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ANALYTICAL REPORT

PREPARED FOR

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City & County of Honolulu
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Honolulu, Hawaii 96843

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JOB DESCRIPTION

RED-HILL
PFAS: Ka'amilo Wells P1/P2, Aiea Wells Pumps 1&2 P2

JOB NUMBER

380-186132-1

Eurofins Eaton Analytical Pomona
941 Corporate Center Drive
Pomona CA 91768-2642

See page two for job notes and contact information.

Eurofins Eaton Analytical 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 Eaton Analytical, LLC Project Manager.

Compliance Statement

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

Authorization

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Authorized for release by
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Definitions/Glossary

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

Job ID: 380-186132-1
SDG: PFAS: Ka'amilo Wells P1/P2, Aiea Wells Pumps 1&2 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

Job Narrative
380-186132-1

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 12/4/2025 10:25 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.3°C.

PFAS
EPA 537.1 and EPA 533 are two distinct methods for the analysis of PFAS in drinking water. The analyses are conducted on differing instrumentation, with calibrations, extraction solvents and sample preservatives being dissimilar among the two methods. Therefore it is probable and not unexpected to see the methods having slight variations in analytical results: Ka'amilo Wells P1 (380-186132-1) . XWB4

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

Detection Summary

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

Job ID: 380-186132-1
SDG: PFAS: Ka'amilo Wells P1/P2, Aiea Wells Pumps 1&2 P2

Client Sample ID: Ka'amilo Wells P1 — Lab Sample ID: 380-186132-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	3.0		2.0		ng/L	1		533	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	3.5		2.0		ng/L	1		533	Total/NA
Perfluorohexanoic acid (PFHxA)	3.9		2.0		ng/L	1		533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	4.5		2.0		ng/L	1		533	Total/NA
Perfluorooctanoic acid (PFOA)	3.9		2.0		ng/L	1		533	Total/NA
Perfluoropentanoic acid (PFPeA)	4.1		2.0		ng/L	1		533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	5.3		2.0		ng/L	1		537.1	Total/NA
Perfluorohexanoic acid (PFHxA)	4.0		2.0		ng/L	1		537.1	Total/NA
Perfluorooctanoic acid (PFOA)	4.2		2.0		ng/L	1		537.1	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	4.1		2.0		ng/L	1		537.1	Total/NA
Perfluorobutanesulfonic acid (PFBS)	3.5		2.0		ng/L	1		537.1	Total/NA
Perfluoroheptanoic acid (PFHpA)	2.0		2.0		ng/L	1		537.1	Total/NA

Client Sample ID: FB: Ka'amilo Wells P1 — Lab Sample ID: 380-186132-2

No Detections.

Client Sample ID: Ka'amilo Wells P2 — Lab Sample ID: 380-186132-3

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	3.0		2.0		ng/L	1		533	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	3.5		2.0		ng/L	1		533	Total/NA
Perfluorohexanoic acid (PFHxA)	4.1		2.0		ng/L	1		533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	4.0		2.0		ng/L	1		533	Total/NA
Perfluorooctanoic acid (PFOA)	3.9		2.0		ng/L	1		533	Total/NA
Perfluoropentanoic acid (PFPeA)	4.1		2.0		ng/L	1		533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	5.0		2.0		ng/L	1		537.1	Total/NA
Perfluorohexanoic acid (PFHxA)	4.1		2.0		ng/L	1		537.1	Total/NA
Perfluorooctanoic acid (PFOA)	4.0		2.0		ng/L	1		537.1	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	4.1		2.0		ng/L	1		537.1	Total/NA
Perfluorobutanesulfonic acid (PFBS)	3.3		2.0		ng/L	1		537.1	Total/NA

Client Sample ID: FB: Ka'amilo Wells P2 — Lab Sample ID: 380-186132-4

No Detections.

Client Sample ID: AIEA WELLS PUMPS 1&2 P2 (260) (331-203-TP400) — Lab Sample ID: 380-186132-5

No Detections.

Client Sample ID: FB: AIEA WELLS PUMPS 1&2 (260) (331-203-TP400) — Lab Sample ID: 380-186132-6

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Eaton Analytical Pomona

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

Job ID: 380-186132-1
SDG: PFAS: Ka'amilo Wells P1/P2, Aiea Wells Pumps 1&2 P2

Client Sample ID: Ka'amilo Wells P1

Date Collected: 12/02/25 10:59
Date Received: 12/04/25 10:25

Lab Sample ID: 380-186132-1

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:16	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:16	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:16	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:16	1
Perfluorobutanesulfonic acid (PFBS)	**3.0**		2.0		ng/L		12/07/25 16:27	12/08/25 11:16	1
Perfluorodecanoic acid (PFDA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:16	1
Perfluorododecanoic acid (PFDoA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:16	1
Perfluoroheptanoic acid (PFHpA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:16	1
Perfluorohexanesulfonic acid (PFHxS)	**3.5**		2.0		ng/L		12/07/25 16:27	12/08/25 11:16	1
Perfluorohexanoic acid (PFHxA)	**3.9**		2.0		ng/L		12/07/25 16:27	12/08/25 11:16	1
Perfluorononanoic acid (PFNA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:16	1
Perfluorooctanesulfonic acid (PFOS)	**4.5**		2.0		ng/L		12/07/25 16:27	12/08/25 11:16	1
Perfluorooctanoic acid (PFOA)	**3.9**		2.0		ng/L		12/07/25 16:27	12/08/25 11:16	1
Perfluoroundecanoic acid (PFUnA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:16	1
Perfluorobutanoic acid (PFBA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:16	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:16	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:16	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:16	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:16	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:16	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:16	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:16	1
Perfluoropentanoic acid (PFPeA)	**4.1**		2.0		ng/L		12/07/25 16:27	12/08/25 11:16	1
Perfluoroheptanesulfonic acid (PFHpS)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:16	1
Perfluoropentanesulfonic acid (PFPeS)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:16	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C3 HFPO-DA	*101*		*50 - 200*	*12/07/25 16:27*	*12/08/25 11:16*	*1*
13C6 PFDA	*104*		*50 - 200*	*12/07/25 16:27*	*12/08/25 11:16*	*1*
13C5 PFHxA	*107*		*50 - 200*	*12/07/25 16:27*	*12/08/25 11:16*	*1*
13C4 PFHpA	*113*		*50 - 200*	*12/07/25 16:27*	*12/08/25 11:16*	*1*
13C8 PFOA	*110*		*50 - 200*	*12/07/25 16:27*	*12/08/25 11:16*	*1*
13C9 PFNA	*113*		*50 - 200*	*12/07/25 16:27*	*12/08/25 11:16*	*1*
13C7 PFUnA	*109*		*50 - 200*	*12/07/25 16:27*	*12/08/25 11:16*	*1*
13C2 PFDoA	*105*		*50 - 200*	*12/07/25 16:27*	*12/08/25 11:16*	*1*
13C4 PFBA	*107*		*50 - 200*	*12/07/25 16:27*	*12/08/25 11:16*	*1*
13C5 PFPeA	*105*		*50 - 200*	*12/07/25 16:27*	*12/08/25 11:16*	*1*
13C3 PFBS	*114*		*50 - 200*	*12/07/25 16:27*	*12/08/25 11:16*	*1*

Client Sample ID: Ka'amilo Wells P1

Lab Sample ID: 380-186132-1
Date Collected: 12/02/25 10:59
Matrix: Water
Date Received: 12/04/25 10:25

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

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C3 PFHxS	*113*		*50 - 200*	*12/07/25 16:27*	*12/08/25 11:16*	*1*
13C8 PFOS	*113*		*50 - 200*	*12/07/25 16:27*	*12/08/25 11:16*	*1*
13C2-4:2-FTS	*133*		*50 - 200*	*12/07/25 16:27*	*12/08/25 11:16*	*1*
13C2-6:2-FTS	*127*		*50 - 200*	*12/07/25 16:27*	*12/08/25 11:16*	*1*
13C2-8:2-FTS	*120*		*50 - 200*	*12/07/25 16:27*	*12/08/25 11:16*	*1*

Method: EPA 537.1 - Perfluorinated Alkyl Acids (LC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	<2.0		2.0	ng/L		12/08/25 03:26	12/08/25 18:43	1
Perfluorooctanesulfonic acid (PFOS)	**5.3**		2.0	ng/L		12/08/25 03:26	12/08/25 18:43	1
Perfluoroundecanoic acid (PFUnA)	<2.0		2.0	ng/L		12/08/25 03:26	12/08/25 18:43	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<2.0		2.0	ng/L		12/08/25 03:26	12/08/25 18:43	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<2.0		2.0	ng/L		12/08/25 03:26	12/08/25 18:43	1
Perfluorohexanoic acid (PFHxA)	**4.0**		2.0	ng/L		12/08/25 03:26	12/08/25 18:43	1
Perfluorododecanoic acid (PFDoA)	<2.0		2.0	ng/L		12/08/25 03:26	12/08/25 18:43	1
Perfluorooctanoic acid (PFOA)	**4.2**		2.0	ng/L		12/08/25 03:26	12/08/25 18:43	1
Perfluorodecanoic acid (PFDA)	<2.0		2.0	ng/L		12/08/25 03:26	12/08/25 18:43	1
Perfluorohexanesulfonic acid (PFHxS)	**4.1**		2.0	ng/L		12/08/25 03:26	12/08/25 18:43	1
Perfluorobutanesulfonic acid (PFBS)	**3.5**		2.0	ng/L		12/08/25 03:26	12/08/25 18:43	1
Perfluoroheptanoic acid (PFHpA)	**2.0**		2.0	ng/L		12/08/25 03:26	12/08/25 18:43	1
Perfluorononanoic acid (PFNA)	<2.0		2.0	ng/L		12/08/25 03:26	12/08/25 18:43	1
Perfluorotetradecanoic acid (PFTA)	<2.0		2.0	ng/L		12/08/25 03:26	12/08/25 18:43	1
Perfluorotridecanoic acid (PFTrDA)	<2.0		2.0	ng/L		12/08/25 03:26	12/08/25 18:43	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	<2.0		2.0	ng/L		12/08/25 03:26	12/08/25 18:43	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	<2.0		2.0	ng/L		12/08/25 03:26	12/08/25 18:43	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<2.0		2.0	ng/L		12/08/25 03:26	12/08/25 18:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*108*		*70 - 130*	*12/08/25 03:26*	*12/08/25 18:43*	*1*
13C2 PFHxA	*105*		*70 - 130*	*12/08/25 03:26*	*12/08/25 18:43*	*1*
13C2 PFDA	*109*		*70 - 130*	*12/08/25 03:26*	*12/08/25 18:43*	*1*
13C3-GenX	*107*		*70 - 130*	*12/08/25 03:26*	*12/08/25 18:43*	*1*

Client Sample ID: FB: Ka'amilo Wells P1

Lab Sample ID: 380-186132-2
Date Collected: 12/02/25 10:59
Matrix: Water
Date Received: 12/04/25 10:25

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		12/07/25 16:27	12/08/25 11:35	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	<2.0		2.0	ng/L		12/07/25 16:27	12/08/25 11:35	1

