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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
Quarterly [Resample]

JOB NUMBER

380-115059-1

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

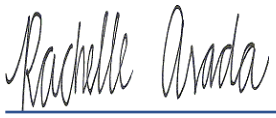
This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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
Rachelle Arada, Project Manager
Rachelle.Arada@et.eurofinsus.com
(626)386-1106

Table of Contents

Definitions/Glossary

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

Job ID: 380-115059-1
SDG: Quarterly [Resample]

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
B	Analyte was found in the associated method blank.
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
380-115059-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The sample was received on 9/27/2024 9:13 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.1°C.

GC/MS Semi VOA
Method 625.1: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-486955. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

Method 625.1_SIM: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-486955. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

Method 625.1_SIM: The method blank for preparation batch 570-486955 contained Benzo[g,h,i]perylene, Dibenz(a,h)anthracene and Indeno[1,2,3-cd]pyrene above the reporting limit (RL). None of the samples associated with this method blank contained the target compound; therefore, re-extraction and/or re-analysis of samples were not performed.

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: 380-115059-1
SDG: Quarterly [Resample]

Client Sample ID: AIEA WELLS P2 (260) (331-004-WL103) Lab Sample ID: 380-115059-1

No Detections.

This Detection Summary does not include radiochemical test results.

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

Job ID: 380-115059-1
SDG: Quarterly [Resample]

Client Sample ID: AIEA WELLS P2 (260) (331-004-WL103)
Date Collected: 09/26/24 10:05
Date Received: 09/27/24 09:13

Lab Sample ID: 380-115059-1
Matrix: Drinking Water

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		10/02/24 08:25	10/02/24 18:11	1
2-Methylnaphthalene	<0.20		0.20		ug/L		10/02/24 08:25	10/02/24 18:11	1
Acenaphthene	<0.20		0.20		ug/L		10/02/24 08:25	10/02/24 18:11	1
Acenaphthylene	<0.20		0.20		ug/L		10/02/24 08:25	10/02/24 18:11	1
Anthracene	<0.20		0.20		ug/L		10/02/24 08:25	10/02/24 18:11	1
Benzo[a]anthracene	<0.20		0.20		ug/L		10/02/24 08:25	10/02/24 18:11	1
Benzo[a]pyrene	<0.20		0.20		ug/L		10/02/24 08:25	10/02/24 18:11	1
Benzo[b]fluoranthene	<0.20	B	0.20		ug/L		10/02/24 08:25	10/02/24 18:11	1
Benzo[g,h,i]perylene	<0.20	B	0.20		ug/L		10/02/24 08:25	10/02/24 18:11	1
Benzo[k]fluoranthene	<0.20	B	0.20		ug/L		10/02/24 08:25	10/02/24 18:11	1
Chrysene	<0.20	B	0.20		ug/L		10/02/24 08:25	10/02/24 18:11	1
Dibenz(a,h)anthracene	<0.20	B	0.20		ug/L		10/02/24 08:25	10/02/24 18:11	1
Fluoranthene	<0.20		0.20		ug/L		10/02/24 08:25	10/02/24 18:11	1
Fluorene	<0.20		0.20		ug/L		10/02/24 08:25	10/02/24 18:11	1
Indeno[1,2,3-cd]pyrene	<0.20	B	0.20		ug/L		10/02/24 08:25	10/02/24 18:11	1
Naphthalene	<0.20		0.20		ug/L		10/02/24 08:25	10/02/24 18:11	1
Phenanthrene	<0.20		0.20		ug/L		10/02/24 08:25	10/02/24 18:11	1
Pyrene	<0.20		0.20		ug/L		10/02/24 08:25	10/02/24 18:11	1
2,4,5-Trichlorophenol	<4.9		4.9		ug/L		10/02/24 08:25	10/02/24 18:11	1
Aniline	<0.20		0.20		ug/L		10/02/24 08:25	10/02/24 18:11	1
Benzidine	<4.9		4.9		ug/L		10/02/24 08:25	10/02/24 18:11	1
2,4-Dichlorophenol	<0.99		0.99		ug/L		10/02/24 08:25	10/02/24 18:11	1
4-Chlorophenyl phenyl ether	<0.20		0.20		ug/L		10/02/24 08:25	10/02/24 18:11	1
4-Chloro-3-methylphenol	<0.99		0.99		ug/L		10/02/24 08:25	10/02/24 18:11	1
2-Nitrophenol	<4.9		4.9		ug/L		10/02/24 08:25	10/02/24 18:11	1
4-Nitroaniline	<4.9		4.9		ug/L		10/02/24 08:25	10/02/24 18:11	1
2,4,6-Trichlorophenol	<0.99		0.99		ug/L		10/02/24 08:25	10/02/24 18:11	1
2-Nitroaniline	<4.9		4.9		ug/L		10/02/24 08:25	10/02/24 18:11	1
4-Bromophenyl phenyl ether	<0.20		0.20		ug/L		10/02/24 08:25	10/02/24 18:11	1
4,6-Dinitro-2-methylphenol	<4.9		4.9		ug/L		10/02/24 08:25	10/02/24 18:11	1
2-Methylphenol	<0.99		0.99		ug/L		10/02/24 08:25	10/02/24 18:11	1
bis (2-Chloroisopropyl) ether	<0.20		0.20		ug/L		10/02/24 08:25	10/02/24 18:11	1
2,6-Dichlorophenol	<4.9		4.9		ug/L		10/02/24 08:25	10/02/24 18:11	1
Bis(2-chloroethyl)ether	<0.20		0.20		ug/L		10/02/24 08:25	10/02/24 18:11	1
4-Nitrophenol	<4.9		4.9		ug/L		10/02/24 08:25	10/02/24 18:11	1
4-Chloroaniline	<4.9		4.9		ug/L		10/02/24 08:25	10/02/24 18:11	1
2-Chlorophenol	<0.20		0.20		ug/L		10/02/24 08:25	10/02/24 18:11	1
Benzyl alcohol	<0.99		0.99		ug/L		10/02/24 08:25	10/02/24 18:11	1
Phenol	<0.99		0.99		ug/L		10/02/24 08:25	10/02/24 18:11	1
3/4-Methylphenol	<2.0		2.0		ug/L		10/02/24 08:25	10/02/24 18:11	1
Bis(2-chloroethoxy)methane	<0.20		0.20		ug/L		10/02/24 08:25	10/02/24 18:11	1
Benzoic acid	<9.9		9.9		ug/L		10/02/24 08:25	10/02/24 18:11	1
2-Chloronaphthalene	<0.20		0.20		ug/L		10/02/24 08:25	10/02/24 18:11	1
2,4-Dinitrophenol	<4.9		4.9		ug/L		10/02/24 08:25	10/02/24 18:11	1
3-Nitroaniline	<4.9		4.9		ug/L		10/02/24 08:25	10/02/24 18:11	1
Dibenzofuran	<0.20		0.20		ug/L		10/02/24 08:25	10/02/24 18:11	1
Hexachloroethane	<0.20		0.20		ug/L		10/02/24 08:25	10/02/24 18:11	1
N-Nitrosodi-n-propylamine	<0.20		0.20		ug/L		10/02/24 08:25	10/02/24 18:11	1
Nitrobenzene	<0.20		0.20		ug/L		10/02/24 08:25	10/02/24 18:11	1

