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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Erwin Kawata
City & County of Honolulu
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Honolulu, Hawaii 96843

Generated 3/26/2026 10:28:27 AM

JOB DESCRIPTION

RED-HILL
PFAS: Aiea Wells P2

JOB NUMBER

380-203665-1

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Job Notes

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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



Authorized for release by
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Definitions/Glossary

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

Job ID: 380-203665-1
SDG: PFAS: Aiea Wells P2

Qualifiers

LCMS

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

Glossary

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

Case Narrative

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

Job ID: 380-203665-1

Job ID: 380-203665-1

Eurofins Pomona

Job Narrative 380-203665-1

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

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

Receipt

The samples were received on 3/18/2026 10:20 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 2.2°C.

PFAS

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: RED-HILL

Job ID: 380-203665-1
SDG: PFAS: Aiea Wells P2

Client Sample ID: AIEA WELLS P2 (260) (331-004-WL103)
PWSID Number: HI0000331

Lab Sample ID: 380-203665-1

No Detections.

Client Sample ID: FB: AIEA WELLS P2 (260) (331-004-WL103)
PWSID Number: HI0000331

Lab Sample ID: 380-203665-2

No Detections.

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This Detection Summary does not include radiochemical test results.

Client Sample Results

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

Job ID: 380-203665-1
SDG: PFAS: Aiea Wells P2

Client Sample ID: AIEA WELLS P2 (260) (331-004-WL103)

Lab Sample ID: 380-203665-1

Date Collected: 03/16/26 11:46

Matrix: Water

Date Received: 03/18/26 10:20

PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	<2.0		2.0	ng/L		03/24/26 05:46	03/24/26 23:04	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	<2.0		2.0	ng/L		03/24/26 05:46	03/24/26 23:04	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<2.0		2.0	ng/L		03/24/26 05:46	03/24/26 23:04	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	<2.0		2.0	ng/L		03/24/26 05:46	03/24/26 23:04	1
Perfluorobutanesulfonic acid (PFBS)	<2.0		2.0	ng/L		03/24/26 05:46	03/24/26 23:04	1
Perfluorodecanoic acid (PFDA)	<2.0		2.0	ng/L		03/24/26 05:46	03/24/26 23:04	1
Perfluorododecanoic acid (PFDoA)	<2.0		2.0	ng/L		03/24/26 05:46	03/24/26 23:04	1
Perfluoroheptanoic acid (PFHpA)	<2.0		2.0	ng/L		03/24/26 05:46	03/24/26 23:04	1
Perfluorohexanesulfonic acid (PFHxS)	<2.0		2.0	ng/L		03/24/26 05:46	03/24/26 23:04	1
Perfluorohexanoic acid (PFHxA)	<2.0		2.0	ng/L		03/24/26 05:46	03/24/26 23:04	1
Perfluorononanoic acid (PFNA)	<2.0		2.0	ng/L		03/24/26 05:46	03/24/26 23:04	1
Perfluorooctanesulfonic acid (PFOS)	<2.0		2.0	ng/L		03/24/26 05:46	03/24/26 23:04	1
Perfluorooctanoic acid (PFOA)	<2.0		2.0	ng/L		03/24/26 05:46	03/24/26 23:04	1
Perfluoroundecanoic acid (PFUnA)	<2.0		2.0	ng/L		03/24/26 05:46	03/24/26 23:04	1
Perfluorobutanoic acid (PFBA)	<2.0		2.0	ng/L		03/24/26 05:46	03/24/26 23:04	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	<2.0		2.0	ng/L		03/24/26 05:46	03/24/26 23:04	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	<2.0		2.0	ng/L		03/24/26 05:46	03/24/26 23:04	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	<2.0		2.0	ng/L		03/24/26 05:46	03/24/26 23:04	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	<2.0		2.0	ng/L		03/24/26 05:46	03/24/26 23:04	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	<2.0		2.0	ng/L		03/24/26 05:46	03/24/26 23:04	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	<2.0		2.0	ng/L		03/24/26 05:46	03/24/26 23:04	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	<2.0		2.0	ng/L		03/24/26 05:46	03/24/26 23:04	1
Perfluoropentanoic acid (PFPeA)	<2.0		2.0	ng/L		03/24/26 05:46	03/24/26 23:04	1
Perfluoroheptanesulfonic acid (PFHpS)	<2.0		2.0	ng/L		03/24/26 05:46	03/24/26 23:04	1
Perfluoropentanesulfonic acid (PFPeS)	<2.0		2.0	ng/L		03/24/26 05:46	03/24/26 23:04	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	98		50 - 200	03/24/26 05:46	03/24/26 23:04	1
13C6 PFDA	113		50 - 200	03/24/26 05:46	03/24/26 23:04	1
13C5 PFHxA	109		50 - 200	03/24/26 05:46	03/24/26 23:04	1
13C4 PFHpA	111		50 - 200	03/24/26 05:46	03/24/26 23:04	1
13C8 PFOA	117		50 - 200	03/24/26 05:46	03/24/26 23:04	1
13C9 PFNA	116		50 - 200	03/24/26 05:46	03/24/26 23:04	1
13C7 PFUnA	106		50 - 200	03/24/26 05:46	03/24/26 23:04	1
13C2 PFDoA	109		50 - 200	03/24/26 05:46	03/24/26 23:04	1
13C4 PFBA	115		50 - 200	03/24/26 05:46	03/24/26 23:04	1
13C5 PFPeA	121		50 - 200	03/24/26 05:46	03/24/26 23:04	1
13C3 PFBS	114		50 - 200	03/24/26 05:46	03/24/26 23:04	1
13C3 PFHxS	116		50 - 200	03/24/26 05:46	03/24/26 23:04	1
13C8 PFOS	114		50 - 200	03/24/26 05:46	03/24/26 23:04	1

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Client Sample Results

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

Job ID: 380-203665-1
SDG: PFAS: Aiea Wells P2

Client Sample ID: AIEA WELLS P2 (260) (331-004-WL103)

