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ANALYTICAL REPORT

PREPARED FOR

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City & County of Honolulu
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Honolulu, Hawaii 96843

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JOB DESCRIPTION

RED-HILL
Weekly: Ka'amilo Wells P1

JOB NUMBER

380-239030-1

Eurofins Pomona
941 Corporate Center Drive
Pomona CA 91768-2642

See page two for job notes and contact information.

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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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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.

GC Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
^3+	Reporting Limit Check Standard is outside acceptance limits, high biased
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits

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
380-239030-1

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 9/30/2026 9:21 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 2.3°C.

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
Method 8015B: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 570-810072 and analytical batch 570-813492 recovered outside control limits for the following analytes: C10-C28.
Method: 8015B_DRO_LL_CS
Method 8015B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 570-810072 and analytical batch 570-813492 was outside control limits.
Method: 8015B_DRO_LL_CS
Method 8015B: The method reporting limit check (MRL) for preparation batch 570-810072 and analytical batch 570-813492 recovered outside control limits for the following analytes: C10-C28. These analytes were biased high in the MRL and were not detected in the associated samples; therefore, the data have been reported.

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

Detection Summary

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

Job ID: 380-239030-1
SDG: Weekly: Ka'amilo Wells P1

Client Sample ID: Ka'amilo Wells P1 (331-031-WL008) — Lab Sample ID: 380-239030-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Dieldrin	0.070		0.0097		ug/L	1		525.2	Total/NA
Heptachlor epoxide (isomer B)	0.013		0.0097		ug/L	1		525.2	Total/NA

Client Sample ID: TB: Ka'amilo Wells P1 (331-031-WL008) — Lab Sample ID: 380-239030-2

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: Ka'amilo Wells P1 (331-031-WL008)