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

Date Collected: 09/26/24 10:05
Date Received: 09/27/24 09:13

Lab Sample ID: 380-115059-1

Matrix: Drinking Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	<0.99		0.99		ug/L		10/02/24 08:25	10/02/24 18:11	1
N-Nitrosodiphenylamine	<0.20		0.20		ug/L		10/02/24 08:25	10/02/24 18:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*80*		*28 - 127*	*10/02/24 08:25*	*10/02/24 18:11*	*1*
2-Fluorobiphenyl (Surr)	*50*		*31 - 120*	*10/02/24 08:25*	*10/02/24 18:11*	*1*
2-Fluorophenol (Surr)	*51*		*17 - 120*	*10/02/24 08:25*	*10/02/24 18:11*	*1*
Nitrobenzene-d5 (Surr)	*52*		*27 - 120*	*10/02/24 08:25*	*10/02/24 18:11*	*1*
Phenol-d6 (Surr)	*33*		*10 - 120*	*10/02/24 08:25*	*10/02/24 18:11*	*1*
p-Terphenyl-d14 (Surr)	*59*		*45 - 120*	*10/02/24 08:25*	*10/02/24 18:11*	*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*	*10/02/24 08:25*	*10/10/24 10:27*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*93*		*33 - 139*	*10/02/24 08:25*	*10/10/24 10:27*	*1*
2-Fluorobiphenyl (Surr)	*69*		*33 - 126*	*10/02/24 08:25*	*10/10/24 10:27*	*1*
2-Fluorophenol (Surr)	*58*		*12 - 120*	*10/02/24 08:25*	*10/10/24 10:27*	*1*
Nitrobenzene-d5 (Surr)	*78*		*36 - 120*	*10/02/24 08:25*	*10/10/24 10:27*	*1*
Phenol-d6 (Surr)	*35*		*10 - 120*	*10/02/24 08:25*	*10/10/24 10:27*	*1*
p-Terphenyl-d14 (Surr)	*78*		*47 - 131*	*10/02/24 08:25*	*10/10/24 10:27*	*1*

Action Limit Summary

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

Job ID: 380-115059-1
SDG: Quarterly [Resample]