Lab Sample ID: 380-203665-1

Date Collected: 03/16/26 11:46

Matrix: Water

Date Received: 03/18/26 10:20

PWSID Number: HI0000331

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	128		50 - 200	03/24/26 05:46	03/24/26 23:04	1
13C2-6:2-FTS	117		50 - 200	03/24/26 05:46	03/24/26 23:04	1
13C2-8:2-FTS	126		50 - 200	03/24/26 05:46	03/24/26 23:04	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	<2.0		2.0	ng/L		03/20/26 10:10	03/22/26 15:49	1
Perfluorooctanesulfonic acid (PFOS)	<2.0		2.0	ng/L		03/20/26 10:10	03/22/26 15:49	1
Perfluoroundecanoic acid (PFUnA)	<2.0		2.0	ng/L		03/20/26 10:10	03/22/26 15:49	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<2.0		2.0	ng/L		03/20/26 10:10	03/22/26 15:49	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<2.0		2.0	ng/L		03/20/26 10:10	03/22/26 15:49	1
Perfluorohexanoic acid (PFHxA)	<2.0		2.0	ng/L		03/20/26 10:10	03/22/26 15:49	1
Perfluorododecanoic acid (PFDoA)	<2.0		2.0	ng/L		03/20/26 10:10	03/22/26 15:49	1
Perfluorooctanoic acid (PFOA)	<2.0		2.0	ng/L		03/20/26 10:10	03/22/26 15:49	1
Perfluorodecanoic acid (PFDA)	<2.0		2.0	ng/L		03/20/26 10:10	03/22/26 15:49	1
Perfluorohexanesulfonic acid (PFHxS)	<2.0		2.0	ng/L		03/20/26 10:10	03/22/26 15:49	1
Perfluorobutanesulfonic acid (PFBS)	<2.0		2.0	ng/L		03/20/26 10:10	03/22/26 15:49	1
Perfluoroheptanoic acid (PFHpA)	<2.0		2.0	ng/L		03/20/26 10:10	03/22/26 15:49	1
Perfluorononanoic acid (PFNA)	<2.0		2.0	ng/L		03/20/26 10:10	03/22/26 15:49	1
Perfluorotetradecanoic acid (PFTA)	<2.0		2.0	ng/L		03/20/26 10:10	03/22/26 15:49	1
Perfluorotridecanoic acid (PFTTrDA)	<2.0		2.0	ng/L		03/20/26 10:10	03/22/26 15:49	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	<2.0		2.0	ng/L		03/20/26 10:10	03/22/26 15:49	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	<2.0		2.0	ng/L		03/20/26 10:10	03/22/26 15:49	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<2.0		2.0	ng/L		03/20/26 10:10	03/22/26 15:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	106		70 - 130	03/20/26 10:10	03/22/26 15:49	1
13C2 PFHxA	105		70 - 130	03/20/26 10:10	03/22/26 15:49	1
13C2 PFDA	109		70 - 130	03/20/26 10:10	03/22/26 15:49	1
13C3-GenX	106		70 - 130	03/20/26 10:10	03/22/26 15:49	1

Client Sample ID: FB: AIEA WELLS P2 (260) (331-004-WL103)

Lab Sample ID: 380-203665-2

Date Collected: 03/16/26 11:46

Matrix: Water

Date Received: 03/18/26 10:20

PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	<2.0		2.0	ng/L		03/24/26 05:46	03/24/26 23:14	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	<2.0		2.0	ng/L		03/24/26 05:46	03/24/26 23:14	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<2.0		2.0	ng/L		03/24/26 05:46	03/24/26 23:14	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	<2.0		2.0	ng/L		03/24/26 05:46	03/24/26 23:14	1
Perfluorobutanesulfonic acid (PFBS)	<2.0		2.0	ng/L		03/24/26 05:46	03/24/26 23:14	1
Perfluorodecanoic acid (PFDA)	<2.0		2.0	ng/L		03/24/26 05:46	03/24/26 23:14	1

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Client Sample Results

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

Job ID: 380-203665-1
SDG: PFAS: Aiea Wells P2

Client Sample ID: FB: AIEA WELLS P2 (260) (331-004-WL103)

Lab Sample ID: 380-203665-2

Date Collected: 03/16/26 11:46

Matrix: Water

Date Received: 03/18/26 10:20

PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanoic acid (PFDoA)	<2.0		2.0	ng/L		03/24/26 05:46	03/24/26 23:14	1
Perfluoroheptanoic acid (PFHpA)	<2.0		2.0	ng/L		03/24/26 05:46	03/24/26 23:14	1
Perfluorohexanesulfonic acid (PFHxS)	<2.0		2.0	ng/L		03/24/26 05:46	03/24/26 23:14	1
Perfluorohexanoic acid (PFHxA)	<2.0		2.0	ng/L		03/24/26 05:46	03/24/26 23:14	1
Perfluorononanoic acid (PFNA)	<2.0		2.0	ng/L		03/24/26 05:46	03/24/26 23:14	1
Perfluorooctanesulfonic acid (PFOS)	<2.0		2.0	ng/L		03/24/26 05:46	03/24/26 23:14	1
Perfluorooctanoic acid (PFOA)	<2.0		2.0	ng/L		03/24/26 05:46	03/24/26 23:14	1
Perfluoroundecanoic acid (PFUnA)	<2.0		2.0	ng/L		03/24/26 05:46	03/24/26 23:14	1
Perfluorobutanoic acid (PFBA)	<2.0		2.0	ng/L		03/24/26 05:46	03/24/26 23:14	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	<2.0		2.0	ng/L		03/24/26 05:46	03/24/26 23:14	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	<2.0		2.0	ng/L		03/24/26 05:46	03/24/26 23:14	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	<2.0		2.0	ng/L		03/24/26 05:46	03/24/26 23:14	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	<2.0		2.0	ng/L		03/24/26 05:46	03/24/26 23:14	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	<2.0		2.0	ng/L		03/24/26 05:46	03/24/26 23:14	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	<2.0		2.0	ng/L		03/24/26 05:46	03/24/26 23:14	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	<2.0		2.0	ng/L		03/24/26 05:46	03/24/26 23:14	1
Perfluoropentanoic acid (PFPeA)	<2.0		2.0	ng/L		03/24/26 05:46	03/24/26 23:14	1
Perfluoroheptanesulfonic acid (PFHpS)	<2.0		2.0	ng/L		03/24/26 05:46	03/24/26 23:14	1
Perfluoropentanesulfonic acid (PFPeS)	<2.0		2.0	ng/L		03/24/26 05:46	03/24/26 23:14	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	80		50 - 200	03/24/26 05:46	03/24/26 23:14	1
13C6 PFDA	109		50 - 200	03/24/26 05:46	03/24/26 23:14	1
13C5 PFHxA	111		50 - 200	03/24/26 05:46	03/24/26 23:14	1
13C4 PFHpA	108		50 - 200	03/24/26 05:46	03/24/26 23:14	1
13C8 PFOA	108		50 - 200	03/24/26 05:46	03/24/26 23:14	1
13C9 PFNA	111		50 - 200	03/24/26 05:46	03/24/26 23:14	1
13C7 PFUnA	104		50 - 200	03/24/26 05:46	03/24/26 23:14	1
13C2 PFDoA	105		50 - 200	03/24/26 05:46	03/24/26 23:14	1
13C4 PFBA	110		50 - 200	03/24/26 05:46	03/24/26 23:14	1
13C5 PFPeA	113		50 - 200	03/24/26 05:46	03/24/26 23:14	1
13C3 PFBS	116		50 - 200	03/24/26 05:46	03/24/26 23:14	1
13C3 PFHxS	114		50 - 200	03/24/26 05:46	03/24/26 23:14	1
13C8 PFOS	112		50 - 200	03/24/26 05:46	03/24/26 23:14	1
13C2-4:2-FTS	134		50 - 200	03/24/26 05:46	03/24/26 23:14	1
13C2-6:2-FTS	128		50 - 200	03/24/26 05:46	03/24/26 23:14	1
13C2-8:2-FTS	131		50 - 200	03/24/26 05:46	03/24/26 23:14	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	<2.0		2.0	ng/L		03/20/26 10:10	03/22/26 15:59	1
Perfluorooctanesulfonic acid (PFOS)	<2.0		2.0	ng/L		03/20/26 10:10	03/22/26 15:59	1
Perfluoroundecanoic acid (PFUnA)	<2.0		2.0	ng/L		03/20/26 10:10	03/22/26 15:59	1

