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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

ANALYTICAL REPORT

PREPARED FOR

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

Generated 2/5/2026 5:21:01 PM

JOB DESCRIPTION

RED-HILL
Weekly: Ka'amilo Wells P2

JOB NUMBER

380-193902-1

Eurofins Pomona
941 Corporate Center Drive
Pomona CA 91768-2642

See page two for job notes and contact information.

Job Notes

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

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

Compliance Statement

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

Authorization

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Authorized for release by
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Table of Contents

Definitions/Glossary

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

Job ID: 380-193902-1
SDG: Weekly: Ka'amilo Wells P2

Qualifiers

GC/MS Semi VOA

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

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
380-193902-1

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 1/22/2026 9:55 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.3°C.

Receipt Exceptions

GC/MS Semi VOA
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
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: 380-193902-1
SDG: Weekly: Ka'amilo Wells P2

Client Sample ID: Ka'amilo Wells P2 — Lab Sample ID: 380-193902-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Dieldrin	0.076		0.0096		ug/L	1		525.2	Total/NA
Heptachlor epoxide (isomer B)	0.012		0.0096		ug/L	1		525.2	Total/NA

Client Sample ID: TB: Ka'amilo Wells P2 — Lab Sample ID: 380-193902-2

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Pomona

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

Job ID: 380-193902-1
SDG: Weekly: Ka'amilo Wells P2

Client Sample ID: Ka'amilo Wells P2
Date Collected: 01/20/26 12:00
Date Received: 01/22/26 09:55

Lab Sample ID: 380-193902-1
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.096		0.096		ug/L		01/26/26 07:48	01/27/26 12:53	1
2,4'-DDD	<0.096		0.096		ug/L		01/26/26 07:48	01/27/26 12:53	1
2,4'-DDE	<0.096		0.096		ug/L		01/26/26 07:48	01/27/26 12:53	1
2,4'-DDT	<0.096		0.096		ug/L		01/26/26 07:48	01/27/26 12:53	1
2,4-Dinitrotoluene	<0.096		0.096		ug/L		01/26/26 07:48	01/27/26 12:53	1
2,6-Dinitrotoluene	<0.096		0.096		ug/L		01/26/26 07:48	01/27/26 12:53	1
2-Methylnaphthalene	<0.096		0.096		ug/L		01/26/26 07:48	01/27/26 12:53	1
4,4'-DDD	<0.096		0.096		ug/L		01/26/26 07:48	01/27/26 12:53	1
4,4'-DDE	<0.096		0.096		ug/L		01/26/26 07:48	01/27/26 12:53	1
4,4'-DDT	<0.096		0.096		ug/L		01/26/26 07:48	01/27/26 12:53	1
Acenaphthene	<0.096		0.096		ug/L		01/26/26 07:48	01/27/26 12:53	1
Acenaphthylene	<0.096		0.096		ug/L		01/26/26 07:48	01/27/26 12:53	1
Acetochlor	<0.096		0.096		ug/L		01/26/26 07:48	01/27/26 12:53	1
Alachlor	<0.048		0.048		ug/L		01/26/26 07:48	01/27/26 12:53	1
alpha-BHC	<0.096		0.096		ug/L		01/26/26 07:48	01/27/26 12:53	1
alpha-Chlordane	<0.048		0.048		ug/L		01/26/26 07:48	01/27/26 12:53	1
Anthracene	<0.019		0.019		ug/L		01/26/26 07:48	01/27/26 12:53	1
Atrazine	<0.048		0.048		ug/L		01/26/26 07:48	01/27/26 12:53	1
Benz(a)anthracene	<0.048		0.048		ug/L		01/26/26 07:48	01/27/26 12:53	1
Benzo[a]pyrene	<0.019		0.019		ug/L		01/26/26 07:48	01/27/26 12:53	1
Benzo[b]fluoranthene	<0.019		0.019		ug/L		01/26/26 07:48	01/27/26 12:53	1
Benzo[g,h,i]perylene	<0.048		0.048		ug/L		01/26/26 07:48	01/27/26 12:53	1
Benzo[k]fluoranthene	<0.019		0.019		ug/L		01/26/26 07:48	01/27/26 12:53	1
beta-BHC	<0.096		0.096		ug/L		01/26/26 07:48	01/27/26 12:53	1
Bis(2-ethylhexyl) phthalate	<0.58		0.58		ug/L		01/26/26 07:48	01/27/26 12:53	1
Bromacil	<0.096		0.096		ug/L		01/26/26 07:48	01/27/26 12:53	1
Butachlor	<0.048		0.048		ug/L		01/26/26 07:48	01/27/26 12:53	1
Butylbenzylphthalate	<0.48		0.48		ug/L		01/26/26 07:48	01/27/26 12:53	1
Chlorobenzilate	<0.096		0.096		ug/L		01/26/26 07:48	01/27/26 12:53	1
Chloroneb	<0.096		0.096		ug/L		01/26/26 07:48	01/27/26 12:53	1
Chlorothalonil (Draconil, Bravo)	<0.096		0.096		ug/L		01/26/26 07:48	01/27/26 12:53	1
Chlorpyrifos	<0.048		0.048		ug/L		01/26/26 07:48	01/27/26 12:53	1
Chrysene	<0.019		0.019		ug/L		01/26/26 07:48	01/27/26 12:53	1
delta-BHC	<0.096		0.096		ug/L		01/26/26 07:48	01/27/26 12:53	1
Di(2-ethylhexyl)adipate	<0.58		0.58		ug/L		01/26/26 07:48	01/27/26 12:53	1
Dibenz(a,h)anthracene	<0.048		0.048		ug/L		01/26/26 07:48	01/27/26 12:53	1
Diclorvos (DDVP)	<0.048		0.048		ug/L		01/26/26 07:48	01/27/26 12:53	1
Dieldrin	**0.076**		0.0096		ug/L		01/26/26 07:48	01/27/26 12:53	1
Diethylphthalate	<0.48		0.48		ug/L		01/26/26 07:48	01/27/26 12:53	1
Dimethylphthalate	<0.48		0.48		ug/L		01/26/26 07:48	01/27/26 12:53	1
Di-n-butyl phthalate	<0.96		0.96		ug/L		01/26/26 07:48	01/27/26 12:53	1
Di-n-octyl phthalate	<0.096		0.096		ug/L		01/26/26 07:48	01/27/26 12:53	1
Endosulfan I (Alpha)	<0.096		0.096		ug/L		01/26/26 07:48	01/27/26 12:53	1
Endosulfan II (Beta)	<0.096		0.096		ug/L		01/26/26 07:48	01/27/26 12:53	1
Endosulfan sulfate	<0.096		0.096		ug/L		01/26/26 07:48	01/27/26 12:53	1
Endrin	<0.0096		0.0096		ug/L		01/26/26 07:48	01/27/26 12:53	1
Endrin aldehyde	<0.096		0.096		ug/L		01/26/26 07:48	01/27/26 12:53	1
EPTC	<0.096		0.096		ug/L		01/26/26 07:48	01/27/26 12:53	1
Fluoranthene	<0.096		0.096		ug/L		01/26/26 07:48	01/27/26 12:53	1

Client Sample ID: Ka'amilo Wells P2

Date Collected: 01/20/26 12:00
Date Received: 01/22/26 09:55

Lab Sample ID: 380-193902-1

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.048		0.048		ug/L		01/26/26 07:48	01/27/26 12:53	1
gamma-Chlordane	<0.048		0.048		ug/L		01/26/26 07:48	01/27/26 12:53	1
Heptachlor	<0.0096		0.0096		ug/L		01/26/26 07:48	01/27/26 12:53	1
Heptachlor epoxide (isomer B)	**0.012**		0.0096		ug/L		01/26/26 07:48	01/27/26 12:53	1
Hexachlorobenzene	<0.048		0.048		ug/L		01/26/26 07:48	01/27/26 12:53	1
Hexachlorocyclopentadiene	<0.048		0.048		ug/L		01/26/26 07:48	01/27/26 12:53	1
Indeno[1,2,3-cd]pyrene	<0.048		0.048		ug/L		01/26/26 07:48	01/27/26 12:53	1
Isophorone	<0.096		0.096		ug/L		01/26/26 07:48	01/27/26 12:53	1
Lindane	<0.0096		0.0096		ug/L		01/26/26 07:48	01/27/26 12:53	1
Malathion	<0.096		0.096		ug/L		01/26/26 07:48	01/27/26 12:53	1
Methoxychlor	<0.048		0.048		ug/L		01/26/26 07:48	01/27/26 12:53	1
Metolachlor	<0.048		0.048		ug/L		01/26/26 07:48	01/27/26 12:53	1
Molinate	<0.096		0.096		ug/L		01/26/26 07:48	01/27/26 12:53	1
Naphthalene	<0.096		0.096		ug/L		01/26/26 07:48	01/27/26 12:53	1
Parathion	<0.096		0.096		ug/L		01/26/26 07:48	01/27/26 12:53	1
Pendimethalin (Penoxaline)	<0.096		0.096		ug/L		01/26/26 07:48	01/27/26 12:53	1
Phenanthrene	<0.038		0.038		ug/L		01/26/26 07:48	01/27/26 12:53	1
Propachlor	<0.048		0.048		ug/L		01/26/26 07:48	01/27/26 12:53	1
Pyrene	<0.048		0.048		ug/L		01/26/26 07:48	01/27/26 12:53	1
Simazine	<0.048		0.048		ug/L		01/26/26 07:48	01/27/26 12:53	1
Terbacil	<0.096		0.096		ug/L		01/26/26 07:48	01/27/26 12:53	1
Terbuthylazine	<0.096		0.096		ug/L		01/26/26 07:48	01/27/26 12:53	1
Thiobencarb	<0.096		0.096		ug/L		01/26/26 07:48	01/27/26 12:53	1
Total Permethrin (mixed isomers)	<0.19		0.19		ug/L		01/26/26 07:48	01/27/26 12:53	1
trans-Nonachlor	<0.048		0.048		ug/L		01/26/26 07:48	01/27/26 12:53	1
Trifluralin	<0.096		0.096		ug/L		01/26/26 07:48	01/27/26 12:53	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*	*01/26/26 07:48*	*01/27/26 12:53*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*96*		*70 - 130*	*01/26/26 07:48*	*01/27/26 12:53*	*1*
Perylene-d12	*93*		*70 - 130*	*01/26/26 07:48*	*01/27/26 12:53*	*1*
Triphenylphosphate	*105*		*70 - 130*	*01/26/26 07:48*	*01/27/26 12:53*	*1*

