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ANALYTICAL REPORT

PREPARED FOR

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

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JOB DESCRIPTION

RED-HILL
Weekly: Aiea Wells Pumps 1&2 P2
RUSH Weekly Red Hill

JOB NUMBER

380-189453-1

Eurofins Pomona
941 Corporate Center Drive
Pomona CA 91768-2642

See page two for job notes and contact information.

Job Notes

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

The test results in this report relate only to the samples as received by the laboratory and meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Drinking Water and Wastewater West, LLC Project Manager.

Compliance Statement

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

Authorization

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Authorized for release by
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Table of Contents

Definitions/Glossary

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

Job ID: 380-189453-1
SDG: Weekly: Aiea Wells Pumps 1&2 P2

Qualifiers

GC Semi VOA

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.
S1+	Surrogate recovery exceeds control limits, high biased.

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
380-189453-1

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 12/24/2025 10:37 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.7°C and 3.1°C.

GC/MS Semi VOA
Method 525.2_PREC: The following sample was provided to the laboratory with a significantly different initial volume than that required by the reference method: AIEA WELLS PUMPS 1&2 (260) P2 (331-203-TP400) (380-189453-1). The method requires 1000mL. The amount provided was 966mL. A correction factor of 1.04 will be applied. Due to this correction factor affecting the reporting limits. Analysis for 525.2_PREC was canceled for AIEA WELLS PUMPS 1&2 (260) P2 (331-203-TP400) (380-189453-1). The sample is collected weekly thus a follow up sample was collected on 01/05/2026 under job # 380-190909-1. Analysis by EPA 525.2_PREC us currently in progress. (XWB4)

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

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

Diesel Range Organics
Method 8015B_DRO_LL_CS: Surrogate recovery was outside acceptance limits for the following matrix spike duplicate (MSD) sample: (380-189454-A-1-B MSD). The parent sample's surrogate recovery was within limits. The MSD sample has been qualified and reported.

Method 8015B_DRO_LL_CS: The laboratory control sample (LCS) for preparation batch 570-675474 and analytical batch 570-679396 recovered outside control limits for the following analytes: n-Octacosane (Surr). These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8015B_DRO_LL_CS: The method reporting limit check (MRL) for preparation batch 570-675474 and analytical batch 570-679714 recovered outside control limits for the following analytes: n-Octacosane (Surr). These analytes were biased high in the MRL and were not detected in the associated samples; therefore, the data have been reported.

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: 380-189453-1
SDG: Weekly: Aiea Wells Pumps 1&2 P2

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

Lab Sample ID: 380-189453-1

PWSID Number: HI0000331

No Detections.

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

Lab Sample ID: 380-189453-2

No Detections.

This Detection Summary does not include radiochemical test results.

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

Date Collected: 12/22/25 09:30
Date Received: 12/24/25 10:37

Lab Sample ID: 380-189453-1

Matrix: Drinking Water
PWSID Number: HI0000331

Method: EPA 625.1 SIM - Semivolatile Organic Compounds GC/MS (SIM)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.20		0.20		ug/L		12/27/25 08:18	01/07/26 13:34	1
2-Methylnaphthalene	<0.20		0.20		ug/L		12/27/25 08:18	01/07/26 13:34	1
Acenaphthene	<0.20		0.20		ug/L		12/27/25 08:18	01/07/26 13:34	1
Acenaphthylene	<0.20		0.20		ug/L		12/27/25 08:18	01/07/26 13:34	1
Anthracene	<0.20		0.20		ug/L		12/27/25 08:18	01/07/26 13:34	1
Benzo[a]anthracene	<0.20		0.20		ug/L		12/27/25 08:18	01/07/26 13:34	1
Benzo[a]pyrene	<0.20		0.20		ug/L		12/27/25 08:18	01/07/26 13:34	1
Benzo[b]fluoranthene	<0.20		0.20		ug/L		12/27/25 08:18	01/07/26 13:34	1
Benzo[g,h,i]perylene	<0.20		0.20		ug/L		12/27/25 08:18	01/07/26 13:34	1
Benzo[k]fluoranthene	<0.20		0.20		ug/L		12/27/25 08:18	01/07/26 13:34	1
Chrysene	<0.20		0.20		ug/L		12/27/25 08:18	01/07/26 13:34	1
Dibenz(a,h)anthracene	<0.20		0.20		ug/L		12/27/25 08:18	01/07/26 13:34	1
Fluoranthene	<0.20		0.20		ug/L		12/27/25 08:18	01/07/26 13:34	1
Fluorene	<0.20		0.20		ug/L		12/27/25 08:18	01/07/26 13:34	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20		ug/L		12/27/25 08:18	01/07/26 13:34	1
Naphthalene	<0.20		0.20		ug/L		12/27/25 08:18	01/07/26 13:34	1
Phenanthrene	<0.20		0.20		ug/L		12/27/25 08:18	01/07/26 13:34	1
Pyrene	<0.20		0.20		ug/L		12/27/25 08:18	01/07/26 13:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*88*		*28 - 127*	*12/27/25 08:18*	*01/07/26 13:34*	*1*
2-Fluorobiphenyl (Surr)	*85*		*31 - 120*	*12/27/25 08:18*	*01/07/26 13:34*	*1*
2-Fluorophenol (Surr)	*59*		*17 - 120*	*12/27/25 08:18*	*01/07/26 13:34*	*1*
Nitrobenzene-d5 (Surr)	*94*		*27 - 120*	*12/27/25 08:18*	*01/07/26 13:34*	*1*
Phenol-d6 (Surr)	*36*		*10 - 120*	*12/27/25 08:18*	*01/07/26 13:34*	*1*
p-Terphenyl-d14 (Surr)	*93*		*45 - 120*	*12/27/25 08:18*	*01/07/26 13:34*	*1*