Client Sample ID: AIEA WELLS P2 (260) (331-004-WL103) Lab Sample ID: 380-115059-1

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
Benzo[a]pyrene	<0.20		ug/L	0.2	0.20	625.1 SIM	Total/NA
Pentachlorophenol	<0.99		ug/L	1	0.99	625.1 SIM	Total/NA

Surrogate Summary

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

Job ID: 380-115059-1
SDG: Quarterly [Resample]

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)
380-115059-1	AIEA WELLS P2 (260) (331-004	9	69	58	78	35	78

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 570-486955/1-A	Method Blank	76	56	52	65	30	75

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)
380-115059-1	AIEA WELLS P2 (260) (331-004	80	50	51	52	33	59

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 570-486955/2-A	Lab Control Sample	85	48	55	42	38	66
LCSD 570-486955/3-A	Lab Control Sample Dup	82	51	60	45	41	59
MB 570-486955/1-A	Method Blank	65	38	47	39	29	50
MB 570-486955/1-A	Method Blank	68	37	45	40	29	50

Surrogate Summary

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

Job ID: 380-115059-1
SDG: Quarterly [Resample]

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)

Lab Sample ID: MB 570-486955/1-A
Matrix: Water
Analysis Batch: 489856

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 486955

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	10/02/24 08:25	10/10/24 10:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	76		33 - 139	10/02/24 08:25	10/10/24 10:04	1
2-Fluorobiphenyl (Surr)	56		33 - 126	10/02/24 08:25	10/10/24 10:04	1
2-Fluorophenol (Surr)	52		12 - 120	10/02/24 08:25	10/10/24 10:04	1
Nitrobenzene-d5 (Surr)	65		36 - 120	10/02/24 08:25	10/10/24 10:04	1
Phenol-d6 (Surr)	30		10 - 120	10/02/24 08:25	10/10/24 10:04	1
p-Terphenyl-d14 (Surr)	75		47 - 131	10/02/24 08:25	10/10/24 10:04	1

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

Lab Sample ID: MB 570-486955/1-A
Matrix: Water
Analysis Batch: 487351

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 486955

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.20		0.20		ug/L		10/02/24 08:25	10/03/24 07:01	1
2-Methylnaphthalene	<0.20		0.20		ug/L		10/02/24 08:25	10/03/24 07:01	1
Acenaphthene	<0.20		0.20		ug/L		10/02/24 08:25	10/03/24 07:01	1
Acenaphthylene	<0.20		0.20		ug/L		10/02/24 08:25	10/03/24 07:01	1
Anthracene	<0.20		0.20		ug/L		10/02/24 08:25	10/03/24 07:01	1
Benzo[a]anthracene	<0.20		0.20		ug/L		10/02/24 08:25	10/03/24 07:01	1
Benzo[a]pyrene	<0.20		0.20		ug/L		10/02/24 08:25	10/03/24 07:01	1
Benzo[b]fluoranthene	<0.20		0.20		ug/L		10/02/24 08:25	10/03/24 07:01	1
Benzo[g,h,i]perylene	0.217	B	0.20		ug/L		10/02/24 08:25	10/03/24 07:01	1
Benzo[k]fluoranthene	<0.20		0.20		ug/L		10/02/24 08:25	10/03/24 07:01	1
Chrysene	<0.20		0.20		ug/L		10/02/24 08:25	10/03/24 07:01	1
Dibenz(a,h)anthracene	0.214	B	0.20		ug/L		10/02/24 08:25	10/03/24 07:01	1
Fluoranthene	<0.20		0.20		ug/L		10/02/24 08:25	10/03/24 07:01	1
Fluorene	<0.20		0.20		ug/L		10/02/24 08:25	10/03/24 07:01	1
Indeno[1,2,3-cd]pyrene	0.203	B	0.20		ug/L		10/02/24 08:25	10/03/24 07:01	1
Naphthalene	<0.20		0.20		ug/L		10/02/24 08:25	10/03/24 07:01	1
Phenanthrene	<0.20		0.20		ug/L		10/02/24 08:25	10/03/24 07:01	1
Pyrene	<0.20		0.20		ug/L		10/02/24 08:25	10/03/24 07:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	65		28 - 127	10/02/24 08:25	10/03/24 07:01	1
2-Fluorobiphenyl (Surr)	38		31 - 120	10/02/24 08:25	10/03/24 07:01	1
2-Fluorophenol (Surr)	47		17 - 120	10/02/24 08:25	10/03/24 07:01	1
Nitrobenzene-d5 (Surr)	39		27 - 120	10/02/24 08:25	10/03/24 07:01	1
Phenol-d6 (Surr)	29		10 - 120	10/02/24 08:25	10/03/24 07:01	1
p-Terphenyl-d14 (Surr)	50		45 - 120	10/02/24 08:25	10/03/24 07:01	1