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		01/24/26 09:00	02/03/26 17:55	1
2-Methylnaphthalene	<0.20		0.20		ug/L		01/24/26 09:00	02/03/26 17:55	1
Acenaphthene	<0.20		0.20		ug/L		01/24/26 09:00	02/03/26 17:55	1
Acenaphthylene	<0.20		0.20		ug/L		01/24/26 09:00	02/03/26 17:55	1
Anthracene	<0.20		0.20		ug/L		01/24/26 09:00	02/03/26 17:55	1
Benzo[a]anthracene	<0.20		0.20		ug/L		01/24/26 09:00	02/03/26 17:55	1
Benzo[a]pyrene	<0.20		0.20		ug/L		01/24/26 09:00	02/03/26 17:55	1
Benzo[b]fluoranthene	<0.20		0.20		ug/L		01/24/26 09:00	02/03/26 17:55	1
Benzo[g,h,i]perylene	<0.20		0.20		ug/L		01/24/26 09:00	02/03/26 17:55	1
Benzo[k]fluoranthene	<0.20		0.20		ug/L		01/24/26 09:00	02/03/26 17:55	1
Chrysene	<0.20		0.20		ug/L		01/24/26 09:00	02/03/26 17:55	1
Dibenz(a,h)anthracene	<0.20		0.20		ug/L		01/24/26 09:00	02/03/26 17:55	1
Fluoranthene	<0.20		0.20		ug/L		01/24/26 09:00	02/03/26 17:55	1

Client Sample ID: Ka'amilo Wells P2

Lab Sample ID: 380-193902-1
Matrix: Water
Date Collected: 01/20/26 12:00
Date Received: 01/22/26 09:55

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.20		0.20		ug/L		01/24/26 09:00	02/03/26 17:55	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20		ug/L		01/24/26 09:00	02/03/26 17:55	1
Naphthalene	<0.20		0.20		ug/L		01/24/26 09:00	02/03/26 17:55	1
Phenanthrene	<0.20		0.20		ug/L		01/24/26 09:00	02/03/26 17:55	1
Pyrene	<0.20		0.20		ug/L		01/24/26 09:00	02/03/26 17:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*84*		*28 - 127*	*01/24/26 09:00*	*02/03/26 17:55*	*1*
2-Fluorobiphenyl (Surr)	*77*		*31 - 120*	*01/24/26 09:00*	*02/03/26 17:55*	*1*
2-Fluorophenol (Surr)	*53*		*17 - 120*	*01/24/26 09:00*	*02/03/26 17:55*	*1*
Nitrobenzene-d5 (Surr)	*81*		*27 - 120*	*01/24/26 09:00*	*02/03/26 17:55*	*1*
Phenol-d6 (Surr)	*34*		*10 - 120*	*01/24/26 09:00*	*02/03/26 17:55*	*1*
p-Terphenyl-d14 (Surr)	*95*		*45 - 120*	*01/24/26 09:00*	*02/03/26 17:55*	*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*	*01/24/26 09:00*	*02/04/26 17:27*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*76*		*33 - 139*	*01/24/26 09:00*	*02/04/26 17:27*	*1*
2-Fluorobiphenyl (Surr)	*77*		*33 - 126*	*01/24/26 09:00*	*02/04/26 17:27*	*1*
2-Fluorophenol (Surr)	*60*		*12 - 120*	*01/24/26 09:00*	*02/04/26 17:27*	*1*
Nitrobenzene-d5 (Surr)	*70*		*36 - 120*	*01/24/26 09:00*	*02/04/26 17:27*	*1*
Phenol-d6 (Surr)	*30*		*10 - 120*	*01/24/26 09:00*	*02/04/26 17:27*	*1*
p-Terphenyl-d14 (Surr)	*86*		*47 - 131*	*01/24/26 09:00*	*02/04/26 17:27*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10		ug/L			01/27/26 19:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*38 - 134*		*01/27/26 19:17*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<26		26		ug/L		01/25/26 10:38	01/28/26 20:06	1
Motor Oil Range Organics [C24-C36]	<26		26		ug/L		01/25/26 10:38	01/28/26 20:06	1
C8-C18	<26		26		ug/L		01/25/26 10:38	01/28/26 20:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*120*		*60 - 130*	*01/25/26 10:38*	*01/28/26 20:06*	*1*

Client Sample ID: TB: Ka'amilo Wells P2

Lab Sample ID: 380-193902-2
Matrix: Water
Date Collected: 01/20/26 12:00
Date Received: 01/22/26 09:55

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			01/28/26 00:42	1

Client Sample Results

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

Job ID: 380-193902-1
SDG: Weekly: Ka'amilo Wells P2

Client Sample ID: TB: Ka'amilo Wells P2

Date Collected: 01/20/26 12:00
Date Received: 01/22/26 09:55

Lab Sample ID: 380-193902-2

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*95*		*38 - 134*		*01/28/26 00:42*	*1*

Action Limit Summary

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

Job ID: 380-193902-1
SDG: Weekly: Ka'amilo Wells P2

Client Sample ID: Ka'amilo Wells P2 — Lab Sample ID: 380-193902-1

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	<0.048		ug/L	2	0.048	525.2	Total/NA
Atrazine	<0.048		ug/L	3	0.048	525.2	Total/NA
Benzo[a]pyrene	<0.019		ug/L	0.2	0.019	525.2	Total/NA
Bis(2-ethylhexyl) phthalate	<0.58		ug/L	6	0.58	525.2	Total/NA
Di(2-ethylhexyl)adipate	<0.58		ug/L	400	0.58	525.2	Total/NA
Endrin	<0.0096		ug/L	2	0.0096	525.2	Total/NA
Heptachlor	<0.0096		ug/L	0.4	0.0096	525.2	Total/NA
Heptachlor epoxide (isomer B)	0.012		ug/L	0.2	0.0096	525.2	Total/NA
Hexachlorobenzene	<0.048		ug/L	1	0.048	525.2	Total/NA
Hexachlorocyclopentadiene	<0.048		ug/L	50	0.048	525.2	Total/NA
Lindane	<0.0096		ug/L	0.2	0.0096	525.2	Total/NA
Methoxychlor	<0.048		ug/L	40	0.048	525.2	Total/NA
Simazine	<0.048		ug/L	4	0.048	525.2	Total/NA
Benzo[a]pyrene	<0.20		ug/L	0.2	0.20	625.1 SIM	Total/NA

Surrogate Summary

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

Job ID: 380-193902-1
SDG: Weekly: Ka'amilo Wells P2

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)
380-193902-1	Ka'amilo Wells P2	96	93	105
380-193902-1 MS	Ka'amilo Wells P2	96	99	105
380-193911-B-1-A DU	Duplicate	96	89	105
LCS 380-200931/23-A	Lab Control Sample	98	100	109
MB 380-200931/21-A	Method Blank	97	87	105
MRL 380-200931/22-A	Lab Control Sample	97	91	104

Surrogate Legend

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

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)
380-193902-1	Ka'amilo Wells P2	76	77	60	70	30	86
MB 570-686409/1-A	Method Blank	98	95	73	86	37	102

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)
380-193902-1	Ka'amilo Wells P2	84	77	53	81	34	95
570-264273-D-1-A MS	Matrix Spike	102	91	68	101	44	93
570-264273-F-1-A MSD	Matrix Spike Duplicate	85	77	60	85	39	79
LCS 570-686409/2-A	Lab Control Sample	105	88	69	96	44	99
LCSD 570-686409/3-A	Lab Control Sample Dup	95	80	58	82	38	91
MB 570-686409/1-A	Method Blank	97	87	59	89	37	82

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)

Surrogate Summary

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

Job ID: 380-193902-1
SDG: Weekly: Ka'amilo Wells P2

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	BFB1 (38-134)
380-193582-X-1 MS	Matrix Spike	97
380-193582-Y-1 MSD	Matrix Spike Duplicate	92
380-193902-1	Ka'amilo Wells P2	95
380-193902-2	TB: Ka'amilo Wells P2	95
LCS 570-687650/3	Lab Control Sample	86
LCSD 570-687650/4	Lab Control Sample Dup	93
MB 570-687650/5	Method Blank	85
MRL 570-687650/6	Lab Control Sample	86

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	OTCSN1 (60-130)
380-193902-1	Ka'amilo Wells P2	120
380-194233-C-1-A MS	Matrix Spike	120
380-194233-D-1-A MSD	Matrix Spike Duplicate	115
LCS 570-686737/2-A	Lab Control Sample	92
LCSD 570-686737/3-A	Lab Control Sample Dup	102
MB 570-686737/1-A	Method Blank	117
MRL 570-686737/4-A	Lab Control Sample	121

Surrogate Legend

OTCSN = n-Octacosane (Surr)