Method: EPA 625.1 - Semivolatile Organic Compounds (GC/MS)

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*	*12/27/25 08:18*	*01/09/26 19:27*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*77*		*33 - 139*	*12/27/25 08:18*	*01/09/26 19:27*	*1*
2-Fluorobiphenyl (Surr)	*76*		*33 - 126*	*12/27/25 08:18*	*01/09/26 19:27*	*1*
2-Fluorophenol (Surr)	*61*		*12 - 120*	*12/27/25 08:18*	*01/09/26 19:27*	*1*
Nitrobenzene-d5 (Surr)	*89*		*36 - 120*	*12/27/25 08:18*	*01/09/26 19:27*	*1*
Phenol-d6 (Surr)	*34*		*10 - 120*	*12/27/25 08:18*	*01/09/26 19:27*	*1*
p-Terphenyl-d14 (Surr)	*86*		*47 - 131*	*12/27/25 08:18*	*01/09/26 19:27*	*1*

Method: SW846 8015B GRO LL - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10		ug/L			12/28/25 21:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*38 - 134*		*12/28/25 21:58*	*1*

Method: SW846 8015B - Diesel Range Organics (DRO) (GC) Low Level - RA

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<27		27		ug/L		12/27/25 09:07	01/07/26 19:39	1

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

Job ID: 380-189453-1
SDG: Weekly: Aiea Wells Pumps 1&2 P2

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

Lab Sample ID: 380-189453-1

Date Collected: 12/22/25 09:30
Date Received: 12/24/25 10:37

Matrix: Drinking Water
PWSID Number: HI0000331

Method: SW846 8015B - Diesel Range Organics (DRO) (GC) Low Level - RA (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil Range Organics [C24-C36]	<27		27		ug/L		12/27/25 09:07	01/07/26 19:39	1
C8-C18	<27		27		ug/L		12/27/25 09:07	01/07/26 19:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*129*		*60 - 130*	*12/27/25 09:07*	*01/07/26 19:39*	*1*

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

Lab Sample ID: 380-189453-2

Date Collected: 12/22/25 09:30
Date Received: 12/24/25 10:37

Matrix: Water

Method: SW846 8015B GRO LL - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10		ug/L			12/28/25 21:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*38 - 134*		*12/28/25 21:36*	*1*

Action Limit Summary

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

Job ID: 380-189453-1
SDG: Weekly: Aiea Wells Pumps 1&2 P2

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

Lab Sample ID: 380-189453-1

PWSID Number: HI0000331

Compliance Check

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

Analyte	Result	Qualifier	Unit	EPAMCL Limit	RL	Method	Prep Type
Benzo[a]pyrene	<0.20		ug/L	0.2	0.20	625.1 SIM	Total/NA

Surrogate Summary

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

Job ID: 380-189453-1
SDG: Weekly: Aiea Wells Pumps 1&2 P2

Method: 625.1 - Semivolatile Organic Compounds (GC/MS)

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

		Percent Surrogate Recovery (Acceptance Limits)							
		TBP	FBP	2FP	NBZ	PHL6	TPHd14		
Lab Sample ID	Client Sample ID	(33-139)	(33-126)	(12-120)	(36-120)	(10-120)	(47-131)		
380-189453-1	AIEA WELLS PUMPS 1&2 (260)	77	76	61	89	34	86		