Eurofins Pomona

Client Sample Results

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

Job ID: 380-203665-1
SDG: PFAS: Aiea Wells P2

Client Sample ID: FB: AIEA WELLS P2 (260) (331-004-WL103)

Lab Sample ID: 380-203665-2

Date Collected: 03/16/26 11:46

Matrix: Water

Date Received: 03/18/26 10:20

PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<2.0		2.0	ng/L		03/20/26 10:10	03/22/26 15:59	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<2.0		2.0	ng/L		03/20/26 10:10	03/22/26 15:59	1
Perfluorohexanoic acid (PFHxA)	<2.0		2.0	ng/L		03/20/26 10:10	03/22/26 15:59	1
Perfluorododecanoic acid (PFDoA)	<2.0		2.0	ng/L		03/20/26 10:10	03/22/26 15:59	1
Perfluorooctanoic acid (PFOA)	<2.0		2.0	ng/L		03/20/26 10:10	03/22/26 15:59	1
Perfluorodecanoic acid (PFDA)	<2.0		2.0	ng/L		03/20/26 10:10	03/22/26 15:59	1
Perfluorohexanesulfonic acid (PFHxS)	<2.0		2.0	ng/L		03/20/26 10:10	03/22/26 15:59	1
Perfluorobutanesulfonic acid (PFBS)	<2.0		2.0	ng/L		03/20/26 10:10	03/22/26 15:59	1
Perfluoroheptanoic acid (PFHpA)	<2.0		2.0	ng/L		03/20/26 10:10	03/22/26 15:59	1
Perfluorononanoic acid (PFNA)	<2.0		2.0	ng/L		03/20/26 10:10	03/22/26 15:59	1
Perfluorotetradecanoic acid (PFTA)	<2.0		2.0	ng/L		03/20/26 10:10	03/22/26 15:59	1
Perfluorotridecanoic acid (PFTrDA)	<2.0		2.0	ng/L		03/20/26 10:10	03/22/26 15:59	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	<2.0		2.0	ng/L		03/20/26 10:10	03/22/26 15:59	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	<2.0		2.0	ng/L		03/20/26 10:10	03/22/26 15:59	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<2.0		2.0	ng/L		03/20/26 10:10	03/22/26 15:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	103		70 - 130	03/20/26 10:10	03/22/26 15:59	1
13C2 PFHxA	102		70 - 130	03/20/26 10:10	03/22/26 15:59	1
13C2 PFDA	109		70 - 130	03/20/26 10:10	03/22/26 15:59	1
13C3-GenX	99		70 - 130	03/20/26 10:10	03/22/26 15:59	1

Action Limit Summary

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

Job ID: 380-203665-1
SDG: PFAS: Aiea Wells P2

Client Sample ID: AIEA WELLS P2 (260) (331-004-WL103)

Lab Sample ID: 380-203665-1

PWSID Number: HI0000331

Compliance Check

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

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

Client Sample ID: FB: AIEA WELLS P2 (260) (331-004-WL103)

Lab Sample ID: 380-203665-2

PWSID Number: HI0000331

Compliance Check

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

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

Surrogate Summary

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

Job ID: 380-203665-1
 SDG: PFAS: Aiea Wells P2

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		d5NEFOS (70-130)	PFHxA (70-130)	PFDA (70-130)	GenX (70-130)
380-203663-E-1-A MS	Matrix Spike	108	106	109	103
380-203663-F-1-A MSD	Matrix Spike Duplicate	105	108	106	103
380-203665-1	AIEA WELLS P2 (260) (331-004-WL103)	106	105	109	106
380-203665-2	FB: AIEA WELLS P2 (260) (331-004-WL103)	103	102	109	99
LCS 380-214630/23-A	Lab Control Sample	101	102	108	95
MBL 380-214630/21-A	Method Blank	114	109	114	107
MRL 380-214630/24-A	Lab Control Sample	106	105	108	103

Surrogate Legend

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



Isotope Dilution Summary

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

Job ID: 380-203665-1
SDG: PFAS: Aiea Wells P2

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)
380-203665-1	AIEA WELLS P2 (260) (331-004-WL	98	113	109	111	117	116	106	109
380-203665-2	FB: AIEA WELLS P2 (260) (331-004-WL103)	80	109	111	108	108	111	104	105
380-203737-B-5-A MS	Matrix Spike	96	92	94	95	92	93	94	96
380-203737-C-5-A MSD	Matrix Spike Duplicate	108	110	99	103	105	106	106	107
LCS 380-215308/22-A	Lab Control Sample	99	116	117	111	112	117	112	115
MBL 380-215308/20-A	Method Blank	93	113	114	104	114	117	107	110
MRL 380-215308/21-A	Lab Control Sample	86	111	110	112	110	112	110	106

