kawala		Phone: 858-205-0730		E-Mail: Maria.Lopez@eurofins.com		State of Origin: Hawaii			
Company:		PMSID:		Analysis Requested		Page: Page 1 of 1			
City & County of Honolulu		Due Date Requested:		TAT Requested (days): Standard		Job #:			
Address: 630 South Beretania Street		City: Honolulu		State: HI		Preservation Codes:			
State, Zip: HI 96843		Compliance Project: A Year Δ No		PO #: 808-748-5086		A-HCL B-NHCL C-Zn Acetate D-NH4SCN E-NH4SCN F-MOH G-Ambic H-Ascorbic Acid I-Iso J-DIwater K-EDTA L-EDA Other			
Email: elavata@hbw.org		WO #: 39000651		Project #: HRS-340E - RED-HILL - INTERA		M-Hexane N-None O-ArNCO2 P-Na2O4S Q-Na2SO3 R-Na2SO4 S-Na2SO4 T-TSP Oxidizedhydrate U-Asenone V-MCAA W-PH 4.5 Y-Triaza Z-other (specify)			
Site: Site H1		SSOWE:		Field Filled Sample (Yes or No)		Special Instructions/Note: x = testing comes from another container.			
Sample Identification		Sample Date		Sample Time		Sample Type (C-Comp, G-grab)		Matrix (Asenone, Triaza, Other, etc.)	
BWS2253-H1-AQ		1/28/2026		9:30		G		Water	
BWS2253-H1-BQ		1/28/2026		12:00		G		Water	
BWS2253-H1-CQ		1/28/2026		1:00		G		Water	
BWS2253-H1-DQ		1/28/2026		2:00		G		Water	
BWS2253-H1-EQ		1/28/2026		3:00		G		Water	
BWS2253-H1-FQ		1/28/2026		4:00		G		Water	
BWS2253-H1-GQ		1/28/2026		5:00		G		Water	
BWS2253-H1-HQ		1/28/2026		6:00		G		Water	
BWS2253-H1-IQ		1/28/2026		7:00		G		Water	
BWS2253-H1-JQ		1/28/2026		8:00		G		Water	
BWS2253-H1-KQ		1/28/2026		9:00		G		Water	
BWS2253-H1-LQ		1/28/2026		10:00		G		Water	
BWS2253-H1-MQ		1/28/2026		11:00		G		Water	
BWS2253-H1-NQ		1/28/2026		12:00		G		Water	
BWS2253-H1-OQ		1/28/2026		1:00		G		Water	
BWS2253-H1-PQ		1/28/2026		2:00		G		Water	
BWS2253-H1-QQ		1/28/2026		3:00		G		Water	
BWS2253-H1-RQ		1/28/2026		4:00		G		Water	
BWS2253-H1-SQ		1/28/2026		5:00		G		Water	
BWS2253-H1-TQ		1/28/2026		6:00		G		Water	
BWS2253-H1-UQ		1/28/2026		7:00		G		Water	
BWS2253-H1-VQ		1/28/2026		8:00		G		Water	
BWS2253-H1-WQ		1/28/2026		9:00		G		Water	
BWS2253-H1-XQ		1/28/2026		10:00		G		Water	
BWS2253-H1-YQ		1/28/2026		11:00		G		Water	
BWS2253-H1-ZQ		1/28/2026		12:00		G		Water	
BWS2253-H1-AA		1/28/2026		1:00		G		Water	
BWS2253-H1-BA		1/28/2026		2:00		G		Water	
BWS2253-H1-CA		1/28/2026		3:00		G		Water	
BWS2253-H1-DA		1/28/2026		4:00		G		Water	
BWS2253-H1-EA		1/28/2026		5:00		G		Water	
BWS2253-H1-FA		1/28/2026		6:00		G		Water	
BWS2253-H1-GA		1/28/2026		7:00		G		Water	
BWS2253-H1-HA		1/28/2026		8:00		G		Water	
BWS2253-H1-IA		1/28/2026		9:00		G		Water	
BWS2253-H1-JA		1/28/2026		10:00		G		Water	
BWS2253-H1-KA		1/28/2026		11:00		G		Water	
BWS2253-H1-LA		1/28/2026		12:00		G		Water	
BWS2253-H1-MA		1/28/2026		1:00		G		Water	
BWS2253-H1-NA		1/28/2026		2:00		G		Water	