Client Sample ID: FB: Ka'amilo Wells P1

Date Collected: 12/02/25 10:59
Date Received: 12/04/25 10:25

Lab Sample ID: 380-186132-2

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:35	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:35	1
Perfluorobutanesulfonic acid (PFBS)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:35	1
Perfluorodecanoic acid (PFDA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:35	1
Perfluorododecanoic acid (PFDoA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:35	1
Perfluoroheptanoic acid (PFHpA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:35	1
Perfluorohexanesulfonic acid (PFHxS)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:35	1
Perfluorohexanoic acid (PFHxA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:35	1
Perfluorononanoic acid (PFNA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:35	1
Perfluorooctanesulfonic acid (PFOS)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:35	1
Perfluorooctanoic acid (PFOA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:35	1
Perfluoroundecanoic acid (PFUnA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:35	1
Perfluorobutanoic acid (PFBA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:35	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:35	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:35	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:35	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:35	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:35	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:35	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:35	1
Perfluoropentanoic acid (PFPeA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:35	1
Perfluoroheptanesulfonic acid (PFHpS)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:35	1
Perfluoropentanesulfonic acid (PFPeS)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:35	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C3 HFPO-DA	*102*		*50 - 200*	*12/07/25 16:27*	*12/08/25 11:35*	*1*
13C6 PFDA	*108*		*50 - 200*	*12/07/25 16:27*	*12/08/25 11:35*	*1*
13C5 PFHxA	*110*		*50 - 200*	*12/07/25 16:27*	*12/08/25 11:35*	*1*
13C4 PFHpA	*111*		*50 - 200*	*12/07/25 16:27*	*12/08/25 11:35*	*1*
13C8 PFOA	*114*		*50 - 200*	*12/07/25 16:27*	*12/08/25 11:35*	*1*
13C9 PFNA	*112*		*50 - 200*	*12/07/25 16:27*	*12/08/25 11:35*	*1*
13C7 PFUnA	*110*		*50 - 200*	*12/07/25 16:27*	*12/08/25 11:35*	*1*
13C2 PFDoA	*107*		*50 - 200*	*12/07/25 16:27*	*12/08/25 11:35*	*1*
13C4 PFBA	*110*		*50 - 200*	*12/07/25 16:27*	*12/08/25 11:35*	*1*
13C5 PFPeA	*106*		*50 - 200*	*12/07/25 16:27*	*12/08/25 11:35*	*1*
13C3 PFBS	*119*		*50 - 200*	*12/07/25 16:27*	*12/08/25 11:35*	*1*
13C3 PFHxS	*116*		*50 - 200*	*12/07/25 16:27*	*12/08/25 11:35*	*1*
13C8 PFOS	*116*		*50 - 200*	*12/07/25 16:27*	*12/08/25 11:35*	*1*
13C2-4:2-FTS	*132*		*50 - 200*	*12/07/25 16:27*	*12/08/25 11:35*	*1*
13C2-6:2-FTS	*132*		*50 - 200*	*12/07/25 16:27*	*12/08/25 11:35*	*1*
13C2-8:2-FTS	*126*		*50 - 200*	*12/07/25 16:27*	*12/08/25 11:35*	*1*

Client Sample ID: FB: Ka'amilo Wells P1

Lab Sample ID: 380-186132-2

Date Collected: 12/02/25 10:59
Matrix: Water
Date Received: 12/04/25 10:25

Method: EPA 537.1 - Perfluorinated Alkyl Acids (LC/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 18:53	1
Perfluorooctanesulfonic acid (PFOS)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 18:53	1
Perfluoroundecanoic acid (PFUnA)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 18:53	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 18:53	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 18:53	1
Perfluorohexanoic acid (PFHxA)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 18:53	1
Perfluorododecanoic acid (PFDoA)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 18:53	1
Perfluorooctanoic acid (PFOA)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 18:53	1
Perfluorodecanoic acid (PFDA)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 18:53	1
Perfluorohexanesulfonic acid (PFHxS)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 18:53	1
Perfluorobutanesulfonic acid (PFBS)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 18:53	1
Perfluoroheptanoic acid (PFHpA)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 18:53	1
Perfluorononanoic acid (PFNA)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 18:53	1
Perfluorotetradecanoic acid (PFTA)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 18:53	1
Perfluorotridecanoic acid (PFTrDA)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 18:53	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 18:53	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 18:53	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 18:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*102*		*70 - 130*	*12/08/25 03:26*	*12/08/25 18:53*	*1*
13C2 PFHxA	*95*		*70 - 130*	*12/08/25 03:26*	*12/08/25 18:53*	*1*
13C2 PFDA	*105*		*70 - 130*	*12/08/25 03:26*	*12/08/25 18:53*	*1*
13C3-GenX	*90*		*70 - 130*	*12/08/25 03:26*	*12/08/25 18:53*	*1*

Client Sample ID: Ka'amilo Wells P2

Lab Sample ID: 380-186132-3

Date Collected: 12/02/25 11:44
Matrix: Water
Date Received: 12/04/25 10:25

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		12/07/25 16:27	12/08/25 11:45	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:45	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:45	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:45	1
Perfluorobutanesulfonic acid (PFBS)	**3.0**		2.0		ng/L		12/07/25 16:27	12/08/25 11:45	1
Perfluorodecanoic acid (PFDA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:45	1
Perfluorododecanoic acid (PFDoA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:45	1
Perfluoroheptanoic acid (PFHpA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:45	1
Perfluorohexanesulfonic acid (PFHxS)	**3.5**		2.0		ng/L		12/07/25 16:27	12/08/25 11:45	1
Perfluorohexanoic acid (PFHxA)	**4.1**		2.0		ng/L		12/07/25 16:27	12/08/25 11:45	1

Client Sample ID: Ka'amilo Wells P2

Date Collected: 12/02/25 11:44
Date Received: 12/04/25 10:25

Lab Sample ID: 380-186132-3

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorononanoic acid (PFNA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:45	1
Perfluorooctanesulfonic acid (PFOS)	**4.0**		2.0		ng/L		12/07/25 16:27	12/08/25 11:45	1
Perfluorooctanoic acid (PFOA)	**3.9**		2.0		ng/L		12/07/25 16:27	12/08/25 11:45	1
Perfluoroundecanoic acid (PFUnA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:45	1
Perfluorobutanoic acid (PFBA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:45	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:45	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:45	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:45	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:45	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:45	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:45	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:45	1
Perfluoropentanoic acid (PFPeA)	**4.1**		2.0		ng/L		12/07/25 16:27	12/08/25 11:45	1
Perfluoroheptanesulfonic acid (PFHpS)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:45	1
Perfluoropentanesulfonic acid (PFPeS)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:45	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C3 HFPO-DA	*104*		*50 - 200*	*12/07/25 16:27*	*12/08/25 11:45*	*1*
13C6 PFDA	*110*		*50 - 200*	*12/07/25 16:27*	*12/08/25 11:45*	*1*
13C5 PFHxA	*108*		*50 - 200*	*12/07/25 16:27*	*12/08/25 11:45*	*1*
13C4 PFHpA	*112*		*50 - 200*	*12/07/25 16:27*	*12/08/25 11:45*	*1*
13C8 PFOA	*109*		*50 - 200*	*12/07/25 16:27*	*12/08/25 11:45*	*1*
13C9 PFNA	*112*		*50 - 200*	*12/07/25 16:27*	*12/08/25 11:45*	*1*
13C7 PFUnA	*109*		*50 - 200*	*12/07/25 16:27*	*12/08/25 11:45*	*1*
13C2 PFDoA	*106*		*50 - 200*	*12/07/25 16:27*	*12/08/25 11:45*	*1*
13C4 PFBA	*106*		*50 - 200*	*12/07/25 16:27*	*12/08/25 11:45*	*1*
13C5 PFPeA	*105*		*50 - 200*	*12/07/25 16:27*	*12/08/25 11:45*	*1*
13C3 PFBS	*111*		*50 - 200*	*12/07/25 16:27*	*12/08/25 11:45*	*1*
13C3 PFHxS	*109*		*50 - 200*	*12/07/25 16:27*	*12/08/25 11:45*	*1*
13C8 PFOS	*112*		*50 - 200*	*12/07/25 16:27*	*12/08/25 11:45*	*1*
13C2-4:2-FTS	*121*		*50 - 200*	*12/07/25 16:27*	*12/08/25 11:45*	*1*
13C2-6:2-FTS	*122*		*50 - 200*	*12/07/25 16:27*	*12/08/25 11:45*	*1*
13C2-8:2-FTS	*119*		*50 - 200*	*12/07/25 16:27*	*12/08/25 11:45*	*1*

Method: EPA 537.1 - Perfluorinated Alkyl Acids (LC/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:03	1
Perfluorooctanesulfonic acid (PFOS)	**5.0**		2.0		ng/L		12/08/25 03:26	12/08/25 19:03	1
Perfluoroundecanoic acid (PFUnA)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:03	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:03	1

Client Sample ID: Ka'amilo Wells P2

Lab Sample ID: 380-186132-3

Date Collected: 12/02/25 11:44
Matrix: Water
Date Received: 12/04/25 10:25

Method: EPA 537.1 - Perfluorinated Alkyl Acids (LC/MS) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:03	1
Perfluorohexanoic acid (PFHxA)	**4.1**		2.0		ng/L		12/08/25 03:26	12/08/25 19:03	1
Perfluorododecanoic acid (PFDoA)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:03	1
Perfluorooctanoic acid (PFOA)	**4.0**		2.0		ng/L		12/08/25 03:26	12/08/25 19:03	1
Perfluorodecanoic acid (PFDA)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:03	1
Perfluorohexanesulfonic acid (PFHxS)	**4.1**		2.0		ng/L		12/08/25 03:26	12/08/25 19:03	1
Perfluorobutanesulfonic acid (PFBS)	**3.3**		2.0		ng/L		12/08/25 03:26	12/08/25 19:03	1
Perfluoroheptanoic acid (PFHpA)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:03	1
Perfluorononanoic acid (PFNA)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:03	1
Perfluorotetradecanoic acid (PFTA)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:03	1
Perfluorotridecanoic acid (PFTrDA)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:03	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:03	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:03	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*100*		*70 - 130*	*12/08/25 03:26*	*12/08/25 19:03*	*1*
13C2 PFHxA	*101*		*70 - 130*	*12/08/25 03:26*	*12/08/25 19:03*	*1*
13C2 PFDA	*106*		*70 - 130*	*12/08/25 03:26*	*12/08/25 19:03*	*1*
13C3-GenX	*100*		*70 - 130*	*12/08/25 03:26*	*12/08/25 19:03*	*1*