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

Lab Sample ID: MB 570-486955/1-A
Matrix: Water
Analysis Batch: 487353

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 486955

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.20		0.20		ug/L		10/02/24 08:25	10/03/24 07:08	1
2-Methylnaphthalene	<0.20		0.20		ug/L		10/02/24 08:25	10/03/24 07:08	1
Acenaphthene	<0.20		0.20		ug/L		10/02/24 08:25	10/03/24 07:08	1
Acenaphthylene	<0.20		0.20		ug/L		10/02/24 08:25	10/03/24 07:08	1
Anthracene	<0.20		0.20		ug/L		10/02/24 08:25	10/03/24 07:08	1
Benzo[a]anthracene	<0.20		0.20		ug/L		10/02/24 08:25	10/03/24 07:08	1
Benzo[a]pyrene	<0.20		0.20		ug/L		10/02/24 08:25	10/03/24 07:08	1
Benzo[b]fluoranthene	<0.20		0.20		ug/L		10/02/24 08:25	10/03/24 07:08	1
Benzo[g,h,i]perylene	0.206	B	0.20		ug/L		10/02/24 08:25	10/03/24 07:08	1
Benzo[k]fluoranthene	0.204	B	0.20		ug/L		10/02/24 08:25	10/03/24 07:08	1
Chrysene	<0.20		0.20		ug/L		10/02/24 08:25	10/03/24 07:08	1
Dibenz(a,h)anthracene	0.209	B	0.20		ug/L		10/02/24 08:25	10/03/24 07:08	1
Fluoranthene	<0.20		0.20		ug/L		10/02/24 08:25	10/03/24 07:08	1
Fluorene	<0.20		0.20		ug/L		10/02/24 08:25	10/03/24 07:08	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20		ug/L		10/02/24 08:25	10/03/24 07:08	1
Naphthalene	<0.20		0.20		ug/L		10/02/24 08:25	10/03/24 07:08	1
Phenanthrene	<0.20		0.20		ug/L		10/02/24 08:25	10/03/24 07:08	1
Pyrene	<0.20		0.20		ug/L		10/02/24 08:25	10/03/24 07:08	1
2,4,5-Trichlorophenol	<5.0		5.0		ug/L		10/02/24 08:25	10/03/24 07:08	1
Aniline	<0.20		0.20		ug/L		10/02/24 08:25	10/03/24 07:08	1
Benzidine	<5.0		5.0		ug/L		10/02/24 08:25	10/03/24 07:08	1
2,4-Dichlorophenol	<1.0		1.0		ug/L		10/02/24 08:25	10/03/24 07:08	1
4-Chlorophenyl phenyl ether	<0.20		0.20		ug/L		10/02/24 08:25	10/03/24 07:08	1
4-Chloro-3-methylphenol	<1.0		1.0		ug/L		10/02/24 08:25	10/03/24 07:08	1
2-Nitrophenol	<5.0		5.0		ug/L		10/02/24 08:25	10/03/24 07:08	1
4-Nitroaniline	<5.0		5.0		ug/L		10/02/24 08:25	10/03/24 07:08	1
2,4,6-Trichlorophenol	<1.0		1.0		ug/L		10/02/24 08:25	10/03/24 07:08	1
2-Nitroaniline	<5.0		5.0		ug/L		10/02/24 08:25	10/03/24 07:08	1
4-Bromophenyl phenyl ether	<0.20		0.20		ug/L		10/02/24 08:25	10/03/24 07:08	1
4,6-Dinitro-2-methylphenol	<5.0		5.0		ug/L		10/02/24 08:25	10/03/24 07:08	1
2-Methylphenol	<1.0		1.0		ug/L		10/02/24 08:25	10/03/24 07:08	1
bis (2-Chloroisopropyl) ether	<0.20		0.20		ug/L		10/02/24 08:25	10/03/24 07:08	1
2,6-Dichlorophenol	<5.0		5.0		ug/L		10/02/24 08:25	10/03/24 07:08	1
Bis(2-chloroethyl)ether	<0.20		0.20		ug/L		10/02/24 08:25	10/03/24 07:08	1
4-Nitrophenol	<5.0		5.0		ug/L		10/02/24 08:25	10/03/24 07:08	1
4-Chloroaniline	<5.0		5.0		ug/L		10/02/24 08:25	10/03/24 07:08	1
2-Chlorophenol	<0.20		0.20		ug/L		10/02/24 08:25	10/03/24 07:08	1
Benzyl alcohol	<1.0		1.0		ug/L		10/02/24 08:25	10/03/24 07:08	1
Phenol	<1.0		1.0		ug/L		10/02/24 08:25	10/03/24 07:08	1
3/4-Methylphenol	<2.0		2.0		ug/L		10/02/24 08:25	10/03/24 07:08	1
Bis(2-chloroethoxy)methane	<0.20		0.20		ug/L		10/02/24 08:25	10/03/24 07:08	1
Benzoic acid	<10		10		ug/L		10/02/24 08:25	10/03/24 07:08	1
2-Chloronaphthalene	<0.20		0.20		ug/L		10/02/24 08:25	10/03/24 07:08	1
2,4-Dinitrophenol	<5.0		5.0		ug/L		10/02/24 08:25	10/03/24 07:08	1
3-Nitroaniline	<5.0		5.0		ug/L		10/02/24 08:25	10/03/24 07:08	1
Dibenzofuran	<0.20		0.20		ug/L		10/02/24 08:25	10/03/24 07:08	1
Hexachloroethane	<0.20		0.20		ug/L		10/02/24 08:25	10/03/24 07:08	1
N-Nitrosodi-n-propylamine	<0.20		0.20		ug/L		10/02/24 08:25	10/03/24 07:08	1