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL6 = Phenol-d6 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)

Method: 625.1 - Semivolatile Organic Compounds (GC/MS)

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

		Percent Surrogate Recovery (Acceptance Limits)							
		TBP	FBP	2FP	NBZ	PHL6	TPHd14		
Lab Sample ID	Client Sample ID	(33-139)	(33-126)	(12-120)	(36-120)	(10-120)	(47-131)		
MB 570-675514/1-A	Method Blank	88	76	58	89	35	92		

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL6 = Phenol-d6 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)

Method: 625.1 SIM - Semivolatile Organic Compounds GC/MS (SIM)

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

		Percent Surrogate Recovery (Acceptance Limits)							
		TBP	FBP	2FP	NBZ	PHL6	TPHd14		
Lab Sample ID	Client Sample ID	(28-127)	(31-120)	(17-120)	(27-120)	(10-120)	(45-120)		
380-189453-1	AIEA WELLS PUMPS 1&2 (260)	88	85	59	94	36	93		

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL6 = Phenol-d6 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)

Method: 625.1 SIM - Semivolatile Organic Compounds GC/MS (SIM)

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

		Percent Surrogate Recovery (Acceptance Limits)							
		TBP	FBP	2FP	NBZ	PHL6	TPHd14		
Lab Sample ID	Client Sample ID	(28-127)	(31-120)	(17-120)	(27-120)	(10-120)	(45-120)		
LCS 570-675514/2-A	Lab Control Sample	46	43	32	38	21	50		
LCSD 570-675514/3-A	Lab Control Sample Dup	43	43	32	37	21	49		
MB 570-675514/1-A	Method Blank	89	83	61	89	38	93		

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL6 = Phenol-d6 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)

Method: 8015B GRO LL - Gasoline Range Organics - (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	BFB1 (38-134)
380-189453-1	AIEA WELLS PUMPS 1&2 (260)	104

Surrogate Legend
BFB = 4-Bromofluorobenzene (Surr)

Method: 8015B GRO LL - Gasoline Range Organics - (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	BFB1 (38-134)
380-189446-E-1 MS	Matrix Spike	103
380-189446-E-1 MSD	Matrix Spike Duplicate	101
380-189453-2	TB: AIEA WELLS PUMPS 1&2 (260) (331-203-TP400)	103
LCS 570-675935/4	Lab Control Sample	100
LCSD 570-675935/5	Lab Control Sample Dup	105
MB 570-675935/6	Method Blank	101
MRL 570-675935/3	Lab Control Sample	93

Surrogate Legend
BFB = 4-Bromofluorobenzene (Surr)

Method: 8015B - Diesel Range Organics (DRO) (GC) Low Level

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

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	OTCSN1 (60-130)
380-189453-1 - RA	AIEA WELLS PUMPS 1&2 (260)	129

Surrogate Legend
OTCSN = n-Octacosane (Surr)

Method: 8015B - Diesel Range Organics (DRO) (GC) Low Level

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

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	OTCSN1 (60-130)
380-189454-A-1-A MS	Matrix Spike	116
380-189454-A-1-B MSD	Matrix Spike Duplicate	144 S1+
LCS 570-675474/2-A	Lab Control Sample	131 S1+
LCSD 570-675474/3-A	Lab Control Sample Dup	112
MB 570-675474/1-A	Method Blank	97
MRL 570-675474/4-A	Lab Control Sample	153

Surrogate Summary

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

Job ID: 380-189453-1
SDG: Weekly: Aiea Wells Pumps 1&2 P2

Surrogate Legend

OTCSN = n-Octacosane (Surr)

Method: 625.1 - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 570-675514/1-A
Matrix: Water
Analysis Batch: 680467

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 675514

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A	12/26/25 13:32	01/09/26 18:16	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	88		33 - 139	12/26/25 13:32	01/09/26 18:16	1
2-Fluorobiphenyl (Surr)	76		33 - 126	12/26/25 13:32	01/09/26 18:16	1
2-Fluorophenol (Surr)	58		12 - 120	12/26/25 13:32	01/09/26 18:16	1
Nitrobenzene-d5 (Surr)	89		36 - 120	12/26/25 13:32	01/09/26 18:16	1
Phenol-d6 (Surr)	35		10 - 120	12/26/25 13:32	01/09/26 18:16	1
p-Terphenyl-d14 (Surr)	92		47 - 131	12/26/25 13:32	01/09/26 18:16	1