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

Lab Sample ID: MB 380-200931/21-A
Matrix: Water
Analysis Batch: 201255

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 200931

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.099		0.099		ug/L		01/26/26 07:48	01/27/26 10:38	1
2,4'-DDD	<0.099		0.099		ug/L		01/26/26 07:48	01/27/26 10:38	1
2,4'-DDE	<0.099		0.099		ug/L		01/26/26 07:48	01/27/26 10:38	1
2,4'-DDT	<0.099		0.099		ug/L		01/26/26 07:48	01/27/26 10:38	1
2,4-Dinitrotoluene	<0.099		0.099		ug/L		01/26/26 07:48	01/27/26 10:38	1
2,6-Dinitrotoluene	<0.099		0.099		ug/L		01/26/26 07:48	01/27/26 10:38	1
2-Methylnaphthalene	<0.099		0.099		ug/L		01/26/26 07:48	01/27/26 10:38	1
4,4'-DDD	<0.099		0.099		ug/L		01/26/26 07:48	01/27/26 10:38	1
4,4'-DDE	<0.099		0.099		ug/L		01/26/26 07:48	01/27/26 10:38	1
4,4'-DDT	<0.099		0.099		ug/L		01/26/26 07:48	01/27/26 10:38	1
Acenaphthene	<0.099		0.099		ug/L		01/26/26 07:48	01/27/26 10:38	1
Acenaphthylene	<0.099		0.099		ug/L		01/26/26 07:48	01/27/26 10:38	1
Acetochlor	<0.099		0.099		ug/L		01/26/26 07:48	01/27/26 10:38	1
Alachlor	<0.050		0.050		ug/L		01/26/26 07:48	01/27/26 10:38	1
alpha-BHC	<0.099		0.099		ug/L		01/26/26 07:48	01/27/26 10:38	1
alpha-Chlordane	<0.050		0.050		ug/L		01/26/26 07:48	01/27/26 10:38	1
Anthracene	<0.020		0.020		ug/L		01/26/26 07:48	01/27/26 10:38	1
Atrazine	<0.050		0.050		ug/L		01/26/26 07:48	01/27/26 10:38	1
Benz(a)anthracene	<0.050		0.050		ug/L		01/26/26 07:48	01/27/26 10:38	1
Benzo[a]pyrene	<0.020		0.020		ug/L		01/26/26 07:48	01/27/26 10:38	1
Benzo[b]fluoranthene	<0.020		0.020		ug/L		01/26/26 07:48	01/27/26 10:38	1
Benzo[g,h,i]perylene	<0.050		0.050		ug/L		01/26/26 07:48	01/27/26 10:38	1
Benzo[k]fluoranthene	<0.020		0.020		ug/L		01/26/26 07:48	01/27/26 10:38	1
beta-BHC	<0.099		0.099		ug/L		01/26/26 07:48	01/27/26 10:38	1
Bis(2-ethylhexyl) phthalate	<0.60		0.60		ug/L		01/26/26 07:48	01/27/26 10:38	1
Bromacil	<0.099		0.099		ug/L		01/26/26 07:48	01/27/26 10:38	1
Butachlor	<0.050		0.050		ug/L		01/26/26 07:48	01/27/26 10:38	1
Butylbenzylphthalate	<0.50		0.50		ug/L		01/26/26 07:48	01/27/26 10:38	1
Chlorobenzilate	<0.099		0.099		ug/L		01/26/26 07:48	01/27/26 10:38	1
Chloroneb	<0.099		0.099		ug/L		01/26/26 07:48	01/27/26 10:38	1
Chlorothalonil (Draconil, Bravo)	<0.099		0.099		ug/L		01/26/26 07:48	01/27/26 10:38	1
Chlorpyrifos	<0.050		0.050		ug/L		01/26/26 07:48	01/27/26 10:38	1
Chrysene	<0.020		0.020		ug/L		01/26/26 07:48	01/27/26 10:38	1
delta-BHC	<0.099		0.099		ug/L		01/26/26 07:48	01/27/26 10:38	1
Di(2-ethylhexyl)adipate	<0.60		0.60		ug/L		01/26/26 07:48	01/27/26 10:38	1
Dibenz(a,h)anthracene	<0.050		0.050		ug/L		01/26/26 07:48	01/27/26 10:38	1
Diclorvos (DDVP)	<0.050		0.050		ug/L		01/26/26 07:48	01/27/26 10:38	1
Dieldrin	<0.0099		0.0099		ug/L		01/26/26 07:48	01/27/26 10:38	1
Diethylphthalate	<0.50		0.50		ug/L		01/26/26 07:48	01/27/26 10:38	1
Dimethylphthalate	<0.50		0.50		ug/L		01/26/26 07:48	01/27/26 10:38	1
Di-n-butyl phthalate	<0.99		0.99		ug/L		01/26/26 07:48	01/27/26 10:38	1
Di-n-octyl phthalate	<0.099		0.099		ug/L		01/26/26 07:48	01/27/26 10:38	1
Endosulfan I (Alpha)	<0.099		0.099		ug/L		01/26/26 07:48	01/27/26 10:38	1
Endosulfan II (Beta)	<0.099		0.099		ug/L		01/26/26 07:48	01/27/26 10:38	1
Endosulfan sulfate	<0.099		0.099		ug/L		01/26/26 07:48	01/27/26 10:38	1
Endrin	<0.0099		0.0099		ug/L		01/26/26 07:48	01/27/26 10:38	1
Endrin aldehyde	<0.099		0.099		ug/L		01/26/26 07:48	01/27/26 10:38	1
EPTC	<0.099		0.099		ug/L		01/26/26 07:48	01/27/26 10:38	1

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

Lab Sample ID: MB 380-200931/21-A
Matrix: Water
Analysis Batch: 201255

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 200931

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	<0.099		0.099		ug/L		01/26/26 07:48	01/27/26 10:38	1
Fluorene	<0.050		0.050		ug/L		01/26/26 07:48	01/27/26 10:38	1
gamma-Chlordane	<0.050		0.050		ug/L		01/26/26 07:48	01/27/26 10:38	1
Heptachlor	<0.0099		0.0099		ug/L		01/26/26 07:48	01/27/26 10:38	1
Heptachlor epoxide (isomer B)	<0.0099		0.0099		ug/L		01/26/26 07:48	01/27/26 10:38	1
Hexachlorobenzene	<0.050		0.050		ug/L		01/26/26 07:48	01/27/26 10:38	1
Hexachlorocyclopentadiene	<0.050		0.050		ug/L		01/26/26 07:48	01/27/26 10:38	1
Indeno[1,2,3-cd]pyrene	<0.050		0.050		ug/L		01/26/26 07:48	01/27/26 10:38	1
Isophorone	<0.099		0.099		ug/L		01/26/26 07:48	01/27/26 10:38	1
Lindane	<0.0099		0.0099		ug/L		01/26/26 07:48	01/27/26 10:38	1
Malathion	<0.099		0.099		ug/L		01/26/26 07:48	01/27/26 10:38	1
Methoxychlor	<0.050		0.050		ug/L		01/26/26 07:48	01/27/26 10:38	1
Metolachlor	<0.050		0.050		ug/L		01/26/26 07:48	01/27/26 10:38	1
Molinate	<0.099		0.099		ug/L		01/26/26 07:48	01/27/26 10:38	1
Naphthalene	<0.099		0.099		ug/L		01/26/26 07:48	01/27/26 10:38	1
Parathion	<0.099		0.099		ug/L		01/26/26 07:48	01/27/26 10:38	1
Pendimethalin (Penoxaline)	<0.099		0.099		ug/L		01/26/26 07:48	01/27/26 10:38	1
Phenanthrene	<0.040		0.040		ug/L		01/26/26 07:48	01/27/26 10:38	1
Propachlor	<0.050		0.050		ug/L		01/26/26 07:48	01/27/26 10:38	1
Pyrene	<0.050		0.050		ug/L		01/26/26 07:48	01/27/26 10:38	1
Simazine	<0.050		0.050		ug/L		01/26/26 07:48	01/27/26 10:38	1
Terbacil	<0.099		0.099		ug/L		01/26/26 07:48	01/27/26 10:38	1
Terbuthylazine	<0.099		0.099		ug/L		01/26/26 07:48	01/27/26 10:38	1
Thiobencarb	<0.099		0.099		ug/L		01/26/26 07:48	01/27/26 10:38	1
Total Permethrin (mixed isomers)	<0.20		0.20		ug/L		01/26/26 07:48	01/27/26 10:38	1
trans-Nonachlor	<0.050		0.050		ug/L		01/26/26 07:48	01/27/26 10:38	1
Trifluralin	<0.099		0.099		ug/L		01/26/26 07:48	01/27/26 10:38	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Cyclopentene, 1,2,3,4,5-pentamethyl-	*0.820*	*T J N*	*ug/L*		*2.52*	*1000154-28-6*	*01/26/26 07:48*	*01/27/26 10:38*	*1*
Cyclotetrasiloxane, octamethyl-	*0.811*	*T J N*	*ug/L*		*2.70*	*556-67-2*	*01/26/26 07:48*	*01/27/26 10:38*	*1*
Undecane	*2.87*	*T J N*	*ug/L*		*3.10*	*1120-21-4*	*01/26/26 07:48*	*01/27/26 10:38*	*1*
Cyclopentasiloxane, decamethyl-	*0.988*	*T J N*	*ug/L*		*3.23*	*541-02-6*	*01/26/26 07:48*	*01/27/26 10:38*	*1*
Unknown	*0.933*	*T J*	*ug/L*		*3.85*	*N/A*	*01/26/26 07:48*	*01/27/26 10:38*	*1*
9-Octadecenamide, (Z)-	*0.852*	*T J N*	*ug/L*		*7.86*	*301-02-0*	*01/26/26 07:48*	*01/27/26 10:38*	*1*
Octadecane, 1-iodo-	*0.532*	*T J N*	*ug/L*		*14.96*	*629-93-6*	*01/26/26 07:48*	*01/27/26 10:38*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*97*		*70 - 130*	*01/26/26 07:48*	*01/27/26 10:38*	*1*
Perylene-d12	*87*		*70 - 130*	*01/26/26 07:48*	*01/27/26 10:38*	*1*
Triphenylphosphate	*105*		*70 - 130*	*01/26/26 07:48*	*01/27/26 10:38*	*1*