		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)
380-203665-1	AIEA WELLS P2 (260) (331-004-WL	115	121	114	116	114	128	117	126
380-203665-2	FB: AIEA WELLS P2 (260) (331-004-WL103)	110	113	116	114	112	134	128	131
380-203737-B-5-A MS	Matrix Spike	111	125	112	109	104	126	119	127
380-203737-C-5-A MSD	Matrix Spike Duplicate	118	132	113	117	110	120	120	130
LCS 380-215308/22-A	Lab Control Sample	114	112	110	111	108	116	113	117
MBL 380-215308/20-A	Method Blank	113	116	116	113	113	137	130	139
MRL 380-215308/21-A	Lab Control Sample	112	114	118	114	106	131	122	130

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

QC Sample Results

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

Job ID: 380-203665-1
SDG: PFAS: Aiea Wells P2

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

Lab Sample ID: MBL 380-215308/20-A
Matrix: Water
Analysis Batch: 215499

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 215308

Analyte	MBL Result	MBL Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosfluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	<0.30		2.0	ng/L		03/24/26 05:46	03/24/26 20:31	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	<0.30		2.0	ng/L		03/24/26 05:46	03/24/26 20:31	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.60		2.0	ng/L		03/24/26 05:46	03/24/26 20:31	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	<1.0		2.0	ng/L		03/24/26 05:46	03/24/26 20:31	1
Perfluorobutanesulfonic acid (PFBS)	<0.37		2.0	ng/L		03/24/26 05:46	03/24/26 20:31	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	ng/L		03/24/26 05:46	03/24/26 20:31	1
Perfluorododecanoic acid (PFDoA)	<0.54		2.0	ng/L		03/24/26 05:46	03/24/26 20:31	1
Perfluoroheptanoic acid (PFHpA)	<0.39		2.0	ng/L		03/24/26 05:46	03/24/26 20:31	1
Perfluorohexanesulfonic acid (PFHxS)	<0.32		2.0	ng/L		03/24/26 05:46	03/24/26 20:31	1
Perfluorohexanoic acid (PFHxA)	<0.46		2.0	ng/L		03/24/26 05:46	03/24/26 20:31	1
Perfluorononanoic acid (PFNA)	<0.40		2.0	ng/L		03/24/26 05:46	03/24/26 20:31	1
Perfluorooctanesulfonic acid (PFOS)	<0.43		2.0	ng/L		03/24/26 05:46	03/24/26 20:31	1
Perfluorooctanoic acid (PFOA)	<0.38		2.0	ng/L		03/24/26 05:46	03/24/26 20:31	1
Perfluoroundecanoic acid (PFUnA)	<0.42		2.0	ng/L		03/24/26 05:46	03/24/26 20:31	1
Perfluorobutanoic acid (PFBA)	<0.69		2.0	ng/L		03/24/26 05:46	03/24/26 20:31	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	<0.38		2.0	ng/L		03/24/26 05:46	03/24/26 20:31	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	<0.37		2.0	ng/L		03/24/26 05:46	03/24/26 20:31	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	<0.48		2.0	ng/L		03/24/26 05:46	03/24/26 20:31	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	<0.47		2.0	ng/L		03/24/26 05:46	03/24/26 20:31	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	<0.25		2.0	ng/L		03/24/26 05:46	03/24/26 20:31	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	<0.46		2.0	ng/L		03/24/26 05:46	03/24/26 20:31	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	<0.15		2.0	ng/L		03/24/26 05:46	03/24/26 20:31	1
Perfluoropentanoic acid (PFPeA)	<0.38		2.0	ng/L		03/24/26 05:46	03/24/26 20:31	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.36		2.0	ng/L		03/24/26 05:46	03/24/26 20:31	1
Perfluoropentanesulfonic acid (PFPeS)	<0.39		2.0	ng/L		03/24/26 05:46	03/24/26 20:31	1

Isotope Dilution	MBL %Recovery	MBL Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	93		50 - 200	03/24/26 05:46	03/24/26 20:31	1
13C6 PFDA	113		50 - 200	03/24/26 05:46	03/24/26 20:31	1
13C5 PFHxA	114		50 - 200	03/24/26 05:46	03/24/26 20:31	1
13C4 PFHpA	104		50 - 200	03/24/26 05:46	03/24/26 20:31	1
13C8 PFOA	114		50 - 200	03/24/26 05:46	03/24/26 20:31	1
13C9 PFNA	117		50 - 200	03/24/26 05:46	03/24/26 20:31	1
13C7 PFUnA	107		50 - 200	03/24/26 05:46	03/24/26 20:31	1
13C2 PFDoA	110		50 - 200	03/24/26 05:46	03/24/26 20:31	1
13C4 PFBA	113		50 - 200	03/24/26 05:46	03/24/26 20:31	1
13C5 PFPeA	116		50 - 200	03/24/26 05:46	03/24/26 20:31	1
13C3 PFBS	116		50 - 200	03/24/26 05:46	03/24/26 20:31	1
13C3 PFHxS	113		50 - 200	03/24/26 05:46	03/24/26 20:31	1

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QC Sample Results

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

Job ID: 380-203665-1
SDG: PFAS: Aiea Wells P2

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

Lab Sample ID: MBL 380-215308/20-A
Matrix: Water
Analysis Batch: 215499

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 215308

<i>Isotope Dilution</i>	<i>MBL</i>	<i>MBL</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
	<i>%Recovery</i>	<i>Qualifier</i>				
13C8 PFOS	113		50 - 200	03/24/26 05:46	03/24/26 20:31	1
13C2-4:2-FTS	137		50 - 200	03/24/26 05:46	03/24/26 20:31	1
13C2-6:2-FTS	130		50 - 200	03/24/26 05:46	03/24/26 20:31	1
13C2-8:2-FTS	139		50 - 200	03/24/26 05:46	03/24/26 20:31	1