Method: 625.1 SIM - Semivolatile Organic Compounds GC/MS (SIM)

Lab Sample ID: MB 570-675514/1-A
Matrix: Water
Analysis Batch: 679405

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 675514

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.20		0.20		ug/L		12/26/25 13:32	01/06/26 20:21	1
2-Methylnaphthalene	<0.20		0.20		ug/L		12/26/25 13:32	01/06/26 20:21	1
Acenaphthene	<0.20		0.20		ug/L		12/26/25 13:32	01/06/26 20:21	1
Acenaphthylene	<0.20		0.20		ug/L		12/26/25 13:32	01/06/26 20:21	1
Anthracene	<0.20		0.20		ug/L		12/26/25 13:32	01/06/26 20:21	1
Benzo[a]anthracene	<0.20		0.20		ug/L		12/26/25 13:32	01/06/26 20:21	1
Benzo[a]pyrene	<0.20		0.20		ug/L		12/26/25 13:32	01/06/26 20:21	1
Benzo[b]fluoranthene	<0.20		0.20		ug/L		12/26/25 13:32	01/06/26 20:21	1
Benzo[g,h,i]perylene	<0.20		0.20		ug/L		12/26/25 13:32	01/06/26 20:21	1
Benzo[k]fluoranthene	<0.20		0.20		ug/L		12/26/25 13:32	01/06/26 20:21	1
Chrysene	<0.20		0.20		ug/L		12/26/25 13:32	01/06/26 20:21	1
Dibenz(a,h)anthracene	<0.20		0.20		ug/L		12/26/25 13:32	01/06/26 20:21	1
Fluoranthene	<0.20		0.20		ug/L		12/26/25 13:32	01/06/26 20:21	1
Fluorene	<0.20		0.20		ug/L		12/26/25 13:32	01/06/26 20:21	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20		ug/L		12/26/25 13:32	01/06/26 20:21	1
Naphthalene	<0.20		0.20		ug/L		12/26/25 13:32	01/06/26 20:21	1
Phenanthrene	<0.20		0.20		ug/L		12/26/25 13:32	01/06/26 20:21	1
Pyrene	<0.20		0.20		ug/L		12/26/25 13:32	01/06/26 20:21	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	89		28 - 127	12/26/25 13:32	01/06/26 20:21	1
2-Fluorobiphenyl (Surr)	83		31 - 120	12/26/25 13:32	01/06/26 20:21	1
2-Fluorophenol (Surr)	61		17 - 120	12/26/25 13:32	01/06/26 20:21	1
Nitrobenzene-d5 (Surr)	89		27 - 120	12/26/25 13:32	01/06/26 20:21	1
Phenol-d6 (Surr)	38		10 - 120	12/26/25 13:32	01/06/26 20:21	1
p-Terphenyl-d14 (Surr)	93		45 - 120	12/26/25 13:32	01/06/26 20:21	1

Method: 625.1 SIM - Semivolatile Organic Compounds GC/MS (SIM) (Continued)

Lab Sample ID: LCS 570-675514/2-A
Matrix: Water
Analysis Batch: 679405

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 675514

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1-Methylnaphthalene			20.0	15.9		ug/L		79	47 - 120		
2-Methylnaphthalene			20.0	15.7		ug/L		78	43 - 120		
Acenaphthene			20.0	19.0		ug/L		95	60 - 132		
Acenaphthylene			20.0	19.1		ug/L		96	54 - 126		
Anthracene			20.0	19.0		ug/L		95	43 - 120		
Benzo[a]anthracene			20.0	21.4		ug/L		107	42 - 133		
Benzo[a]pyrene			20.0	19.7		ug/L		99	32 - 148		
Benzo[b]fluoranthene			20.0	21.4		ug/L		107	42 - 140		
Benzo[g,h,i]perylene			20.0	20.3		ug/L		101	1 - 195		
Benzo[k]fluoranthene			20.0	20.1		ug/L		100	25 - 146		
Chrysene			20.0	19.9		ug/L		100	44 - 140		
Dibenz(a,h)anthracene			20.0	22.1		ug/L		111	1 - 200		
Fluoranthene			20.0	20.3		ug/L		102	43 - 121		
Fluorene			20.0	19.6		ug/L		98	70 - 120		
Indeno[1,2,3-cd]pyrene			20.0	23.0		ug/L		115	1 - 151		
Naphthalene			20.0	14.6		ug/L		73	36 - 120		
Phenanthrene			20.0	19.4		ug/L		97	65 - 120		
Pyrene			20.0	20.9		ug/L		105	70 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*46*		*28 - 127*
2-Fluorobiphenyl (Surr)	*43*		*31 - 120*
2-Fluorophenol (Surr)	*32*		*17 - 120*
Nitrobenzene-d5 (Surr)	*38*		*27 - 120*
Phenol-d6 (Surr)	*21*		*10 - 120*
p-Terphenyl-d14 (Surr)	*50*		*45 - 120*