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

Lab Sample ID: LCS 380-200931/23-A
Matrix: Water
Analysis Batch: 201255

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 200931

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	1.98	1.91		ug/L		96	70 - 130
2,4'-DDD	1.98	2.19		ug/L		110	70 - 130
2,4'-DDE	1.98	2.24		ug/L		113	70 - 130
2,4'-DDT	1.98	2.04		ug/L		103	70 - 130
2,4-Dinitrotoluene	1.98	2.13		ug/L		107	70 - 130
2,6-Dinitrotoluene	1.98	2.00		ug/L		101	70 - 130
2-Methylnaphthalene	1.98	1.98		ug/L		100	70 - 130
4,4'-DDD	1.98	2.08		ug/L		105	70 - 130
4,4'-DDE	1.98	2.27		ug/L		115	70 - 130
4,4'-DDT	1.98	2.08		ug/L		105	70 - 130
Acenaphthene	1.98	2.04		ug/L		103	70 - 130
Acenaphthylene	1.98	2.16		ug/L		109	70 - 130
Acetochlor	1.98	2.22		ug/L		112	70 - 130
Alachlor	1.98	2.26		ug/L		114	70 - 130
alpha-BHC	1.98	2.09		ug/L		105	70 - 130
alpha-Chlordane	1.98	2.02		ug/L		102	70 - 130
Anthracene	1.98	1.95		ug/L		98	70 - 130
Atrazine	1.98	2.31		ug/L		116	70 - 130
Benz(a)anthracene	1.98	2.17		ug/L		109	70 - 130
Benzo[a]pyrene	1.98	2.32		ug/L		117	70 - 130
Benzo[b]fluoranthene	1.98	2.16		ug/L		109	70 - 130
Benzo[g,h,i]perylene	1.98	2.03		ug/L		103	70 - 130
Benzo[k]fluoranthene	1.98	2.09		ug/L		105	70 - 130
beta-BHC	1.98	2.09		ug/L		105	70 - 130
Bis(2-ethylhexyl) phthalate	1.98	2.22		ug/L		112	70 - 130
Bromacil	1.98	1.93		ug/L		97	70 - 130
Butachlor	1.98	2.19		ug/L		110	70 - 130
Butylbenzylphthalate	1.98	2.25		ug/L		113	70 - 130
Chlorobenzilate	1.98	2.13		ug/L		108	70 - 130
Chloroneb	1.98	2.12		ug/L		107	70 - 130
Chlorothalonil (Draconil, Bravo)	1.98	2.09		ug/L		105	70 - 130
Chlorpyrifos	1.98	2.22		ug/L		112	70 - 130
Chrysene	1.98	2.00		ug/L		101	70 - 130
delta-BHC	1.98	2.03		ug/L		102	70 - 130
Di(2-ethylhexyl)adipate	1.98	2.37		ug/L		120	70 - 130
Dibenz(a,h)anthracene	1.98	2.15		ug/L		109	70 - 130
Diclorvos (DDVP)	1.98	2.21		ug/L		111	70 - 130
Dieldrin	1.98	2.12		ug/L		107	70 - 130
Diethylphthalate	1.98	2.22		ug/L		112	70 - 130
Dimethylphthalate	1.98	2.17		ug/L		109	70 - 130
Di-n-butyl phthalate	3.97	4.48		ug/L		113	70 - 130
Di-n-octyl phthalate	1.98	2.23		ug/L		112	70 - 130
Endosulfan I (Alpha)	1.98	2.02		ug/L		102	70 - 130
Endosulfan II (Beta)	1.98	2.10		ug/L		106	70 - 130
Endosulfan sulfate	1.98	2.03		ug/L		102	70 - 130
Endrin	1.98	2.28		ug/L		115	70 - 130
Endrin aldehyde	1.98	1.88		ug/L		95	60 - 130
EPTC	1.98	2.14		ug/L		108	70 - 130

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

Lab Sample ID: LCS 380-200931/23-A
Matrix: Water
Analysis Batch: 201255

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 200931

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoranthene	1.98	2.15		ug/L		108	70 - 130
Fluorene	1.98	2.10		ug/L		106	70 - 130
gamma-Chlordane	1.98	2.02		ug/L		102	70 - 130
Heptachlor	1.98	2.22		ug/L		112	70 - 130
Heptachlor epoxide (isomer B)	1.98	2.12		ug/L		107	70 - 130
Hexachlorobenzene	1.98	2.02		ug/L		102	70 - 130
Hexachlorocyclopentadiene	1.98	2.01		ug/L		101	70 - 130
Indeno[1,2,3-cd]pyrene	1.98	2.13		ug/L		107	70 - 130
Isophorone	1.98	2.05		ug/L		104	70 - 130
Lindane	1.98	2.12		ug/L		107	70 - 130
Malathion	1.98	2.12		ug/L		107	70 - 130
Methoxychlor	1.98	2.08		ug/L		105	70 - 130
Metolachlor	1.98	2.15		ug/L		108	70 - 130
Molinate	1.98	2.16		ug/L		109	70 - 130
Naphthalene	1.98	1.89		ug/L		95	70 - 130
Parathion	1.98	2.16		ug/L		109	70 - 130
Pendimethalin (Penoxaline)	1.98	2.04		ug/L		103	70 - 130
Phenanthrene	1.98	1.84		ug/L		93	70 - 130
Propachlor	1.98	2.28		ug/L		115	70 - 130
Pyrene	1.98	2.16		ug/L		109	70 - 130
Simazine	1.98	2.34		ug/L		118	70 - 130
Terbacil	1.98	2.01		ug/L		101	70 - 130
Terbuthylazine	1.98	2.41		ug/L		121	70 - 130
Thiobencarb	1.98	2.29		ug/L		115	70 - 130
trans-Nonachlor	1.98	2.00		ug/L		101	70 - 130
Trifluralin	1.98	2.04		ug/L		103	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Nitro-m-xylene	*98*		*70 - 130*
Perylene-d12	*100*		*70 - 130*
Triphenylphosphate	*109*		*70 - 130*

Lab Sample ID: MRL 380-200931/22-A
Matrix: Water
Analysis Batch: 201255

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 200931

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	0.0990	0.110		ug/L		112	50 - 150
2,4'-DDD	0.0990	0.0902	J	ug/L		91	50 - 150
2,4'-DDE	0.0990	0.107		ug/L		108	50 - 150
2,4'-DDT	0.0990	0.109		ug/L		110	50 - 150
2,4-Dinitrotoluene	0.0990	0.110		ug/L		111	50 - 150
2,6-Dinitrotoluene	0.0990	0.139		ug/L		140	50 - 150
2-Methylnaphthalene	0.0990	0.106		ug/L		107	50 - 150
4,4'-DDD	0.0990	0.114		ug/L		116	50 - 150
4,4'-DDE	0.0990	0.0994		ug/L		100	50 - 150
4,4'-DDT	0.0990	0.116		ug/L		117	50 - 150
Acenaphthene	0.0990	0.0903	J	ug/L		91	50 - 150

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

Lab Sample ID: MRL 380-200931/22-A
Matrix: Water
Analysis Batch: 201255

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 200931

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthylene	0.0990	0.0995		ug/L		101	50 - 150
Acetochlor	0.0990	0.115		ug/L		116	50 - 150
Alachlor	0.0495	0.0540		ug/L		109	50 - 150
alpha-BHC	0.0990	0.106		ug/L		107	50 - 150
alpha-Chlordane	0.0248	<0.029		ug/L		108	50 - 150
Anthracene	0.0198	0.0227		ug/L		115	50 - 150
Atrazine	0.0495	0.0519		ug/L		105	50 - 150
Benz(a)anthracene	0.0495	0.0525		ug/L		106	50 - 150
Benzo[a]pyrene	0.0198	0.0253		ug/L		128	50 - 150
Benzo[b]fluoranthene	0.0198	0.0250		ug/L		126	50 - 150
Benzo[g,h,i]perylene	0.0495	0.0519		ug/L		105	50 - 150
Benzo[k]fluoranthene	0.0198	0.0254		ug/L		128	50 - 150
beta-BHC	0.0990	0.114		ug/L		115	50 - 150
Bis(2-ethylhexyl) phthalate	0.594	0.667		ug/L		112	50 - 150
Bromacil	0.0990	0.115		ug/L		116	50 - 150
Butachlor	0.0495	0.0666		ug/L		135	50 - 150
Butylbenzylphthalate	0.495	0.589		ug/L		119	50 - 150
Chlorobenzilate	0.0990	0.113		ug/L		114	50 - 150
Chloroneb	0.0990	0.113		ug/L		114	50 - 150
Chlorothalonil (Draconil, Bravo)	0.0990	0.102		ug/L		103	50 - 150
Chlorpyrifos	0.0495	0.0588		ug/L		119	50 - 150
Chrysene	0.0198	0.0220		ug/L		111	50 - 150
delta-BHC	0.0990	0.0962	J	ug/L		97	50 - 150
Di(2-ethylhexyl)adipate	0.594	0.703		ug/L		118	50 - 150
Dibenz(a,h)anthracene	0.0495	0.0485	J	ug/L		98	50 - 150
Diclorvos (DDVP)	0.0495	0.0580		ug/L		117	50 - 150
Dieldrin	0.00990	0.0111		ug/L		112	50 - 150
Diethylphthalate	0.495	0.539		ug/L		109	50 - 150
Dimethylphthalate	0.495	0.533		ug/L		108	50 - 150
Di-n-butyl phthalate	0.495	0.607	J	ug/L		123	49 - 243
Di-n-octyl phthalate	0.0990	0.115		ug/L		117	50 - 150
Endosulfan I (Alpha)	0.0990	0.0912	J	ug/L		92	50 - 150
Endosulfan II (Beta)	0.0990	0.0979	J	ug/L		99	50 - 150
Endosulfan sulfate	0.0990	0.115		ug/L		116	50 - 150
Endrin	0.00990	0.00953	J	ug/L		96	50 - 150
Endrin aldehyde	0.0990	0.111		ug/L		112	50 - 150
EPTC	0.0990	0.102		ug/L		103	50 - 150
Fluoranthene	0.0990	0.0993		ug/L		100	50 - 150
Fluorene	0.0495	0.0514		ug/L		104	50 - 150
gamma-Chlordane	0.0248	0.0262	J	ug/L		106	50 - 150
Heptachlor	0.00990	0.0103		ug/L		104	50 - 150
Heptachlor epoxide (isomer B)	0.00990	0.0115		ug/L		116	50 - 150
Hexachlorobenzene	0.0495	0.0490	J	ug/L		99	50 - 150
Hexachlorocyclopentadiene	0.0495	0.0551		ug/L		111	50 - 150
Indeno[1,2,3-cd]pyrene	0.0495	0.0561		ug/L		113	50 - 150
Isophorone	0.0990	0.118		ug/L		120	50 - 150
Lindane	0.00990	0.0114		ug/L		116	50 - 150
Malathion	0.0990	0.113		ug/L		114	50 - 150
Methoxychlor	0.0495	0.0705		ug/L		142	50 - 150