Lab Sample ID: 380-239030-1

Date Collected: 09/28/26 11:39
Matrix: Water
Date Received: 09/30/26 09:21

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.097		0.097		ug/L		10/01/26 15:00	10/02/26 12:31	1
2,4'-DDD	<0.097		0.097		ug/L		10/01/26 15:00	10/02/26 12:31	1
2,4'-DDE	<0.097		0.097		ug/L		10/01/26 15:00	10/02/26 12:31	1
2,4'-DDT	<0.097		0.097		ug/L		10/01/26 15:00	10/02/26 12:31	1
2,4-Dinitrotoluene	<0.097		0.097		ug/L		10/01/26 15:00	10/02/26 12:31	1
2,6-Dinitrotoluene	<0.097		0.097		ug/L		10/01/26 15:00	10/02/26 12:31	1
2-Methylnaphthalene	<0.097		0.097		ug/L		10/01/26 15:00	10/02/26 12:31	1
4,4'-DDD	<0.097		0.097		ug/L		10/01/26 15:00	10/02/26 12:31	1
4,4'-DDE	<0.097		0.097		ug/L		10/01/26 15:00	10/02/26 12:31	1
4,4'-DDT	<0.097		0.097		ug/L		10/01/26 15:00	10/02/26 12:31	1
Acenaphthene	<0.097		0.097		ug/L		10/01/26 15:00	10/02/26 12:31	1
Acenaphthylene	<0.097		0.097		ug/L		10/01/26 15:00	10/02/26 12:31	1
Acetochlor	<0.097		0.097		ug/L		10/01/26 15:00	10/02/26 12:31	1
Alachlor	<0.049		0.049		ug/L		10/01/26 15:00	10/02/26 12:31	1
alpha-BHC	<0.097		0.097		ug/L		10/01/26 15:00	10/02/26 12:31	1
alpha-Chlordane	<0.049		0.049		ug/L		10/01/26 15:00	10/02/26 12:31	1
Anthracene	<0.019		0.019		ug/L		10/01/26 15:00	10/02/26 12:31	1
Atrazine	<0.049		0.049		ug/L		10/01/26 15:00	10/02/26 12:31	1
Benz(a)anthracene	<0.049		0.049		ug/L		10/01/26 15:00	10/02/26 12:31	1
Benzo[a]pyrene	<0.019		0.019		ug/L		10/01/26 15:00	10/02/26 12:31	1
Benzo[b]fluoranthene	<0.019		0.019		ug/L		10/01/26 15:00	10/02/26 12:31	1
Benzo[g,h,i]perylene	<0.049		0.049		ug/L		10/01/26 15:00	10/02/26 12:31	1
Benzo[k]fluoranthene	<0.019		0.019		ug/L		10/01/26 15:00	10/02/26 12:31	1
beta-BHC	<0.097		0.097		ug/L		10/01/26 15:00	10/02/26 12:31	1
Bis(2-ethylhexyl) phthalate	<0.58		0.58		ug/L		10/01/26 15:00	10/02/26 12:31	1
Bromacil	<0.097		0.097		ug/L		10/01/26 15:00	10/02/26 12:31	1
Butachlor	<0.049		0.049		ug/L		10/01/26 15:00	10/02/26 12:31	1
Butylbenzylphthalate	<0.49		0.49		ug/L		10/01/26 15:00	10/02/26 12:31	1
Chlorobenzilate	<0.097		0.097		ug/L		10/01/26 15:00	10/02/26 12:31	1
Chloroneb	<0.097		0.097		ug/L		10/01/26 15:00	10/02/26 12:31	1
Chlorothalonil (Draconil, Bravo)	<0.097		0.097		ug/L		10/01/26 15:00	10/02/26 12:31	1
Chlorpyrifos	<0.049		0.049		ug/L		10/01/26 15:00	10/02/26 12:31	1
Chrysene	<0.019		0.019		ug/L		10/01/26 15:00	10/02/26 12:31	1
delta-BHC	<0.097		0.097		ug/L		10/01/26 15:00	10/02/26 12:31	1
Di(2-ethylhexyl)adipate	<0.58		0.58		ug/L		10/01/26 15:00	10/02/26 12:31	1
Dibenz(a,h)anthracene	<0.049		0.049		ug/L		10/01/26 15:00	10/02/26 12:31	1
Diclorvos (DDVP)	<0.049		0.049		ug/L		10/01/26 15:00	10/02/26 12:31	1
Dieldrin	**0.070**		0.0097		ug/L		10/01/26 15:00	10/02/26 12:31	1
Diethylphthalate	<0.49		0.49		ug/L		10/01/26 15:00	10/02/26 12:31	1
Dimethylphthalate	<0.49		0.49		ug/L		10/01/26 15:00	10/02/26 12:31	1
Di-n-butyl phthalate	<0.97		0.97		ug/L		10/01/26 15:00	10/02/26 12:31	1
Di-n-octyl phthalate	<0.097		0.097		ug/L		10/01/26 15:00	10/02/26 12:31	1
Endosulfan I (Alpha)	<0.097		0.097		ug/L		10/01/26 15:00	10/02/26 12:31	1
Endosulfan II (Beta)	<0.097		0.097		ug/L		10/01/26 15:00	10/02/26 12:31	1
Endosulfan sulfate	<0.097		0.097		ug/L		10/01/26 15:00	10/02/26 12:31	1
Endrin	<0.0097		0.0097		ug/L		10/01/26 15:00	10/02/26 12:31	1
Endrin aldehyde	<0.097		0.097		ug/L		10/01/26 15:00	10/02/26 12:31	1
EPTC	<0.097		0.097		ug/L		10/01/26 15:00	10/02/26 12:31	1
Fluoranthene	<0.097		0.097		ug/L		10/01/26 15:00	10/02/26 12:31	1

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

Job ID: 380-239030-1
SDG: Weekly: Ka'amilo Wells P1

Client Sample ID: Ka'amilo Wells P1 (331-031-WL008)
Date Collected: 09/28/26 11:39
Date Received: 09/30/26 09:21

