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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 P2

JOB NUMBER

380-221365-1

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
Maria Lopez, Project Manager
Maria.Lopez@et.eurofinsus.com
(626)386-1100

Table of Contents

Definitions/Glossary

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

Job ID: 380-221365-1
SDG: Weekly: Aiea Wells P2

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated 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
380-221365-1

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 6/24/2026 9:30 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 2.9°C and 5.6°C.

GC/MS Semi VOA
Method 625.1 SIM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 570-761114 and analytical batch 570-762256 recovered outside control limits for multiple analytes.
Method 625.1 SIM: The laboratory control sample (LCS) for preparation batch 570-761114 and analytical batch 570-762256 recovered outside acceptance limits for multiple analytes. There was insufficient sample to perform a re-extraction or re-analysis; therefore, the data have been reported. EPA 625.1 SIM results for Aiea Wells P2 (260)(331-004-WL103) collected on 06/22/26 are not acceptable per the method and have been excluded due to these QC failures. The sample is collected weekly thus follow up sample was collected on 06/29/26 under job # 380-222418-1. Analysis by EPA 625.1 SIM is 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: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-768302. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.
Method: 8015B_DRO_LL_CS
Method 8015B: The following sample was re-prepared outside of preparation holding time due to hit in initial run, needed confirmation: AIEA WELLS P2 (260) (331-004-WL103) (380-221365-1). Due to the re-analysis of method 8015_DRO not confirming the inital run, analysis for AIEA WELLS P2 (260) (331-004-WL103) (380-221365-1) was excluded. The sample is collected weekly thus follow up sample was collected on 06/29/26 under job # 380-222418-1. Analysis by 8015_DRO_LL_CS is currently in progress. (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: 380-221365-1
SDG: Weekly: Aiea Wells P2

Client Sample ID: AIEA WELLS P2 (260) (331-004-WL103) — Lab Sample ID: 380-221365-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Dieldrin	0.024		0.0098		ug/L	1		525.2	Total/NA
Heptachlor epoxide (isomer B)	0.014		0.0098		ug/L	1		525.2	Total/NA

Client Sample ID: TB: AIEA WELLS P2 (260) (331-004-WL103) — Lab Sample ID: 380-221365-2

No Detections.

This Detection Summary does not include radiochemical test results.

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

Date Collected: 06/22/26 11:18
Date Received: 06/24/26 09:30

Lab Sample ID: 380-221365-1

Matrix: Drinking Water

Method: EPA 525.2 - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.098		0.098		ug/L		06/26/26 11:50	06/29/26 16:25	1
2,4'-DDD	<0.098		0.098		ug/L		06/26/26 11:50	06/29/26 16:25	1
2,4'-DDE	<0.098		0.098		ug/L		06/26/26 11:50	06/29/26 16:25	1
2,4'-DDT	<0.098		0.098		ug/L		06/26/26 11:50	06/29/26 16:25	1
2,4-Dinitrotoluene	<0.098		0.098		ug/L		06/26/26 11:50	06/29/26 16:25	1
2,6-Dinitrotoluene	<0.098		0.098		ug/L		06/26/26 11:50	06/29/26 16:25	1
2-Methylnaphthalene	<0.098		0.098		ug/L		06/26/26 11:50	06/29/26 16:25	1
4,4'-DDD	<0.098		0.098		ug/L		06/26/26 11:50	06/29/26 16:25	1
4,4'-DDE	<0.098		0.098		ug/L		06/26/26 11:50	06/29/26 16:25	1
4,4'-DDT	<0.098		0.098		ug/L		06/26/26 11:50	06/29/26 16:25	1
Acenaphthene	<0.098		0.098		ug/L		06/26/26 11:50	06/29/26 16:25	1
Acenaphthylene	<0.098		0.098		ug/L		06/26/26 11:50	06/29/26 16:25	1
Acetochlor	<0.098		0.098		ug/L		06/26/26 11:50	06/29/26 16:25	1
Alachlor	<0.049		0.049		ug/L		06/26/26 11:50	06/29/26 16:25	1
alpha-BHC	<0.098		0.098		ug/L		06/26/26 11:50	06/29/26 16:25	1
alpha-Chlordane	<0.049		0.049		ug/L		06/26/26 11:50	06/29/26 16:25	1
Anthracene	<0.020		0.020		ug/L		06/26/26 11:50	06/29/26 16:25	1
Atrazine	<0.049		0.049		ug/L		06/26/26 11:50	06/29/26 16:25	1
Benz(a)anthracene	<0.049		0.049		ug/L		06/26/26 11:50	06/29/26 16:25	1
Benzo[a]pyrene	<0.020		0.020		ug/L		06/26/26 11:50	06/29/26 16:25	1
Benzo[b]fluoranthene	<0.020		0.020		ug/L		06/26/26 11:50	06/29/26 16:25	1
Benzo[g,h,i]perylene	<0.049		0.049		ug/L		06/26/26 11:50	06/29/26 16:25	1
Benzo[k]fluoranthene	<0.020		0.020		ug/L		06/26/26 11:50	06/29/26 16:25	1
beta-BHC	<0.098		0.098		ug/L		06/26/26 11:50	06/29/26 16:25	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59		ug/L		06/26/26 11:50	06/29/26 16:25	1
Bromacil	<0.098		0.098		ug/L		06/26/26 11:50	06/29/26 16:25	1
Butachlor	<0.049		0.049		ug/L		06/26/26 11:50	06/29/26 16:25	1
Butylbenzylphthalate	<0.49		0.49		ug/L		06/26/26 11:50	06/29/26 16:25	1
Chlorobenzilate	<0.098		0.098		ug/L		06/26/26 11:50	06/29/26 16:25	1
Chloroneb	<0.098		0.098		ug/L		06/26/26 11:50	06/29/26 16:25	1
Chlorothalonil (Draconil, Bravo)	<0.098		0.098		ug/L		06/26/26 11:50	06/29/26 16:25	1
Chlorpyrifos	<0.049		0.049		ug/L		06/26/26 11:50	06/29/26 16:25	1
Chrysene	<0.020		0.020		ug/L		06/26/26 11:50	06/29/26 16:25	1
delta-BHC	<0.098		0.098		ug/L		06/26/26 11:50	06/29/26 16:25	1
Di(2-ethylhexyl)adipate	<0.59		0.59		ug/L		06/26/26 11:50	06/29/26 16:25	1
Dibenz(a,h)anthracene	<0.049		0.049		ug/L		06/26/26 11:50	06/29/26 16:25	1
Diclorvos (DDVP)	<0.049		0.049		ug/L		06/26/26 11:50	06/29/26 16:25	1
Dieldrin	**0.024**		0.0098		ug/L		06/26/26 11:50	06/29/26 16:25	1
Diethylphthalate	<0.49		0.49		ug/L		06/26/26 11:50	06/29/26 16:25	1
Dimethylphthalate	<0.49		0.49		ug/L		06/26/26 11:50	06/29/26 16:25	1
Di-n-butyl phthalate	<0.98		0.98		ug/L		06/26/26 11:50	06/29/26 16:25	1
Di-n-octyl phthalate	<0.098		0.098		ug/L		06/26/26 11:50	06/29/26 16:25	1
Endosulfan I (Alpha)	<0.098		0.098		ug/L		06/26/26 11:50	06/29/26 16:25	1
Endosulfan II (Beta)	<0.098		0.098		ug/L		06/26/26 11:50	06/29/26 16:25	1
Endosulfan sulfate	<0.098		0.098		ug/L		06/26/26 11:50	06/29/26 16:25	1
Endrin	<0.0098		0.0098		ug/L		06/26/26 11:50	06/29/26 16:25	1
Endrin aldehyde	<0.098		0.098		ug/L		06/26/26 11:50	06/29/26 16:25	1
EPTC	<0.098		0.098		ug/L		06/26/26 11:50	06/29/26 16:25	1
Fluoranthene	<0.098		0.098		ug/L		06/26/26 11:50	06/29/26 16:25	1