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

Lab Sample ID: MRL 380-200931/22-A
Matrix: Water
Analysis Batch: 201255

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 200931

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Metolachlor	0.0495	0.0609		ug/L		123	50 - 150
Molinate	0.0990	0.110		ug/L		111	50 - 150
Naphthalene	0.0990	0.122		ug/L		123	50 - 150
Parathion	0.0990	0.106		ug/L		107	50 - 150
Pendimethalin (Penoxaline)	0.0990	0.108		ug/L		109	50 - 150
Phenanthrene	0.0396	0.0401		ug/L		101	50 - 150
Propachlor	0.0495	0.0571		ug/L		115	50 - 150
Pyrene	0.0495	0.0506		ug/L		102	50 - 150
Simazine	0.0495	0.0471	J	ug/L		95	50 - 150
Terbacil	0.0990	0.107		ug/L		108	50 - 150
Terbuthylazine	0.0990	0.112		ug/L		113	50 - 150
Thiobencarb	0.0990	0.113		ug/L		114	50 - 150
trans-Nonachlor	0.0248	0.0302	J	ug/L		122	50 - 150
Trifluralin	0.0990	0.111		ug/L		112	50 - 150

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
2-Nitro-m-xylene	*97*		*70 - 130*
Perylene-d12	*91*		*70 - 130*
Triphenylphosphate	*104*		*70 - 130*

Lab Sample ID: 380-193902-1 MS
Matrix: Water
Analysis Batch: 201255

Client Sample ID: Ka'amilo Wells P2
Prep Type: Total/NA
Prep Batch: 200931

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.096		1.93	1.84		ug/L		95	70 - 130
2,4'-DDD	<0.096		1.93	2.07		ug/L		107	70 - 130
2,4'-DDE	<0.096		1.93	2.12		ug/L		110	70 - 130
2,4'-DDT	<0.096		1.93	1.92		ug/L		100	70 - 130
2,4-Dinitrotoluene	<0.096		1.93	2.12		ug/L		110	70 - 130
2,6-Dinitrotoluene	<0.096		1.93	2.00		ug/L		103	70 - 130
2-Methylnaphthalene	<0.096		1.93	1.89		ug/L		98	70 - 130
4,4'-DDD	<0.096		1.93	1.97		ug/L		102	70 - 130
4,4'-DDE	<0.096		1.93	2.09		ug/L		108	70 - 130
4,4'-DDT	<0.096		1.93	1.95		ug/L		101	70 - 130
Acenaphthene	<0.096		1.93	1.96		ug/L		102	70 - 130
Acenaphthylene	<0.096		1.93	2.08		ug/L		108	70 - 130
Acetochlor	<0.096		1.93	2.12		ug/L		110	70 - 130
Alachlor	<0.048		1.93	2.14		ug/L		111	70 - 130
alpha-BHC	<0.096		1.93	1.98		ug/L		102	70 - 130
alpha-Chlordane	<0.048		1.93	1.95		ug/L		100	70 - 130
Anthracene	<0.019		1.93	1.89		ug/L		98	70 - 130
Atrazine	<0.048		1.93	2.25		ug/L		116	70 - 130
Benz(a)anthracene	<0.048		1.93	2.02		ug/L		105	70 - 130
Benzo[a]pyrene	<0.019		1.93	2.22		ug/L		115	70 - 130
Benzo[b]fluoranthene	<0.019		1.93	2.13		ug/L		110	70 - 130
Benzo[g,h,i]perylene	<0.048		1.93	1.90		ug/L		98	70 - 130
Benzo[k]fluoranthene	<0.019		1.93	1.96		ug/L		102	70 - 130

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

Lab Sample ID: 380-193902-1 MS
Matrix: Water
Analysis Batch: 201255

Client Sample ID: Ka'amilo Wells P2
Prep Type: Total/NA
Prep Batch: 200931

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
beta-BHC	<0.096		1.93	1.98		ug/L		103	70 - 130
Bis(2-ethylhexyl) phthalate	<0.58		1.93	2.02		ug/L		105	70 - 130
Bromacil	<0.096		1.93	1.90		ug/L		96	70 - 130
Butachlor	<0.048		1.93	2.06		ug/L		107	70 - 130
Butylbenzylphthalate	<0.48		1.93	2.17		ug/L		113	70 - 130
Chlorobenzilate	<0.096		1.93	2.02		ug/L		105	70 - 130
Chloroneb	<0.096		1.93	2.01		ug/L		104	70 - 130
Chlorothalonil (Draconil, Bravo)	<0.096		1.93	1.98		ug/L		103	70 - 130
Chlorpyrifos	<0.048		1.93	2.12		ug/L		110	70 - 130
Chrysene	<0.019		1.93	1.94		ug/L		100	70 - 130
delta-BHC	<0.096		1.93	1.90		ug/L		99	70 - 130
Di(2-ethylhexyl)adipate	<0.58		1.93	2.15		ug/L		111	70 - 130
Dibenz(a,h)anthracene	<0.048		1.93	2.03		ug/L		105	70 - 130
Diclorvos (DDVP)	<0.048		1.93	2.14		ug/L		111	70 - 130
Dieldrin	0.076		1.93	2.09		ug/L		104	70 - 130
Diethylphthalate	<0.48		1.93	2.09		ug/L		108	70 - 130
Dimethylphthalate	<0.48		1.93	2.06		ug/L		107	70 - 130
Di-n-butyl phthalate	<0.96		3.86	4.27		ug/L		111	70 - 130
Di-n-octyl phthalate	<0.096		1.93	1.96		ug/L		101	70 - 130
Endosulfan I (Alpha)	<0.096		1.93	1.93		ug/L		100	70 - 130
Endosulfan II (Beta)	<0.096		1.93	1.98		ug/L		103	70 - 130
Endosulfan sulfate	<0.096		1.93	1.90		ug/L		99	70 - 130
Endrin	<0.0096		1.93	2.14		ug/L		111	70 - 130
Endrin aldehyde	<0.096		1.93	1.80		ug/L		93	60 - 130
EPTC	<0.096		1.93	2.04		ug/L		106	70 - 130
Fluoranthene	<0.096		1.93	2.09		ug/L		108	70 - 130
Fluorene	<0.048		1.93	2.03		ug/L		105	70 - 130
gamma-Chlordane	<0.048		1.93	1.94		ug/L		100	70 - 130
Heptachlor	<0.0096		1.93	2.13		ug/L		110	70 - 130
Heptachlor epoxide (isomer B)	0.012		1.93	2.00		ug/L		103	70 - 130
Hexachlorobenzene	<0.048		1.93	1.96		ug/L		102	70 - 130
Hexachlorocyclopentadiene	<0.048		1.93	1.95		ug/L		101	70 - 130
Indeno[1,2,3-cd]pyrene	<0.048		1.93	2.01		ug/L		104	70 - 130
Isophorone	<0.096		1.93	1.94		ug/L		100	70 - 130
Lindane	<0.0096		1.93	2.06		ug/L		107	70 - 130
Malathion	<0.096		1.93	2.02		ug/L		105	70 - 130
Methoxychlor	<0.048		1.93	2.03		ug/L		105	70 - 130
Metolachlor	<0.048		1.93	2.01		ug/L		104	70 - 130
Molinate	<0.096		1.93	2.09		ug/L		108	70 - 130
Naphthalene	<0.096		1.93	1.82		ug/L		94	70 - 130
Parathion	<0.096		1.93	2.07		ug/L		107	70 - 130
Pendimethalin (Penoxaline)	<0.096		1.93	1.92		ug/L		100	70 - 130
Phenanthrene	<0.038		1.93	1.79		ug/L		93	70 - 130
Propachlor	<0.048		1.93	2.15		ug/L		112	70 - 130
Pyrene	<0.048		1.93	2.09		ug/L		108	70 - 130
Simazine	<0.048		1.93	2.22		ug/L		115	70 - 130
Terbacil	<0.096		1.93	1.90		ug/L		98	70 - 130
Terbuthylazine	<0.096		1.93	2.27		ug/L		118	70 - 130
Thiobencarb	<0.096		1.93	2.17		ug/L		113	70 - 130

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

Lab Sample ID: 380-193902-1 MS
Matrix: Water
Analysis Batch: 201255

Client Sample ID: Ka'amilo Wells P2
Prep Type: Total/NA
Prep Batch: 200931

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
trans-Nonachlor	<0.048		1.93	1.93		ug/L		99	70 - 130
Trifluralin	<0.096		1.93	1.98		ug/L		103	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Nitro-m-xylene	*96*		*70 - 130*
Perylene-d12	*99*		*70 - 130*
Triphenylphosphate	*105*		*70 - 130*

Lab Sample ID: 380-193911-B-1-A DU
Matrix: Water
Analysis Batch: 201255

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 200931

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
1-Methylnaphthalene	<0.096		<0.097		ug/L		NC	20
2,4'-DDD	<0.096		<0.097		ug/L		NC	20
2,4'-DDE	<0.096		<0.097		ug/L		NC	20
2,4'-DDT	<0.096		<0.097		ug/L		NC	20
2,4-Dinitrotoluene	<0.096		<0.097		ug/L		NC	20
2,6-Dinitrotoluene	<0.096		<0.097		ug/L		NC	20
2-Methylnaphthalene	<0.096		<0.097		ug/L		NC	20
4,4'-DDD	<0.096		<0.097		ug/L		NC	20
4,4'-DDE	<0.096		<0.097		ug/L		NC	20
4,4'-DDT	<0.096		<0.097		ug/L		NC	20
Acenaphthene	<0.096		<0.097		ug/L		NC	20
Acenaphthylene	<0.096		<0.097		ug/L		NC	20
Acetochlor	<0.096		<0.097		ug/L		NC	20
Alachlor	<0.048		<0.048		ug/L		NC	20
alpha-BHC	<0.096		<0.097		ug/L		NC	20
alpha-Chlordane	<0.048		<0.048		ug/L		NC	20
Anthracene	<0.019		<0.019		ug/L		NC	20
Atrazine	<0.048		<0.048		ug/L		NC	20
Benz(a)anthracene	<0.048		<0.048		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		<0.048		ug/L		NC	20
Benzo[k]fluoranthene	<0.019		<0.019		ug/L		NC	20
beta-BHC	<0.096		<0.097		ug/L		NC	20
Bis(2-ethylhexyl) phthalate	<0.58		<0.58		ug/L		NC	20
Bromacil	<0.096		<0.097		ug/L		NC	20
Butachlor	<0.048		<0.048		ug/L		NC	20
Butylbenzylphthalate	<0.48		<0.48		ug/L		NC	20
Chlorobenzilate	<0.096		<0.097		ug/L		NC	20
Chloroneb	<0.096		<0.097		ug/L		NC	20
Chlorothalonil (Draconil, Bravo)	<0.096		<0.097		ug/L		NC	20
Chlorpyrifos	<0.048		<0.048		ug/L		NC	20
Chrysene	<0.019		<0.019		ug/L		NC	20
delta-BHC	<0.096		<0.097		ug/L		NC	20
Di(2-ethylhexyl)adipate	<0.58		<0.58		ug/L		NC	20