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

Lab Sample ID: MB 570-486955/1-A
Matrix: Water
Analysis Batch: 487353

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 486955

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	<0.20		0.20		ug/L		10/02/24 08:25	10/03/24 07:08	1
Pentachlorophenol	<1.0		1.0		ug/L		10/02/24 08:25	10/03/24 07:08	1
N-Nitrosodiphenylamine	<0.20		0.20		ug/L		10/02/24 08:25	10/03/24 07:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*68*		*28 - 127*	*10/02/24 08:25*	*10/03/24 07:08*	*1*
2-Fluorobiphenyl (Surr)	*37*		*31 - 120*	*10/02/24 08:25*	*10/03/24 07:08*	*1*
2-Fluorophenol (Surr)	*45*		*17 - 120*	*10/02/24 08:25*	*10/03/24 07:08*	*1*
Nitrobenzene-d5 (Surr)	*40*		*27 - 120*	*10/02/24 08:25*	*10/03/24 07:08*	*1*
Phenol-d6 (Surr)	*29*		*10 - 120*	*10/02/24 08:25*	*10/03/24 07:08*	*1*
p-Terphenyl-d14 (Surr)	*50*		*45 - 120*	*10/02/24 08:25*	*10/03/24 07:08*	*1*

Lab Sample ID: LCS 570-486955/2-A
Matrix: Water
Analysis Batch: 487099

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 486955

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	20.0	12.7		ug/L		64	47 - 120
2-Methylnaphthalene	20.0	12.7		ug/L		64	43 - 120
Acenaphthene	20.0	15.0		ug/L		75	60 - 132
Acenaphthylene	20.0	15.7		ug/L		78	54 - 126
Anthracene	20.0	16.6		ug/L		83	43 - 120
Benzo[a]anthracene	20.0	16.8		ug/L		84	42 - 133
Benzo[a]pyrene	20.0	16.6		ug/L		83	32 - 148
Benzo[b]fluoranthene	20.0	16.3		ug/L		81	42 - 140
Benzo[g,h,i]perylene	20.0	16.3		ug/L		82	1 - 195
Benzo[k]fluoranthene	20.0	16.7		ug/L		83	25 - 146
Chrysene	20.0	16.2		ug/L		81	44 - 140
Dibenz(a,h)anthracene	20.0	16.9		ug/L		84	1 - 200
Fluoranthene	20.0	16.6		ug/L		83	43 - 121
Fluorene	20.0	16.0		ug/L		80	70 - 120
Indeno[1,2,3-cd]pyrene	20.0	16.4		ug/L		82	1 - 151
Naphthalene	20.0	12.3		ug/L		61	36 - 120
Phenanthrene	20.0	16.5		ug/L		82	65 - 120
Pyrene	20.0	16.8		ug/L		84	70 - 120
2,4,5-Trichlorophenol	20.0	16.6		ug/L		83	57 - 120
Aniline	20.0	16.5		ug/L		83	52 - 121
Benzidine	20.0	8.97		ug/L		45	20 - 164
2,4-Dichlorophenol	20.0	13.9		ug/L		70	53 - 122
4-Chlorophenyl phenyl ether	20.0	16.2		ug/L		81	38 - 145
4-Chloro-3-methylphenol	20.0	15.1		ug/L		75	41 - 128
2-Nitrophenol	20.0	12.4		ug/L		62	45 - 167
4-Nitroaniline	20.0	17.1		ug/L		85	64 - 129
2,4,6-Trichlorophenol	20.0	16.3		ug/L		81	52 - 129
2-Nitroaniline	20.0	17.2		ug/L		86	51 - 125
4-Bromophenyl phenyl ether	20.0	15.7		ug/L		78	65 - 120
4,6-Dinitro-2-methylphenol	20.0	13.2		ug/L		66	53 - 130
2-Methylphenol	20.0	14.7		ug/L		73	46 - 120