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

Job ID: 380-221365-1
SDG: Weekly: Aiea Wells P2

Client Sample ID: AIEA WELLS P2 (260) (331-004-WL103)
Date Collected: 06/22/26 11:18
Date Received: 06/24/26 09:30

Lab Sample ID: 380-221365-1
Matrix: Drinking Water

Method: EPA 525.2 - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.049		0.049		ug/L		06/26/26 11:50	06/29/26 16:25	1
gamma-Chlordane	<0.049		0.049		ug/L		06/26/26 11:50	06/29/26 16:25	1
Heptachlor	<0.0098		0.0098		ug/L		06/26/26 11:50	06/29/26 16:25	1
Heptachlor epoxide (isomer B)	**0.014**		0.0098		ug/L		06/26/26 11:50	06/29/26 16:25	1
Hexachlorobenzene	<0.049		0.049		ug/L		06/26/26 11:50	06/29/26 16:25	1
Hexachlorocyclopentadiene	<0.049		0.049		ug/L		06/26/26 11:50	06/29/26 16:25	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049		ug/L		06/26/26 11:50	06/29/26 16:25	1
Isophorone	<0.098		0.098		ug/L		06/26/26 11:50	06/29/26 16:25	1
Lindane	<0.0098		0.0098		ug/L		06/26/26 11:50	06/29/26 16:25	1
Malathion	<0.098		0.098		ug/L		06/26/26 11:50	06/29/26 16:25	1
Methoxychlor	<0.049		0.049		ug/L		06/26/26 11:50	06/29/26 16:25	1
Metolachlor	<0.049		0.049		ug/L		06/26/26 11:50	06/29/26 16:25	1
Molinate	<0.098		0.098		ug/L		06/26/26 11:50	06/29/26 16:25	1
Naphthalene	<0.098		0.098		ug/L		06/26/26 11:50	06/29/26 16:25	1
Parathion	<0.098		0.098		ug/L		06/26/26 11:50	06/29/26 16:25	1
Pendimethalin (Penoxaline)	<0.098		0.098		ug/L		06/26/26 11:50	06/29/26 16:25	1
Phenanthrene	<0.039		0.039		ug/L		06/26/26 11:50	06/29/26 16:25	1
Propachlor	<0.049		0.049		ug/L		06/26/26 11:50	06/29/26 16:25	1
Pyrene	<0.049		0.049		ug/L		06/26/26 11:50	06/29/26 16:25	1
Simazine	<0.049		0.049		ug/L		06/26/26 11:50	06/29/26 16:25	1
Terbacil	<0.098		0.098		ug/L		06/26/26 11:50	06/29/26 16:25	1
Terbuthylazine	<0.098		0.098		ug/L		06/26/26 11:50	06/29/26 16:25	1
Thiobencarb	<0.098		0.098		ug/L		06/26/26 11:50	06/29/26 16:25	1
Total Permethrin (mixed isomers)	<0.20		0.20		ug/L		06/26/26 11:50	06/29/26 16:25	1
trans-Nonachlor	<0.049		0.049		ug/L		06/26/26 11:50	06/29/26 16:25	1
Trifluralin	<0.098		0.098		ug/L		06/26/26 11:50	06/29/26 16:25	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*0.59*	*T J*	*ug/L*		*5.70*	*N/A*	*06/26/26 11:50*	*06/29/26 16:25*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*101*		*70 - 130*	*06/26/26 11:50*	*06/29/26 16:25*	*1*
Perylene-d12	*92*		*70 - 130*	*06/26/26 11:50*	*06/29/26 16:25*	*1*
Triphenylphosphate	*105*		*70 - 130*	*06/26/26 11:50*	*06/29/26 16:25*	*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*	*06/27/26 13:39*	*07/09/26 17:56*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*49*		*33 - 139*	*06/27/26 13:39*	*07/09/26 17:56*	*1*
2-Fluorobiphenyl (Surr)	*79*		*33 - 126*	*06/27/26 13:39*	*07/09/26 17:56*	*1*
2-Fluorophenol (Surr)	*50*		*12 - 120*	*06/27/26 13:39*	*07/09/26 17:56*	*1*
Nitrobenzene-d5 (Surr)	*54*		*36 - 120*	*06/27/26 13:39*	*07/09/26 17:56*	*1*
Phenol-d6 (Surr)	*28*		*10 - 120*	*06/27/26 13:39*	*07/09/26 17:56*	*1*
p-Terphenyl-d14 (Surr)	*73*		*47 - 131*	*06/27/26 13:39*	*07/09/26 17:56*	*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			06/30/26 17:12	1

Client Sample Results

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

Job ID: 380-221365-1
SDG: Weekly: Aiea Wells P2

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

Lab Sample ID: 380-221365-1
Matrix: Drinking Water
Date Collected: 06/22/26 11:18
Date Received: 06/24/26 09:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*124*		*38 - 134*		*06/30/26 17:12*	*1*

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

Lab Sample ID: 380-221365-2
Matrix: Water
Date Collected: 06/22/26 11:18
Date Received: 06/24/26 09:30

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			06/30/26 21:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*106*		*38 - 134*		*06/30/26 21:35*	*1*

Action Limit Summary

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

Job ID: 380-221365-1
SDG: Weekly: Aiea Wells P2

Client Sample ID: AIEA WELLS P2 (260) (331-004-WL103) Lab Sample ID: 380-221365-1

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
Alachlor	<0.049		ug/L	2	0.049	525.2	Total/NA
Atrazine	<0.049		ug/L	3	0.049	525.2	Total/NA
Benzo[a]pyrene	<0.020		ug/L	0.2	0.020	525.2	Total/NA
Bis(2-ethylhexyl) phthalate	<0.59		ug/L	6	0.59	525.2	Total/NA
Di(2-ethylhexyl)adipate	<0.59		ug/L	400	0.59	525.2	Total/NA
Endrin	<0.0098		ug/L	2	0.0098	525.2	Total/NA
Heptachlor	<0.0098		ug/L	0.4	0.0098	525.2	Total/NA
Heptachlor epoxide (isomer B)	0.014		ug/L	0.2	0.0098	525.2	Total/NA
Hexachlorobenzene	<0.049		ug/L	1	0.049	525.2	Total/NA
Hexachlorocyclopentadiene	<0.049		ug/L	50	0.049	525.2	Total/NA
Lindane	<0.0098		ug/L	0.2	0.0098	525.2	Total/NA
Methoxychlor	<0.049		ug/L	40	0.049	525.2	Total/NA
Simazine	<0.049		ug/L	4	0.049	525.2	Total/NA

Surrogate Summary

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

Job ID: 380-221365-1
SDG: Weekly: Aiea Wells P2

Method: 525.2 - Semivolatile Organic Compounds (GC/MS)

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

		Percent Surrogate Recovery (Acceptance Limits)		
		2NMX	PRY	TPP
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
380-221365-1	AIEA WELLS P2 (260) (331-004	101	92	105

Surrogate Legend

2NMX = 2-Nitro-m-xylene
PRY = Perylene-d12
TPP = Triphenylphosphate

Method: 525.2 - Semivolatile Organic Compounds (GC/MS)

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

		Percent Surrogate Recovery (Acceptance Limits)		
		2NMX	PRY	TPP
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
380-221691-S-1-A MS	Matrix Spike	101	96	105
380-221695-S-1-A DU	Duplicate	102	92	102
LCS 380-236453/23-A	Lab Control Sample	101	99	107
MB 380-236453/21-A	Method Blank	101	91	103
MRL 380-236453/22-A	Lab Control Sample	100	92	104

Surrogate Legend

2NMX = 2-Nitro-m-xylene
PRY = Perylene-d12
TPP = Triphenylphosphate

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)
380-221365-1	AIEA WELLS P2 (260) (331-004	49	79	50	54	28	73

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 570-761114/1-A	Method Blank	51	84	59	47	36	85

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)

Surrogate Summary

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

Job ID: 380-221365-1
SDG: Weekly: Aiea Wells P2

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)
		BFB1
Lab Sample ID	Client Sample ID	(38-134)
380-221365-1	AIEA WELLS P2 (260) (331-004	124