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

Lab Sample ID: 380-193911-B-1-A DU
Matrix: Water
Analysis Batch: 201255

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 200931

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Dibenz(a,h)anthracene	<0.048			<0.048		ug/L				NC	20
Diclorvos (DDVP)	<0.048			<0.048		ug/L				NC	20
Dieldrin	0.079			0.0811		ug/L				3	20
Diethylphthalate	<0.48			<0.48		ug/L				NC	20
Dimethylphthalate	<0.48			<0.48		ug/L				NC	20
Di-n-butyl phthalate	<0.96			<0.97		ug/L				NC	20
Di-n-octyl phthalate	<0.096			<0.097		ug/L				NC	20
Endosulfan I (Alpha)	<0.096			<0.097		ug/L				NC	20
Endosulfan II (Beta)	<0.096			<0.097		ug/L				NC	20
Endosulfan sulfate	<0.096			<0.097		ug/L				NC	20
Endrin	<0.0096			<0.0097		ug/L				NC	20
Endrin aldehyde	<0.096			<0.097		ug/L				NC	20
EPTC	<0.096			<0.097		ug/L				NC	20
Fluoranthene	<0.096			<0.097		ug/L				NC	20
Fluorene	<0.048			<0.048		ug/L				NC	20
gamma-Chlordane	<0.048			<0.048		ug/L				NC	20
Heptachlor	<0.0096			<0.0097		ug/L				NC	20
Heptachlor epoxide (isomer B)	0.012			0.0130		ug/L				7	20
Hexachlorobenzene	<0.048			<0.048		ug/L				NC	20
Hexachlorocyclopentadiene	<0.048			<0.048		ug/L				NC	20
Indeno[1,2,3-cd]pyrene	<0.048			<0.048		ug/L				NC	20
Isophorone	<0.096			<0.097		ug/L				NC	20
Lindane	<0.0096			<0.0097		ug/L				NC	20
Malathion	<0.096			<0.097		ug/L				NC	20
Methoxychlor	<0.048			<0.048		ug/L				NC	20
Metolachlor	<0.048			<0.048		ug/L				NC	20
Molinate	<0.096			<0.097		ug/L				NC	20
Naphthalene	<0.096			<0.097		ug/L				NC	20
Parathion	<0.096			<0.097		ug/L				NC	20
Pendimethalin (Penoxaline)	<0.096			<0.097		ug/L				NC	20
Phenanthrene	<0.038			<0.039		ug/L				NC	20
Propachlor	<0.048			<0.048		ug/L				NC	20
Pyrene	<0.048			<0.048		ug/L				NC	20
Simazine	<0.048			<0.048		ug/L				NC	20
Terbacil	<0.096			<0.097		ug/L				NC	20
Terbuthylazine	<0.096			<0.097		ug/L				NC	20
Thiobencarb	<0.096			<0.097		ug/L				NC	20
Total Permethrin (mixed isomers)	<0.19			<0.19		ug/L				NC	20
trans-Nonachlor	<0.048			<0.048		ug/L				NC	20
Trifluralin	<0.096			<0.097		ug/L				NC	20

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
2-Nitro-m-xylene	*96*		*70 - 130*
Perylene-d12	*89*		*70 - 130*
Triphenylphosphate	*105*		*70 - 130*

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

Lab Sample ID: MB 570-686409/1-A
Matrix: Water
Analysis Batch: 691586

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 686409

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	01/23/26 19:03	02/04/26 22:10	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	98		33 - 139	01/23/26 19:03	02/04/26 22:10	1
2-Fluorobiphenyl (Surr)	95		33 - 126	01/23/26 19:03	02/04/26 22:10	1
2-Fluorophenol (Surr)	73		12 - 120	01/23/26 19:03	02/04/26 22:10	1
Nitrobenzene-d5 (Surr)	86		36 - 120	01/23/26 19:03	02/04/26 22:10	1
Phenol-d6 (Surr)	37		10 - 120	01/23/26 19:03	02/04/26 22:10	1
p-Terphenyl-d14 (Surr)	102		47 - 131	01/23/26 19:03	02/04/26 22:10	1

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

Lab Sample ID: MB 570-686409/1-A
Matrix: Water
Analysis Batch: 689715

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 686409

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.20		0.20		ug/L		01/23/26 19:03	02/01/26 13:51	1
2-Methylnaphthalene	<0.20		0.20		ug/L		01/23/26 19:03	02/01/26 13:51	1
Acenaphthene	<0.20		0.20		ug/L		01/23/26 19:03	02/01/26 13:51	1
Acenaphthylene	<0.20		0.20		ug/L		01/23/26 19:03	02/01/26 13:51	1
Anthracene	<0.20		0.20		ug/L		01/23/26 19:03	02/01/26 13:51	1
Benzo[a]anthracene	<0.20		0.20		ug/L		01/23/26 19:03	02/01/26 13:51	1
Benzo[a]pyrene	<0.20		0.20		ug/L		01/23/26 19:03	02/01/26 13:51	1
Benzo[b]fluoranthene	<0.20		0.20		ug/L		01/23/26 19:03	02/01/26 13:51	1
Benzo[g,h,i]perylene	<0.20		0.20		ug/L		01/23/26 19:03	02/01/26 13:51	1
Benzo[k]fluoranthene	<0.20		0.20		ug/L		01/23/26 19:03	02/01/26 13:51	1
Chrysene	<0.20		0.20		ug/L		01/23/26 19:03	02/01/26 13:51	1
Dibenz(a,h)anthracene	<0.20		0.20		ug/L		01/23/26 19:03	02/01/26 13:51	1
Fluoranthene	<0.20		0.20		ug/L		01/23/26 19:03	02/01/26 13:51	1
Fluorene	<0.20		0.20		ug/L		01/23/26 19:03	02/01/26 13:51	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20		ug/L		01/23/26 19:03	02/01/26 13:51	1
Naphthalene	<0.20		0.20		ug/L		01/23/26 19:03	02/01/26 13:51	1
Phenanthrene	<0.20		0.20		ug/L		01/23/26 19:03	02/01/26 13:51	1
Pyrene	<0.20		0.20		ug/L		01/23/26 19:03	02/01/26 13:51	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	97		28 - 127	01/23/26 19:03	02/01/26 13:51	1
2-Fluorobiphenyl (Surr)	87		31 - 120	01/23/26 19:03	02/01/26 13:51	1
2-Fluorophenol (Surr)	59		17 - 120	01/23/26 19:03	02/01/26 13:51	1
Nitrobenzene-d5 (Surr)	89		27 - 120	01/23/26 19:03	02/01/26 13:51	1
Phenol-d6 (Surr)	37		10 - 120	01/23/26 19:03	02/01/26 13:51	1
p-Terphenyl-d14 (Surr)	82		45 - 120	01/23/26 19:03	02/01/26 13:51	1

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

Lab Sample ID: LCS 570-686409/2-A
Matrix: Water
Analysis Batch: 689715

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 686409

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1-Methylnaphthalene			20.0	21.2		ug/L		106	47 - 120		
2-Methylnaphthalene			20.0	20.4		ug/L		102	43 - 120		
Acenaphthene			20.0	20.2		ug/L		101	60 - 132		
Acenaphthylene			20.0	19.6		ug/L		98	54 - 126		
Anthracene			20.0	20.5		ug/L		102	43 - 120		
Benzo[a]anthracene			20.0	21.6		ug/L		108	42 - 133		
Benzo[a]pyrene			20.0	21.1		ug/L		105	32 - 148		
Benzo[b]fluoranthene			20.0	21.4		ug/L		107	42 - 140		
Benzo[g,h,i]perylene			20.0	20.4		ug/L		102	1 - 195		
Benzo[k]fluoranthene			20.0	20.6		ug/L		103	25 - 146		
Chrysene			20.0	21.2		ug/L		106	44 - 140		
Dibenz(a,h)anthracene			20.0	21.5		ug/L		107	1 - 200		
Fluoranthene			20.0	20.8		ug/L		104	43 - 121		
Fluorene			20.0	19.6		ug/L		98	70 - 120		
Indeno[1,2,3-cd]pyrene			20.0	21.7		ug/L		108	1 - 151		
Naphthalene			20.0	20.7		ug/L		103	36 - 120		
Phenanthrene			20.0	21.0		ug/L		105	65 - 120		
Pyrene			20.0	22.7		ug/L		113	70 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*105*		*28 - 127*
2-Fluorobiphenyl (Surr)	*88*		*31 - 120*
2-Fluorophenol (Surr)	*69*		*17 - 120*
Nitrobenzene-d5 (Surr)	*96*		*27 - 120*
Phenol-d6 (Surr)	*44*		*10 - 120*
p-Terphenyl-d14 (Surr)	*99*		*45 - 120*

Lab Sample ID: LCSD 570-686409/3-A
Matrix: Water
Analysis Batch: 689715

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 686409

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene			20.0	18.8		ug/L		94	47 - 120	12	20
2-Methylnaphthalene			20.0	18.3		ug/L		91	43 - 120	11	20
Acenaphthene			20.0	18.4		ug/L		92	60 - 132	9	29
Acenaphthylene			20.0	17.8		ug/L		89	54 - 126	10	45
Anthracene			20.0	19.5		ug/L		97	43 - 120	5	40
Benzo[a]anthracene			20.0	20.2		ug/L		101	42 - 133	7	32
Benzo[a]pyrene			20.0	20.0		ug/L		100	32 - 148	5	43
Benzo[b]fluoranthene			20.0	19.7		ug/L		99	42 - 140	8	43
Benzo[g,h,i]perylene			20.0	19.1		ug/L		96	1 - 195	7	61
Benzo[k]fluoranthene			20.0	19.5		ug/L		97	25 - 146	6	38
Chrysene			20.0	19.9		ug/L		100	44 - 140	6	53
Dibenz(a,h)anthracene			20.0	20.4		ug/L		102	1 - 200	5	75
Fluoranthene			20.0	20.4		ug/L		102	43 - 121	2	40
Fluorene			20.0	18.5		ug/L		93	70 - 120	6	23
Indeno[1,2,3-cd]pyrene			20.0	20.2		ug/L		101	1 - 151	7	60
Naphthalene			20.0	17.7		ug/L		89	36 - 120	15	39