Client Sample ID: FB: Ka'amilo Wells P2

Lab Sample ID: 380-186132-4

Date Collected: 12/02/25 11:44
Matrix: Water
Date Received: 12/04/25 10:25

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		12/07/25 16:27	12/08/25 11:54	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:54	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:54	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:54	1
Perfluorobutanesulfonic acid (PFBS)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:54	1
Perfluorodecanoic acid (PFDA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:54	1
Perfluorododecanoic acid (PFDoA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:54	1
Perfluoroheptanoic acid (PFHpA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:54	1
Perfluorohexanesulfonic acid (PFHxS)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:54	1
Perfluorohexanoic acid (PFHxA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:54	1
Perfluorononanoic acid (PFNA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:54	1
Perfluorooctanesulfonic acid (PFOS)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:54	1
Perfluorooctanoic acid (PFOA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:54	1
Perfluoroundecanoic acid (PFUnA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:54	1
Perfluorobutanoic acid (PFBA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:54	1

Client Sample ID: FB: Ka'amilo Wells P2

Date Collected: 12/02/25 11:44
Date Received: 12/04/25 10:25

Lab Sample ID: 380-186132-4

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:54	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:54	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:54	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:54	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:54	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:54	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:54	1
Perfluoropentanoic acid (PFPeA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:54	1
Perfluoroheptanesulfonic acid (PFHpS)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:54	1
Perfluoropentanesulfonic acid (PFPeS)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 11:54	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C3 HFPO-DA	*103*		*50 - 200*	*12/07/25 16:27*	*12/08/25 11:54*	*1*
13C6 PFDA	*109*		*50 - 200*	*12/07/25 16:27*	*12/08/25 11:54*	*1*
13C5 PFHxA	*107*		*50 - 200*	*12/07/25 16:27*	*12/08/25 11:54*	*1*
13C4 PFHpA	*108*		*50 - 200*	*12/07/25 16:27*	*12/08/25 11:54*	*1*
13C8 PFOA	*110*		*50 - 200*	*12/07/25 16:27*	*12/08/25 11:54*	*1*
13C9 PFNA	*109*		*50 - 200*	*12/07/25 16:27*	*12/08/25 11:54*	*1*
13C7 PFUnA	*108*		*50 - 200*	*12/07/25 16:27*	*12/08/25 11:54*	*1*
13C2 PFDoA	*106*		*50 - 200*	*12/07/25 16:27*	*12/08/25 11:54*	*1*
13C4 PFBA	*109*		*50 - 200*	*12/07/25 16:27*	*12/08/25 11:54*	*1*
13C5 PFPeA	*108*		*50 - 200*	*12/07/25 16:27*	*12/08/25 11:54*	*1*
13C3 PFBS	*117*		*50 - 200*	*12/07/25 16:27*	*12/08/25 11:54*	*1*
13C3 PFHxS	*115*		*50 - 200*	*12/07/25 16:27*	*12/08/25 11:54*	*1*
13C8 PFOS	*115*		*50 - 200*	*12/07/25 16:27*	*12/08/25 11:54*	*1*
13C2-4:2-FTS	*137*		*50 - 200*	*12/07/25 16:27*	*12/08/25 11:54*	*1*
13C2-6:2-FTS	*133*		*50 - 200*	*12/07/25 16:27*	*12/08/25 11:54*	*1*
13C2-8:2-FTS	*125*		*50 - 200*	*12/07/25 16:27*	*12/08/25 11:54*	*1*

Method: EPA 537.1 - Perfluorinated Alkyl Acids (LC/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:12	1
Perfluorooctanesulfonic acid (PFOS)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:12	1
Perfluoroundecanoic acid (PFUnA)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:12	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:12	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:12	1
Perfluorohexanoic acid (PFHxA)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:12	1
Perfluorododecanoic acid (PFDoA)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:12	1
Perfluorooctanoic acid (PFOA)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:12	1
Perfluorodecanoic acid (PFDA)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:12	1
Perfluorohexanesulfonic acid (PFHxS)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:12	1

Client Sample ID: FB: Ka'amilo Wells P2

Lab Sample ID: 380-186132-4

Date Collected: 12/02/25 11:44
Matrix: Water
Date Received: 12/04/25 10:25

Method: EPA 537.1 - Perfluorinated Alkyl Acids (LC/MS) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:12	1
Perfluoroheptanoic acid (PFHpA)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:12	1
Perfluorononanoic acid (PFNA)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:12	1
Perfluorotetradecanoic acid (PFTA)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:12	1
Perfluorotridecanoic acid (PFTrDA)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:12	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:12	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:12	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*107*		*70 - 130*	*12/08/25 03:26*	*12/08/25 19:12*	*1*
13C2 PFHxA	*104*		*70 - 130*	*12/08/25 03:26*	*12/08/25 19:12*	*1*
13C2 PFDA	*108*		*70 - 130*	*12/08/25 03:26*	*12/08/25 19:12*	*1*
13C3-GenX	*98*		*70 - 130*	*12/08/25 03:26*	*12/08/25 19:12*	*1*

Client Sample ID: AIEA WELLS PUMPS 1&2 P2 (260) (331-203-TP400)

Lab Sample ID: 380-186132-5

Date Collected: 12/02/25 10:31
Matrix: Drinking Water
Date Received: 12/04/25 10:25

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		12/07/25 16:27	12/08/25 12:04	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 12:04	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 12:04	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 12:04	1
Perfluorobutanesulfonic acid (PFBS)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 12:04	1
Perfluorodecanoic acid (PFDA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 12:04	1
Perfluorododecanoic acid (PFDoA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 12:04	1
Perfluoroheptanoic acid (PFHpA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 12:04	1
Perfluorohexanesulfonic acid (PFHxS)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 12:04	1
Perfluorohexanoic acid (PFHxA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 12:04	1
Perfluorononanoic acid (PFNA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 12:04	1
Perfluorooctanesulfonic acid (PFOS)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 12:04	1
Perfluorooctanoic acid (PFOA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 12:04	1
Perfluoroundecanoic acid (PFUnA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 12:04	1
Perfluorobutanoic acid (PFBA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 12:04	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 12:04	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 12:04	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 12:04	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 12:04	1

Client Sample ID: AIEA WELLS PUMPS 1&2 P2 (260) (331-203-TP400)

Lab Sample ID: 380-186132-5

Date Collected: 12/02/25 10:31
Date Received: 12/04/25 10:25

Matrix: Drinking Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 12:04	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 12:04	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 12:04	1
Perfluoropentanoic acid (PFPeA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 12:04	1
Perfluoroheptanesulfonic acid (PFHpS)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 12:04	1
Perfluoropentanesulfonic acid (PFPeS)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 12:04	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C3 HFPO-DA	*108*		*50 - 200*	*12/07/25 16:27*	*12/08/25 12:04*	*1*
13C6 PFDA	*109*		*50 - 200*	*12/07/25 16:27*	*12/08/25 12:04*	*1*
13C5 PFHxA	*109*		*50 - 200*	*12/07/25 16:27*	*12/08/25 12:04*	*1*
13C4 PFHpA	*109*		*50 - 200*	*12/07/25 16:27*	*12/08/25 12:04*	*1*
13C8 PFOA	*107*		*50 - 200*	*12/07/25 16:27*	*12/08/25 12:04*	*1*
13C9 PFNA	*110*		*50 - 200*	*12/07/25 16:27*	*12/08/25 12:04*	*1*
13C7 PFUnA	*111*		*50 - 200*	*12/07/25 16:27*	*12/08/25 12:04*	*1*
13C2 PFDoA	*107*		*50 - 200*	*12/07/25 16:27*	*12/08/25 12:04*	*1*
13C4 PFBA	*110*		*50 - 200*	*12/07/25 16:27*	*12/08/25 12:04*	*1*
13C5 PFPeA	*110*		*50 - 200*	*12/07/25 16:27*	*12/08/25 12:04*	*1*
13C3 PFBS	*116*		*50 - 200*	*12/07/25 16:27*	*12/08/25 12:04*	*1*
13C3 PFHxS	*113*		*50 - 200*	*12/07/25 16:27*	*12/08/25 12:04*	*1*
13C8 PFOS	*114*		*50 - 200*	*12/07/25 16:27*	*12/08/25 12:04*	*1*
13C2-4:2-FTS	*137*		*50 - 200*	*12/07/25 16:27*	*12/08/25 12:04*	*1*
13C2-6:2-FTS	*130*		*50 - 200*	*12/07/25 16:27*	*12/08/25 12:04*	*1*
13C2-8:2-FTS	*132*		*50 - 200*	*12/07/25 16:27*	*12/08/25 12:04*	*1*

Method: EPA 537.1 - Perfluorinated Alkyl Acids (LC/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:22	1
Perfluorooctanesulfonic acid (PFOS)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:22	1
Perfluoroundecanoic acid (PFUnA)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:22	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:22	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:22	1
Perfluorohexanoic acid (PFHxA)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:22	1
Perfluorododecanoic acid (PFDoA)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:22	1
Perfluorooctanoic acid (PFOA)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:22	1
Perfluorodecanoic acid (PFDA)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:22	1
Perfluorohexanesulfonic acid (PFHxS)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:22	1
Perfluorobutanesulfonic acid (PFBS)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:22	1
Perfluoroheptanoic acid (PFHpA)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:22	1
Perfluorononanoic acid (PFNA)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:22	1
Perfluorotetradecanoic acid (PFTA)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:22	1
Perfluorotridecanoic acid (PFTrDA)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:22	1

Client Sample ID: AIEA WELLS PUMPS 1&2 P2 (260) (331-203-TP400)

Lab Sample ID: 380-186132-5

Date Collected: 12/02/25 10:31
Date Received: 12/04/25 10:25

Matrix: Drinking Water

Method: EPA 537.1 - Perfluorinated Alkyl Acids (LC/MS) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:22	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:22	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*109*		*70 - 130*	*12/08/25 03:26*	*12/08/25 19:22*	*1*
13C2 PFHxA	*110*		*70 - 130*	*12/08/25 03:26*	*12/08/25 19:22*	*1*
13C2 PFDA	*114*		*70 - 130*	*12/08/25 03:26*	*12/08/25 19:22*	*1*
13C3-GenX	*104*		*70 - 130*	*12/08/25 03:26*	*12/08/25 19:22*	*1*

Client Sample ID: FB: AIEA WELLS PUMPS 1&2 (260) (331-203-TP400)

Lab Sample ID: 380-186132-6

Date Collected: 12/02/25 10:31
Date Received: 12/04/25 10:25

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 12:14	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 12:14	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 12:14	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 12:14	1
Perfluorobutanesulfonic acid (PFBS)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 12:14	1
Perfluorodecanoic acid (PFDA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 12:14	1
Perfluorododecanoic acid (PFDoA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 12:14	1
Perfluoroheptanoic acid (PFHpA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 12:14	1
Perfluorohexanesulfonic acid (PFHxS)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 12:14	1
Perfluorohexanoic acid (PFHxA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 12:14	1
Perfluorononanoic acid (PFNA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 12:14	1
Perfluorooctanesulfonic acid (PFOS)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 12:14	1
Perfluorooctanoic acid (PFOA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 12:14	1
Perfluoroundecanoic acid (PFUnA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 12:14	1
Perfluorobutanoic acid (PFBA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 12:14	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 12:14	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 12:14	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 12:14	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 12:14	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 12:14	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 12:14	1