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)
		BFB1
Lab Sample ID	Client Sample ID	(38-134)
380-221324-A-1 MS	Matrix Spike	105
380-221324-A-1 MSD	Matrix Spike Duplicate	104
380-221365-2	TB: AIEA WELLS P2 (260) (331-004-WL103)	106
LCS 570-762338/3	Lab Control Sample	99
LCSD 570-762338/4	Lab Control Sample Dup	100
MB 570-762338/6	Method Blank	101
MRL 570-762338/5	Lab Control Sample	101

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

Method: 525.2 - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 380-236453/21-A
Matrix: Water
Analysis Batch: 236821

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 236453

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.097		0.097		ug/L		06/26/26 11:50	06/29/26 13:03	1
2,4'-DDD	<0.097		0.097		ug/L		06/26/26 11:50	06/29/26 13:03	1
2,4'-DDE	<0.097		0.097		ug/L		06/26/26 11:50	06/29/26 13:03	1
2,4'-DDT	<0.097		0.097		ug/L		06/26/26 11:50	06/29/26 13:03	1
2,4-Dinitrotoluene	<0.097		0.097		ug/L		06/26/26 11:50	06/29/26 13:03	1
2,6-Dinitrotoluene	<0.097		0.097		ug/L		06/26/26 11:50	06/29/26 13:03	1
2-Methylnaphthalene	<0.097		0.097		ug/L		06/26/26 11:50	06/29/26 13:03	1
4,4'-DDD	<0.097		0.097		ug/L		06/26/26 11:50	06/29/26 13:03	1
4,4'-DDE	<0.097		0.097		ug/L		06/26/26 11:50	06/29/26 13:03	1
4,4'-DDT	<0.097		0.097		ug/L		06/26/26 11:50	06/29/26 13:03	1
Acenaphthene	<0.097		0.097		ug/L		06/26/26 11:50	06/29/26 13:03	1
Acenaphthylene	<0.097		0.097		ug/L		06/26/26 11:50	06/29/26 13:03	1
Acetochlor	<0.097		0.097		ug/L		06/26/26 11:50	06/29/26 13:03	1
Alachlor	<0.049		0.049		ug/L		06/26/26 11:50	06/29/26 13:03	1
alpha-BHC	<0.097		0.097		ug/L		06/26/26 11:50	06/29/26 13:03	1
alpha-Chlordane	<0.049		0.049		ug/L		06/26/26 11:50	06/29/26 13:03	1
Anthracene	<0.019		0.019		ug/L		06/26/26 11:50	06/29/26 13:03	1
Atrazine	<0.049		0.049		ug/L		06/26/26 11:50	06/29/26 13:03	1
Benz(a)anthracene	<0.049		0.049		ug/L		06/26/26 11:50	06/29/26 13:03	1
Benzo[a]pyrene	<0.019		0.019		ug/L		06/26/26 11:50	06/29/26 13:03	1
Benzo[b]fluoranthene	<0.019		0.019		ug/L		06/26/26 11:50	06/29/26 13:03	1
Benzo[g,h,i]perylene	<0.049		0.049		ug/L		06/26/26 11:50	06/29/26 13:03	1
Benzo[k]fluoranthene	<0.019		0.019		ug/L		06/26/26 11:50	06/29/26 13:03	1
beta-BHC	<0.097		0.097		ug/L		06/26/26 11:50	06/29/26 13:03	1
Bis(2-ethylhexyl) phthalate	<0.58		0.58		ug/L		06/26/26 11:50	06/29/26 13:03	1
Bromacil	<0.097		0.097		ug/L		06/26/26 11:50	06/29/26 13:03	1
Butachlor	<0.049		0.049		ug/L		06/26/26 11:50	06/29/26 13:03	1
Butylbenzylphthalate	<0.49		0.49		ug/L		06/26/26 11:50	06/29/26 13:03	1
Chlorobenzilate	<0.097		0.097		ug/L		06/26/26 11:50	06/29/26 13:03	1
Chloroneb	<0.097		0.097		ug/L		06/26/26 11:50	06/29/26 13:03	1
Chlorothalonil (Draconil, Bravo)	<0.097		0.097		ug/L		06/26/26 11:50	06/29/26 13:03	1
Chlorpyrifos	<0.049		0.049		ug/L		06/26/26 11:50	06/29/26 13:03	1
Chrysene	<0.019		0.019		ug/L		06/26/26 11:50	06/29/26 13:03	1
delta-BHC	<0.097		0.097		ug/L		06/26/26 11:50	06/29/26 13:03	1
Di(2-ethylhexyl)adipate	<0.58		0.58		ug/L		06/26/26 11:50	06/29/26 13:03	1
Dibenz(a,h)anthracene	<0.049		0.049		ug/L		06/26/26 11:50	06/29/26 13:03	1
Diclorvos (DDVP)	<0.049		0.049		ug/L		06/26/26 11:50	06/29/26 13:03	1
Dieldrin	<0.0097		0.0097		ug/L		06/26/26 11:50	06/29/26 13:03	1
Diethylphthalate	<0.49		0.49		ug/L		06/26/26 11:50	06/29/26 13:03	1
Dimethylphthalate	<0.49		0.49		ug/L		06/26/26 11:50	06/29/26 13:03	1
Di-n-butyl phthalate	<0.97		0.97		ug/L		06/26/26 11:50	06/29/26 13:03	1
Di-n-octyl phthalate	<0.097		0.097		ug/L		06/26/26 11:50	06/29/26 13:03	1
Endosulfan I (Alpha)	<0.097		0.097		ug/L		06/26/26 11:50	06/29/26 13:03	1
Endosulfan II (Beta)	<0.097		0.097		ug/L		06/26/26 11:50	06/29/26 13:03	1
Endosulfan sulfate	<0.097		0.097		ug/L		06/26/26 11:50	06/29/26 13:03	1
Endrin	<0.0097		0.0097		ug/L		06/26/26 11:50	06/29/26 13:03	1
Endrin aldehyde	<0.097		0.097		ug/L		06/26/26 11:50	06/29/26 13:03	1
EPTC	<0.097		0.097		ug/L		06/26/26 11:50	06/29/26 13:03	1

Method: 525.2 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 380-236453/21-A
Matrix: Water
Analysis Batch: 236821