Lab Sample ID: LCS 380-215308/22-A
Matrix: Water
Analysis Batch: 215499

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 215308

<i>Analyte</i>	<i>Spike</i>	<i>LCS</i>	<i>LCS</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec</i>
	<i>Added</i>	<i>Result</i>	<i>Qualifier</i>				<i>Limits</i>
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	120	109		ng/L		91	70 - 130
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	120	112		ng/L		93	70 - 130
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	120	113		ng/L		94	70 - 130
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	120	115		ng/L		95	70 - 130
Perfluorobutanesulfonic acid (PFBS)	120	110		ng/L		92	70 - 130
Perfluorodecanoic acid (PFDA)	120	113		ng/L		94	70 - 130
Perfluorododecanoic acid (PFDoA)	120	109		ng/L		91	70 - 130
Perfluoroheptanoic acid (PFHpA)	120	117		ng/L		97	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	120	110		ng/L		91	70 - 130
Perfluorohexanoic acid (PFHxA)	120	104		ng/L		86	70 - 130
Perfluorononanoic acid (PFNA)	120	111		ng/L		93	70 - 130
Perfluorooctanesulfonic acid (PFOS)	120	112		ng/L		94	70 - 130
Perfluorooctanoic acid (PFOA)	120	109		ng/L		91	70 - 130
Perfluoroundecanoic acid (PFUnA)	120	117		ng/L		97	70 - 130
Perfluorobutanoic acid (PFBA)	120	107		ng/L		89	70 - 130
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	120	116		ng/L		97	70 - 130
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	120	119		ng/L		99	70 - 130
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	120	117		ng/L		97	70 - 130
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	120	97.1		ng/L		81	70 - 130
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	120	114		ng/L		94	70 - 130
Perfluoro-3-methoxypropanoic acid (PFMPA)	120	107		ng/L		89	70 - 130
Perfluoro-4-methoxybutanoic acid (PFMBA)	120	113		ng/L		94	70 - 130
Perfluoropentanoic acid (PFPeA)	120	118		ng/L		98	70 - 130
Perfluoroheptanesulfonic acid (PFHpS)	120	114		ng/L		95	70 - 130

QC Sample Results

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

Job ID: 380-203665-1
SDG: PFAS: Aiea Wells P2

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

Lab Sample ID: LCS 380-215308/22-A

Matrix: Water

Analysis Batch: 215499

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 215308

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoropentanesulfonic acid (PFPeS)	120	109		ng/L		90	70 - 130
LCS LCS							
Isotope Dilution	%Recovery	Qualifier	Limits				
13C3 HFPO-DA	99		50 - 200				
13C6 PFDA	116		50 - 200				
13C5 PFHxA	117		50 - 200				
13C4 PFHpA	111		50 - 200				
13C8 PFOA	112		50 - 200				
13C9 PFNA	117		50 - 200				
13C7 PFUnA	112		50 - 200				
13C2 PFDoA	115		50 - 200				
13C4 PFBA	114		50 - 200				
13C5 PFPeA	112		50 - 200				
13C3 PFBS	110		50 - 200				
13C3 PFHxS	111		50 - 200				
13C8 PFOS	108		50 - 200				
13C2-4:2-FTS	116		50 - 200				
13C2-6:2-FTS	113		50 - 200				
13C2-8:2-FTS	117		50 - 200				

Lab Sample ID: MRL 380-215308/21-A

Matrix: Water

Analysis Batch: 215499

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 215308

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.01	2.53	J	ng/L		126	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	2.01	2.88	J	ng/L		143	50 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	2.01	2.40	J	ng/L		120	50 - 150
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	2.01	2.35	J	ng/L		117	50 - 150
Perfluorobutanesulfonic acid (PFBS)	2.01	2.37	J	ng/L		118	50 - 150
Perfluorodecanoic acid (PFDA)	2.01	2.33	J	ng/L		116	50 - 150
Perfluorododecanoic acid (PFDoA)	2.01	2.45	J	ng/L		122	50 - 150
Perfluoroheptanoic acid (PFHpA)	2.01	2.47	J	ng/L		123	50 - 150
Perfluorohexanesulfonic acid (PFHxS)	2.01	2.44	J	ng/L		121	50 - 150
Perfluorohexanoic acid (PFHxA)	2.01	2.23	J	ng/L		111	50 - 150
Perfluorononanoic acid (PFNA)	2.01	2.40	J	ng/L		120	50 - 150
Perfluorooctanesulfonic acid (PFOS)	2.01	2.57	J	ng/L		128	50 - 150
Perfluorooctanoic acid (PFOA)	2.01	2.19	J	ng/L		109	50 - 150
Perfluoroundecanoic acid (PFUnA)	2.01	2.38	J	ng/L		118	50 - 150
Perfluorobutanoic acid (PFBA)	2.01	2.31	J	ng/L		115	50 - 150

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QC Sample Results

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

Job ID: 380-203665-1
SDG: PFAS: Aiea Wells P2

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

Lab Sample ID: MRL 380-215308/21-A
Matrix: Water
Analysis Batch: 215499

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 215308

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	2.01	2.51	J	ng/L		125	50 - 150
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	2.01	2.63	J	ng/L		131	50 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	2.01	2.58	J	ng/L		128	50 - 150
Nonafluoro-3,6-dioxahexanoic acid (NFDHA)	2.01	2.33	J	ng/L		116	50 - 150
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	2.01	2.62	J	ng/L		130	50 - 150
Perfluoro-3-methoxypropanoic acid (PFMPA)	2.01	2.25	J	ng/L		112	50 - 150
Perfluoro-4-methoxybutanoic acid (PFMBA)	2.01	2.40	J	ng/L		120	50 - 150
Perfluoropentanoic acid (PFPeA)	2.01	2.49	J	ng/L		124	50 - 150
Perfluoroheptanesulfonic acid (PFHpS)	2.01	2.51	J	ng/L		125	50 - 150
Perfluoropentanesulfonic acid (PFPeS)	2.01	2.31	J	ng/L		115	50 - 150

Isotope Dilution	MRL %Recovery	MRL Qualifier	MRL Limits
13C3 HFPO-DA	86		50 - 200
13C6 PFDA	111		50 - 200
13C5 PFHxA	110		50 - 200
13C4 PFHpA	112		50 - 200
13C8 PFOA	110		50 - 200
13C9 PFNA	112		50 - 200
13C7 PFUnA	110		50 - 200
13C2 PFDoA	106		50 - 200
13C4 PFBA	112		50 - 200
13C5 PFPeA	114		50 - 200
13C3 PFBS	118		50 - 200
13C3 PFHxS	114		50 - 200
13C8 PFOS	106		50 - 200
13C2-4:2-FTS	131		50 - 200
13C2-6:2-FTS	122		50 - 200
13C2-8:2-FTS	130		50 - 200

Lab Sample ID: 380-203737-B-5-A MS
Matrix: Water
Analysis Batch: 215499

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 215308

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		120	112		ng/L		93	70 - 130
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	<2.0		120	115		ng/L		95	70 - 130
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<2.0		120	112		ng/L		93	70 - 130