Lab Sample ID: 380-239030-1
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.049		0.049		ug/L		10/01/26 15:00	10/02/26 12:31	1
gamma-Chlordane	<0.049		0.049		ug/L		10/01/26 15:00	10/02/26 12:31	1
Heptachlor	<0.0097		0.0097		ug/L		10/01/26 15:00	10/02/26 12:31	1
Heptachlor epoxide (isomer B)	**0.013**		0.0097		ug/L		10/01/26 15:00	10/02/26 12:31	1
Hexachlorobenzene	<0.049		0.049		ug/L		10/01/26 15:00	10/02/26 12:31	1
Hexachlorocyclopentadiene	<0.049		0.049		ug/L		10/01/26 15:00	10/02/26 12:31	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049		ug/L		10/01/26 15:00	10/02/26 12:31	1
Isophorone	<0.097		0.097		ug/L		10/01/26 15:00	10/02/26 12:31	1
Lindane	<0.0097		0.0097		ug/L		10/01/26 15:00	10/02/26 12:31	1
Malathion	<0.097		0.097		ug/L		10/01/26 15:00	10/02/26 12:31	1
Methoxychlor	<0.049		0.049		ug/L		10/01/26 15:00	10/02/26 12:31	1
Metolachlor	<0.049		0.049		ug/L		10/01/26 15:00	10/02/26 12:31	1
Molinate	<0.097		0.097		ug/L		10/01/26 15:00	10/02/26 12:31	1
Naphthalene	<0.097		0.097		ug/L		10/01/26 15:00	10/02/26 12:31	1
Parathion	<0.097		0.097		ug/L		10/01/26 15:00	10/02/26 12:31	1
Pendimethalin (Penoxaline)	<0.097		0.097		ug/L		10/01/26 15:00	10/02/26 12:31	1
Phenanthrene	<0.039		0.039		ug/L		10/01/26 15:00	10/02/26 12:31	1
Propachlor	<0.049		0.049		ug/L		10/01/26 15:00	10/02/26 12:31	1
Pyrene	<0.049		0.049		ug/L		10/01/26 15:00	10/02/26 12:31	1
Simazine	<0.049		0.049		ug/L		10/01/26 15:00	10/02/26 12:31	1
Terbacil	<0.097		0.097		ug/L		10/01/26 15:00	10/02/26 12:31	1
Terbuthylazine	<0.097		0.097		ug/L		10/01/26 15:00	10/02/26 12:31	1
Thiobencarb	<0.097		0.097		ug/L		10/01/26 15:00	10/02/26 12:31	1
Total Permethrin (mixed isomers)	<0.19		0.19		ug/L		10/01/26 15:00	10/02/26 12:31	1
trans-Nonachlor	<0.049		0.049		ug/L		10/01/26 15:00	10/02/26 12:31	1
Trifluralin	<0.097		0.097		ug/L		10/01/26 15:00	10/02/26 12:31	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*	*10/01/26 15:00*	*10/02/26 12:31*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*98*		*70 - 130*	*10/01/26 15:00*	*10/02/26 12:31*	*1*
Perylene-d12	*92*		*70 - 130*	*10/01/26 15:00*	*10/02/26 12:31*	*1*
Triphenylphosphate	*97*		*70 - 130*	*10/01/26 15:00*	*10/02/26 12:31*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.19		0.19		ug/L		10/03/26 07:30	10/06/26 21:09	1
2-Methylnaphthalene	<0.19		0.19		ug/L		10/03/26 07:30	10/06/26 21:09	1
Acenaphthene	<0.19		0.19		ug/L		10/03/26 07:30	10/06/26 21:09	1
Acenaphthylene	<0.19		0.19		ug/L		10/03/26 07:30	10/06/26 21:09	1
Anthracene	<0.19		0.19		ug/L		10/03/26 07:30	10/06/26 21:09	1
Benzo[a]anthracene	<0.19		0.19		ug/L		10/03/26 07:30	10/06/26 21:09	1
Benzo[a]pyrene	<0.19		0.19		ug/L		10/03/26 07:30	10/06/26 21:09	1
Benzo[b]fluoranthene	<0.19		0.19		ug/L		10/03/26 07:30	10/06/26 21:09	1
Benzo[g,h,i]perylene	<0.19		0.19		ug/L		10/03/26 07:30	10/06/26 21:09	1
Benzo[k]fluoranthene	<0.19		0.19		ug/L		10/03/26 07:30	10/06/26 21:09	1
Chrysene	<0.19		0.19		ug/L		10/03/26 07:30	10/06/26 21:09	1
Dibenz(a,h)anthracene	<0.19		0.19		ug/L		10/03/26 07:30	10/06/26 21:09	1
Fluoranthene	<0.19		0.19		ug/L		10/03/26 07:30	10/06/26 21:09	1

Client Sample ID: Ka'amilo Wells P1 (331-031-WL008)

Lab Sample ID: 380-239030-1
Date Collected: 09/28/26 11:39
Matrix: Water
Date Received: 09/30/26 09:21