BWS2253-H1-OA		1/28/2026		3:00		G		Water	
BWS2253-H1-PA		1/28/2026		4:00		G		Water	
BWS2253-H1-QA		1/28/2026		5:00		G		Water	
BWS2253-H1-RA		1/28/2026		6:00		G		Water	
BWS2253-H1-SA		1/28/2026		7:00		G		Water	
BWS2253-H1-TA		1/28/2026		8:00		G		Water	
BWS2253-H1-UA		1/28/2026		9:00		G		Water	
BWS2253-H1-VA		1/28/2026		10:00		G		Water	
BWS2253-H1-WA		1/28/2026		11:00		G		Water	
BWS2253-H1-XA		1/28/2026		12:00		G		Water	
BWS2253-H1-YA		1/28/2026		1:00		G		Water	
BWS2253-H1-ZA		1/28/2026		2:00		G		Water	
BWS2253-H1-AA		1/28/2026		3:00		G		Water	
BWS2253-H1-BA		1/28/2026		4:00		G		Water	
BWS2253-H1-CA		1/28/2026		5:00		G		Water	
BWS2253-H1-DA		1/28/2026		6:00		G		Water	
BWS2253-H1-EA		1/28/2026		7:00		G		Water	
BWS2253-H1-FA		1/28/2026		8:00		G		Water	
BWS2253-H1-GA		1/28/2026		9:00		G		Water	
BWS2253-H1-HA		1/28/2026		10:00		G		Water	
BWS2253-H1-IA		1/28/2026		11:00		G		Water	
BWS2253-H1-JA		1/28/2026		12:00		G		Water	
BWS2253-H1-KA		1/28/2026		1:00		G		Water	
BWS2253-H1-LA		1/28/2026		2:00		G		Water	
BWS2253-H1-MA		1/28/2026		3:00		G		Water	
BWS2253-H1-NA		1/28/2026		4:00		G		Water	
BWS2253-H1-OA		1/28/2026		5:00		G		Water	
BWS2253-H1-PA		1/28/2026		6:00		G		Water	
BWS2253-H1-QA		1/28/2026		7:00		G		Water	
BWS2253-H1-RA		1/28/2026		8:00		G		Water	
BWS2253-H1-SA		1/28/2026		9:00		G		Water	
BWS2253-H1-TA		1/28/2026		10:00		G		Water	
BWS2253-H1-UA		1/28/2026		11:00		G		Water	
BWS2253-H1-VA		1/28/2026		12:00		G		Water	
BWS2253-H1-WA		1/28/2026		1:00		G		Water	
BWS2253-H1-XA		1/28/2026		2:00		G		Water	
BWS2253-H1-YA		1/28/2026		3:00		G		Water	
BWS2253-H1-ZA		1/28/2026		4:00		G		Water	
BWS2253-H1-AA		1/28/2026		5:00		G		Water	
BWS2253-H1-BA		1/28/2026		6:00		G		Water	
BWS2253-H1-CA		1/28/2026		7:00		G		Water	
BWS2253-H1-DA		1/28/2026		8:00		G		Water	
BWS2253-H1-EA		1/28/2026		9:00		G		Water	
BWS2253-H1-FA		1/28/2026		10:00		G		Water	
BWS2253-H1-GA		1/28/2026		11:00		G		Water	
BWS2253-H1-HA		1/28/2026		12:00		G		Water	
BWS2253-H1-IA		1/28/2026		1:00		G		Water	
BWS2253-H1-JA		1/28/2026		2:00		G		Water	
BWS2253-H1-KA		1/28/2026		3:00		G		Water	
BWS2253-H1-LA		1/28/2026		4:00		G		Water	
BWS2253-H1-MA		1/28/2026		5:00		G		Water	
BWS2253-H1-NA		1/28/2026		6:00		G		Water	
BWS2253-H1-OA		1/28/2026		7:00		G		Water	
BWS2253-H1-PA		1/28/2026		8:00		G		Water	
BWS2253-H1-QA		1/28/2026		9:00		G		Water	
BWS2253-H1-RA		1/28/2026		10:00		G		Water	
BWS2253-H1-SA		1/28/2026		11:00		G		Water	
BWS2253-H1-TA		1/28/2026		12:00		G		Water	
BWS2253-H1-UA		1/28/2026		1:00		G		Water	
BWS2253-H1-VA		1/28/2026		2:00		G		Water	
BWS2253-H1-WA		1/28/2026		3:00		G		Water	
BWS2253-H1-XA		1/28/2026		4:00		G		Water	
BWS2253-H1-YA		1/28/2026		5:00		G		Water	