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

Job ID: 380-186132-1
SDG: PFAS: Ka'amilo Wells P1/P2, Aiea Wells Pumps 1&2 P2

Client Sample ID: FB: AIEA WELLS PUMPS 1&2 (260) (331-203-TP400)
Lab Sample ID: 380-186132-6
Date Collected: 12/02/25 10:31
Matrix: Water
Date Received: 12/04/25 10:25

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro-4-methoxybutanoic acid (PFMBA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 12:14	1
Perfluoropentanoic acid (PFPeA)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 12:14	1
Perfluoroheptanesulfonic acid (PFHpS)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 12:14	1
Perfluoropentanesulfonic acid (PFPeS)	<2.0		2.0		ng/L		12/07/25 16:27	12/08/25 12:14	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C3 HFPO-DA	*100*		*50 - 200*	*12/07/25 16:27*	*12/08/25 12:14*	*1*
13C6 PFDA	*107*		*50 - 200*	*12/07/25 16:27*	*12/08/25 12:14*	*1*
13C5 PFHxA	*106*		*50 - 200*	*12/07/25 16:27*	*12/08/25 12:14*	*1*
13C4 PFHpA	*108*		*50 - 200*	*12/07/25 16:27*	*12/08/25 12:14*	*1*
13C8 PFOA	*108*		*50 - 200*	*12/07/25 16:27*	*12/08/25 12:14*	*1*
13C9 PFNA	*108*		*50 - 200*	*12/07/25 16:27*	*12/08/25 12:14*	*1*
13C7 PFUnA	*108*		*50 - 200*	*12/07/25 16:27*	*12/08/25 12:14*	*1*
13C2 PFDoA	*103*		*50 - 200*	*12/07/25 16:27*	*12/08/25 12:14*	*1*
13C4 PFBA	*107*		*50 - 200*	*12/07/25 16:27*	*12/08/25 12:14*	*1*
13C5 PFPeA	*108*		*50 - 200*	*12/07/25 16:27*	*12/08/25 12:14*	*1*
13C3 PFBS	*117*		*50 - 200*	*12/07/25 16:27*	*12/08/25 12:14*	*1*
13C3 PFHxS	*114*		*50 - 200*	*12/07/25 16:27*	*12/08/25 12:14*	*1*
13C8 PFOS	*114*		*50 - 200*	*12/07/25 16:27*	*12/08/25 12:14*	*1*
13C2-4:2-FTS	*134*		*50 - 200*	*12/07/25 16:27*	*12/08/25 12:14*	*1*
13C2-6:2-FTS	*130*		*50 - 200*	*12/07/25 16:27*	*12/08/25 12:14*	*1*
13C2-8:2-FTS	*129*		*50 - 200*	*12/07/25 16:27*	*12/08/25 12:14*	*1*

Method: EPA 537.1 - Perfluorinated Alkyl Acids (LC/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:31	1
Perfluorooctanesulfonic acid (PFOS)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:31	1
Perfluoroundecanoic acid (PFUnA)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:31	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:31	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:31	1
Perfluorohexanoic acid (PFHxA)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:31	1
Perfluorododecanoic acid (PFDoA)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:31	1
Perfluorooctanoic acid (PFOA)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:31	1
Perfluorodecanoic acid (PFDA)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:31	1
Perfluorohexanesulfonic acid (PFHxS)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:31	1
Perfluorobutanesulfonic acid (PFBS)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:31	1
Perfluoroheptanoic acid (PFHpA)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:31	1
Perfluorononanoic acid (PFNA)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:31	1
Perfluorotetradecanoic acid (PFTA)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:31	1
Perfluorotridecanoic acid (PFTrDA)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:31	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:31	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:31	1

Client Sample ID: FB: AIEA WELLS PUMPS 1&2 (260) (331-203-TP400)
Lab Sample ID: 380-186132-6
Date Collected: 12/02/25 10:31
Matrix: Water
Date Received: 12/04/25 10:25

Method: EPA 537.1 - Perfluorinated Alkyl Acids (LC/MS) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<2.0		2.0		ng/L		12/08/25 03:26	12/08/25 19:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*106*		*70 - 130*	*12/08/25 03:26*	*12/08/25 19:31*	*1*
13C2 PFHxA	*111*		*70 - 130*	*12/08/25 03:26*	*12/08/25 19:31*	*1*
13C2 PFDA	*118*		*70 - 130*	*12/08/25 03:26*	*12/08/25 19:31*	*1*
13C3-GenX	*111*		*70 - 130*	*12/08/25 03:26*	*12/08/25 19:31*	*1*

Action Limit Summary

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

Job ID: 380-186132-1
SDG: PFAS: Ka'amilo Wells P1/P2, Aiea Wells Pumps 1&2 P2

Client Sample ID: Ka'amilo Wells P1 — Lab Sample ID: 380-186132-1

Compliance Check

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

Analyte	Result	Qualifier	Unit	EPAMCL Limit	RL	Method	Prep Type
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	<2.0		ng/L	10	2.0	533	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	3.5		ng/L	10	2.0	533	Total/NA
Perfluorononanoic acid (PFNA)	<2.0		ng/L	10	2.0	533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	**4.5**		ng/L	**4**	2.0	533	Total/NA
Perfluorooctanoic acid (PFOA)	3.9		ng/L	4	2.0	533	Total/NA
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	<2.0		ng/L	10	2.0	537.1	Total/NA
Perfluorooctanesulfonic acid (PFOS)	**5.3**		ng/L	**4**	2.0	537.1	Total/NA
Perfluorooctanoic acid (PFOA)	**4.2**		ng/L	**4**	2.0	537.1	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	4.1		ng/L	10	2.0	537.1	Total/NA
Perfluorononanoic acid (PFNA)	<2.0		ng/L	10	2.0	537.1	Total/NA

Client Sample ID: FB: Ka'amilo Wells P1 — Lab Sample ID: 380-186132-2

Compliance Check

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

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

Client Sample ID: Ka'amilo Wells P2 — Lab Sample ID: 380-186132-3

Compliance Check

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

Analyte	Result	Qualifier	Unit	EPAMCL Limit	RL	Method	Prep Type
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	<2.0		ng/L	10	2.0	533	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	3.5		ng/L	10	2.0	533	Total/NA
Perfluorononanoic acid (PFNA)	<2.0		ng/L	10	2.0	533	Total/NA
Perfluorooctanesulfonic acid (PFOS)	4.0		ng/L	4	2.0	533	Total/NA
Perfluorooctanoic acid (PFOA)	3.9		ng/L	4	2.0	533	Total/NA
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	<2.0		ng/L	10	2.0	537.1	Total/NA

Client Sample ID: Ka'amilo Wells P2 (Continued) — Lab Sample ID: 380-186132-3

Compliance Check

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

Analyte	Result	Qualifier	Unit	EPAMCL Limit	RL	Method	Prep Type
Perfluorooctanesulfonic acid (PFOS)	**5.0**		ng/L	**4**	2.0	537.1	Total/NA
Perfluorooctanoic acid (PFOA)	4.0		ng/L	4	2.0	537.1	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	4.1		ng/L	10	2.0	537.1	Total/NA
Perfluorononanoic acid (PFNA)	<2.0		ng/L	10	2.0	537.1	Total/NA

Client Sample ID: FB: Ka'amilo Wells P2 — Lab Sample ID: 380-186132-4

Compliance Check

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

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

Client Sample ID: AIEA WELLS PUMPS 1&2 P2 (260) (331-203-TP400) — Lab Sample ID: 380-186132-5

Compliance Check

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

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

Action Limit Summary

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

Job ID: 380-186132-1
SDG: PFAS: Ka'amilo Wells P1/P2, Aiea Wells Pumps 1&2 P2

Client Sample ID: FB: AIEA WELLS PUMPS 1&2 (260) (331-203-TP400)

Lab Sample ID: 380-186132-6

Compliance Check

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

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

Surrogate Summary

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

Job ID: 380-186132-1
SDG: PFAS: Ka'amilo Wells P1/P2, Aiea Wells Pumps 1&2 P2

Method: 537.1 - Perfluorinated Alkyl Acids (LC/MS)

Matrix: Drinking Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		d5NEFOS	PFHxA	PFDA	GenX
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)	(70-130)
380-186132-5	AIEA WELLS PUMPS 1&2 P2 (2	109	110	114	104

Surrogate Legend

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

Method: 537.1 - Perfluorinated Alkyl Acids (LC/MS)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		d5NEFOS	PFHxA	PFDA	GenX
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)	(70-130)
380-186130-B-1-A MS	Matrix Spike	107	108	110	101
380-186130-C-1-A MSD	Matrix Spike Duplicate	104	104	105	104
380-186132-1	Ka'amilo Wells P1	108	105	109	107
380-186132-2	FB: Ka'amilo Wells P1	102	95	105	90
380-186132-3	Ka'amilo Wells P2	100	101	106	100
380-186132-4	FB: Ka'amilo Wells P2	107	104	108	98
380-186132-6	FB: AIEA WELLS PUMPS 1&2 (260) (331-203-TP400)	106	111	118	111
LCS 380-190874/21-A	Lab Control Sample	102	102	109	97
MBL 380-190874/19-A	Method Blank	107	105	107	99
MRL 380-190874/20-A	Lab Control Sample	95	96	103	86

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: 380-186132-1
SDG: PFAS: Ka'amilo Wells P1/P2, Aiea Wells Pumps 1&2 P2

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

Matrix: Drinking Water — **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	HFPODA (50-200)	C6PFDA (50-200)	13C5PHA (50-200)	C4PFHA (50-200)	C8PFOA (50-200)	C9PFNA (50-200)	13C7PUA (50-200)	PFDoA (50-200)
380-186132-5	AIEA WELLS PUMPS 1&2 P2 (2	108	109	109	109	107	110	111	107

		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)
380-186132-5	AIEA WELLS PUMPS 1&2 P2 (2	110	110	116	113	114	137	130	132

Surrogate Legend

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

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	HFPODA (50-200)	C6PFDA (50-200)	13C5PHA (50-200)	C4PFHA (50-200)	C8PFOA (50-200)	C9PFNA (50-200)	13C7PUA (50-200)	PFDoA (50-200)
380-185935-B-1-A MS	Matrix Spike	103	108	103	106	105	110	112	107
380-185935-C-1-A MSD	Matrix Spike Duplicate	107	109	106	113	110	110	110	105
380-186132-1	Ka'amilo Wells P1	101	104	107	113	110	113	109	105
380-186132-2	FB: Ka'amilo Wells P1	102	108	110	111	114	112	110	107
380-186132-3	Ka'amilo Wells P2	104	110	108	112	109	112	109	106
380-186132-4	FB: Ka'amilo Wells P2	103	109	107	108	110	109	108	106
380-186132-6	FB: AIEA WELLS PUMPS 1&2 (260) (331-203-TP400)	100	107	106	108	108	108	108	103
LCS 380-190702/24-A	Lab Control Sample	106	108	109	109	112	110	110	105
MBL 380-190702/22-A	Method Blank	100	107	107	111	107	109	105	105
MRL 380-190702/23-A	Lab Control Sample	105	109	114	112	110	109	108	110