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

Lab Sample ID: LCS 570-486955/2-A
Matrix: Water
Analysis Batch: 487099

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 486955

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
bis (2-Chloroisopropyl) ether			20.0	15.2		ug/L		76	63 - 139		
2,6-Dichlorophenol			20.0	14.0		ug/L		70	50 - 120		
Bis(2-chloroethyl)ether			20.0	15.5		ug/L		77	43 - 126		
4-Nitrophenol			20.0	8.91		ug/L		45	13 - 129		
4-Chloroaniline			20.0	14.5		ug/L		72	51 - 120		
2-Chlorophenol			20.0	15.3		ug/L		76	36 - 120		
Benzyl alcohol			20.0	14.6		ug/L		73	44 - 122		
Phenol			20.0	7.76		ug/L		39	17 - 120		
3/4-Methylphenol			40.0	27.9		ug/L		70	29 - 120		
Bis(2-chloroethoxy)methane			20.0	13.1		ug/L		66	49 - 165		
Benzoic acid			20.0	7.70	J	ug/L		39	20 - 120		
2-Chloronaphthalene			20.0	15.6		ug/L		78	65 - 120		
2,4-Dinitrophenol			20.0	13.5		ug/L		68	1 - 173		
3-Nitroaniline			20.0	17.6		ug/L		88	62 - 129		
Dibenzofuran			20.0	16.2		ug/L		81	48 - 120		
Hexachloroethane			20.0	11.8		ug/L		59	55 - 120		
N-Nitrosodi-n-propylamine			20.0	15.2		ug/L		76	14 - 198		
Nitrobenzene			20.0	12.8		ug/L		64	54 - 158		
Pentachlorophenol			20.0	10.9		ug/L		55	38 - 152		
N-Nitrosodiphenylamine			20.0	19.9		ug/L		100	65 - 133		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*85*		*28 - 127*
2-Fluorobiphenyl (Surr)	*48*		*31 - 120*
2-Fluorophenol (Surr)	*55*		*17 - 120*
Nitrobenzene-d5 (Surr)	*42*		*27 - 120*
Phenol-d6 (Surr)	*38*		*10 - 120*
p-Terphenyl-d14 (Surr)	*66*		*45 - 120*

Lab Sample ID: LCSD 570-486955/3-A
Matrix: Water
Analysis Batch: 487099

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 486955

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene			20.0	13.3		ug/L		67	47 - 120	5	20
2-Methylnaphthalene			20.0	13.4		ug/L		67	43 - 120	5	20
Acenaphthene			20.0	15.2		ug/L		76	60 - 132	2	29
Acenaphthylene			20.0	16.2		ug/L		81	54 - 126	3	45
Anthracene			20.0	16.3		ug/L		81	43 - 120	2	40
Benzo[a]anthracene			20.0	16.3		ug/L		81	42 - 133	3	32
Benzo[a]pyrene			20.0	16.3		ug/L		82	32 - 148	2	43
Benzo[b]fluoranthene			20.0	15.9		ug/L		80	42 - 140	2	43
Benzo[g,h,i]perylene			20.0	16.2		ug/L		81	1 - 195	1	61
Benzo[k]fluoranthene			20.0	16.1		ug/L		80	25 - 146	4	38
Chrysene			20.0	15.7		ug/L		78	44 - 140	3	53
Dibenz(a,h)anthracene			20.0	16.2		ug/L		81	1 - 200	4	75
Fluoranthene			20.0	16.2		ug/L		81	43 - 121	2	40
Fluorene			20.0	16.1		ug/L		80	70 - 120	0	23