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.19		0.19		ug/L		10/03/26 07:30	10/06/26 21:09	1
Indeno[1,2,3-cd]pyrene	<0.19		0.19		ug/L		10/03/26 07:30	10/06/26 21:09	1
Naphthalene	<0.19		0.19		ug/L		10/03/26 07:30	10/06/26 21:09	1
Phenanthrene	<0.19		0.19		ug/L		10/03/26 07:30	10/06/26 21:09	1
Pyrene	<0.19		0.19		ug/L		10/03/26 07:30	10/06/26 21:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*95*		*28 - 127*	*10/03/26 07:30*	*10/06/26 21:09*	*1*
2-Fluorobiphenyl (Surr)	*86*		*31 - 120*	*10/03/26 07:30*	*10/06/26 21:09*	*1*
2-Fluorophenol (Surr)	*55*		*17 - 120*	*10/03/26 07:30*	*10/06/26 21:09*	*1*
Nitrobenzene-d5 (Surr)	*86*		*27 - 120*	*10/03/26 07:30*	*10/06/26 21:09*	*1*
Phenol-d6 (Surr)	*32*		*10 - 120*	*10/03/26 07:30*	*10/06/26 21:09*	*1*
p-Terphenyl-d14 (Surr)	*86*		*45 - 120*	*10/03/26 07:30*	*10/06/26 21:09*	*1*

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

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*	*10/03/26 07:30*	*10/07/26 12:50*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*78*		*33 - 139*	*10/03/26 07:30*	*10/07/26 12:50*	*1*
2-Fluorobiphenyl (Surr)	*79*		*33 - 126*	*10/03/26 07:30*	*10/07/26 12:50*	*1*
2-Fluorophenol (Surr)	*54*		*12 - 120*	*10/03/26 07:30*	*10/07/26 12:50*	*1*
Nitrobenzene-d5 (Surr)	*86*		*36 - 120*	*10/03/26 07:30*	*10/07/26 12:50*	*1*
Phenol-d6 (Surr)	*34*		*10 - 120*	*10/03/26 07:30*	*10/07/26 12:50*	*1*
p-Terphenyl-d14 (Surr)	*85*		*47 - 131*	*10/03/26 07:30*	*10/07/26 12:50*	*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			10/04/26 14:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*38 - 134*		*10/04/26 14:17*	*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		10/04/26 15:27	10/10/26 17:04	1
Motor Oil Range Organics [C24-C36]	<26		26		ug/L		10/04/26 15:27	10/10/26 17:04	1
C8-C18	<26		26		ug/L		10/04/26 15:27	10/10/26 17:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*102*		*60 - 130*	*10/04/26 15:27*	*10/10/26 17:04*	*1*

Client Sample ID: TB: Ka'amilo Wells P1 (331-031-WL008)

Lab Sample ID: 380-239030-2
Date Collected: 09/28/26 11:39
Matrix: Water
Date Received: 09/30/26 09:21

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			10/04/26 19:03	1

Client Sample Results

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

Job ID: 380-239030-1
SDG: Weekly: Ka'amilo Wells P1

Client Sample ID: TB: Ka'amilo Wells P1 (331-031-WL008)
Date Collected: 09/28/26 11:39
Date Received: 09/30/26 09:21

Lab Sample ID: 380-239030-2
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*94*		*38 - 134*		*10/04/26 19:03*	*1*

Action Limit Summary

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

Job ID: 380-239030-1
SDG: Weekly: Ka'amilo Wells P1

Client Sample ID: Ka'amilo Wells P1 (331-031-WL008) — Lab Sample ID: 380-239030-1

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	<0.019		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	<0.0097		ug/L	2	0.0097	525.2	Total/NA
Heptachlor	<0.0097		ug/L	0.4	0.0097	525.2	Total/NA
Heptachlor epoxide (isomer B)	0.013		ug/L	0.2	0.0097	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	<0.0097		ug/L	0.2	0.0097	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
Benzo[a]pyrene	<0.19		ug/L	0.2	0.19	625.1 SIM	Total/NA

Surrogate Summary

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

Job ID: 380-239030-1
SDG: Weekly: Ka'amilo Wells P1

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)
380-239030-1	Ka'amilo Wells P1 (331-031-WL(	98	92	97
380-239030-1 MS	Ka'amilo Wells P1 (331-031-WL008)	97	90	102
380-239031-I-1-A DU	Duplicate	98	94	99
LCS 380-255853/23-A	Lab Control Sample	95	98	101
MB 380-255853/21-A	Method Blank	97	90	98
MRL 380-255853/22-A	Lab Control Sample	97	94	100

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)
380-239030-1	Ka'amilo Wells P1 (331-031-WL(	78	79	54	86	34	85
MB 570-809766/1-A	Method Blank	82	85	57	94	38	88