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 236453

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	<0.097		0.097		ug/L		06/26/26 11:50	06/29/26 13:03	1
Fluorene	<0.049		0.049		ug/L		06/26/26 11:50	06/29/26 13:03	1
gamma-Chlordane	<0.049		0.049		ug/L		06/26/26 11:50	06/29/26 13:03	1
Heptachlor	<0.0097		0.0097		ug/L		06/26/26 11:50	06/29/26 13:03	1
Heptachlor epoxide (isomer B)	<0.0097		0.0097		ug/L		06/26/26 11:50	06/29/26 13:03	1
Hexachlorobenzene	<0.049		0.049		ug/L		06/26/26 11:50	06/29/26 13:03	1
Hexachlorocyclopentadiene	<0.049		0.049		ug/L		06/26/26 11:50	06/29/26 13:03	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049		ug/L		06/26/26 11:50	06/29/26 13:03	1
Isophorone	<0.097		0.097		ug/L		06/26/26 11:50	06/29/26 13:03	1
Lindane	<0.0097		0.0097		ug/L		06/26/26 11:50	06/29/26 13:03	1
Malathion	<0.097		0.097		ug/L		06/26/26 11:50	06/29/26 13:03	1
Methoxychlor	<0.049		0.049		ug/L		06/26/26 11:50	06/29/26 13:03	1
Metolachlor	<0.049		0.049		ug/L		06/26/26 11:50	06/29/26 13:03	1
Molinate	<0.097		0.097		ug/L		06/26/26 11:50	06/29/26 13:03	1
Naphthalene	<0.097		0.097		ug/L		06/26/26 11:50	06/29/26 13:03	1
Parathion	<0.097		0.097		ug/L		06/26/26 11:50	06/29/26 13:03	1
Pendimethalin (Penoxaline)	<0.097		0.097		ug/L		06/26/26 11:50	06/29/26 13:03	1
Phenanthrene	<0.039		0.039		ug/L		06/26/26 11:50	06/29/26 13:03	1
Propachlor	<0.049		0.049		ug/L		06/26/26 11:50	06/29/26 13:03	1
Pyrene	<0.049		0.049		ug/L		06/26/26 11:50	06/29/26 13:03	1
Simazine	<0.049		0.049		ug/L		06/26/26 11:50	06/29/26 13:03	1
Terbacil	<0.097		0.097		ug/L		06/26/26 11:50	06/29/26 13:03	1
Terbuthylazine	<0.097		0.097		ug/L		06/26/26 11:50	06/29/26 13:03	1
Thiobencarb	<0.097		0.097		ug/L		06/26/26 11:50	06/29/26 13:03	1
Total Permethrin (mixed isomers)	<0.19		0.19		ug/L		06/26/26 11:50	06/29/26 13:03	1
trans-Nonachlor	<0.049		0.049		ug/L		06/26/26 11:50	06/29/26 13:03	1
Trifluralin	<0.097		0.097		ug/L		06/26/26 11:50	06/29/26 13:03	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Undecane	*4.03*	*T J N*	*ug/L*		*3.14*	*1120-21-4*	*06/26/26 11:50*	*06/29/26 13:03*	*1*
Cyclopentasiloxane, decamethyl-	*1.04*	*T J N*	*ug/L*		*3.27*	*541-02-6*	*06/26/26 11:50*	*06/29/26 13:03*	*1*
Cyclohexasiloxane, dodecamethyl-	*0.774*	*T J N*	*ug/L*		*3.88*	*540-97-6*	*06/26/26 11:50*	*06/29/26 13:03*	*1*
9-Octadecenamide, (Z)-	*0.579*	*T J N*	*ug/L*		*7.88*	*301-02-0*	*06/26/26 11:50*	*06/29/26 13:03*	*1*
13-Docosenamide, (Z)-	*0.489*	*T J N*	*ug/L*		*10.39*	*112-84-5*	*06/26/26 11:50*	*06/29/26 13:03*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*101*		*70 - 130*	*06/26/26 11:50*	*06/29/26 13:03*	*1*
Perylene-d12	*91*		*70 - 130*	*06/26/26 11:50*	*06/29/26 13:03*	*1*
Triphenylphosphate	*103*		*70 - 130*	*06/26/26 11:50*	*06/29/26 13:03*	*1*

Lab Sample ID: LCS 380-236453/23-A
Matrix: Water
Analysis Batch: 236821

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 236453

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	1.95	2.12		ug/L		109	70 - 130
2,4'-DDD	1.95	2.11		ug/L		108	70 - 130
2,4'-DDE	1.95	2.14		ug/L		110	70 - 130

Method: 525.2 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 380-236453/23-A
Matrix: Water
Analysis Batch: 236821

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 236453

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4'-DDT	1.95	2.10		ug/L		108	70 - 130
2,4-Dinitrotoluene	1.95	2.07		ug/L		106	70 - 130
2,6-Dinitrotoluene	1.95	2.01		ug/L		103	70 - 130
2-Methylnaphthalene	1.95	2.10		ug/L		108	70 - 130
4,4'-DDD	1.95	2.07		ug/L		106	70 - 130
4,4'-DDE	1.95	2.06		ug/L		106	70 - 130
4,4'-DDT	1.95	2.13		ug/L		109	70 - 130
Acenaphthene	1.95	2.07		ug/L		106	70 - 130
Acenaphthylene	1.95	1.96		ug/L		101	70 - 130
Acetochlor	1.95	2.21		ug/L		113	70 - 130
Alachlor	1.95	2.19		ug/L		112	70 - 130
alpha-BHC	1.95	2.17		ug/L		111	70 - 130
alpha-Chlordane	1.95	2.10		ug/L		107	70 - 130
Anthracene	1.95	1.91		ug/L		98	70 - 130
Atrazine	1.95	2.22		ug/L		114	70 - 130
Benz(a)anthracene	1.95	2.09		ug/L		107	70 - 130
Benzo[a]pyrene	1.95	2.10		ug/L		107	70 - 130
Benzo[b]fluoranthene	1.95	2.02		ug/L		103	70 - 130
Benzo[g,h,i]perylene	1.95	2.08		ug/L		107	70 - 130
Benzo[k]fluoranthene	1.95	1.97		ug/L		101	70 - 130
beta-BHC	1.95	2.24		ug/L		115	70 - 130
Bis(2-ethylhexyl) phthalate	1.95	2.04		ug/L		104	70 - 130
Bromacil	1.95	2.10		ug/L		108	70 - 130
Butachlor	1.95	2.25		ug/L		115	70 - 130
Butylbenzylphthalate	1.95	2.22		ug/L		114	70 - 130
Chlorobenzilate	1.95	2.18		ug/L		112	70 - 130
Chloroneb	1.95	2.12		ug/L		109	70 - 130
Chlorothalonil (Draconil, Bravo)	1.95	2.15		ug/L		110	70 - 130
Chlorpyrifos	1.95	2.21		ug/L		113	70 - 130
Chrysene	1.95	2.02		ug/L		103	70 - 130
delta-BHC	1.95	2.21		ug/L		113	70 - 130
Di(2-ethylhexyl)adipate	1.95	2.26		ug/L		116	70 - 130
Dibenz(a,h)anthracene	1.95	2.12		ug/L		109	70 - 130
Diclorvos (DDVP)	1.95	1.99		ug/L		102	70 - 130
Dieldrin	1.95	2.27		ug/L		116	70 - 130
Diethylphthalate	1.95	2.24		ug/L		115	70 - 130
Dimethylphthalate	1.95	2.18		ug/L		112	70 - 130
Di-n-butyl phthalate	3.90	4.51		ug/L		115	70 - 130
Di-n-octyl phthalate	1.95	1.92		ug/L		98	70 - 130
Endosulfan I (Alpha)	1.95	2.14		ug/L		109	70 - 130
Endosulfan II (Beta)	1.95	2.21		ug/L		113	70 - 130
Endosulfan sulfate	1.95	2.12		ug/L		109	70 - 130
Endrin	1.95	2.29		ug/L		117	70 - 130
Endrin aldehyde	1.95	2.12		ug/L		109	60 - 130
EPTC	1.95	2.11		ug/L		108	70 - 130
Fluoranthene	1.95	2.15		ug/L		110	70 - 130
Fluorene	1.95	2.17		ug/L		111	70 - 130
gamma-Chlordane	1.95	2.07		ug/L		106	70 - 130
Heptachlor	1.95	2.17		ug/L		111	70 - 130

Method: 525.2 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 380-236453/23-A
Matrix: Water
Analysis Batch: 236821

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 236453

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Heptachlor epoxide (isomer B)	1.95	2.21		ug/L		113	70 - 130
Hexachlorobenzene	1.95	1.98		ug/L		101	70 - 130
Hexachlorocyclopentadiene	1.95	1.98		ug/L		101	70 - 130
Indeno[1,2,3-cd]pyrene	1.95	2.15		ug/L		110	70 - 130
Isophorone	1.95	2.08		ug/L		107	70 - 130
Lindane	1.95	2.21		ug/L		114	70 - 130
Malathion	1.95	2.15		ug/L		110	70 - 130
Methoxychlor	1.95	2.14		ug/L		110	70 - 130
Metolachlor	1.95	2.32		ug/L		119	70 - 130
Molinate	1.95	2.15		ug/L		110	70 - 130
Naphthalene	1.95	1.98		ug/L		102	70 - 130
Parathion	1.95	2.26		ug/L		116	70 - 130
Pendimethalin (Penoxaline)	1.95	2.19		ug/L		112	70 - 130
Phenanthrene	1.95	2.02		ug/L		103	70 - 130
Propachlor	1.95	2.23		ug/L		114	70 - 130
Pyrene	1.95	2.20		ug/L		113	70 - 130
Simazine	1.95	2.19		ug/L		112	70 - 130
Terbacil	1.95	2.12		ug/L		108	70 - 130
Terbuthylazine	1.95	2.21		ug/L		113	70 - 130
Thiobencarb	1.95	2.16		ug/L		111	70 - 130
trans-Nonachlor	1.95	2.08		ug/L		106	70 - 130
Trifluralin	1.95	2.14		ug/L		110	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Nitro-m-xylene	*101*		*70 - 130*
Perylene-d12	*99*		*70 - 130*
Triphenylphosphate	*107*		*70 - 130*