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

Lab Sample ID: LCSD 570-486955/3-A
Matrix: Water
Analysis Batch: 487099

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 486955

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Indeno[1,2,3-cd]pyrene	20.0	15.8		ug/L		79	1 - 151	4	60
Naphthalene	20.0	13.0		ug/L		65	36 - 120	5	39
Phenanthrene	20.0	16.2		ug/L		81	65 - 120	2	24
Pyrene	20.0	16.4		ug/L		82	70 - 120	3	30
2,4,5-Trichlorophenol	20.0	16.7		ug/L		84	57 - 120	1	20
Aniline	20.0	18.3		ug/L		91	52 - 121	10	21
Benzidine	20.0	10.5		ug/L		52	20 - 164	16	30
2,4-Dichlorophenol	20.0	14.6		ug/L		73	53 - 122	5	30
4-Chlorophenyl phenyl ether	20.0	16.3		ug/L		81	38 - 145	0	36
4-Chloro-3-methylphenol	20.0	15.1		ug/L		76	41 - 128	0	44
2-Nitrophenol	20.0	13.3		ug/L		67	45 - 167	8	33
4-Nitroaniline	20.0	16.9		ug/L		84	64 - 129	1	20
2,4,6-Trichlorophenol	20.0	16.6		ug/L		83	52 - 129	2	35
2-Nitroaniline	20.0	17.3		ug/L		86	51 - 125	0	20
4-Bromophenyl phenyl ether	20.0	15.4		ug/L		77	65 - 120	2	26
4,6-Dinitro-2-methylphenol	20.0	13.0		ug/L		65	53 - 130	1	122
2-Methylphenol	20.0	16.0		ug/L		80	46 - 120	9	20
bis (2-Chloroisopropyl) ether	20.0	16.7		ug/L		83	63 - 139	9	46
2,6-Dichlorophenol	20.0	14.5		ug/L		73	50 - 120	4	20
Bis(2-chloroethyl)ether	20.0	16.5		ug/L		83	43 - 126	7	65
4-Nitrophenol	20.0	8.74		ug/L		44	13 - 129	2	79
4-Chloroaniline	20.0	15.2		ug/L		76	51 - 120	5	20
2-Chlorophenol	20.0	16.3		ug/L		82	36 - 120	7	37
Benzyl alcohol	20.0	15.7		ug/L		79	44 - 122	8	20
Phenol	20.0	8.37		ug/L		42	17 - 120	8	39
3/4-Methylphenol	40.0	30.1		ug/L		75	29 - 120	8	20
Bis(2-chloroethoxy)methane	20.0	14.0		ug/L		70	49 - 165	6	32
Benzoic acid	20.0	7.84	J	ug/L		39	20 - 120	2	30
2-Chloronaphthalene	20.0	16.2		ug/L		81	65 - 120	4	15
2,4-Dinitrophenol	20.0	12.9		ug/L		64	1 - 173	5	79
3-Nitroaniline	20.0	17.5		ug/L		88	62 - 129	1	20
Dibenzofuran	20.0	16.2		ug/L		81	48 - 120	0	20
Hexachloroethane	20.0	13.1		ug/L		65	55 - 120	10	32
N-Nitrosodi-n-propylamine	20.0	15.8		ug/L		79	14 - 198	4	52
Nitrobenzene	20.0	13.4		ug/L		67	54 - 158	5	37
Pentachlorophenol	20.0	10.7		ug/L		53	38 - 152	2	52
N-Nitrosodiphenylamine	20.0	19.1		ug/L		96	65 - 133	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*82*		*28 - 127*
2-Fluorobiphenyl (Surr)	*51*		*31 - 120*
2-Fluorophenol (Surr)	*60*		*17 - 120*
Nitrobenzene-d5 (Surr)	*45*		*27 - 120*
Phenol-d6 (Surr)	*41*		*10 - 120*
p-Terphenyl-d14 (Surr)	*59*		*45 - 120*

QC Association Summary

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

Job ID: 380-115059-1
SDG: Quarterly [Resample]

GC/MS Semi VOA

Prep Batch: 486955

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-115059-1	AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Drinking Water	625.1	
MB 570-486955/1-A	Method Blank	Total/NA	Water	625.1	
LCS 570-486955/2-A	Lab Control Sample	Total/NA	Water	625.1	
LCSD 570-486955/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	

Analysis Batch: 487099

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-115059-1	AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Drinking Water	625.1 SIM	486955
LCS 570-486955/2-A	Lab Control Sample	Total/NA	Water	625.1 SIM	486955
LCSD 570-486955/3-A	Lab Control Sample Dup	Total/NA	Water	625.1 SIM	486955

Analysis Batch: 487351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-486955/1-A	Method Blank	Total/NA	Water	625.1 SIM	486955

Analysis Batch: 487353

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-486955/1-A	Method Blank	Total/NA	Water	625.1 SIM	486955

Analysis Batch: 489856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-115059-1	AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Drinking Water	625.1	486955
MB 570-486955/1-A	Method Blank	Total/NA	Water	625.1	486955

Lab Chronicle

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

Job ID: 380-115059-1
SDG: Quarterly [Resample]

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

Date Collected: 09/26/24 10:05
Date Received: 09/27/24 09:13

Lab Sample ID: 380-115059-1

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	625.1			486955	PQS1	EET CAL 4	10/02/24 08:25
Total/NA	Analysis	625.1		1	489856	CG	EET CAL 4	10/10/24 10:27
Total/NA	Prep	625.1			486955	PQS1	EET CAL 4	10/02/24 08:25
Total/NA	Analysis	625.1 SIM		1	487099	PQS1	EET CAL 4	10/02/24 18:11

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: 380-115059-1
SDG: Quarterly [Resample]