		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)
380-185935-B-1-A MS	Matrix Spike	104	107	118	115	112	128	127	123
380-185935-C-1-A MSD	Matrix Spike Duplicate	109	113	114	110	112	125	131	125
380-186132-1	Ka'amilo Wells P1	107	105	114	113	113	133	127	120
380-186132-2	FB: Ka'amilo Wells P1	110	106	119	116	116	132	132	126
380-186132-3	Ka'amilo Wells P2	106	105	111	109	112	121	122	119
380-186132-4	FB: Ka'amilo Wells P2	109	108	117	115	115	137	133	125

Isotope Dilution Summary

Client: City & County of Honolulu
Job ID: 380-186132-1
Project/Site: RED-HILL
SDG: PFAS: Ka'amilo Wells P1/P2, Aiea Wells Pumps 1&2 P2

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

Matrix: Water
Prep Type: Total/NA

		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)
380-186132-6	FB: AIEA WELLS PUMPS 1&2 (	107	108	117	114	114	134	130	129
LCS 380-190702/24-A	Lab Control Sample	108	104	115	111	112	133	127	122
MBL 380-190702/22-A	Method Blank	106	104	113	112	112	135	131	113
MRL 380-190702/23-A	Lab Control Sample	110	106	118	114	112	131	130	129

Surrogate Legend

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

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

Lab Sample ID: MBL 380-190702/22-A
Matrix: Water
Analysis Batch: 190882

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 190702

Analyte	MBL Result	MBL Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	<0.30		2.0		ng/L		12/07/25 16:27	12/08/25 08:27	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	<0.30		2.0		ng/L		12/07/25 16:27	12/08/25 08:27	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.60		2.0		ng/L		12/07/25 16:27	12/08/25 08:27	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	<1.0		2.0		ng/L		12/07/25 16:27	12/08/25 08:27	1
Perfluorobutanesulfonic acid (PFBS)	<0.37		2.0		ng/L		12/07/25 16:27	12/08/25 08:27	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0		ng/L		12/07/25 16:27	12/08/25 08:27	1
Perfluorododecanoic acid (PFDoA)	<0.54		2.0		ng/L		12/07/25 16:27	12/08/25 08:27	1
Perfluoroheptanoic acid (PFHpA)	<0.39		2.0		ng/L		12/07/25 16:27	12/08/25 08:27	1
Perfluorohexanesulfonic acid (PFHxS)	<0.32		2.0		ng/L		12/07/25 16:27	12/08/25 08:27	1
Perfluorohexanoic acid (PFHxA)	<0.46		2.0		ng/L		12/07/25 16:27	12/08/25 08:27	1
Perfluorononanoic acid (PFNA)	<0.40		2.0		ng/L		12/07/25 16:27	12/08/25 08:27	1
Perfluorooctanesulfonic acid (PFOS)	<0.43		2.0		ng/L		12/07/25 16:27	12/08/25 08:27	1
Perfluorooctanoic acid (PFOA)	<0.38		2.0		ng/L		12/07/25 16:27	12/08/25 08:27	1
Perfluoroundecanoic acid (PFUnA)	<0.42		2.0		ng/L		12/07/25 16:27	12/08/25 08:27	1
Perfluorobutanoic acid (PFBA)	<0.69		2.0		ng/L		12/07/25 16:27	12/08/25 08:27	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	<0.38		2.0		ng/L		12/07/25 16:27	12/08/25 08:27	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	<0.37		2.0		ng/L		12/07/25 16:27	12/08/25 08:27	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	<0.48		2.0		ng/L		12/07/25 16:27	12/08/25 08:27	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	<0.47		2.0		ng/L		12/07/25 16:27	12/08/25 08:27	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	<0.25		2.0		ng/L		12/07/25 16:27	12/08/25 08:27	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	<0.46		2.0		ng/L		12/07/25 16:27	12/08/25 08:27	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	<0.15		2.0		ng/L		12/07/25 16:27	12/08/25 08:27	1
Perfluoropentanoic acid (PFPeA)	<0.38		2.0		ng/L		12/07/25 16:27	12/08/25 08:27	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.36		2.0		ng/L		12/07/25 16:27	12/08/25 08:27	1
Perfluoropentanesulfonic acid (PFPeS)	<0.39		2.0		ng/L		12/07/25 16:27	12/08/25 08:27	1

Isotope Dilution	*MBL %Recovery*	*MBL Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C3 HFPO-DA	*100*		*50 - 200*	*12/07/25 16:27*	*12/08/25 08:27*	*1*
13C6 PFDA	*107*		*50 - 200*	*12/07/25 16:27*	*12/08/25 08:27*	*1*
13C5 PFHxA	*107*		*50 - 200*	*12/07/25 16:27*	*12/08/25 08:27*	*1*
13C4 PFHpA	*111*		*50 - 200*	*12/07/25 16:27*	*12/08/25 08:27*	*1*
13C8 PFOA	*107*		*50 - 200*	*12/07/25 16:27*	*12/08/25 08:27*	*1*
13C9 PFNA	*109*		*50 - 200*	*12/07/25 16:27*	*12/08/25 08:27*	*1*
13C7 PFUnA	*105*		*50 - 200*	*12/07/25 16:27*	*12/08/25 08:27*	*1*
13C2 PFDoA	*105*		*50 - 200*	*12/07/25 16:27*	*12/08/25 08:27*	*1*
13C4 PFBA	*106*		*50 - 200*	*12/07/25 16:27*	*12/08/25 08:27*	*1*
13C5 PFPeA	*104*		*50 - 200*	*12/07/25 16:27*	*12/08/25 08:27*	*1*
13C3 PFBS	*113*		*50 - 200*	*12/07/25 16:27*	*12/08/25 08:27*	*1*
13C3 PFHxS	*112*		*50 - 200*	*12/07/25 16:27*	*12/08/25 08:27*	*1*

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

Lab Sample ID: MBL 380-190702/22-A
Matrix: Water
Analysis Batch: 190882

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 190702

Isotope Dilution	*MBL %Recovery*	*MBL Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C8 PFOS	*112*		*50 - 200*	*12/07/25 16:27*	*12/08/25 08:27*	*1*
13C2-4:2-FTS	*135*		*50 - 200*	*12/07/25 16:27*	*12/08/25 08:27*	*1*
13C2-6:2-FTS	*131*		*50 - 200*	*12/07/25 16:27*	*12/08/25 08:27*	*1*
13C2-8:2-FTS	*113*		*50 - 200*	*12/07/25 16:27*	*12/08/25 08:27*	*1*

Lab Sample ID: LCS 380-190702/24-A
Matrix: Water
Analysis Batch: 190882

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 190702

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	60.2	57.7		ng/L		96	70 - 130
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	60.2	57.1		ng/L		95	70 - 130
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	60.2	61.0		ng/L		101	70 - 130
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	60.2	60.0		ng/L		100	70 - 130
Perfluorobutanesulfonic acid (PFBS)	60.2	60.0		ng/L		100	70 - 130
Perfluorodecanoic acid (PFDA)	60.2	59.7		ng/L		99	70 - 130
Perfluorododecanoic acid (PFDoA)	60.2	60.7		ng/L		101	70 - 130
Perfluoroheptanoic acid (PFHpA)	60.2	60.1		ng/L		100	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	60.2	59.8		ng/L		99	70 - 130
Perfluorohexanoic acid (PFHxA)	60.2	58.8		ng/L		98	70 - 130
Perfluorononanoic acid (PFNA)	60.2	61.9		ng/L		103	70 - 130
Perfluorooctanesulfonic acid (PFOS)	60.2	56.1		ng/L		93	70 - 130
Perfluorooctanoic acid (PFOA)	60.2	58.9		ng/L		98	70 - 130
Perfluoroundecanoic acid (PFUnA)	60.2	59.3		ng/L		98	70 - 130
Perfluorobutanoic acid (PFBA)	60.2	60.4		ng/L		100	70 - 130
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	60.2	64.7		ng/L		107	70 - 130
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	60.2	57.6		ng/L		96	70 - 130
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	60.2	63.1		ng/L		105	70 - 130
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	60.2	59.4		ng/L		99	70 - 130
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	60.2	57.4		ng/L		95	70 - 130
Perfluoro-3-methoxypropanoic acid (PFMPA)	60.2	60.6		ng/L		101	70 - 130
Perfluoro-4-methoxybutanoic acid (PFMBA)	60.2	61.2		ng/L		102	70 - 130
Perfluoropentanoic acid (PFPeA)	60.2	59.6		ng/L		99	70 - 130
Perfluoroheptanesulfonic acid (PFHpS)	60.2	57.6		ng/L		96	70 - 130

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

Lab Sample ID: LCS 380-190702/24-A
Matrix: Water
Analysis Batch: 190882

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 190702

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Perfluoropentanesulfonic acid (PFPeS)			60.2	59.9		ng/L		99	70 - 130		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C3 HFPO-DA	*106*		*50 - 200*
13C6 PFDA	*108*		*50 - 200*
13C5 PFHxA	*109*		*50 - 200*
13C4 PFHpA	*109*		*50 - 200*
13C8 PFOA	*112*		*50 - 200*
13C9 PFNA	*110*		*50 - 200*
13C7 PFUnA	*110*		*50 - 200*
13C2 PFDoA	*105*		*50 - 200*
13C4 PFBA	*108*		*50 - 200*
13C5 PFPeA	*104*		*50 - 200*
13C3 PFBS	*115*		*50 - 200*
13C3 PFHxS	*111*		*50 - 200*
13C8 PFOS	*112*		*50 - 200*
13C2-4:2-FTS	*133*		*50 - 200*
13C2-6:2-FTS	*127*		*50 - 200*
13C2-8:2-FTS	*122*		*50 - 200*

Lab Sample ID: MRL 380-190702/23-A
Matrix: Water
Analysis Batch: 190882

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 190702

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)			2.01	1.94	J	ng/L		96	50 - 150		
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)			2.01	1.78	J	ng/L		89	50 - 150		
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)			2.01	2.03	J	ng/L		101	50 - 150		
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)			2.01	1.97	J	ng/L		98	50 - 150		
Perfluorobutanesulfonic acid (PFBS)			2.01	2.00	J	ng/L		99	50 - 150		
Perfluorodecanoic acid (PFDA)			2.01	1.92	J	ng/L		95	50 - 150		
Perfluorododecanoic acid (PFDoA)			2.01	2.01	J	ng/L		100	50 - 150		
Perfluoroheptanoic acid (PFHpA)			2.01	1.98	J	ng/L		98	50 - 150		
Perfluorohexanesulfonic acid (PFHxS)			2.01	2.05	J	ng/L		102	50 - 150		
Perfluorohexanoic acid (PFHxA)			2.01	2.05	J	ng/L		102	50 - 150		
Perfluorononanoic acid (PFNA)			2.01	2.12	J	ng/L		105	50 - 150		
Perfluorooctanesulfonic acid (PFOS)			2.01	2.00	J	ng/L		100	50 - 150		
Perfluorooctanoic acid (PFOA)			2.01	2.07	J	ng/L		103	50 - 150		
Perfluoroundecanoic acid (PFUnA)			2.01	2.05	J	ng/L		102	50 - 150		
Perfluorobutanoic acid (PFBA)			2.01	2.02	J	ng/L		100	50 - 150		