Lab Sample ID: MRL 380-236453/22-A
Matrix: Water
Analysis Batch: 236821

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 236453

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	0.0973	0.0944	J	ug/L		97	50 - 150
2,4'-DDD	0.0973	0.0950	J	ug/L		98	50 - 150
2,4'-DDE	0.0973	0.107		ug/L		110	50 - 150
2,4'-DDT	0.0973	0.108		ug/L		111	50 - 150
2,4-Dinitrotoluene	0.0973	0.120		ug/L		123	50 - 150
2,6-Dinitrotoluene	0.0973	0.118		ug/L		122	50 - 150
2-Methylnaphthalene	0.0973	0.0966	J	ug/L		99	50 - 150
4,4'-DDD	0.0973	0.106		ug/L		109	50 - 150
4,4'-DDE	0.0973	0.105		ug/L		108	50 - 150
4,4'-DDT	0.0973	0.119		ug/L		123	50 - 150
Acenaphthene	0.0973	0.101		ug/L		104	50 - 150
Acenaphthylene	0.0973	0.0918	J	ug/L		94	50 - 150
Acetochlor	0.0973	0.116		ug/L		120	50 - 150
Alachlor	0.0487	0.0619		ug/L		127	50 - 150
alpha-BHC	0.0973	0.106		ug/L		109	50 - 150

Method: 525.2 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MRL 380-236453/22-A
Matrix: Water
Analysis Batch: 236821

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 236453

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
alpha-Chlordane	0.0243	0.0296	J	ug/L		122	50 - 150
Anthracene	0.0195	0.0237		ug/L		122	50 - 150
Atrazine	0.0487	0.0636		ug/L		131	50 - 150
Benz(a)anthracene	0.0487	0.0590		ug/L		121	50 - 150
Benzo[a]pyrene	0.0195	0.0205		ug/L		105	50 - 150
Benzo[b]fluoranthene	0.0195	0.0240		ug/L		123	50 - 150
Benzo[g,h,i]perylene	0.0487	0.0542		ug/L		111	50 - 150
Benzo[k]fluoranthene	0.0195	0.0221		ug/L		114	50 - 150
beta-BHC	0.0973	0.107		ug/L		109	50 - 150
Bis(2-ethylhexyl) phthalate	0.584	0.638		ug/L		109	50 - 150
Bromacil	0.0973	0.127		ug/L		131	50 - 150
Butachlor	0.0487	0.0646		ug/L		133	50 - 150
Butylbenzylphthalate	0.487	0.580		ug/L		119	50 - 150
Chlorobenzilate	0.0973	0.119		ug/L		122	50 - 150
Chloroneb	0.0973	0.102		ug/L		105	50 - 150
Chlorothalonil (Draconil, Bravo)	0.0973	0.115		ug/L		118	50 - 150
Chlorpyrifos	0.0487	0.0573		ug/L		118	50 - 150
Chrysene	0.0195	0.0237		ug/L		122	50 - 150
delta-BHC	0.0973	0.126		ug/L		130	50 - 150
Di(2-ethylhexyl)adipate	0.584	0.706		ug/L		121	50 - 150
Dibenz(a,h)anthracene	0.0487	0.0523		ug/L		108	50 - 150
Diclorvos (DDVP)	0.0487	0.0599		ug/L		123	50 - 150
Dieldrin	0.00973	0.0118		ug/L		122	50 - 150
Diethylphthalate	0.487	0.603		ug/L		124	50 - 150
Dimethylphthalate	0.487	0.567		ug/L		117	50 - 150
Di-n-butyl phthalate	0.487	0.609	J	ug/L		125	49 - 243
Di-n-octyl phthalate	0.0973	0.109		ug/L		112	50 - 150
Endosulfan I (Alpha)	0.0973	0.0848	J	ug/L		87	50 - 150
Endosulfan II (Beta)	0.0973	0.114		ug/L		117	50 - 150
Endosulfan sulfate	0.0973	0.115		ug/L		118	50 - 150
Endrin	0.00973	0.00942	J	ug/L		97	50 - 150
Endrin aldehyde	0.0973	0.125		ug/L		129	50 - 150
EPTC	0.0973	0.104		ug/L		107	50 - 150
Fluoranthene	0.0973	0.112		ug/L		115	50 - 150
Fluorene	0.0487	0.0552		ug/L		113	50 - 150
gamma-Chlordane	0.0243	0.0295	J	ug/L		121	50 - 150
Heptachlor	0.00973	0.0121		ug/L		124	50 - 150
Heptachlor epoxide (isomer B)	0.00973	0.0138		ug/L		142	50 - 150
Hexachlorobenzene	0.0487	0.0523		ug/L		107	50 - 150
Hexachlorocyclopentadiene	0.0487	0.0496		ug/L		102	50 - 150
Indeno[1,2,3-cd]pyrene	0.0487	0.0498		ug/L		102	50 - 150
Isophorone	0.0973	0.108		ug/L		111	50 - 150
Lindane	0.00973	0.0119		ug/L		122	50 - 150
Malathion	0.0973	0.119		ug/L		122	50 - 150
Methoxychlor	0.0487	0.0600		ug/L		123	50 - 150
Metolachlor	0.0487	0.0575		ug/L		118	50 - 150
Molinate	0.0973	0.120		ug/L		123	50 - 150
Naphthalene	0.0973	0.102		ug/L		105	50 - 150
Parathion	0.0973	0.111		ug/L		114	50 - 150

Method: 525.2 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MRL 380-236453/22-A
Matrix: Water
Analysis Batch: 236821

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 236453

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Pendimethalin (Penoxaline)			0.0973	0.115		ug/L		118	50 - 150		
Phenanthrene			0.0389	0.0454		ug/L		117	50 - 150		
Propachlor			0.0487	0.0619		ug/L		127	50 - 150		
Pyrene			0.0487	0.0573		ug/L		118	50 - 150		
Simazine			0.0487	0.0590		ug/L		121	50 - 150		
Terbacil			0.0973	0.117		ug/L		121	50 - 150		
Terbuthylazine			0.0973	0.115		ug/L		118	50 - 150		
Thiobencarb			0.0973	0.118		ug/L		122	50 - 150		
trans-Nonachlor			0.0243	0.0298	J	ug/L		122	50 - 150		
Trifluralin			0.0973	0.106		ug/L		109	50 - 150		

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
2-Nitro-m-xylene	*100*		*70 - 130*
Perylene-d12	*92*		*70 - 130*
Triphenylphosphate	*104*		*70 - 130*