Lab Sample ID: LCSD 570-675514/3-A
Matrix: Water
Analysis Batch: 679405

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 675514

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene			20.0	15.9		ug/L		79	47 - 120	0	20
2-Methylnaphthalene			20.0	15.5		ug/L		78	43 - 120	1	20
Acenaphthene			20.0	18.6		ug/L		93	60 - 132	2	29
Acenaphthylene			20.0	18.7		ug/L		94	54 - 126	2	45
Anthracene			20.0	19.3		ug/L		96	43 - 120	1	40
Benzo[a]anthracene			20.0	20.9		ug/L		104	42 - 133	2	32
Benzo[a]pyrene			20.0	19.9		ug/L		100	32 - 148	1	43
Benzo[b]fluoranthene			20.0	20.1		ug/L		101	42 - 140	6	43
Benzo[g,h,i]perylene			20.0	19.8		ug/L		99	1 - 195	2	61
Benzo[k]fluoranthene			20.0	19.1		ug/L		95	25 - 146	5	38
Chrysene			20.0	19.4		ug/L		97	44 - 140	3	53
Dibenz(a,h)anthracene			20.0	21.4		ug/L		107	1 - 200	4	75
Fluoranthene			20.0	19.7		ug/L		99	43 - 121	3	40
Fluorene			20.0	18.9		ug/L		95	70 - 120	3	23
Indeno[1,2,3-cd]pyrene			20.0	21.9		ug/L		110	1 - 151	5	60
Naphthalene			20.0	14.4		ug/L		72	36 - 120	1	39

Method: 625.1 SIM - Semivolatile Organic Compounds GC/MS (SIM) (Continued)

Lab Sample ID: LCSD 570-675514/3-A
Matrix: Water
Analysis Batch: 679405

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 675514

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phenanthrene			20.0	18.7		ug/L		94	65 - 120	4	24
Pyrene			20.0	20.7		ug/L		103	70 - 120	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*43*		*28 - 127*
2-Fluorobiphenyl (Surr)	*43*		*31 - 120*
2-Fluorophenol (Surr)	*32*		*17 120*
Nitrobenzene-d5 (Surr)	*37*		*27 - 120*
Phenol-d6 (Surr)	*21*		*10 - 120*
p-Terphenyl-d14 (Surr)	*49*		*45 - 120*

Method: 8015B GRO LL - Gasoline Range Organics - (GC)

Lab Sample ID: MB 570-675935/6
Matrix: Water
Analysis Batch: 675935

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10		ug/L			12/28/25 12:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*38 - 134*		*12/28/25 12:55*	*1*

Lab Sample ID: LCS 570-675935/4
Matrix: Water
Analysis Batch: 675935

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (C4-C13)			400	389		ug/L		97	78 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*38 - 134*

Lab Sample ID: LCSD 570-675935/5
Matrix: Water
Analysis Batch: 675935

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)			400	396		ug/L		99	78 - 120	2	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*38 - 134*

Method: 8015B GRO LL - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: MRL 570-675935/3
Matrix: Water
Analysis Batch: 675935

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (C4-C13)			10.0	11.9		ug/L		119	50 - 150		

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*38 - 134*

Lab Sample ID: 380-189446-E-1 MS
Matrix: Water
Analysis Batch: 675935

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (C4-C13)	<10		400	412		ug/L		103	68 - 122		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*38 - 134*

Lab Sample ID: 380-189446-E-1 MSD
Matrix: Water
Analysis Batch: 675935

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)	<10		400	383		ug/L		96	68 - 122	7	18

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*38 - 134*

Method: 8015B - Diesel Range Organics (DRO) (GC) Low Level

Lab Sample ID: MB 570-675474/1-A
Matrix: Water
Analysis Batch: 679396

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 675474

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<25		25		ug/L		12/26/25 12:28	01/07/26 06:32	1
Motor Oil Range Organics [C24-C36]	<25		25		ug/L		12/26/25 12:28	01/07/26 06:32	1
C8-C18	<25		25		ug/L		12/26/25 12:28	01/07/26 06:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*97*		*60 - 130*	*12/26/25 12:28*	*01/07/26 06:32*	*1*