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

Lab Sample ID: MRL 380-190702/23-A
Matrix: Water
Analysis Batch: 190882

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 190702

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	2.01	2.08	J	ng/L		103	50 - 150
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	2.01	2.28	J	ng/L		113	50 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	2.01	2.21	J	ng/L		110	50 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	2.01	2.03	J	ng/L		101	50 - 150
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	2.01	1.88	J	ng/L		93	50 - 150
Perfluoro-3-methoxypropanoic acid (PFMPA)	2.01	1.94	J	ng/L		96	50 - 150
Perfluoro-4-methoxybutanoic acid (PFMBA)	2.01	2.03	J	ng/L		101	50 - 150
Perfluoropentanoic acid (PFPeA)	2.01	2.09	J	ng/L		104	50 - 150
Perfluoroheptanesulfonic acid (PFHpS)	2.01	1.87	J	ng/L		93	50 - 150
Perfluoropentanesulfonic acid (PFPeS)	2.01	1.95	J	ng/L		97	50 - 150

Isotope Dilution	*MRL %Recovery*	*MRL Qualifier*	*Limits*
13C3 HFPO-DA	*105*		*50 - 200*
13C6 PFDA	*109*		*50 - 200*
13C5 PFHxA	*114*		*50 - 200*
13C4 PFHpA	*112*		*50 - 200*
13C8 PFOA	*110*		*50 - 200*
13C9 PFNA	*109*		*50 - 200*
13C7 PFUnA	*108*		*50 - 200*
13C2 PFDoA	*110*		*50 - 200*
13C4 PFBA	*110*		*50 - 200*
13C5 PFPeA	*106*		*50 - 200*
13C3 PFBS	*118*		*50 - 200*
13C3 PFHxS	*114*		*50 - 200*
13C8 PFOS	*112*		*50 - 200*
13C2-4:2-FTS	*131*		*50 - 200*
13C2-6:2-FTS	*130*		*50 - 200*
13C2-8:2-FTS	*129*		*50 - 200*

Lab Sample ID: 380-185935-B-1-A MS
Matrix: Water
Analysis Batch: 190882

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 190702

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		60.4	59.4		ng/L		98	70 - 130
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	<2.0		60.4	57.9		ng/L		96	70 - 130
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<2.0		60.4	61.5		ng/L		102	70 - 130

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

Lab Sample ID: 380-185935-B-1-A MS
Matrix: Water
Analysis Batch: 190882

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 190702

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		60.4	63.1		ng/L		104	70 - 130
Perfluorobutanesulfonic acid (PFBS)	2.6		60.4	65.4		ng/L		104	70 - 130
Perfluorodecanoic acid (PFDA)	<2.0		60.4	61.7		ng/L		100	70 - 130
Perfluorododecanoic acid (PFDoA)	<2.0		60.4	60.5		ng/L		100	70 - 130
Perfluoroheptanoic acid (PFHpA)	<2.0		60.4	63.3		ng/L		104	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	<2.0		60.4	62.1		ng/L		101	70 - 130
Perfluorohexanoic acid (PFHxA)	2.0		60.4	64.4		ng/L		103	70 - 130
Perfluorononanoic acid (PFNA)	<2.0		60.4	65.8		ng/L		108	70 - 130
Perfluorooctanesulfonic acid (PFOS)	6.2		60.4	78.3		ng/L		119	70 - 130
Perfluorooctanoic acid (PFOA)	2.9		60.4	69.8		ng/L		111	70 - 130
Perfluoroundecanoic acid (PFUnA)	<2.0		60.4	60.5		ng/L		100	70 - 130
Perfluorobutanoic acid (PFBA)	5.0		60.4	72.9		ng/L		112	70 - 130
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	<2.0		60.4	68.1		ng/L		113	70 - 130
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	<2.0		60.4	61.4		ng/L		102	70 - 130
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	<2.0		60.4	63.6		ng/L		105	70 - 130
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	<2.0		60.4	64.8		ng/L		107	70 - 130
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	<2.0		60.4	56.2		ng/L		93	70 - 130
Perfluoro-3-methoxypropanoic acid (PFMPA)	<2.0		60.4	63.0		ng/L		104	70 - 130
Perfluoro-4-methoxybutanoic acid (PFMBA)	<2.0		60.4	59.4		ng/L		98	70 - 130
Perfluoropentanoic acid (PFPeA)	3.2		60.4	66.4		ng/L		105	70 - 130
Perfluoroheptanesulfonic acid (PFHpS)	<2.0		60.4	58.3		ng/L		97	70 - 130
Perfluoropentanesulfonic acid (PFPeS)	<2.0		60.4	60.7		ng/L		100	70 - 130

Isotope Dilution	*MS %Recovery*	*MS Qualifier*	*Limits*
13C3 HFPO-DA	*103*		*50 - 200*
13C6 PFDA	*108*		*50 - 200*
13C5 PFHxA	*103*		*50 - 200*
13C4 PFHpA	*106*		*50 - 200*
13C8 PFOA	*105*		*50 - 200*
13C9 PFNA	*110*		*50 - 200*
13C7 PFUnA	*112*		*50 - 200*
13C2 PFDoA	*107*		*50 - 200*
13C4 PFBA	*104*		*50 - 200*
13C5 PFPeA	*107*		*50 - 200*
13C3 PFBS	*118*		*50 - 200*
13C3 PFHxS	*115*		*50 - 200*
13C8 PFOS	*112*		*50 - 200*

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

Lab Sample ID: 380-185935-B-1-A MS
Matrix: Water
Analysis Batch: 190882

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 190702

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C2-4:2-FTS	128		50 - 200
13C2-6:2-FTS	127		50 - 200
13C2-8:2-FTS	123		50 - 200

Lab Sample ID: 380-185935-C-1-A MSD
Matrix: Water
Analysis Batch: 190882

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 190702

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	<2.0		60.2	58.7		ng/L		97	70 - 130	1	30
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	<2.0		60.2	57.6		ng/L		96	70 - 130	1	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<2.0		60.2	59.0		ng/L		98	70 - 130	4	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	<2.0		60.2	60.5		ng/L		100	70 - 130	4	30
Perfluorobutanesulfonic acid (PFBS)	2.6		60.2	65.8		ng/L		105	70 - 130	1	30
Perfluorodecanoic acid (PFDA)	<2.0		60.2	61.6		ng/L		100	70 - 130	0	30
Perfluorododecanoic acid (PFDoA)	<2.0		60.2	61.0		ng/L		101	70 - 130	1	30
Perfluoroheptanoic acid (PFHpA)	<2.0		60.2	61.2		ng/L		101	70 - 130	3	30
Perfluorohexanesulfonic acid (PFHxS)	<2.0		60.2	63.3		ng/L		103	70 - 130	2	30
Perfluorohexanoic acid (PFHxA)	2.0		60.2	62.5		ng/L		100	70 - 130	3	30
Perfluorononanoic acid (PFNA)	<2.0		60.2	63.8		ng/L		105	70 - 130	3	30
Perfluorooctanesulfonic acid (PFOS)	6.2		60.2	76.3		ng/L		116	70 - 130	2	30
Perfluorooctanoic acid (PFOA)	2.9		60.2	68.5		ng/L		109	70 - 130	2	30
Perfluoroundecanoic acid (PFUnA)	<2.0		60.2	60.1		ng/L		100	70 - 130	1	30
Perfluorobutanoic acid (PFBA)	5.0		60.2	71.9		ng/L		111	70 - 130	1	30
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	<2.0		60.2	64.3		ng/L		107	70 - 130	6	30
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	<2.0		60.2	65.2		ng/L		108	70 - 130	6	30
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	<2.0		60.2	63.9		ng/L		106	70 - 130	0	30
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	<2.0		60.2	61.8		ng/L		103	70 - 130	5	30
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	<2.0		60.2	56.8		ng/L		94	70 - 130	1	30
Perfluoro-3-methoxypropanoic acid (PFMPA)	<2.0		60.2	63.0		ng/L		105	70 - 130	0	30
Perfluoro-4-methoxybutanoic acid (PFMBA)	<2.0		60.2	58.7		ng/L		97	70 - 130	1	30
Perfluoropentanoic acid (PFPeA)	3.2		60.2	63.2		ng/L		100	70 - 130	5	30
Perfluoroheptanesulfonic acid (PFHpS)	<2.0		60.2	58.2		ng/L		97	70 - 130	0	30
Perfluoropentanesulfonic acid (PFPeS)	<2.0		60.2	61.9		ng/L		102	70 - 130	2	30

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

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C3 HFPO-DA	107		50 - 200
13C6 PFDA	109		50 - 200
13C5 PFHxA	106		50 - 200
13C4 PFHpA	113		50 - 200
13C8 PFOA	110		50 - 200
13C9 PFNA	110		50 - 200
13C7 PFUnA	110		50 - 200
13C2 PFDoA	105		50 - 200
13C4 PFBA	109		50 - 200
13C5 PFPeA	113		50 - 200
13C3 PFBS	114		50 - 200
13C3 PFHxS	110		50 - 200
13C8 PFOS	112		50 - 200
13C2-4:2-FTS	125		50 - 200
13C2-6:2-FTS	131		50 - 200
13C2-8:2-FTS	125		50 - 200

Method: 537.1 - Perfluorinated Alkyl Acids (LC/MS)

Lab Sample ID: MBL 380-190874/19-A
Matrix: Water
Analysis Batch: 191006

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 190874

Analyte	MBL Result	MBL Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	<1.0		2.0		ng/L		12/08/25 03:26	12/08/25 17:36	1
Perfluorooctanesulfonic acid (PFOS)	<0.43		2.0		ng/L		12/08/25 03:26	12/08/25 17:36	1
Perfluoroundecanoic acid (PFUnA)	<0.42		2.0		ng/L		12/08/25 03:26	12/08/25 17:36	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<0.58		2.0		ng/L		12/08/25 03:26	12/08/25 17:36	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<0.42		2.0		ng/L		12/08/25 03:26	12/08/25 17:36	1
Perfluorohexanoic acid (PFHxA)	<0.46		2.0		ng/L		12/08/25 03:26	12/08/25 17:36	1
Perfluorododecanoic acid (PFDoA)	<0.54		2.0		ng/L		12/08/25 03:26	12/08/25 17:36	1
Perfluorooctanoic acid (PFOA)	<0.38		2.0		ng/L		12/08/25 03:26	12/08/25 17:36	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0		ng/L		12/08/25 03:26	12/08/25 17:36	1
Perfluorohexanesulfonic acid (PFHxS)	<0.32		2.0		ng/L		12/08/25 03:26	12/08/25 17:36	1
Perfluorobutanesulfonic acid (PFBS)	<0.37		2.0		ng/L		12/08/25 03:26	12/08/25 17:36	1
Perfluoroheptanoic acid (PFHpA)	<0.39		2.0		ng/L		12/08/25 03:26	12/08/25 17:36	1
Perfluorononanoic acid (PFNA)	<0.40		2.0		ng/L		12/08/25 03:26	12/08/25 17:36	1
Perfluorotetradecanoic acid (PFTA)	<0.54		2.0		ng/L		12/08/25 03:26	12/08/25 17:36	1
Perfluorotridecanoic acid (PFTrDA)	<0.36		2.0		ng/L		12/08/25 03:26	12/08/25 17:36	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	<0.30		2.0		ng/L		12/08/25 03:26	12/08/25 17:36	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	<0.30		2.0		ng/L		12/08/25 03:26	12/08/25 17:36	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.60		2.0		ng/L		12/08/25 03:26	12/08/25 17:36	1