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
Arizona	State	AZ0830	11-15-24
Arkansas DEQ	State	88-0161	07-02-25
California	Los Angeles County Sanitation Districts	9257304	08-01-24 *
California	SCAQMD LAP	17LA0919	11-30-24
California	State	3082	07-31-26
Kansas	NELAP	E-10420	07-31-25
Nevada	State	CA00111	07-31-25
Oregon	NELAP	4175	02-02-25
USDA	US Federal Programs	P330-22-00059	06-08-26
Washington	State	C916-18	10-11-24

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

Method Summary

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

Job ID: 380-115059-1
SDG: Quarterly [Resample]

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
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

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: 380-115059-1
SDG: Quarterly [Resample]

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
380-115059-1	AIEA WELLS P2 (260) (331-004-WL103)	Drinking Water	09/26/24 10:05	09/27/24 09:13

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

Chain of Custody Record

eurofins

Client Information	Sampler: bailey	Lab PM: Arada Rachelle	Carrier Tracking No(s):	COC No.: 380-68034-20197 1
Client Contact: Roland Fenstemacher	Phone: +1 8087485840	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: 808-748-5091(Tel)	PO #: C20525101 exp 05312023
Email: rfenstemacher@hbws.org	WO #:
Project Name: RED-HILL (Quarterly)	Project #: 38001111
Site: Hawaii	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)	625.1, 625.1_SIM	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N		
Aiea Wells P2	26 Sep 2024	1005	G	Water			x		Quarterly Resample

Preservation Codes: N - None; Other:

380-115059 COC

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological	☐ 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: FX 7788 5349 9660

Relinquished by: [redacted]	Date/Time: 26 Sep 2024 1400	Company: HBWS	Received by:	Date/Time: 9/27/24 0913	Company: EFAH
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: 4.9 + 0.2 = 5.1 wet (750A)

Ver: 05/06/2024

Bottle Order Information

Bottle Order	*RED-HILL - Quarterly Resample_Aiea Wells P2*
Bottle Order #	*20197*
Request From Client	*9/11/2024*
Date Order Posted	*9/11/2024 3 31 41PM*
Order Status	*Ready To Process*
Prepared By	*Rachelle Arada*
Deliver By Date:	***9/18/2024 11:59:00PM***
Lab Project Number	*38001111*
PWSID	

Order Completion Information

Creator	*Rachelle Arada*
Filled by	
Sent Date	
Sent Via	
Tracking #	

Sets	Bottles/Set	Qty	Bottle Type Description	Preservative	Method	Matrix	Sample Type	Comments	Lot #
1	2	2	Amber Glass 1 liter - unpreserved	None	625 1_SIM - (MOD) Extended List 625 1 - (MOD) Tentatively Identified Compounds	Water Water	Normal Normal		

Total Bottle Summary

Bottle Type Description	Preservative	Bottle Count
Normal		**2**
Amber Glass 1 liter - unpreserved	None	2
	Total Bottles	**2**

Notes to Field Staff:

Scan QR code for field sampler instructions

Health and Safety Notes:

Preservative Comment

Relinquished By	Company	Date	Time	Received By	Company	Seal #: Seal #: Seal #:
Relinquished By	Company	Date	Time	Received By	Company	Seal #: Seal #: Seal #:

Please notify your PM immediately if an error is found in shipment. When returning samples, please return all provided QC samples.

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

Chain of Custody Record

eurofins | Loc: 380 115059

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Arada, Rachelle	Carrier Tracking No(s):	COC No: 380-157098.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Rachelle.Arada@et.eurofinsus.com	State of Origin: Hawaii	Page: Page 1 of 1
Company: Eurofins Environment Testing Southwest,		Accreditations Required (See note): State - Hawaii		Job #: 380-115059-1
Address: 2841 Dow Avenue, Suite 100, ,	Due Date Requested: 10/10/2024			
City: Tustin	TAT Requested (days):			
State, Zip: CA, 92780				
Phone: 714-895-5494(Tel)	PO #:			
Email:	WO #:			
Project Name: RED-HILL	Project #: 38001111			
Site: Honolulu BWS Sites	SSOW#:			

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	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
AIEA WELLS P2 (260) (331-004-WL103) (380-115059-1)	9/26/24	10:05 Hawaiian	G	Water			X	2	

Preservation Codes:
-
Other:

380-115059 Chain of Custody

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
4601	9/27/24 15:00	TEMP		9-27-24 3:02	way point
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	9-27-24 4:14	way point		9/27/24 16:14	TEC
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:
		1.5/1.5 SEAL

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-115059-1
SDG Number: Quarterly [Resample]

Login Number: 115059
List Number: 1
Creator: Ngo, Theodore

List Source: Eurofins Eaton Analytical Pomona

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

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-115059-1
SDG Number: Quarterly [Resample]

Login Number: 115059
List Number: 2
Creator: Khana, Piyush

List Source: Eurofins Calscience
List Creation: 09/27/24 06:34 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.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.5
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	