BWS2253-H1-ZA		1/28/2026		6:00		G		Water	
BWS2253-H1-AA		1/28/2026		7:00		G		Water	
BWS2253-H1-BA		1/28/2026		8:00		G		Water	
BWS2253-H1-CA		1/28/2026		9:00		G		Water	
BWS2253-H1-DA		1/28/2026		10:00		G		Water	
BWS2253-H1-EA		1/28/2026		11:00		G		Water	
BWS2253-H1-FA		1/28/2026		12:00		G		Water	
BWS2253-H1-GA		1/28/2026		1:00		G		Water	
BWS2253-H1-HA		1/28/2026		2:00		G		Water	
BWS2253-H1-IA		1/28/2026		3:00		G		Water	
BWS2253-H1-JA		1/28/2026		4:00		G		Water	
BWS2253-H1-KA		1/28/2026		5:00		G		Water	
BWS2253-H1-LA		1/28/2026		6:00		G		Water	
BWS2253-H1-MA		1/28/2026		7:00		G		Water	
BWS2253-H1-NA		1/28/2026		8:00		G		Water	
BWS2253-H1-OA		1/28/2026		9:00		G		Water	
BWS2253-H1-PA		1/28/2026		10:00		G		Water	
BWS2253-H1-QA		1/28/2026		11:00		G		Water	
BWS2253-H1-RA		1/28/2026		12:00		G		Water	
BWS2253-H1-SA		1/28/2026		1:00		G		Water	
BWS2253-H1-TA		1/28/2026		2:00		G		Water	
BWS2253-H1-UA		1/28/2026		3:00		G		Water	
BWS2253-H1-VA		1/28/2026		4:00		G		Water	
BWS2253-H1-WA		1/28/2026		5:00		G		Water	
BWS2253-H1-XA		1/28/2026		6:00		G		Water	
BWS2253-H1-YA		1/28/2026		7:00		G		Water	
BWS2253-H1-ZA		1/28/2026		8:00		G		Water	
BWS2253-H1-AA		1/28/2026		9:00		G		Water	
BWS2253-H1-BA		1/28/2026		10:00		G		Water	
BWS2253-H1-CA		1/28/2026		11:00		G		Water	
BWS2253-H1-DA		1/28/2026		12:00		G		Water	
BWS2253-H1-EA		1/28/2026		1:00		G		Water	
BWS2253-H1-FA		1/28/2026		2:00		G		Water	
BWS2253-H1-GA		1/28/2026		3:00		G		Water	
BWS2253-H1-HA		1/28/2026		4:00		G		Water	
BWS2253-H1-IA		1/28/2026		5:00		G		Water	
BWS2253-H1-JA		1/28/2026		6:00		G		Water	
BWS2253-H1-KA		1/28/2026		7:00		G		Water	
BWS2253-H1-LA		1/28/2026		8:00		G		Water	
BWS2253-H1-MA		1/28/2026		9:00		G		Water	
BWS2253-H1-NA		1/28/2026		10:00		G		Water	
BWS2253-H1-OA		1/28/2026		11:00		G		Water	
BWS2253-H1-PA		1/28/2026		12:00		G		Water	
BWS2253-H1-QA		1/28/2026		1:00		G		Water	
BWS2253-H1-RA		1/28/2026		2:00		G		Water	
BWS2253-H1-SA		1/28/2026		3:00		G		Water	
BWS2253-H1-TA		1/28/2026		4:00		G		Water	
BWS2253-H1-UA		1/28/2026		5:00		G		Water	
BWS2253-H1-VA		1/28/2026		6:00		G		Water	
BWS2253-H1-WA		1/28/2026		7:00		G		Water	
BWS2253-H1-XA		1/28/2026		8:00		G		Water	
BWS2253-H1-YA		1/28/2026		9:00		G		Water	
BWS2253-H1-ZA		1/28/2026		10:00		G		Water	
BWS2253-H1-AA		1/28/2026		11:00		G		Water	
BWS2253-H1-BA		1/28/2026		12:00		G		Water	
BWS2253-H1-CA		1/28/2026		1:00		G		Water	
BWS2253-H1-DA		1/28/2026		2:00		G		Water	
BWS2253-H1-EA		1/28/2026		3:00		G		Water	
BWS2253-H1-FA		1/28/2026		4:00		G		Water	
BWS2253-H1-GA		1/28/2026		5:00		G		Water	
BWS2253-H1-HA		1/28/2026		6:00		G		Water	
BWS2253-H1-IA		1/28/2026		7:00		G		Water	
BWS2253-H1-JA		1/28/2026		8:00					