Lab Sample ID: 380-221691-S-1-A MS
Matrix: Water
Analysis Batch: 236821

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 236453

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
1-Methylnaphthalene	<0.097		1.95	2.10		ug/L		108	70 - 130		
2,4'-DDD	<0.097		1.95	2.01		ug/L		103	70 - 130		
2,4'-DDE	<0.097		1.95	2.03		ug/L		104	70 - 130		
2,4'-DDT	<0.097		1.95	1.94		ug/L		100	70 - 130		
2,4-Dinitrotoluene	<0.097		1.95	2.09		ug/L		107	70 - 130		
2,6-Dinitrotoluene	<0.097		1.95	2.01		ug/L		103	70 - 130		
2-Methylnaphthalene	<0.097		1.95	2.09		ug/L		107	70 - 130		
4,4'-DDD	<0.097		1.95	1.99		ug/L		102	70 - 130		
4,4'-DDE	<0.097		1.95	1.92		ug/L		98	70 - 130		
4,4'-DDT	<0.097		1.95	1.99		ug/L		102	70 - 130		
Acenaphthene	<0.097		1.95	2.03		ug/L		104	70 - 130		
Acenaphthylene	<0.097		1.95	1.98		ug/L		102	70 - 130		
Acetochlor	<0.097		1.95	2.16		ug/L		111	70 - 130		
Alachlor	<0.049		1.95	2.10		ug/L		108	70 - 130		
alpha-BHC	<0.097		1.95	2.16		ug/L		111	70 - 130		
alpha-Chlordane	<0.049		1.95	1.98		ug/L		102	70 - 130		
Anthracene	<0.019	F1	1.95	0.773	F1	ug/L		40	70 - 130		
Atrazine	<0.049		1.95	2.20		ug/L		111	70 - 130		
Benz(a)anthracene	<0.049		1.95	1.76		ug/L		91	70 - 130		
Benzo[a]pyrene	<0.019		1.95	1.45		ug/L		74	70 - 130		
Benzo[b]fluoranthene	<0.019		1.95	1.95		ug/L		100	70 - 130		
Benzo[g,h,i]perylene	<0.049		1.95	1.89		ug/L		97	70 - 130		
Benzo[k]fluoranthene	<0.019		1.95	1.98		ug/L		102	70 - 130		
beta-BHC	<0.097		1.95	2.25		ug/L		116	70 - 130		
Bis(2-ethylhexyl) phthalate	<0.58		1.95	1.78		ug/L		91	70 - 130		
Bromacil	<0.097		1.95	2.13		ug/L		106	70 - 130		
Butachlor	<0.049		1.95	2.15		ug/L		111	70 - 130		

Method: 525.2 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 380-221691-S-1-A MS
Matrix: Water
Analysis Batch: 236821

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 236453

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Butylbenzylphthalate	<0.49		1.95	2.15		ug/L		111	70 - 130
Chlorobenzilate	<0.097		1.95	2.09		ug/L		108	70 - 130
Chloroneb	<0.097		1.95	2.07		ug/L		106	70 - 130
Chlorothalonil (Draconil, Bravo)	<0.097		1.95	2.09		ug/L		107	70 - 130
Chlorpyrifos	<0.049		1.95	2.15		ug/L		110	70 - 130
Chrysene	<0.019		1.95	2.01		ug/L		103	70 - 130
delta-BHC	<0.097		1.95	2.11		ug/L		108	70 - 130
Di(2-ethylhexyl)adipate	<0.58		1.95	2.01		ug/L		103	70 - 130
Dibenz(a,h)anthracene	<0.049		1.95	2.01		ug/L		103	70 - 130
Diclorvos (DDVP)	<0.049		1.95	2.00		ug/L		103	70 - 130
Dieldrin	<0.0097		1.95	2.15		ug/L		110	70 - 130
Diethylphthalate	<0.49		1.95	2.24		ug/L		115	70 - 130
Dimethylphthalate	<0.49		1.95	2.19		ug/L		112	70 - 130
Di-n-butyl phthalate	<0.97		3.89	4.38		ug/L		112	70 - 130
Di-n-octyl phthalate	<0.097		1.95	1.67		ug/L		86	70 - 130
Endosulfan I (Alpha)	<0.097		1.95	2.05		ug/L		105	70 - 130
Endosulfan II (Beta)	<0.097		1.95	2.01		ug/L		103	70 - 130
Endosulfan sulfate	<0.097		1.95	2.00		ug/L		103	70 - 130
Endrin	<0.0097		1.95	2.14		ug/L		110	70 - 130
Endrin aldehyde	<0.097		1.95	1.85		ug/L		95	60 - 130
EPTC	<0.097		1.95	2.06		ug/L		106	70 - 130
Fluoranthene	<0.097		1.95	2.13		ug/L		110	70 - 130
Fluorene	<0.049		1.95	2.20		ug/L		113	70 - 130
gamma-Chlordane	<0.049		1.95	1.95		ug/L		100	70 - 130
Heptachlor	<0.0097		1.95	2.13		ug/L		109	70 - 130
Heptachlor epoxide (isomer B)	<0.0097		1.95	2.10		ug/L		108	70 - 130
Hexachlorobenzene	<0.049		1.95	1.96		ug/L		100	70 - 130
Hexachlorocyclopentadiene	<0.049		1.95	2.04		ug/L		105	70 - 130
Indeno[1,2,3-cd]pyrene	<0.049		1.95	2.06		ug/L		106	70 - 130
Isophorone	<0.097		1.95	2.01		ug/L		104	70 - 130
Lindane	<0.0097		1.95	2.22		ug/L		114	70 - 130
Malathion	<0.097		1.95	2.10		ug/L		108	70 - 130
Methoxychlor	<0.049		1.95	2.18		ug/L		112	70 - 130
Metolachlor	<0.049		1.95	2.22		ug/L		114	70 - 130
Molinate	<0.097		1.95	2.15		ug/L		111	70 - 130
Naphthalene	<0.097		1.95	1.96		ug/L		101	70 - 130
Parathion	<0.097		1.95	2.22		ug/L		114	70 - 130
Pendimethalin (Penoxaline)	<0.097		1.95	2.16		ug/L		111	70 - 130
Phenanthrene	<0.039		1.95	2.00		ug/L		103	70 - 130
Propachlor	<0.049		1.95	2.21		ug/L		113	70 - 130
Pyrene	<0.049		1.95	2.14		ug/L		110	70 - 130
Simazine	<0.049		1.95	2.17		ug/L		111	70 - 130
Terbacil	<0.097		1.95	2.08		ug/L		107	70 - 130
Terbuthylazine	<0.097		1.95	2.20		ug/L		113	70 - 130
Thiobencarb	<0.097		1.95	2.13		ug/L		109	70 - 130
trans-Nonachlor	<0.049		1.95	1.94		ug/L		100	70 - 130
Trifluralin	<0.097		1.95	2.14		ug/L		110	70 - 130

Method: 525.2 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 380-221691-S-1-A MS
Matrix: Water
Analysis Batch: 236821

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 236453

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Nitro-m-xylene	*101*		*70 - 130*
Perylene-d12	*96*		*70 - 130*
Triphenylphosphate	*105*		*70 - 130*

Lab Sample ID: 380-221695-S-1-A DU
Matrix: Water
Analysis Batch: 236821

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 236453

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1-Methylnaphthalene	<0.097			<0.097		ug/L				NC	20
2,4'-DDD	<0.097			<0.097		ug/L				NC	20
2,4'-DDE	<0.097			<0.097		ug/L				NC	20
2,4'-DDT	<0.097			<0.097		ug/L				NC	20
2,4-Dinitrotoluene	<0.097			<0.097		ug/L				NC	20
2,6-Dinitrotoluene	<0.097			<0.097		ug/L				NC	20
2-Methylnaphthalene	<0.097			<0.097		ug/L				NC	20
4,4'-DDD	<0.097			<0.097		ug/L				NC	20
4,4'-DDE	<0.097			<0.097		ug/L				NC	20
4,4'-DDT	<0.097			<0.097		ug/L				NC	20
Acenaphthene	<0.097			<0.097		ug/L				NC	20
Acenaphthylene	<0.097			<0.097		ug/L				NC	20
Acetochlor	<0.097			<0.097		ug/L				NC	20
Alachlor	<0.048			<0.049		ug/L				NC	20
alpha-BHC	<0.097			<0.097		ug/L				NC	20
alpha-Chlordane	<0.048			<0.049		ug/L				NC	20
Anthracene	<0.019			<0.019		ug/L				NC	20
Atrazine	<0.048			<0.049		ug/L				NC	20
Benz(a)anthracene	<0.048			<0.049		ug/L				NC	20
Benzo[a]pyrene	<0.019			<0.019		ug/L				NC	20
Benzo[b]fluoranthene	<0.019			<0.019		ug/L				NC	20
Benzo[g,h,i]perylene	<0.048			<0.049		ug/L				NC	20
Benzo[k]fluoranthene	<0.019			<0.019		ug/L				NC	20
beta-BHC	<0.097			<0.097		ug/L				NC	20
Bis(2-ethylhexyl) phthalate	<0.58			<0.58		ug/L				NC	20
Bromacil	<0.097			<0.097		ug/L				NC	20
Butachlor	<0.048			<0.049		ug/L				NC	20
Butylbenzylphthalate	<0.48			<0.49		ug/L				NC	20
Chlorobenzilate	<0.097			<0.097		ug/L				NC	20
Chloroneb	<0.097			<0.097		ug/L				NC	20
Chlorothalonil (Draconil, Bravo)	<0.097			<0.097		ug/L				NC	20
Chlorpyrifos	<0.048			<0.049		ug/L				NC	20
Chrysene	<0.019			<0.019		ug/L				NC	20
delta-BHC	<0.097			<0.097		ug/L				NC	20
Di(2-ethylhexyl)adipate	<0.58			<0.58		ug/L				NC	20
Dibenz(a,h)anthracene	<0.048			<0.049		ug/L				NC	20
Diclorvos (DDVP)	<0.048			<0.049		ug/L				NC	20
Dieldrin	<0.0097			<0.0097		ug/L				NC	20
Diethylphthalate	<0.48			<0.49		ug/L				NC	20