Lab Sample ID: LCS 570-675474/2-A
Matrix: Water
Analysis Batch: 679396

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 675474

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28			1600	1380		ug/L		87	56 - 127		

Method: 8015B - Diesel Range Organics (DRO) (GC) Low Level (Continued)

Lab Sample ID: LCS 570-675474/2-A
Matrix: Water
Analysis Batch: 679396

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 675474

Surrogate	LCS %Recovery	LCS Qualifier	Limits
n-Octacosane (Surr)	131	S1+	60 - 130

Lab Sample ID: LCSD 570-675474/3-A
Matrix: Water
Analysis Batch: 679396

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 675474

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28			1600	1380		ug/L		86	56 - 127	0	23

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
n-Octacosane (Surr)	112		60 - 130

Lab Sample ID: MRL 570-675474/4-A
Matrix: Water
Analysis Batch: 679714

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 675474

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28			0.0200	0.0231	J	mg/L		116	50 - 150		

Surrogate	MRL %Recovery	MRL Qualifier	Limits
n-Octacosane (Surr)	153		60 - 130

Lab Sample ID: 380-189454-A-1-A MS
Matrix: Water
Analysis Batch: 679714

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 675474

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28	<26		1680	1570		ug/L		93	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
n-Octacosane (Surr)	116		60 - 130

Lab Sample ID: 380-189454-A-1-B MSD
Matrix: Water
Analysis Batch: 679714

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 675474

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28	<26		1650	1460		ug/L		88	70 - 130	8	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
n-Octacosane (Surr)	144	S1+	60 - 130

QC Association Summary

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

Job ID: 380-189453-1
SDG: Weekly: Aiea Wells Pumps 1&2 P2

GC/MS Semi VOA

Prep Batch: 675514

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-189453-1	AIEA WELLS PUMPS 1&2 (260) P2 (331-203-TP	Total/NA	Drinking Water	625.1	
MB 570-675514/1-A	Method Blank	Total/NA	Water	625.1	
LCS 570-675514/2-A	Lab Control Sample	Total/NA	Water	625.1	
LCSD 570-675514/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	

Analysis Batch: 679405

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-675514/1-A	Method Blank	Total/NA	Water	625.1 SIM	675514
LCS 570-675514/2-A	Lab Control Sample	Total/NA	Water	625.1 SIM	675514
LCSD 570-675514/3-A	Lab Control Sample Dup	Total/NA	Water	625.1 SIM	675514

Analysis Batch: 679667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-189453-1	AIEA WELLS PUMPS 1&2 (260) P2 (331-203-TP	Total/NA	Drinking Water	625.1 SIM	675514

Analysis Batch: 680467

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-189453-1	AIEA WELLS PUMPS 1&2 (260) P2 (331-203-TP	Total/NA	Drinking Water	625.1	675514
MB 570-675514/1-A	Method Blank	Total/NA	Water	625.1	675514

GC VOA

Analysis Batch: 675935

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-189453-1	AIEA WELLS PUMPS 1&2 (260) P2 (331-203-TP	Total/NA	Drinking Water	8015B GRO LL	
380-189453-2	TB: AIEA WELLS PUMPS 1&2 (260) (331-203-TI	Total/NA	Water	8015B GRO LL	
MB 570-675935/6	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-675935/4	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-675935/5	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-675935/3	Lab Control Sample	Total/NA	Water	8015B GRO LL	
380-189446-E-1 MS	Matrix Spike	Total/NA	Water	8015B GRO LL	
380-189446-E-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B GRO LL	

GC Semi VOA

Prep Batch: 675474

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-189453-1 - RA	AIEA WELLS PUMPS 1&2 (260) P2 (331-203-TP	Total/NA	Drinking Water	3510C	
MB 570-675474/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-675474/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-675474/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MRL 570-675474/4-A	Lab Control Sample	Total/NA	Water	3510C	
380-189454-A-1-A MS	Matrix Spike	Total/NA	Water	3510C	
380-189454-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	

Analysis Batch: 679396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-675474/1-A	Method Blank	Total/NA	Water	8015B	675474
LCS 570-675474/2-A	Lab Control Sample	Total/NA	Water	8015B	675474
LCSD 570-675474/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	675474