QC Sample Results

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

Job ID: 380-203665-1
SDG: PFAS: Aiea Wells P2

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

Lab Sample ID: 380-203737-B-5-A MS

Client Sample ID: Matrix Spike

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 215499

Prep Batch: 215308

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier	Added	Result	Qualifier				
Hexafluoropropylene Oxide	<2.0		120	113		ng/L		94	70 - 130
Dimer Acid (HFPO-DA/GenX)									
Perfluorobutanesulfonic acid (PFBS)	7.5		120	110		ng/L		85	70 - 130
Perfluorodecanoic acid (PFDA)	<2.0		120	122		ng/L		102	70 - 130
Perfluorododecanoic acid (PFDoA)	<2.0		120	116		ng/L		96	70 - 130
Perfluoroheptanoic acid (PFHpA)	<2.0		120	115		ng/L		94	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	6.2		120	120		ng/L		95	70 - 130
Perfluorohexanoic acid (PFHxA)	3.4		120	118		ng/L		95	70 - 130
Perfluorononanoic acid (PFNA)	3.6		120	118		ng/L		95	70 - 130
Perfluorooctanesulfonic acid (PFOS)	20		120	138		ng/L		98	70 - 130
Perfluorooctanoic acid (PFOA)	9.2		120	123		ng/L		94	70 - 130
Perfluoroundecanoic acid (PFUnA)	<2.0		120	112		ng/L		93	70 - 130
Perfluorobutanoic acid (PFBA)	8.9		120	116		ng/L		89	70 - 130
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	<2.0		120	111		ng/L		92	70 - 130
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	<2.0		120	111		ng/L		92	70 - 130
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	<2.0		120	124		ng/L		103	70 - 130
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	<2.0		120	120		ng/L		100	70 - 130
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	<2.0		120	112		ng/L		93	70 - 130
Perfluoro-3-methoxypropanoic acid (PFMPA)	<2.0		120	127		ng/L		105	70 - 130
Perfluoro-4-methoxybutanoic acid (PFMBA)	<2.0		120	132		ng/L		110	70 - 130
Perfluoropentanoic acid (PFPeA)	3.7		120	123		ng/L		99	70 - 130
Perfluoroheptanesulfonic acid (PFHpS)	<2.0		120	119		ng/L		99	70 - 130
Perfluoropentanesulfonic acid (PFPeS)	<2.0		120	115		ng/L		95	70 - 130

Isotope Dilution	MS MS		Limits
	%Recovery	Qualifier	
13C3 HFPO-DA	96		50 - 200
13C6 PFDA	92		50 - 200
13C5 PFHxA	94		50 - 200
13C4 PFHpA	95		50 - 200
13C8 PFOA	92		50 - 200
13C9 PFNA	93		50 - 200
13C7 PFUnA	94		50 - 200
13C2 PFDoA	96		50 - 200
13C4 PFBA	111		50 - 200
13C5 PFPeA	125		50 - 200
13C3 PFBS	112		50 - 200
13C3 PFHxS	109		50 - 200
13C8 PFOS	104		50 - 200

QC Sample Results

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

Job ID: 380-203665-1
SDG: PFAS: Aiea Wells P2

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

Lab Sample ID: 380-203737-B-5-A MS
Matrix: Water
Analysis Batch: 215499

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 215308

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>MS MS Qualifier</i>	<i>Limits</i>
13C2-4:2-FTS	126		50 - 200
13C2-6:2-FTS	119		50 - 200
13C2-8:2-FTS	127		50 - 200

Lab Sample ID: 380-203737-C-5-A MSD
Matrix: Water
Analysis Batch: 215499

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 215308

<i>Analyte</i>	<i>Sample Result</i>	<i>Sample Qualifier</i>	<i>Spike Added</i>	<i>MSD Result</i>	<i>MSD Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec Limits</i>	<i>RPD</i>	<i>RPD Limit</i>
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	<2.0		120	107		ng/L		89	70 - 130	5	30
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	<2.0		120	109		ng/L		90	70 - 130	5	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<2.0		120	113		ng/L		94	70 - 130	1	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	<2.0		120	101		ng/L		84	70 - 130	11	30
Perfluorobutanesulfonic acid (PFBS)	7.5		120	115		ng/L		89	70 - 130	4	30
Perfluorodecanoic acid (PFDA)	<2.0		120	109		ng/L		91	70 - 130	11	30
Perfluorododecanoic acid (PFDoA)	<2.0		120	111		ng/L		92	70 - 130	4	30
Perfluoroheptanoic acid (PFHpA)	<2.0		120	110		ng/L		90	70 - 130	4	30
Perfluorohexanesulfonic acid (PFHxS)	6.2		120	113		ng/L		89	70 - 130	6	30
Perfluorohexanoic acid (PFHxA)	3.4		120	117		ng/L		94	70 - 130	1	30
Perfluorononanoic acid (PFNA)	3.6		120	114		ng/L		92	70 - 130	4	30
Perfluorooctanesulfonic acid (PFOS)	20		120	134		ng/L		94	70 - 130	3	30
Perfluorooctanoic acid (PFOA)	9.2		120	111		ng/L		84	70 - 130	10	30
Perfluoroundecanoic acid (PFUnA)	<2.0		120	111		ng/L		93	70 - 130	1	30
Perfluorobutanoic acid (PFBA)	8.9		120	113		ng/L		87	70 - 130	3	30
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	<2.0		120	105		ng/L		87	70 - 130	5	30
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	<2.0		120	109		ng/L		90	70 - 130	2	30
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	<2.0		120	113		ng/L		94	70 - 130	9	30
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	<2.0		120	118		ng/L		98	70 - 130	2	30
Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA)	<2.0		120	108		ng/L		90	70 - 130	3	30
Perfluoro-3-methoxypropanoic acid (PFMPA)	<2.0		120	123		ng/L		102	70 - 130	3	30
Perfluoro-4-methoxybutanoic acid (PFMBA)	<2.0		120	127		ng/L		105	70 - 130	4	30
Perfluoropentanoic acid (PFPeA)	3.7		120	123		ng/L		99	70 - 130	0	30
Perfluoroheptanesulfonic acid (PFHpS)	<2.0		120	112		ng/L		92	70 - 130	7	30
Perfluoropentanesulfonic acid (PFPeS)	<2.0		120	110		ng/L		90	70 - 130	5	30

QC Sample Results

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

Job ID: 380-203665-1
SDG: PFAS: Aiea Wells P2

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

Isotope Dilution	MSD MSD		Limits
	%Recovery	Qualifier	
13C3 HFPO-DA	108		50 - 200
13C6 PFDA	110		50 - 200
13C5 PFHxA	99		50 - 200
13C4 PFHpA	103		50 - 200
13C8 PFOA	105		50 - 200
13C9 PFNA	106		50 - 200
13C7 PFUnA	106		50 - 200
13C2 PFDoA	107		50 - 200
13C4 PFBA	118		50 - 200
13C5 PFPeA	132		50 - 200
13C3 PFBS	113		50 - 200
13C3 PFHxS	117		50 - 200
13C8 PFOS	110		50 - 200
13C2-4:2-FTS	120		50 - 200
13C2-6:2-FTS	120		50 - 200
13C2-8:2-FTS	130		50 - 200