Method: 525.2 - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 380-221695-S-1-A DU
Matrix: Water
Analysis Batch: 236821

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 236453

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Dimethylphthalate	<0.48			<0.49		ug/L				NC	20
Di-n-butyl phthalate	<0.97			<0.97		ug/L				NC	20
Di-n-octyl phthalate	<0.097			<0.097		ug/L				NC	20
Endosulfan I (Alpha)	<0.097			<0.097		ug/L				NC	20
Endosulfan II (Beta)	<0.097			<0.097		ug/L				NC	20
Endosulfan sulfate	<0.097			<0.097		ug/L				NC	20
Endrin	<0.0097			<0.0097		ug/L				NC	20
Endrin aldehyde	<0.097			<0.097		ug/L				NC	20
EPTC	<0.097			<0.097		ug/L				NC	20
Fluoranthene	<0.097			<0.097		ug/L				NC	20
Fluorene	<0.048			<0.049		ug/L				NC	20
gamma-Chlordane	<0.048			<0.049		ug/L				NC	20
Heptachlor	<0.0097			<0.0097		ug/L				NC	20
Heptachlor epoxide (isomer B)	<0.0097			<0.0097		ug/L				NC	20
Hexachlorobenzene	<0.048			<0.049		ug/L				NC	20
Hexachlorocyclopentadiene	<0.048			<0.049		ug/L				NC	20
Indeno[1,2,3-cd]pyrene	<0.048			<0.049		ug/L				NC	20
Isophorone	<0.097			<0.097		ug/L				NC	20
Lindane	<0.0097			<0.0097		ug/L				NC	20
Malathion	<0.097			<0.097		ug/L				NC	20
Methoxychlor	<0.048			<0.049		ug/L				NC	20
Metolachlor	<0.048			<0.049		ug/L				NC	20
Molinate	<0.097			<0.097		ug/L				NC	20
Naphthalene	<0.097			<0.097		ug/L				NC	20
Parathion	<0.097			<0.097		ug/L				NC	20
Pendimethalin (Penoxaline)	<0.097			<0.097		ug/L				NC	20
Phenanthrene	<0.039			<0.039		ug/L				NC	20
Propachlor	<0.048			<0.049		ug/L				NC	20
Pyrene	<0.048			<0.049		ug/L				NC	20
Simazine	<0.048			<0.049		ug/L				NC	20
Terbacil	<0.097			<0.097		ug/L				NC	20
Terbuthylazine	<0.097			<0.097		ug/L				NC	20
Thiobencarb	<0.097			<0.097		ug/L				NC	20
Total Permethrin (mixed isomers)	<0.19			<0.19		ug/L				NC	20
trans-Nonachlor	<0.048			<0.049		ug/L				NC	20
Trifluralin	<0.097			<0.097		ug/L				NC	20

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
2-Nitro-m-xylene	*102*		*70 - 130*
Perylene-d12	*92*		*70 - 130*
Triphenylphosphate	*102*		*70 - 130*

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

Lab Sample ID: MB 570-761114/1-A
Matrix: Water
Analysis Batch: 766469

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 761114

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	06/27/26 10:13	07/09/26 14:43	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	51		33 - 139	06/27/26 10:13	07/09/26 14:43	1
2-Fluorobiphenyl (Surr)	84		33 - 126	06/27/26 10:13	07/09/26 14:43	1
2-Fluorophenol (Surr)	59		12 - 120	06/27/26 10:13	07/09/26 14:43	1
Nitrobenzene-d5 (Surr)	47		36 - 120	06/27/26 10:13	07/09/26 14:43	1
Phenol-d6 (Surr)	36		10 - 120	06/27/26 10:13	07/09/26 14:43	1
p-Terphenyl-d14 (Surr)	85		47 - 131	06/27/26 10:13	07/09/26 14:43	1

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

Lab Sample ID: MB 570-762338/6
Matrix: Water
Analysis Batch: 762338

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			06/30/26 13:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		38 - 134		06/30/26 13:20	1

Lab Sample ID: LCS 570-762338/3
Matrix: Water
Analysis Batch: 762338

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	391		ug/L		98	78 - 120		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		38 - 134

Lab Sample ID: LCSD 570-762338/4
Matrix: Water
Analysis Batch: 762338

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	379		ug/L		95	78 - 120	3	10

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

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

Lab Sample ID: MRL 570-762338/5
Matrix: Water
Analysis Batch: 762338

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	12.2		ug/L		122	50 - 150		

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

Lab Sample ID: 380-221324-A-1 MS
Matrix: Water
Analysis Batch: 762338

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	382		ug/L		96	68 - 122		

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

Lab Sample ID: 380-221324-A-1 MSD
Matrix: Water
Analysis Batch: 762338

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	367		ug/L		92	68 - 122	4	18

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*38 - 134*

GC/MS Semi VOA

Prep Batch: 236453

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-221365-1	AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Drinking Water	525.2	
MB 380-236453/21-A	Method Blank	Total/NA	Water	525.2	
LCS 380-236453/23-A	Lab Control Sample	Total/NA	Water	525.2	
MRL 380-236453/22-A	Lab Control Sample	Total/NA	Water	525.2	
380-221691-S-1-A MS	Matrix Spike	Total/NA	Water	525.2	
380-221695-S-1-A DU	Duplicate	Total/NA	Water	525.2	

Analysis Batch: 236821

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-221365-1	AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Drinking Water	525.2	236453
MB 380-236453/21-A	Method Blank	Total/NA	Water	525.2	236453
LCS 380-236453/23-A	Lab Control Sample	Total/NA	Water	525.2	236453
MRL 380-236453/22-A	Lab Control Sample	Total/NA	Water	525.2	236453
380-221691-S-1-A MS	Matrix Spike	Total/NA	Water	525.2	236453
380-221695-S-1-A DU	Duplicate	Total/NA	Water	525.2	236453

Prep Batch: 761114

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-221365-1	AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Drinking Water	625.1	
MB 570-761114/1-A	Method Blank	Total/NA	Water	625.1	

Analysis Batch: 766469

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-221365-1	AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Drinking Water	625.1	761114
MB 570-761114/1-A	Method Blank	Total/NA	Water	625.1	761114

GC VOA

Analysis Batch: 762338

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-221365-1	AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Drinking Water	8015B GRO LL	
380-221365-2	TB: AIEA WELLS P2 (260) (331-004-WL103)	Total/NA	Water	8015B GRO LL	
MB 570-762338/6	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-762338/3	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-762338/4	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-762338/5	Lab Control Sample	Total/NA	Water	8015B GRO LL	
380-221324-A-1 MS	Matrix Spike	Total/NA	Water	8015B GRO LL	
380-221324-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B GRO LL	