Chain of Custody Record



Client Information (Sub Contract Lab)		Sampler	Lab P/N	Carrier Tracking No(s)	COC No:
N/A		N/A	Lopez, Mana	N/A	380-2996211
Client Contact:		Phone:	E-Mail:	State of Origin:	Page:
Shipping/Receiving		N/A	Maria.Lopez@et.eurofinsus.com	Hawaii	Page 1 of 1
Company:		Accreditations Required (See note):			
Eurofins Environment Testing Northern Ca		State - Hawaii			
Address:		Due Date Requested:			
8880 Riverside Parkway,		2/11/2026			
City:		TAT Requested (days):			
West Sacramento		N/A			
State, Zip:		PO #:			
CA, 95605		N/A			
Phone:		WO #:			
916-373-5600(Tel) 916-372-1059(Fax)		N/A			
Email:		Project #:			
N/A		38000861			
Project Name:		SSOW#:			
INTERA - Red-Hill-Incident		N/A			
Site:		Sample Date			
Honolulu BWS Sites		1/28/26			
Sample Identification - Client ID (Lab ID)		Sample Time			
BWS253-H1-AQ (380-195020-1)		09:30 Hawaiian			
Preservation Code:		Matrix			
G		(W=water, S=solid, O=oil, T=tissue, A=air)			
Field Filtered Sample (Yes or No)		Sample Type (C=Comp, G=Grab)			
X		G			
Perform MS/MSD (Yes or No)		Water			
X		X			
1633.DOD6/1633.SPE.125EPA Method 1633 Std Lit		Total Number of Containers			
2		Special Instructions/Note:			
Other: N/A					

Note: Since laboratory accreditations are subject to change, Eurofins Drinking Water and Wastewater West, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Drinking Water and Wastewater West, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Drinking Water and Wastewater West, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Drinking Water and Wastewater West, LLC.

Possible Hazard Identification
Unconfirmed
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2

Empty Kit Relinquished by
Relinquished by
Relinquished by
Relinquished by

Date: Time: Method of Shipment: Company
Received by: Date/Time: 1/19/16
Received by: Date/Time:
Received by: Date/Time:

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For Months
Special Instructions/QC Requirements:

Custody Seal No. 2189563
Custody Seals Intact: Yes No
Cooler Temperature(s) °C and Other Remarks: 32°

Chain of Custody Record

Client Information			Company			City & County of Honolulu			State of Origin:			Carrier Tracking No(s):			COC No:		
H. Bentley/Bj Schmidt			Lab Pkt:			Lopez, Maria			State of Origin:			Carrier Tracking No(s):			COC No:		
Phone			E-Mail:			Maria.Lopez@st.eurofinsus.com			Hawaii								
858-205-0730			PWSID:														
Due Date Requested:			TAT Requested (days):			Standard			Compliance Project: ☐ Yes ☐ No			PO #:			WO #:		
38000861			38000861			38000861			38000861			38000861			38000861		
Project Name:			Project #:			SSOW#:			Field Filled Sample (Yes or No)			Form MSMSD (Yes or No)			Form MSMSD (Yes or No)		
HRS-340E - RED-HILL - INTERA			38000861			38000861			38000861			38000861			38000861		
Site:			Site:			Site:			Site:			Site:			Site:		
Site H1			Site H1			Site H1			Site H1			Site H1			Site H1		
Sample Identification			Sample Date			Sample Time			Sample Type			Matrix			Preservation Code:		
BWS2253-H1-AQ			1/28/2025			9:30			G			Water			N		
BWS2253-H1-BQ			1/28/2025			13:00			G			Water			N		
BWS2253-H1-CQ			1/28/2025			13:00			G			Water			N		
																	