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

Lab Sample ID: MBL 380-214630/21-A
Matrix: Water
Analysis Batch: 214964

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 214630

Analyte	MBL MBL		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	<1.0		2.0	ng/L		03/20/26 10:10	03/22/26 13:55	1
Perfluorooctanesulfonic acid (PFOS)	<0.43		2.0	ng/L		03/20/26 10:10	03/22/26 13:55	1
Perfluoroundecanoic acid (PFUnA)	<0.42		2.0	ng/L		03/20/26 10:10	03/22/26 13:55	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<0.58		2.0	ng/L		03/20/26 10:10	03/22/26 13:55	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<0.42		2.0	ng/L		03/20/26 10:10	03/22/26 13:55	1
Perfluorohexanoic acid (PFHxA)	<0.46		2.0	ng/L		03/20/26 10:10	03/22/26 13:55	1
Perfluorododecanoic acid (PFDoA)	<0.54		2.0	ng/L		03/20/26 10:10	03/22/26 13:55	1
Perfluorooctanoic acid (PFOA)	<0.38		2.0	ng/L		03/20/26 10:10	03/22/26 13:55	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	ng/L		03/20/26 10:10	03/22/26 13:55	1
Perfluorohexanesulfonic acid (PFHxS)	<0.32		2.0	ng/L		03/20/26 10:10	03/22/26 13:55	1
Perfluorobutanesulfonic acid (PFBS)	<0.37		2.0	ng/L		03/20/26 10:10	03/22/26 13:55	1
Perfluoroheptanoic acid (PFHpA)	<0.39		2.0	ng/L		03/20/26 10:10	03/22/26 13:55	1
Perfluorononanoic acid (PFNA)	<0.40		2.0	ng/L		03/20/26 10:10	03/22/26 13:55	1
Perfluorotetradecanoic acid (PFTA)	<0.54		2.0	ng/L		03/20/26 10:10	03/22/26 13:55	1
Perfluorotridecanoic acid (PFTTrDA)	<0.36		2.0	ng/L		03/20/26 10:10	03/22/26 13:55	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	<0.30		2.0	ng/L		03/20/26 10:10	03/22/26 13:55	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	<0.30		2.0	ng/L		03/20/26 10:10	03/22/26 13:55	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.60		2.0	ng/L		03/20/26 10:10	03/22/26 13:55	1
Surrogate	MBL MBL		Limits			Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier						
d5-NEtFOSAA	114		70 - 130			03/20/26 10:10	03/22/26 13:55	1
13C2 PFHxA	109		70 - 130			03/20/26 10:10	03/22/26 13:55	1
13C2 PFDA	114		70 - 130			03/20/26 10:10	03/22/26 13:55	1

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QC Sample Results

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

Job ID: 380-203665-1
SDG: PFAS: Aiea Wells P2

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

Lab Sample ID: MBL 380-214630/21-A
Matrix: Water
Analysis Batch: 214964

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 214630

<i>Surrogate</i>	<i>MBL</i>	<i>MBL</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C3-GenX	107	Qualifier	70 - 130	03/20/26 10:10	03/22/26 13:55	1

Lab Sample ID: LCS 380-214630/23-A
Matrix: Water
Analysis Batch: 214964

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 214630

<i>Analyte</i>	<i>Spike</i>	<i>LCS</i>	<i>LCS</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec</i>
<i>Analyte</i>	<i>Added</i>	<i>Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>Limits</i>
Hexafluoropropylene Oxide	25.1	22.6		ng/L		90	70 - 130
Dimer Acid (HFPO-DA/GenX)							
Perfluorooctanesulfonic acid (PFOS)	25.1	24.3		ng/L		97	70 - 130
Perfluoroundecanoic acid (PFUnA)	25.1	25.8		ng/L		103	70 - 130
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	25.1	24.8		ng/L		99	70 - 130
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	25.1	25.0		ng/L		100	70 - 130
Perfluorohexanoic acid (PFHxA)	25.1	23.6		ng/L		94	70 - 130
Perfluorododecanoic acid (PFDoA)	25.1	25.1		ng/L		100	70 - 130
Perfluorooctanoic acid (PFOA)	25.1	25.1		ng/L		100	70 - 130
Perfluorodecanoic acid (PFDA)	25.1	25.4		ng/L		101	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	25.1	24.7		ng/L		98	70 - 130
Perfluorobutanesulfonic acid (PFBS)	25.1	24.6		ng/L		98	70 - 130
Perfluoroheptanoic acid (PFHpA)	25.1	24.1		ng/L		96	70 - 130
Perfluorononanoic acid (PFNA)	25.1	25.5		ng/L		102	70 - 130
Perfluorotetradecanoic acid (PFTA)	25.1	25.1		ng/L		100	70 - 130
Perfluorotridecanoic acid (PFTrDA)	25.1	26.4		ng/L		105	70 - 130
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	25.1	24.4		ng/L		98	70 - 130
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	25.1	23.5		ng/L		94	70 - 130
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	25.1	23.0		ng/L		92	70 - 130

<i>Surrogate</i>	<i>LCS</i>	<i>LCS</i>	<i>Limits</i>
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
d5-NEtFOSAA	101		70 - 130
13C2 PFHxA	102		70 - 130
13C2 PFDA	108		70 - 130
13C3-GenX	95		70 - 130

QC Sample Results

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

Job ID: 380-203665-1
SDG: PFAS: Aiea Wells P2

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

Lab Sample ID: MRL 380-214630/24-A
Matrix: Water
Analysis Batch: 214964

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 214630

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	2.00	1.99	J	ng/L		99	50 - 150
Perfluorooctanesulfonic acid (PFOS)	2.00	2.17	J	ng/L		109	50 - 150
Perfluoroundecanoic acid (PFUnA)	2.00	2.12	J	ng/L		106	50 - 150
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.05	J	ng/L		103	50 - 150
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	2.17	J	ng/L		109	50 - 150
Perfluorohexanoic acid (PFHxA)	2.00	2.10	J	ng/L		105	50 - 150
Perfluorododecanoic acid (PFDoA)	2.00	2.08	J	ng/L		104	50 - 150
Perfluorooctanoic acid (PFOA)	2.00	2.23	J	ng/L		111	50 - 150
Perfluorodecanoic acid (PFDA)	2.00	2.06	J	ng/L		103	50 - 150
Perfluorohexanesulfonic acid (PFHxS)	2.00	2.19	J	ng/L		110	50 - 150
Perfluorobutanesulfonic acid (PFBS)	2.00	1.94	J	ng/L		97	50 - 150
Perfluoroheptanoic acid (PFHpA)	2.00	2.11	J	ng/L		106	50 - 150
Perfluorononanoic acid (PFNA)	2.00	2.23	J	ng/L		112	50 - 150
Perfluorotetradecanoic acid (PFTA)	2.00	2.06	J	ng/L		103	50 - 150
Perfluorotridecanoic acid (PFTrDA)	2.00	2.19	J	ng/L		109	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	2.00	2.00	J	ng/L		100	50 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.00	1.95	J	ng/L		98	50 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	2.00	2.14	J	ng/L		107	50 - 150