Surrogate	MBL %Recovery	MBL Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	107		70 - 130	12/08/25 03:26	12/08/25 17:36	1
13C2 PFHxA	105		70 - 130	12/08/25 03:26	12/08/25 17:36	1
13C2 PFDA	107		70 - 130	12/08/25 03:26	12/08/25 17:36	1

Method: 537.1 - Perfluorinated Alkyl Acids (LC/MS) (Continued)

Lab Sample ID: MBL 380-190874/19-A
Matrix: Water
Analysis Batch: 191006

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 190874

Surrogate	MBL %Recovery	MBL Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3-GenX	99		70 - 130	12/08/25 03:26	12/08/25 17:36	1

Lab Sample ID: LCS 380-190874/21-A
Matrix: Water
Analysis Batch: 191006

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 190874

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	50.2	46.0		ng/L		92	70 - 130
Perfluorooctanesulfonic acid (PFOS)	50.2	51.4		ng/L		102	70 - 130
Perfluoroundecanoic acid (PFUnA)	50.2	51.0		ng/L		101	70 - 130
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	50.2	49.6		ng/L		99	70 - 130
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	50.2	48.3		ng/L		96	70 - 130
Perfluorohexanoic acid (PFHxA)	50.2	48.9		ng/L		97	70 - 130
Perfluorododecanoic acid (PFDoA)	50.2	49.7		ng/L		99	70 - 130
Perfluorooctanoic acid (PFOA)	50.2	51.5		ng/L		103	70 - 130
Perfluorodecanoic acid (PFDA)	50.2	51.4		ng/L		102	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	50.2	52.5		ng/L		105	70 - 130
Perfluorobutanesulfonic acid (PFBS)	50.2	51.2		ng/L		102	70 - 130
Perfluoroheptanoic acid (PFHpA)	50.2	48.1		ng/L		96	70 - 130
Perfluorononanoic acid (PFNA)	50.2	50.2		ng/L		100	70 - 130
Perfluorotetradecanoic acid (PFTA)	50.2	38.1		ng/L		76	70 - 130
Perfluorotridecanoic acid (PFTrDA)	50.2	50.6		ng/L		101	70 - 130
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	50.2	51.3		ng/L		102	70 - 130
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	50.2	48.9		ng/L		97	70 - 130
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	50.2	48.2		ng/L		96	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
d5-NEtFOSAA	102		70 - 130
13C2 PFHxA	102		70 - 130
13C2 PFDA	109		70 - 130
13C3-GenX	97		70 - 130

Method: 537.1 - Perfluorinated Alkyl Acids (LC/MS) (Continued)

Lab Sample ID: MRL 380-190874/20-A
Matrix: Water
Analysis Batch: 191006

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 190874

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	2.00	1.81	J	ng/L		90	50 - 150
Perfluorooctanesulfonic acid (PFOS)	2.00	2.34	J	ng/L		117	50 - 150
Perfluoroundecanoic acid (PFUnA)	2.00	2.25	J	ng/L		112	50 - 150
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.01	J	ng/L		100	50 - 150
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	1.94	J	ng/L		97	50 - 150
Perfluorohexanoic acid (PFHxA)	2.00	1.99	J	ng/L		99	50 - 150
Perfluorododecanoic acid (PFDoA)	2.00	2.14	J	ng/L		107	50 - 150
Perfluorooctanoic acid (PFOA)	2.00	2.20	J	ng/L		110	50 - 150
Perfluorodecanoic acid (PFDA)	2.00	2.13	J	ng/L		106	50 - 150
Perfluorohexanesulfonic acid (PFHxS)	2.00	2.28	J	ng/L		114	50 - 150
Perfluorobutanesulfonic acid (PFBS)	2.00	2.21	J	ng/L		110	50 - 150
Perfluoroheptanoic acid (PFHpA)	2.00	2.11	J	ng/L		105	50 - 150
Perfluorononanoic acid (PFNA)	2.00	2.13	J	ng/L		106	50 - 150
Perfluorotetradecanoic acid (PFTA)	2.00	1.87	J	ng/L		93	50 - 150
Perfluorotridecanoic acid (PFTrDA)	2.00	2.14	J	ng/L		107	50 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	2.00	2.22	J	ng/L		111	50 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	2.00	2.09	J	ng/L		104	50 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	2.00	1.96	J	ng/L		98	50 - 150

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
d5-NEtFOSAA	*95*		*70 - 130*
13C2 PFHxA	*96*		*70 - 130*
13C2 PFDA	*103*		*70 - 130*
13C3-GenX	*86*		*70 - 130*

Lab Sample ID: 380-186130-B-1-A MS
Matrix: Water
Analysis Batch: 191006

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 190874

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	25.1		ng/L		100	70 - 130
Perfluorooctanesulfonic acid (PFOS)	3.5		25.2	29.5		ng/L		103	70 - 130
Perfluoroundecanoic acid (PFUnA)	<2.0		25.2	26.4		ng/L		105	70 - 130
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<2.0		25.2	25.5		ng/L		102	70 - 130

Method: 537.1 - Perfluorinated Alkyl Acids (LC/MS) (Continued)

Lab Sample ID: 380-186130-B-1-A MS
Matrix: Water
Analysis Batch: 191006

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 190874

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<2.0		25.2	26.0		ng/L		103	70 - 130
Perfluorohexanoic acid (PFHxA)	<2.0		25.2	26.9		ng/L		102	70 - 130
Perfluorododecanoic acid (PFDoA)	<2.0		25.2	26.1		ng/L		104	70 - 130
Perfluorooctanoic acid (PFOA)	<2.0		25.2	27.4		ng/L		104	70 - 130
Perfluorodecanoic acid (PFDA)	<2.0		25.2	26.2		ng/L		104	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	3.8		25.2	30.6		ng/L		107	70 - 130
Perfluorobutanesulfonic acid (PFBS)	<2.0		25.2	26.9		ng/L		105	70 - 130
Perfluoroheptanoic acid (PFHpA)	<2.0		25.2	26.1		ng/L		101	70 - 130
Perfluorononanoic acid (PFNA)	<2.0		25.2	25.8		ng/L		103	70 - 130
Perfluorotetradecanoic acid (PFTA)	<2.0		25.2	23.3		ng/L		92	70 - 130
Perfluorotridecanoic acid (PFTrDA)	<2.0		25.2	27.1		ng/L		108	70 - 130
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	<2.0		25.2	26.3		ng/L		105	70 - 130
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	<2.0		25.2	25.7		ng/L		102	70 - 130
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<2.0		25.2	25.4		ng/L		101	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
d5-NEtFOSAA	*107*		*70 - 130*
13C2 PFHxA	*108*		*70 - 130*
13C2 PFDA	*110*		*70 - 130*
13C3-GenX	*101*		*70 - 130*

Lab Sample ID: 380-186130-C-1-A MSD
Matrix: Water
Analysis Batch: 191006

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 190874

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	<2.0		25.1	26.1		ng/L		104	70 - 130	4	30
Perfluorooctanesulfonic acid (PFOS)	3.5		25.1	30.2		ng/L		106	70 - 130	2	30
Perfluoroundecanoic acid (PFUnA)	<2.0		25.1	26.3		ng/L		105	70 - 130	1	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<2.0		25.1	26.7		ng/L		106	70 - 130	4	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<2.0		25.1	25.4		ng/L		101	70 - 130	2	30
Perfluorohexanoic acid (PFHxA)	<2.0		25.1	27.4		ng/L		104	70 - 130	2	30
Perfluorododecanoic acid (PFDoA)	<2.0		25.1	26.3		ng/L		105	70 - 130	1	30
Perfluorooctanoic acid (PFOA)	<2.0		25.1	27.8		ng/L		106	70 - 130	1	30
Perfluorodecanoic acid (PFDA)	<2.0		25.1	26.8		ng/L		107	70 - 130	2	30

Method: 537.1 - Perfluorinated Alkyl Acids (LC/MS) (Continued)

Lab Sample ID: 380-186130-C-1-A MSD
Matrix: Water
Analysis Batch: 191006

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 190874

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorohexanesulfonic acid (PFHxS)	3.8		25.1	31.7		ng/L		111	70 - 130	3	30
Perfluorobutanesulfonic acid (PFBS)	<2.0		25.1	27.5		ng/L		108	70 - 130	2	30
Perfluoroheptanoic acid (PFHpA)	<2.0		25.1	26.4		ng/L		103	70 - 130	1	30
Perfluorononanoic acid (PFNA)	<2.0		25.1	27.2		ng/L		108	70 - 130	5	30
Perfluorotetradecanoic acid (PFTA)	<2.0		25.1	21.7		ng/L		87	70 - 130	7	30
Perfluorotridecanoic acid (PFTrDA)	<2.0		25.1	27.5		ng/L		110	70 - 130	1	30
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	<2.0		25.1	26.8		ng/L		107	70 - 130	2	30
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	<2.0		25.1	26.8		ng/L		107	70 - 130	4	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<2.0		25.1	26.4		ng/L		105	70 - 130	4	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
d5-NEtFOSAA	*104*		*70 - 130*
13C2 PFHxA	*104*		*70 - 130*
13C2 PFDA	*105*		*70 - 130*
13C3-GenX	*104*		*70 - 130*

LCMS

Prep Batch: 190702

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-186132-1	Ka'amilo Wells P1	Total/NA	Water	533	
380-186132-2	FB: Ka'amilo Wells P1	Total/NA	Water	533	
380-186132-3	Ka'amilo Wells P2	Total/NA	Water	533	
380-186132-4	FB: Ka'amilo Wells P2	Total/NA	Water	533	
380-186132-5	AIEA WELLS PUMPS 1&2 P2 (260) (331-203-TP	Total/NA	Drinking Water	533	
380-186132-6	FB: AIEA WELLS PUMPS 1&2 (260) (331-203-TF	Total/NA	Water	533	
MBL 380-190702/22-A	Method Blank	Total/NA	Water	533	
LCS 380-190702/24-A	Lab Control Sample	Total/NA	Water	533	
MRL 380-190702/23-A	Lab Control Sample	Total/NA	Water	533	
380-185935-B-1-A MS	Matrix Spike	Total/NA	Water	533	
380-185935-C-1-A MSD	Matrix Spike Duplicate	Total/NA	Water	533	