380-195020 Chain of Custody																	
Possible Hazard Identification			Non-Hazard			Flammable			Skid/Infant			Poison B			Unknown		
☒ Non-Hazard			☐ Flammable			☐ Skid/Infant			☐ Poison B			☐ Unknown			☐ Radiological		
Deliverable Requested: I II III IV Other (specify)																	
Empty Kit Relinquished by:			Date:			Time:			Method of Shipment: FEDEX Priority Overnight			Return To Client			Disposal By Lab		
Relinquished by: 			1/28/24			13:00			Company INTERA Inc			☒ Return To Client			☐ Disposal By Lab		
Relinquished by:									Company								
Relinquished by:									Company								
Relinquished by:									Company								
Custody Seal No.			Custody Seal No.			Custody Seal No.			Custody Seal No.			Custody Seal No.			Custody Seal No.		
7189567			7189567			7189567			7189567			7189567			7189567		
Company			Company			Company			Company			Company			Company		
Bentley			Bentley			Bentley			Bentley			Bentley			Bentley		
Date/Time:			Date/Time:			Date/Time:			Date/Time:			Date/Time:			Date/Time:		
1/28/24			1/28/24			1/28/24			1/28/24			1/28/24			1/28/24		
Archive For			Archive For			Archive For			Archive For			Archive For			Archive For		
Months			Months			Months			Months			Months			Months		
Special Instructions/Note:			Special Instructions/Note:			Special Instructions/Note:			Special Instructions/Note:			Special Instructions/Note:			Special Instructions/Note:		
x = testing comes from another container			x = testing comes from another container			x = testing comes from another container			x = testing comes from another container			x = testing comes from another container			x = testing comes from another container		
Subcontract Notes:			Subcontract Notes:			Subcontract Notes:			Subcontract Notes:			Subcontract Notes:			Subcontract Notes:		
625 PAH - EEA Pom			625 PAH - EEA Pom			625 PAH - EEA Pom			625 PAH - EEA Pom			625 PAH - EEA Pom			625 PAH - EEA Pom		
8015 TPH D+M, JP5, JP8			8015 TPH D+M, JP5, JP8			8015 TPH D+M, JP5, JP8			8015 TPH D+M, JP5, JP8			8015 TPH D+M, JP5, JP8			8015 TPH D+M, JP5, JP8		
- EEA Pom			- EEA Pom			- EEA Pom			- EEA Pom			- EEA Pom			- EEA Pom		
8015 Gas - EEA Pom			8015 Gas - EEA Pom			8015 Gas - EEA Pom			8015 Gas - EEA Pom			8015 Gas - EEA Pom			8015 Gas - EEA Pom		
82608 - EEA POM			82608 - EEA POM			82608 - EEA POM			82608 - EEA POM			82608 - EEA POM			82608 - EEA POM		
PFAS 537.1 & 533 - EEA			PFAS 537.1 & 533 - EEA			PFAS 537.1 & 533 - EEA			PFAS 537.1 & 533 - EEA			PFAS 537.1 & 533 - EEA			PFAS 537.1 & 533 - EEA		
POM			POM			POM			POM			POM			POM		
PFAS 1633 - EEA SAC			PFAS 1633 - EEA SAC			PFAS 1633 - EEA SAC			PFAS 1633 - EEA SAC			PFAS 1633 - EEA SAC			PFAS 1633 - EEA SAC		
Bill and Report to EEA -			Bill and Report to EEA -			Bill and Report to EEA -			Bill and Report to EEA -			Bill and Report to EEA -			Bill and Report to EEA -		
Pomona			Pomona			Pomona			Pomona			Pomona			Pomona		
Preservation Codes:			Preservation Codes:			Preservation Codes:			Preservation Codes:			Preservation Codes:			Preservation Codes:		
M HCL			M HCL			M HCL											

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-195020-1
SDG Number: Site H1 PFAS 1633

Login Number: 195020

List Number: 1

Creator: Ngo, Theodore

List Source: Eurofins Pomona

Question	Answer	Comment
The coolers custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
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	
CIO4 headspace requirement met (>50% for CA, >30% for other states).	True	
Samples do not require splitting or compositing.	True	
Container provided by EEA	True	

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-195020-1
SDG Number: Site H1 PFAS 1633

Login Number: 195020

List Number: 2

Creator: Simmons, Jason C

List Source: Eurofins Sacramento

List Creation: 01/29/26 05:54 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	2189567
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.3c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
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	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	