Surrogate	MRL %Recovery	MRL Qualifier	Limits
d5-NEtFOSAA	106		70 - 130
13C2 PFHxA	105		70 - 130
13C2 PFDA	108		70 - 130
13C3-GenX	103		70 - 130

Lab Sample ID: 380-203663-E-1-A MS
Matrix: Water
Analysis Batch: 214964

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 214630

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		25.2	24.3		ng/L		97	70 - 130
Perfluorooctanesulfonic acid (PFOS)	<2.0		25.2	24.7		ng/L		98	70 - 130
Perfluoroundecanoic acid (PFUnA)	<2.0		25.2	25.9		ng/L		103	70 - 130
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<2.0		25.2	26.0		ng/L		103	70 - 130

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QC Association Summary

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

Job ID: 380-203665-1
 SDG: PFAS: Aiea Wells P2

LCMS

Prep Batch: 214630

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-203665-1	AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Water	537.1 DW	
380-203665-2	FB: AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Water	537.1 DW	
MBL 380-214630/21-A	Method Blank	Total/NA	Water	537.1 DW	
LCS 380-214630/23-A	Lab Control Sample	Total/NA	Water	537.1 DW	
MRL 380-214630/24-A	Lab Control Sample	Total/NA	Water	537.1 DW	
380-203663-E-1-A MS	Matrix Spike	Total/NA	Water	537.1 DW	
380-203663-F-1-A MSD	Matrix Spike Duplicate	Total/NA	Water	537.1 DW	

Analysis Batch: 214964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-203665-1	AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Water	EPA 537.1 V2	214630
380-203665-2	FB: AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Water	EPA 537.1 V2	214630
MBL 380-214630/21-A	Method Blank	Total/NA	Water	EPA 537.1 V2	214630
LCS 380-214630/23-A	Lab Control Sample	Total/NA	Water	EPA 537.1 V2	214630
MRL 380-214630/24-A	Lab Control Sample	Total/NA	Water	EPA 537.1 V2	214630
380-203663-E-1-A MS	Matrix Spike	Total/NA	Water	EPA 537.1 V2	214630
380-203663-F-1-A MSD	Matrix Spike Duplicate	Total/NA	Water	EPA 537.1 V2	214630

Prep Batch: 215308

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-203665-1	AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Water	533	
380-203665-2	FB: AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Water	533	
MBL 380-215308/20-A	Method Blank	Total/NA	Water	533	
LCS 380-215308/22-A	Lab Control Sample	Total/NA	Water	533	
MRL 380-215308/21-A	Lab Control Sample	Total/NA	Water	533	
380-203737-B-5-A MS	Matrix Spike	Total/NA	Water	533	
380-203737-C-5-A MSD	Matrix Spike Duplicate	Total/NA	Water	533	

Analysis Batch: 215499

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-203665-1	AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Water	533	215308
380-203665-2	FB: AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Water	533	215308
MBL 380-215308/20-A	Method Blank	Total/NA	Water	533	215308
LCS 380-215308/22-A	Lab Control Sample	Total/NA	Water	533	215308
MRL 380-215308/21-A	Lab Control Sample	Total/NA	Water	533	215308
380-203737-B-5-A MS	Matrix Spike	Total/NA	Water	533	215308
380-203737-C-5-A MSD	Matrix Spike Duplicate	Total/NA	Water	533	215308

Lab Chronicle

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

Job ID: 380-203665-1
SDG: PFAS: Aiea Wells P2

Client Sample ID: AIEA WELLS P2 (260) (331-004-WL103)

Lab Sample ID: 380-203665-1

Date Collected: 03/16/26 11:46

Matrix: Water

Date Received: 03/18/26 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			215308	XTD8	EA POM	03/24/26 05:46
Total/NA	Analysis	533		1	215499	Y5FM	EA POM	03/24/26 23:04
Total/NA	Prep	537.1 DW			214630	E9PK	EA POM	03/20/26 10:10
Total/NA	Analysis	EPA 537.1 V2		1	214964	M7ML	EA POM	03/22/26 15:49

Client Sample ID: FB: AIEA WELLS P2 (260) (331-004-WL103)

Lab Sample ID: 380-203665-2

Date Collected: 03/16/26 11:46

Matrix: Water

Date Received: 03/18/26 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			215308	XTD8	EA POM	03/24/26 05:46
Total/NA	Analysis	533		1	215499	Y5FM	EA POM	03/24/26 23:14
Total/NA	Prep	537.1 DW			214630	E9PK	EA POM	03/20/26 10:10
Total/NA	Analysis	EPA 537.1 V2		1	214964	M7ML	EA POM	03/22/26 15:59

Laboratory References:

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

Accreditation/Certification Summary

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

Job ID: 380-203665-1
SDG: PFAS: Aiea Wells P2

Laboratory: Eurofins Pomona

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

Authority	Program	Identification Number	Expiration Date
Hawaii	State	CA00006	01-31-26 *

- 1
- 2
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* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

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

Job ID: 380-203665-1
SDG: PFAS: Aiea Wells P2

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

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

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



Sample Summary

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

Job ID: 380-203665-1
SDG: PFAS: Aiea Wells P2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	PWSID Number
380-203665-1	AIEA WELLS P2 (260) (331-004-WL103)	Water	03/16/26 11:46	03/18/26 10:20	HI0000331
380-203665-2	FB: AIEA WELLS P2 (260) (331-004-WL103)	Water	03/16/26 11:46	03/18/26 10:20	HI0000331

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Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-203665-1
SDG Number: PFAS: Aiea Wells P2

Login Number: 203665

List Number: 1

Creator: Del Rosario, Michael

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").	N/A	
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	