Lab Chronicle

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

Job ID: 380-221365-1
SDG: Weekly: Aiea Wells P2

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

Lab Sample ID: 380-221365-1

Date Collected: 06/22/26 11:18
Matrix: Drinking Water
Date Received: 06/24/26 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			236453	L9UA	EA POM	06/26/26 11:50
Total/NA	Analysis	525.2		1	236821	Q8LA	EA POM	06/29/26 16:25
Total/NA	Prep	625.1			761114	KLZQ	EET CAL 4	06/27/26 13:39
Total/NA	Analysis	625.1		1	766469	UX77	EET CAL 4	07/09/26 17:56
Total/NA	Analysis	8015B GRO LL		1	762338	A9VE	EET CAL 4	06/30/26 17:12

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

Lab Sample ID: 380-221365-2

Date Collected: 06/22/26 11:18
Matrix: Water
Date Received: 06/24/26 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015B GRO LL		1	762338	A9VE	EET CAL 4	06/30/26 21:35

Laboratory References:

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

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: 380-221365-1
SDG: Weekly: Aiea Wells P2

Laboratory: Eurofins Pomona

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

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

The following analytes are included in this report, but the laboratory is not certified by Hawaii State CA00006. This list may include analytes for which the agency does not offer certification:

Analysis Method	Prep Method	Matrix	Analyte
525.2	525.2	Drinking Water	1-Methylnaphthalene
525.2	525.2	Drinking Water	2,4'-DDD
525.2	525.2	Drinking Water	2,4'-DDE
525.2	525.2	Drinking Water	2,4'-DDT
525.2	525.2	Drinking Water	2,4-Dinitrotoluene
525.2	525.2	Drinking Water	2,6-Dinitrotoluene
525.2	525.2	Drinking Water	2-Methylnaphthalene
525.2	525.2	Drinking Water	4,4'-DDD
525.2	525.2	Drinking Water	4,4'-DDE
525.2	525.2	Drinking Water	4,4'-DDT
525.2	525.2	Drinking Water	Acetochlor
525.2	525.2	Drinking Water	alpha-BHC
525.2	525.2	Drinking Water	alpha-Chlordane
525.2	525.2	Drinking Water	beta-BHC
525.2	525.2	Drinking Water	Chlorobenzilate
525.2	525.2	Drinking Water	Chloroneb
525.2	525.2	Drinking Water	Chlorothalonil (Draconil, Bravo)
525.2	525.2	Drinking Water	Chlorpyrifos
525.2	525.2	Drinking Water	delta-BHC
525.2	525.2	Drinking Water	Diclorvos (DDVP)
525.2	525.2	Drinking Water	Endosulfan I (Alpha)
525.2	525.2	Drinking Water	Endosulfan II (Beta)
525.2	525.2	Drinking Water	Endosulfan sulfate
525.2	525.2	Drinking Water	Endrin aldehyde
525.2	525.2	Drinking Water	EPTC
525.2	525.2	Drinking Water	gamma-Chlordane
525.2	525.2	Drinking Water	Isophorone
525.2	525.2	Drinking Water	Malathion
525.2	525.2	Drinking Water	Parathion
525.2	525.2	Drinking Water	Pendimethalin (Penoxaline)
525.2	525.2	Drinking Water	Terbacil
525.2	525.2	Drinking Water	Terbuthylazine
525.2	525.2	Drinking Water	Total Permethrin (mixed isomers)
525.2	525.2	Drinking Water	trans-Nonachlor

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	03-02-27
Arizona	State	AZ0830	11-17-26
California	Los Angeles County Sanitation Districts	9257304	07-31-26
California	SCAQMD LAP	17LA0919	11-30-26

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

Accreditation/Certification Summary

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

Job ID: 380-221365-1
SDG: Weekly: Aiea Wells P2

Laboratory: Eurofins Calscience (Continued)

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

Authority	Program	Identification Number	Expiration Date
California	State	3082	07-31-26
Kansas	NELAP	E-10420	07-31-26
Nevada	State	CA00111	07-31-26
Oregon	NELAP	4175	02-02-27
Texas	NELAP	T104704499	07-31-27
USDA	US Federal Programs	525-23-159-97150	09-30-26
Utah	NELAP	CA00111	02-28-27
Washington	State	C916	10-12-26

Method Summary

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

Job ID: 380-221365-1
SDG: Weekly: Aiea Wells P2

Method	Method Description	Protocol	Laboratory
525.2	Semivolatile Organic Compounds (GC/MS)	EPA	EA POM
625.1	Semivolatile Organic Compounds (GC/MS)	EPA	EET CAL 4
8015B GRO LL	Gasoline Range Organics - (GC)	SW846	EET CAL 4
5030C	Purge and Trap	SW846	EET CAL 4
525.2	Extraction of Semivolatile Compounds	EPA	EA POM
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:

EA POM = Eurofins Pomona, 941 Corporate Center Drive, Pomona, CA 91768-2642, TEL (626)386-1100
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: 380-221365-1
SDG: Weekly: Aiea Wells P2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
380-221365-1	AIEA WELLS P2 (260) (331-004-WL103)	Drinking Water	06/22/26 11:18	06/24/26 09:30	Hawaii
380-221365-2	TB: AIEA WELLS P2 (260) (331-004-WL103)	Water	06/22/26 11:18	06/24/26 09:30	Hawaii

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	Sampler: bailey	Lab PM: Lopez, Maria	Carrier Tracking No(s):	COC No:
Client Contact: Kirk Iwamoto	Phone: +1 808 748 5840	E-Mail: Maria.Lopez@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:

380-221365 COC

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	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 P2 (260) (331-004-WL103)	22-Jun-2026	1118	G	Water			2	3	1	2				
Aiea Wells P2 (260) (331-004-WL103) (Matrix Spike)				Water										
Aiea Wells P2 (260) (331-004-WL103) (Matrix Spike Duplicate)				Water										
TB: Aiea Wells P2 (260) (331-004-WL103)	22-Jun-2026	1118		Water				2						

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: FX 8734 6191 7662
[redacted]	Date/Time: 23 JUNE 2026 1000	Company: HBWS	Received by: [signature] Date/Time: 6/24/26 0930 Company: EAP
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: 5.6 ±0.0 = 5.6 ice (63HH)

Ver: 04/02/2024

7/16/2026

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: 23JUN26
ACTWGT: 56.00 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.

58KJ5/6A57/484B

FedEx Express

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WED - 24 JUN 10:30A
PRIORITY OVERNIGHT

1 of 7
TRK# 0201 **8734 6191 7651**
MASTER

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91768
CA-US **ONT**

(631A) 2.4 + 0.0 2.9 961 - frozen
~~Mauttt~~ Mark Martin 6/24/26 930

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

Chain of Custody Record

eurofins | Environ

Loc: 380
221365

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Lopez, Maria	Carrier Tracking No(s): N/A	COC No: 380-349959.1
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 #: 380-221365-1
Address: 2841 Dow Avenue, Suite 100,	Due Date Requested: 7/8/2026			
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			

Analysis Requested

Preservation Codes:
-

Other: N/A

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)	8015B_DRO_LL_CS/3510C_LL/HNL Ranges: C10-C24/C24-C36/C8-C18	8015B_GRO_LL/5030C(MOD) GRO	625.1_SIM/625_Prep(MOD) Extended PAH List	625.1/625_Prep(MOD) Tentatively Identified Compounds (Hold)	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
AIEA WELLS P2 (260) (331-004-WL103) (380-221365-1)	6/22/26	11:18 Hawaiian	G	Water			X	X	X	X	7	MRLs are needed. Confirm any hits >RL.
TB: AIEA WELLS P2 (260) (331-004-WL103) (380-221365-2)	6/22/26	11:18 Hawaiian	G	Water				X			2	MRLs are needed. Confirm any hits >RL.

380-221365 Chain of Custody

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

Possible Hazard Identification	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
	6/25/26 1140			6/25/26 11:40	
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: 1.5/1.5 IR-8

Ver: 03/20/2026

7/16/2026

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-221365-1
SDG Number: Weekly: Aiea Wells P2

Login Number: 221365
List Number: 1
Creator: Segura, Ryan

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).	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: 380-221365-1
SDG Number: Weekly: Aiea Wells P2

Login Number: 221365
List Number: 2
Creator: Khana, Piyush

List Source: Eurofins Calscience
List Creation: 06/25/26 05:23 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	1.5
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	fgf5
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	