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

Lab Sample ID: LCSD 570-686409/3-A
Matrix: Water
Analysis Batch: 689715

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 686409

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phenanthrene			20.0	19.6		ug/L		98	65 - 120	7	24
Pyrene			20.0	20.8		ug/L		104	70 - 120	9	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*95*		*28 - 127*
2-Fluorobiphenyl (Surr)	*80*		*31 - 120*
2-Fluorophenol (Surr)	*58*		*17 120*
Nitrobenzene-d5 (Surr)	*82*		*27 - 120*
Phenol-d6 (Surr)	*38*		*10 - 120*
p-Terphenyl-d14 (Surr)	*91*		*45 - 120*

Lab Sample ID: 570-264273-D-1-A MS
Matrix: Water
Analysis Batch: 690589

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 686409

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.20		20.0	21.8		ug/L		109	36 - 120
2-Methylnaphthalene	<0.20		20.0	21.5		ug/L		107	32 - 124
Acenaphthene	<0.20		20.0	19.8		ug/L		99	47 - 145
Acenaphthylene	<0.20		20.0	20.2		ug/L		101	33 - 145
Anthracene	<0.20		20.0	21.0		ug/L		105	27 - 133
Benzo[a]anthracene	<0.20		20.0	22.0		ug/L		110	33 - 143
Benzo[a]pyrene	0.20		20.0	20.3		ug/L		101	17 - 163
Benzo[b]fluoranthene	<0.20		20.0	21.1		ug/L		105	24 - 159
Benzo[g,h,i]perylene	0.34		20.0	19.2		ug/L		95	1 - 219
Benzo[k]fluoranthene	<0.20		20.0	20.3		ug/L		101	11 - 162
Chrysene	<0.20		20.0	20.4		ug/L		102	17 - 168
Dibenz(a,h)anthracene	0.28		20.0	20.6		ug/L		102	1 - 227
Fluoranthene	<0.20		20.0	22.0		ug/L		110	26 - 137
Fluorene	<0.20		20.0	20.3		ug/L		102	59 - 121
Indeno[1,2,3-cd]pyrene	0.36		20.0	21.7		ug/L		107	1 - 171
Naphthalene	<0.20		20.0	19.7		ug/L		99	21 - 133
Phenanthrene	<0.20		20.0	20.4		ug/L		102	54 - 120
Pyrene	<0.20		20.0	21.3		ug/L		107	52 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*102*		*28 - 127*
2-Fluorobiphenyl (Surr)	*91*		*31 - 120*
2-Fluorophenol (Surr)	*68*		*17 - 120*
Nitrobenzene-d5 (Surr)	*101*		*27 - 120*
Phenol-d6 (Surr)	*44*		*10 - 120*
p-Terphenyl-d14 (Surr)	*93*		*45 - 120*

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

Lab Sample ID: 570-264273-F-1-A MSD
Matrix: Water
Analysis Batch: 690589

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 686409

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	<0.20		19.9	18.6		ug/L		94	36 - 120	15	30
2-Methylnaphthalene	<0.20		19.9	18.8		ug/L		94	32 - 124	13	30
Acenaphthene	<0.20		19.9	16.9		ug/L		85	47 - 145	16	48
Acenaphthylene	<0.20		19.9	16.9		ug/L		85	33 - 145	18	74
Anthracene	<0.20		19.9	17.5		ug/L		88	27 - 133	18	66
Benzo[a]anthracene	<0.20		19.9	18.0		ug/L		91	33 - 143	20	53
Benzo[a]pyrene	0.20		19.9	15.4		ug/L		76	17 - 163	28	72
Benzo[b]fluoranthene	<0.20		19.9	16.5		ug/L		82	24 - 159	24	71
Benzo[g,h,i]perylene	0.34		19.9	15.4		ug/L		76	1 - 219	22	97
Benzo[k]fluoranthene	<0.20		19.9	15.6		ug/L		78	11 - 162	26	63
Chrysene	<0.20		19.9	16.6		ug/L		83	17 - 168	21	87
Dibenz(a,h)anthracene	0.28		19.9	16.7		ug/L		83	1 - 227	21	126
Fluoranthene	<0.20		19.9	17.4		ug/L		87	26 - 137	24	66
Fluorene	<0.20		19.9	17.0		ug/L		86	59 - 121	18	38
Indeno[1,2,3-cd]pyrene	0.36		19.9	17.5		ug/L		86	1 - 171	22	99
Naphthalene	<0.20		19.9	17.5		ug/L		88	21 - 133	12	65
Phenanthrene	<0.20		19.9	16.9		ug/L		85	54 - 120	19	39
Pyrene	<0.20		19.9	18.1		ug/L		91	52 - 120	16	49

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*85*		*28 - 127*
2-Fluorobiphenyl (Surr)	*77*		*31 - 120*
2-Fluorophenol (Surr)	*60*		*17 - 120*
Nitrobenzene-d5 (Surr)	*85*		*27 - 120*
Phenol-d6 (Surr)	*39*		*10 - 120*
p-Terphenyl-d14 (Surr)	*79*		*45 - 120*

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

Lab Sample ID: MB 570-687650/5
Matrix: Water
Analysis Batch: 687650

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			01/27/26 14:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*38 - 134*		*01/27/26 14:47*	*1*

Lab Sample ID: LCS 570-687650/3
Matrix: Water
Analysis Batch: 687650

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	413		ug/L		103	78 - 120		

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

Lab Sample ID: LCS 570-687650/3
Matrix: Water
Analysis Batch: 687650

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

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*86*		*38 - 134*

Lab Sample ID: LCSD 570-687650/4
Matrix: Water
Analysis Batch: 687650

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	432		ug/L		108	78 - 120	4	10

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

Lab Sample ID: MRL 570-687650/6
Matrix: Water
Analysis Batch: 687650

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	<7.9		ug/L		68	50 - 150		

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*86*		*38 - 134*

Lab Sample ID: 380-193582-X-1 MS
Matrix: Water
Analysis Batch: 687650

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	383		ug/L		96	68 - 122		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*38 - 134*

Lab Sample ID: 380-193582-Y-1 MSD
Matrix: Water
Analysis Batch: 687650

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	407		ug/L		102	68 - 122	6	18

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*38 - 134*

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

Lab Sample ID: MB 570-686737/1-A
Matrix: Water
Analysis Batch: 688261

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 686737

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<25		25		ug/L		01/25/26 10:37	01/28/26 15:05	1
Motor Oil Range Organics [C24-C36]	<25		25		ug/L		01/25/26 10:37	01/28/26 15:05	1
C8-C18	<25		25		ug/L		01/25/26 10:37	01/28/26 15:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*117*		*60 - 130*	*01/25/26 10:37*	*01/28/26 15:05*	*1*

Lab Sample ID: LCS 570-686737/2-A
Matrix: Water
Analysis Batch: 688261

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 686737

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28			1600	1030		ug/L		64	56 - 127		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane (Surr)	*92*		*60 - 130*

Lab Sample ID: LCSD 570-686737/3-A
Matrix: Water
Analysis Batch: 688261

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 686737

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28			1600	1120		ug/L		70	56 - 127	8	23

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
n-Octacosane (Surr)	*102*		*60 - 130*

Lab Sample ID: MRL 570-686737/4-A
Matrix: Water
Analysis Batch: 688261

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 686737

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28			0.0200	0.0281		mg/L		141	50 - 150		

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
n-Octacosane (Surr)	*121*		*60 - 130*

Lab Sample ID: 380-194233-C-1-A MS
Matrix: Water
Analysis Batch: 688261

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 686737

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28	<26		1630	1430		ug/L		88	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
n-Octacosane (Surr)	*120*		*60 - 130*

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

Lab Sample ID: 380-194233-D-1-A MSD
Matrix: Water
Analysis Batch: 688261

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 686737

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28	<26		1630	1370		ug/L		84	70 - 130	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
n-Octacosane (Surr)	*115*		*60 - 130*

QC Association Summary

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

Job ID: 380-193902-1
SDG: Weekly: Ka'amilo Wells P2

GC/MS Semi VOA

Prep Batch: 200931

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193902-1	Ka'amilo Wells P2	Total/NA	Water	525.2	
MB 380-200931/21-A	Method Blank	Total/NA	Water	525.2	
LCS 380-200931/23-A	Lab Control Sample	Total/NA	Water	525.2	
MRL 380-200931/22-A	Lab Control Sample	Total/NA	Water	525.2	
380-193902-1 MS	Ka'amilo Wells P2	Total/NA	Water	525.2	
380-193911-B-1-A DU	Duplicate	Total/NA	Water	525.2	

Analysis Batch: 201255

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193902-1	Ka'amilo Wells P2	Total/NA	Water	525.2	200931
MB 380-200931/21-A	Method Blank	Total/NA	Water	525.2	200931
LCS 380-200931/23-A	Lab Control Sample	Total/NA	Water	525.2	200931
MRL 380-200931/22-A	Lab Control Sample	Total/NA	Water	525.2	200931
380-193902-1 MS	Ka'amilo Wells P2	Total/NA	Water	525.2	200931
380-193911-B-1-A DU	Duplicate	Total/NA	Water	525.2	200931

Prep Batch: 686409

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193902-1	Ka'amilo Wells P2	Total/NA	Water	625.1	
MB 570-686409/1-A	Method Blank	Total/NA	Water	625.1	
LCS 570-686409/2-A	Lab Control Sample	Total/NA	Water	625.1	
LCSD 570-686409/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	
570-264273-D-1-A MS	Matrix Spike	Total/NA	Water	625.1	
570-264273-F-1-A MSD	Matrix Spike Duplicate	Total/NA	Water	625.1	

Analysis Batch: 689715

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-686409/1-A	Method Blank	Total/NA	Water	625.1 SIM	686409
LCS 570-686409/2-A	Lab Control Sample	Total/NA	Water	625.1 SIM	686409
LCSD 570-686409/3-A	Lab Control Sample Dup	Total/NA	Water	625.1 SIM	686409