QC Association Summary

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

Job ID: 380-189453-1
SDG: Weekly: Aiea Wells Pumps 1&2 P2

GC Semi VOA

Analysis Batch: 679714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-189453-1 - RA	AIEA WELLS PUMPS 1&2 (260) P2 (331-203-TP	Total/NA	Drinking Water	8015B	675474
MRL 570-675474/4-A	Lab Control Sample	Total/NA	Water	8015B	675474
380-189454-A-1-A MS	Matrix Spike	Total/NA	Water	8015B	675474
380-189454-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	8015B	675474

Lab Chronicle

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

Job ID: 380-189453-1
SDG: Weekly: Aiea Wells Pumps 1&2 P2

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

Lab Sample ID: 380-189453-1

Date Collected: 12/22/25 09:30
Date Received: 12/24/25 10:37

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	625.1			675514	VAW2	EET CAL 4	12/27/25 08:18
Total/NA	Analysis	625.1		1	680467	J7WE	EET CAL 4	01/09/26 19:27
Total/NA	Prep	625.1			675514	VAW2	EET CAL 4	12/27/25 08:18
Total/NA	Analysis	625.1 SIM		1	679667	PQS1	EET CAL 4	01/07/26 13:34
Total/NA	Analysis	8015B GRO LL		1	675935	AJG4	EET CAL 4	12/28/25 21:58
Total/NA	Prep	3510C	RA		675474	TVD6	EET CAL 4	12/27/25 09:07
Total/NA	Analysis	8015B	RA	1	679714	NR	EET CAL 4	01/07/26 19:39

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

Lab Sample ID: 380-189453-2

Date Collected: 12/22/25 09:30
Date Received: 12/24/25 10:37

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015B GRO LL		1	675935	AJG4	EET CAL 4	12/28/25 21:36

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Accreditation/Certification Summary

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

Job ID: 380-189453-1
SDG: Weekly: Aiea Wells Pumps 1&2 P2

Laboratory: Eurofins Calscience

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

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	7296.01	11-30-26
A2LA	ISO/IEC 17025	7296.01	11-30-26
Alaska (UST)	State	25-005	03-02-26
Arizona	State	AZ0830	11-17-26
California	Los Angeles County Sanitation Districts	9257304	07-31-26
California	SCAQMD LAP	17LA0919	11-30-26
California	State	3082	07-31-26
Kansas	NELAP	E-10420	07-31-26
Nevada	State	CA00111	07-31-26
Oregon	NELAP	4175	02-02-26
USDA	US Federal Programs	525-23-159-97150	06-08-26
Utah	NELAP	CA00111	02-28-26
Washington	State	C916	10-11-26

Method Summary

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

Job ID: 380-189453-1
SDG: Weekly: Aiea Wells Pumps 1&2 P2

Method	Method Description	Protocol	Laboratory
625.1	Semivolatile Organic Compounds (GC/MS)	EPA	EET CAL 4
625.1 SIM	Semivolatile Organic Compounds GC/MS (SIM)	EPA	EET CAL 4
8015B GRO LL	Gasoline Range Organics - (GC)	SW846	EET CAL 4
8015B	Diesel Range Organics (DRO) (GC) Low Level	SW846	EET CAL 4
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET CAL 4
5030C	Purge and Trap	SW846	EET CAL 4
625.1	Liquid-Liquid Extraction	40CFR136A	EET CAL 4

Protocol References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.
EPA = US Environmental Protection Agency
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Sample Summary

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

Job ID: 380-189453-1
SDG: Weekly: Aiea Wells Pumps 1&2 P2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	PWSID Number
380-189453-1	AIEA WELLS PUMPS 1&2 (260) P2 (331-203-TP400)	Drinking Water	12/22/25 09:30	12/24/25 10:37	HI0000331
380-189453-2	TB: AIEA WELLS PUMPS 1&2 (260) (331-203-TP400)	Water	12/22/25 09:30	12/24/25 10:37	

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

Chain of Custody Record

eurofins | Environment Testing

Client Information 12/22/25	Sampler: ~~Olaf Heppe~~ Allison Win	Lab PM: Arada, Rachelle	Carrier Tracking No(s):	COC No: 380-28005-2757.1
Client Contact: Kirk Iwamoto	Phone: +1 808 748 5840	E-Mail: Rachelle.Arada@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: City & County of Honolulu	PWSID:			Job #:
Address: 630 South Beretania Street Chemistry Lab	Due Date Requested:			
City: Honolulu	TAT Requested (days):			
State, Zip: HI, 96843	Compliance Project: Δ Yes 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: Hawaii	SSOW#:			