Prep Batch: 190874

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-186132-1	Ka'amilo Wells P1	Total/NA	Water	537.1 DW	
380-186132-2	FB: Ka'amilo Wells P1	Total/NA	Water	537.1 DW	
380-186132-3	Ka'amilo Wells P2	Total/NA	Water	537.1 DW	
380-186132-4	FB: Ka'amilo Wells P2	Total/NA	Water	537.1 DW	
380-186132-5	AIEA WELLS PUMPS 1&2 P2 (260) (331-203-TP	Total/NA	Drinking Water	537.1 DW	
380-186132-6	FB: AIEA WELLS PUMPS 1&2 (260) (331-203-TF	Total/NA	Water	537.1 DW	
MBL 380-190874/19-A	Method Blank	Total/NA	Water	537.1 DW	
LCS 380-190874/21-A	Lab Control Sample	Total/NA	Water	537.1 DW	
MRL 380-190874/20-A	Lab Control Sample	Total/NA	Water	537.1 DW	
380-186130-B-1-A MS	Matrix Spike	Total/NA	Water	537.1 DW	
380-186130-C-1-A MSD	Matrix Spike Duplicate	Total/NA	Water	537.1 DW	

Analysis Batch: 190882

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-186132-1	Ka'amilo Wells P1	Total/NA	Water	533	190702
380-186132-2	FB: Ka'amilo Wells P1	Total/NA	Water	533	190702
380-186132-3	Ka'amilo Wells P2	Total/NA	Water	533	190702
380-186132-4	FB: Ka'amilo Wells P2	Total/NA	Water	533	190702
380-186132-5	AIEA WELLS PUMPS 1&2 P2 (260) (331-203-TP	Total/NA	Drinking Water	533	190702
380-186132-6	FB: AIEA WELLS PUMPS 1&2 (260) (331-203-TF	Total/NA	Water	533	190702
MBL 380-190702/22-A	Method Blank	Total/NA	Water	533	190702
LCS 380-190702/24-A	Lab Control Sample	Total/NA	Water	533	190702
MRL 380-190702/23-A	Lab Control Sample	Total/NA	Water	533	190702
380-185935-B-1-A MS	Matrix Spike	Total/NA	Water	533	190702
380-185935-C-1-A MSD	Matrix Spike Duplicate	Total/NA	Water	533	190702

Analysis Batch: 191006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-186132-1	Ka'amilo Wells P1	Total/NA	Water	537.1	190874
380-186132-2	FB: Ka'amilo Wells P1	Total/NA	Water	537.1	190874
380-186132-3	Ka'amilo Wells P2	Total/NA	Water	537.1	190874
380-186132-4	FB: Ka'amilo Wells P2	Total/NA	Water	537.1	190874
380-186132-5	AIEA WELLS PUMPS 1&2 P2 (260) (331-203-TP	Total/NA	Drinking Water	537.1	190874
380-186132-6	FB: AIEA WELLS PUMPS 1&2 (260) (331-203-TF	Total/NA	Water	537.1	190874
MBL 380-190874/19-A	Method Blank	Total/NA	Water	537.1	190874
LCS 380-190874/21-A	Lab Control Sample	Total/NA	Water	537.1	190874
MRL 380-190874/20-A	Lab Control Sample	Total/NA	Water	537.1	190874

LCMS (Continued)

Analysis Batch: 191006 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-186130-B-1-A MS	Matrix Spike	Total/NA	Water	537.1	190874
380-186130-C-1-A MSD	Matrix Spike Duplicate	Total/NA	Water	537.1	190874

Lab Chronicle

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

Job ID: 380-186132-1
SDG: PFAS: Ka'amilo Wells P1/P2, Aiea Wells Pumps 1&2 P2

Client Sample ID: Ka'amilo Wells P1
Date Collected: 12/02/25 10:59
Date Received: 12/04/25 10:25

Lab Sample ID: 380-186132-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			190702	E9PK	EA POM	12/07/25 16:27
Total/NA	Analysis	533		1	190882	SZ9R	EA POM	12/08/25 11:16
Total/NA	Prep	537.1 DW			190874	G9MN	EA POM	12/08/25 03:26
Total/NA	Analysis	537.1		1	191006	SZ9R	EA POM	12/08/25 18:43

Client Sample ID: FB: Ka'amilo Wells P1
Date Collected: 12/02/25 10:59
Date Received: 12/04/25 10:25

Lab Sample ID: 380-186132-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			190702	E9PK	EA POM	12/07/25 16:27
Total/NA	Analysis	533		1	190882	SZ9R	EA POM	12/08/25 11:35
Total/NA	Prep	537.1 DW			190874	G9MN	EA POM	12/08/25 03:26
Total/NA	Analysis	537.1		1	191006	SZ9R	EA POM	12/08/25 18:53

Client Sample ID: Ka'amilo Wells P2
Date Collected: 12/02/25 11:44
Date Received: 12/04/25 10:25

Lab Sample ID: 380-186132-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			190702	E9PK	EA POM	12/07/25 16:27
Total/NA	Analysis	533		1	190882	SZ9R	EA POM	12/08/25 11:45
Total/NA	Prep	537.1 DW			190874	G9MN	EA POM	12/08/25 03:26
Total/NA	Analysis	537.1		1	191006	SZ9R	EA POM	12/08/25 19:03

Client Sample ID: FB: Ka'amilo Wells P2
Date Collected: 12/02/25 11:44
Date Received: 12/04/25 10:25

Lab Sample ID: 380-186132-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			190702	E9PK	EA POM	12/07/25 16:27
Total/NA	Analysis	533		1	190882	SZ9R	EA POM	12/08/25 11:54
Total/NA	Prep	537.1 DW			190874	G9MN	EA POM	12/08/25 03:26
Total/NA	Analysis	537.1		1	191006	SZ9R	EA POM	12/08/25 19:12

Client Sample ID: AIEA WELLS PUMPS 1&2 P2 (260) (331-203-TP400)
Date Collected: 12/02/25 10:31
Date Received: 12/04/25 10:25

Lab Sample ID: 380-186132-5
Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			190702	E9PK	EA POM	12/07/25 16:27
Total/NA	Analysis	533		1	190882	SZ9R	EA POM	12/08/25 12:04
Total/NA	Prep	537.1 DW			190874	G9MN	EA POM	12/08/25 03:26
Total/NA	Analysis	537.1		1	191006	SZ9R	EA POM	12/08/25 19:22

Lab Chronicle

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

Job ID: 380-186132-1
SDG: PFAS: Ka'amilo Wells P1/P2, Aiea Wells Pumps 1&2 P2

Client Sample ID: FB: AIEA WELLS PUMPS 1&2 (260) (331-203-TP400)

Lab Sample ID: 380-186132-6

Date Collected: 12/02/25 10:31
Date Received: 12/04/25 10:25

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	533			190702	E9PK	EA POM	12/07/25 16:27
Total/NA	Analysis	533		1	190882	SZ9R	EA POM	12/08/25 12:14
Total/NA	Prep	537.1 DW			190874	G9MN	EA POM	12/08/25 03:26
Total/NA	Analysis	537.1		1	191006	SZ9R	EA POM	12/08/25 19:31

Laboratory References:

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

Accreditation/Certification Summary

Client: City & County of Honolulu
Job ID: 380-186132-1
Project/Site: RED-HILL
SDG: PFAS: Ka'amilo Wells P1/P2, Aiea Wells Pumps 1&2 P2

Laboratory: Eurofins Eaton Analytical Pomona

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

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

Method Summary

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

Job ID: 380-186132-1
SDG: PFAS: Ka'amilo Wells P1/P2, Aiea Wells Pumps 1&2 P2

Method	Method Description	Protocol	Laboratory
533	Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water	EPA	EA POM
537.1	Perfluorinated Alkyl Acids (LC/MS)	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 Eaton Analytical 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: 380-186132-1
SDG: PFAS: Ka'amilo Wells P1/P2, Aiea Wells Pumps 1&2 P2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
380-186132-1	Ka'amilo Wells P1	Water	12/02/25 10:59	12/04/25 10:25	Hawaii
380-186132-2	FB: Ka'amilo Wells P1	Water	12/02/25 10:59	12/04/25 10:25	Hawaii
380-186132-3	Ka'amilo Wells P2	Water	12/02/25 11:44	12/04/25 10:25	Hawaii
380-186132-4	FB: Ka'amilo Wells P2	Water	12/02/25 11:44	12/04/25 10:25	Hawaii
380-186132-5	AIEA WELLS PUMPS 1&2 P2 (260) (331-203-TP400)	Drinking Water	12/02/25 10:31	12/04/25 10:25	Hawaii
380-186132-6	FB: AIEA WELLS PUMPS 1&2 (260) (331-203-TP400)	Water	12/02/25 10:31	12/04/25 10:25	Hawaii

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: bailey	Lab PM: Arada Rachelle	Carrier Tracking No(s):	COC No: 380-27941-2757 2
Client Contact: kirk Iwamoto	Phone: +1 808 748 5840	E-Mail: Rachelle.Arada@et.euronisus.com	State of Origin:	Page: Page 2 of 2
Company: City & County of Honolulu	PWSID:			Job #:
Address: 630 South Beretania Street; Chemistry Lab	Due Date Requested:			
City: Honolulu	TAT Requested (days): RUSH			
State, Zip: HI 96843	Compliance Project: Δ No			
Phone: 808-748-5840 (tel)	PO #: C20525101 exp 05312023			
Email: kiwamoto@hbws.org	WO #:			
Project Name: RED-HILL/HBWS sites Event Desc: RUSH Weekly Red Hill	Project #: 38001111			
Site:	SSOW#:			

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SUBCONTRACT 625 PAH Physis LL (EAL) + TICs	8015B_GRO_LL (MOD) GRO	8015B_DRO_LL_CS HNL Ranges C10-C24/C24-C36/C8-C18	525.2_PREC - (MOD) 525plus PLUS TICs	537 1_DW_PREC 537 1 Full List	533 All Analytes	Total Number of containers	Special Instructions/Note:
				Preservation Code:			R	A	Q	QA	Y	I		
Ka'amilo Wells P1	2-Dec-2025	1059	G	Water							3	3		
Ka'amilo Wells P2	2-Dec-2025	1144	G	Water							3	3		
Aiea Wells Pumps 1&2 (260) P2	2-Dec-2025	1031	G	Water							3	3		
FB: Ka'amilo Wells P1	2-Dec-2025	1059		Water							1	1		
FB: Ka'amilo Wells P2	2-Dec-2025	1144		Water							1	1		380-186132 COC
FB: Aiea Wells Pumps 1&2 (260) P2	2-Dec-2025	1031		Water							1	1		

Preservation Codes

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

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

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

Deliverable Requested I II III IV Other (specify)

Special Instructions/QC Requirements.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment: (Fedex) 5867 0293 8350		
[redacted]	Date/Time: 03december2025 1400	Company: HBWS	Received by: Bill A Drake G	Date/Time: 12/4/25 1025	Company: EEAP
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks: TS1A) 3.3-0.0=3.3 Gel frozen

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-186132-1

SDG Number: PFAS: Ka'amilo Wells P1/P2, Aiea Wells Pumps 1&2 P2

Login Number: 186132

List Source: Eurofins Eaton Analytical Pomona

List Number: 1

Creator: Sanchez, Joseph G

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	
ClO4 headspace requirement met (>50% for CA, >30% for other states).	N/A	
Samples do not require splitting or compositing.	True	
Container provided by EEA	True	