Analysis Batch: 690589

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193902-1	Ka'amilo Wells P2	Total/NA	Water	625.1 SIM	686409
570-264273-D-1-A MS	Matrix Spike	Total/NA	Water	625.1 SIM	686409
570-264273-F-1-A MSD	Matrix Spike Duplicate	Total/NA	Water	625.1 SIM	686409

Analysis Batch: 691224

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193902-1	Ka'amilo Wells P2	Total/NA	Water	625.1	686409

Analysis Batch: 691586

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-686409/1-A	Method Blank	Total/NA	Water	625.1	686409

GC VOA

Analysis Batch: 687650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193902-1	Ka'amilo Wells P2	Total/NA	Water	8015B GRO LL	
380-193902-2	TB: Ka'amilo Wells P2	Total/NA	Water	8015B GRO LL	

GC VOA (Continued)

Analysis Batch: 687650 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-687650/5	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-687650/3	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-687650/4	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-687650/6	Lab Control Sample	Total/NA	Water	8015B GRO LL	
380-193582-X-1 MS	Matrix Spike	Total/NA	Water	8015B GRO LL	
380-193582-Y-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B GRO LL	

GC Semi VOA

Prep Batch: 686737

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193902-1	Ka'amilo Wells P2	Total/NA	Water	3510C	
MB 570-686737/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-686737/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-686737/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MRL 570-686737/4-A	Lab Control Sample	Total/NA	Water	3510C	
380-194233-C-1-A MS	Matrix Spike	Total/NA	Water	3510C	
380-194233-D-1-A MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	

Analysis Batch: 688261

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-193902-1	Ka'amilo Wells P2	Total/NA	Water	8015B	686737
MB 570-686737/1-A	Method Blank	Total/NA	Water	8015B	686737
LCS 570-686737/2-A	Lab Control Sample	Total/NA	Water	8015B	686737
LCSD 570-686737/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	686737
MRL 570-686737/4-A	Lab Control Sample	Total/NA	Water	8015B	686737
380-194233-C-1-A MS	Matrix Spike	Total/NA	Water	8015B	686737
380-194233-D-1-A MSD	Matrix Spike Duplicate	Total/NA	Water	8015B	686737

Lab Chronicle

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

Job ID: 380-193902-1
SDG: Weekly: Ka'amilo Wells P2

Client Sample ID: Ka'amilo Wells P2

Lab Sample ID: 380-193902-1

Date Collected: 01/20/26 12:00

Matrix: Water

Date Received: 01/22/26 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			200931	OTM3	EA POM	01/26/26 07:48
Total/NA	Analysis	525.2		1	201255	UPAC	EA POM	01/27/26 12:53
Total/NA	Prep	625.1			686409	S4EA	EET CAL 4	01/24/26 09:00
Total/NA	Analysis	625.1		1	691224	PQS1	EET CAL 4	02/04/26 17:27
Total/NA	Prep	625.1			686409	S4EA	EET CAL 4	01/24/26 09:00
Total/NA	Analysis	625.1 SIM		1	690589	PQS1	EET CAL 4	02/03/26 17:55
Total/NA	Analysis	8015B GRO LL		1	687650	A9VE	EET CAL 4	01/27/26 19:17
Total/NA	Prep	3510C			686737	TVD6	EET CAL 4	01/25/26 10:38
Total/NA	Analysis	8015B		1	688261	NR	EET CAL 4	01/28/26 20:06

Client Sample ID: TB: Ka'amilo Wells P2

Lab Sample ID: 380-193902-2

Date Collected: 01/20/26 12:00

Matrix: Water

Date Received: 01/22/26 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015B GRO LL		1	687650	A9VE	EET CAL 4	01/28/26 00:42

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: 380-193902-1
SDG: Weekly: Ka'amilo 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 the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
525.2	525.2	Water	1-Methylnaphthalene
525.2	525.2	Water	2,4'-DDD
525.2	525.2	Water	2,4'-DDE
525.2	525.2	Water	2,4'-DDT
525.2	525.2	Water	2,4-Dinitrotoluene
525.2	525.2	Water	2,6-Dinitrotoluene
525.2	525.2	Water	2-Methylnaphthalene
525.2	525.2	Water	4,4'-DDD
525.2	525.2	Water	4,4'-DDE
525 2	525 2	Water	4,4' DDT
525.2	525.2	Water	Acetochlor
525.2	525.2	Water	alpha-BHC
525.2	525.2	Water	alpha-Chlordane
525.2	525.2	Water	beta-BHC
525.2	525.2	Water	Chlorobenzilate
525.2	525.2	Water	Chloroneb
525.2	525.2	Water	Chlorothalonil (Draconil, Bravo)
525.2	525.2	Water	Chlorpyrifos
525.2	525.2	Water	delta-BHC
525.2	525.2	Water	Diclorvos (DDVP)
525.2	525.2	Water	Endosulfan I (Alpha)
525.2	525.2	Water	Endosulfan II (Beta)
525.2	525.2	Water	Endosulfan sulfate
525.2	525.2	Water	Endrin aldehyde
525.2	525.2	Water	EPTC
525.2	525.2	Water	gamma-Chlordane
525.2	525.2	Water	Isophorone
525.2	525.2	Water	Malathion
525.2	525.2	Water	Parathion
525.2	525.2	Water	Pendimethalin (Penoxaline)
525.2	525.2	Water	Terbacil
525.2	525.2	Water	Terbuthylazine
525.2	525.2	Water	Total Permethrin (mixed isomers)
525.2	525.2	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	03-02-26
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 Summary

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

Job ID: 380-193902-1
SDG: Weekly: Ka'amilo 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	02-02-26 *
USDA	US Federal Programs	525-23-159-97150	06-08-26
Utah	NELAP	CA00111	02-28-26
Washington	State	C916	10-11-26

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

Method Summary

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

Job ID: 380-193902-1
SDG: Weekly: Ka'amilo 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
625.1 SIM	Semivolatile Organic Compounds GC/MS (SIM)	EPA	EET CAL 4
8015B GRO LL	Gasoline Range Organics - (GC)	SW846	EET CAL 4
8015B	Diesel Range Organics (DRO) (GC) Low Level	SW846	EET CAL 4
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET CAL 4
5030C	Purge and Trap	SW846	EET CAL 4
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: 380-193902-1
SDG: Weekly: Ka'amilo Wells P2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
380-193902-1	Ka'amilo Wells P2	Water	01/20/26 12:00	01/22/26 09:55	Hawaii
380-193902-2	TB: Ka'amilo Wells P2	Water	01/20/26 12:00	01/22/26 09:55	Hawaii

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

Chain of Custody Record

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Client Information	Sampler: Jason Rakofsky	Lab PM: Arada, Rachelle	Carrier Tracking No(s):	COC No: 380-28005-2757 1
Client Contact: Mr Kirk Iwamoto	Phone: +1 808 748 5840	E-Mail: Rachelle.Arada@et.eurofinsus.com	State of Origin:	Page: Page 1 of 2
Company: City & County of Honolulu	PWSID:	Analysis Requested		Job #:

380-193902 COC

Client	Details
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#:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	525.1, 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:	X	X	R	RA	Q	QA	Y	I	X	
Kaamilo Wells P2	20-Jan-2026	1200	G	Water			2	3	2	2				
TB: Kaamilo Wells P2	20-Jan-2026	✓	G	Water				2						

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

Deliverable Requested: I, II, III, IV, Other (specify)

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:		Time:	Method of Shipment: 888 10123 3143	
[redacted]	Date/Time: 1/21/26 11:00	Company HBWS	Received by:	Date/Time: 1/22/26 9:55	Company
	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Cooler Temperature(s) °C and Other Remarks: 6/MD/4 3-4 3

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

Chain of Custody Record

eurofins | E

Loc: 380
193902

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Lopez, Maria	Carrier Tracking No(s): N/A	COC No: 380-297517.1
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 #: 380-193902-1
Address: 2841 Dow Avenue, Suite 100,	Due Date Requested: 2/4/2026			
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_LLHNL Ranges: C10-C24/C24-C36/C9-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:									
Kaamilo Wells P2 (380-193902-1)	1/20/26	12:00 Hawaiian	G	Water			X	X	X	X	7	MRLs are needed. Confirm any hits >RL.
TB: Kaamilo Wells P2 (380-193902-2)	1/20/26	12:00 Hawaiian	G	Water				X			2	MRLs are needed. Confirm any hits >RL.

380-193902 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
	1/23/26 1200			1/23/26 12:00	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.9/1.6 IR-1

Ver: 10/10/2024

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

Chain of Custody Record

eurofins | E

Loc: 380
193902

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Lopez, Maria	Carrier Tracking No(s): N/A	COC No: 380-297517.1
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 #: 380-193902-1
Address: 2841 Dow Avenue, Suite 100,	Due Date Requested: 2/4/2026	Analysis Requested		Preservation Codes: -
City: Tustin	TAT Requested (days): N/A			
State, Zip: CA, 92780				
Phone: 714-895-5494(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: RED-HILL	Project #: 38001111			
Site: Honolulu BWS Sites	SSOW#: N/A			Other: N/A

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_LLHNL 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:									
Kaamilo Wells P2 (380-193902-1)	1/20/26	12:00 Hawaiian	G	Water			X	X	X	X	7	MRLs are needed. Confirm any hits >RL.
TB: Kaamilo Wells P2 (380-193902-2)	1/20/26	12:00 Hawaiian	G	Water				X			2	MRLs are needed. Confirm any hits >RL.

f 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 laboratori... ...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
[signature]	1/23/26 1200	[illegible]	[signature]	1/23/26 12:00	EET
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: 1.9/1.6 IR-1

Ver: 10/10/2024

2/5/2026

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-193902-1
SDG Number: Weekly: Ka'amilo Wells P2

Login Number: 193902
List Number: 1
Creator: Tran, Kristine

List Source: Eurofins Pomona

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

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-193902-1
SDG Number: Weekly: Ka'amilo Wells P2

Login Number: 193902
List Number: 2
Creator: Khana, Piyush

List Source: Eurofins Calscience
List Creation: 01/23/26 12:29 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	1.6
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	