Analysis Requested

Preservation Codes:
R - NaThioSO4
RA - NaThio/HCl
Q - Na2SO3
QA - Na2SO3/HCl
Y - Trizma
I - NH4 Acetate
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=wasteoil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	625.1, 625.1_SIM	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	RA	Q	QA	Y	I		
Aiea Wells Pumps 1&2 (260) P2	12/22/25	9:30	G	Water			2	3	2	2				
Aiea Wells Pumps 1&2 (260) (Matrix Spike)	12/22/25	9:30	G	Water										
Aiea Wells Pumps 1&2 (260) (Matrix Spike Duplicate)	12/22/25	9:30	G	Water										
TB: Aiea Wells Pumps 1&2 (260)	12/22/25	9:30	G	Water				2						

380-189453 COC

Temp Blank: 2°C

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: 8873 5122 3271 FED

Relinquished by: [redacted]	Date/Time: 12/22/25 11:00	Company	Received by:	Date/Time: 12/24/25 1037	Company EEA
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: 0.7 / 0.7 6314 BLUE ICE

PENT / FROZEN

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

SHIP DATE: 22DEC25
ACTWGT: 58.00 LB
CAD: 258050552/INET4535

BILL RECIPIENT

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

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

FedEx Express

E

5 of 7
MPS# 0263 **8873 5122 3260**
Mstr# 8873 5122 3227

TUE - 23 DEC 12:00P
PRIORITY OVERNIGHT

0201

91768

WM ONTA

CA-US **ONT**

12/24/25 1037
3.1/3.1 Blue Ice
Part/Frozen

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

Loc: 380
189453

Eurofins Eaton Analytical Pomona
941 Corporate Center Drive
Pomona, CA 91768-2642
Phone: 626-386-1100

Chain of Custody Record

eurofins | En

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Lopez, Maria	Carrier Tracking No(s): N/A	COC No: 380-289702.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Maria.Lopez@et.eurofinsus.com	State of Origin: Hawaii	Page: Page 1 of 1
Company: Eurofins Environment Testing Southwest L		Accreditations Required (See note): State - Hawaii		Job #: 380-189453-1
Address: 2841 Dow Avenue, Suite 100,	Due Date Requested: 1/8/2026			Preservation Codes: -
City: Tustin	TAT Requested (days): N/A			
State, Zip: CA, 92780				
Phone: 714-895-5494(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: RED-HILL	Project #: 38001111			
Site: Honolulu BWS Sites	SSOW#: N/A			Other: N/A

380-189453 Chain of Custody

Analysis Requested

Sample Identification - Client ID (Lab ID)	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)	625.1_SIM/625_Prep(MOD) Extended PAH List	625.1/625_Prep(MOD) Tentatively Identified Compounds (Hold)	8015B_DRO_LL_CS/3510C_LL/HNL Ranges: C10-C24/C24-C36/C8-C18	8015B_GRO_LL/5030C(MOD) GRO	Total Number of Containers	Special Instructions/Note:
			Preservation Code:									
AIEA WELLS PUMPS 1&2 (260) P2 (331-203-TP400) (380-18945	12/22/25	09:30 Hawaiian	G	Water			X	X	X	X	7	, MRLs are needed. Confirm any hits >RL
TB: AIEA WELLS PUMPS 1&2 (260) (331-203-TP400) (380-1894	12/22/25	09:30 Hawaiian	G	Water						X	1	MRLs are needed.

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

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	12/26/25 1130	ECA	[signature]	12-26-25 1130	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	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: 1.9 | 2.1 | 1.5

Ver: 10/10/2024

1/13/2026

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-189453-1
SDG Number: Weekly: Aiea Wells Pumps 1&2 P2

Login Number: 189453
List Number: 1
Creator: Ngo, Theodore

List Source: Eurofins Pomona

Question	Answer	Comment
The coolers custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
Samples were received on ice.	True	
Cooler(s) Temperature is acceptable.	True	
Cooler(s) Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and is legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
ClO4 headspace requirement met (>50% for CA, >30% for other states).	N/A	
Samples do not require splitting or compositing.	True	
Container provided by EEA	True	

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-189453-1
SDG Number: Weekly: Aiea Wells Pumps 1&2 P2

Login Number: 189453
List Number: 2
Creator: Szymborski, Jessica

List Source: Eurofins Calscience
List Creation: 12/26/25 03:40 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.9/2.1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	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	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	