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)
380-238986-A-1-A MS	Matrix Spike	94	95	73	70	46	110
380-238986-A-1-B MSD	Matrix Spike Duplicate	86	89	68	66	42	105
380-239030-1	Ka'amilo Wells P1 (331-031-WL008)	95	86	55	86	32	86
LCS 570-809766/2-A	Lab Control Sample	95	93	73	69	46	107
LCSD 570-809766/3-A	Lab Control Sample Dup	93	93	72	68	46	108
MB 570-809766/1-A	Method Blank	102	90	62	94	37	88

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: 380-239030-1
SDG: Weekly: Ka'amilo Wells P1

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)
380-238986-B-1 MS	Matrix Spike	97
380-238986-B-1 MSD	Matrix Spike Duplicate	99
380-239030-1	Ka'amilo Wells P1 (331-031-WL008)	99
380-239030-2	TB: Ka'amilo Wells P1 (331-031-WL008)	94
LCS 570-809982/3	Lab Control Sample	94
LCSD 570-809982/4	Lab Control Sample Dup	98
MB 570-809982/6	Method Blank	97
MRL 570-809982/7	Lab Control Sample	89

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)
380-238986-C-1-A MS	Matrix Spike	66
380-238986-C-1-B MSD	Matrix Spike Duplicate	97
380-239030-1	Ka'amilo Wells P1 (331-031-WL008)	102
LCS 570-810072/2-A	Lab Control Sample	73
LCSD 570-810072/3-A	Lab Control Sample Dup	97
MB 570-810072/1-A	Method Blank	102
MRL 570-810072/4-A	Lab Control Sample	99

Surrogate Legend

OTCSN = n-Octacosane (Surr)

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

Lab Sample ID: MB 380-255853/21-A
Matrix: Water
Analysis Batch: 256021

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 255853

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.098		0.098		ug/L		10/01/26 15:00	10/02/26 10:50	1
2,4'-DDD	<0.098		0.098		ug/L		10/01/26 15:00	10/02/26 10:50	1
2,4'-DDE	<0.098		0.098		ug/L		10/01/26 15:00	10/02/26 10:50	1
2,4'-DDT	<0.098		0.098		ug/L		10/01/26 15:00	10/02/26 10:50	1
2,4-Dinitrotoluene	<0.098		0.098		ug/L		10/01/26 15:00	10/02/26 10:50	1
2,6-Dinitrotoluene	<0.098		0.098		ug/L		10/01/26 15:00	10/02/26 10:50	1
2-Methylnaphthalene	<0.098		0.098		ug/L		10/01/26 15:00	10/02/26 10:50	1
4,4'-DDD	<0.098		0.098		ug/L		10/01/26 15:00	10/02/26 10:50	1
4,4'-DDE	<0.098		0.098		ug/L		10/01/26 15:00	10/02/26 10:50	1
4,4'-DDT	<0.098		0.098		ug/L		10/01/26 15:00	10/02/26 10:50	1
Acenaphthene	<0.098		0.098		ug/L		10/01/26 15:00	10/02/26 10:50	1
Acenaphthylene	<0.098		0.098		ug/L		10/01/26 15:00	10/02/26 10:50	1
Acetochlor	<0.098		0.098		ug/L		10/01/26 15:00	10/02/26 10:50	1
Alachlor	<0.049		0.049		ug/L		10/01/26 15:00	10/02/26 10:50	1
alpha-BHC	<0.098		0.098		ug/L		10/01/26 15:00	10/02/26 10:50	1
alpha-Chlordane	<0.049		0.049		ug/L		10/01/26 15:00	10/02/26 10:50	1
Anthracene	<0.020		0.020		ug/L		10/01/26 15:00	10/02/26 10:50	1
Atrazine	<0.049		0.049		ug/L		10/01/26 15:00	10/02/26 10:50	1
Benz(a)anthracene	<0.049		0.049		ug/L		10/01/26 15:00	10/02/26 10:50	1
Benzo[a]pyrene	<0.020		0.020		ug/L		10/01/26 15:00	10/02/26 10:50	1
Benzo[b]fluoranthene	<0.020		0.020		ug/L		10/01/26 15:00	10/02/26 10:50	1
Benzo[g,h,i]perylene	<0.049		0.049		ug/L		10/01/26 15:00	10/02/26 10:50	1
Benzo[k]fluoranthene	<0.020		0.020		ug/L		10/01/26 15:00	10/02/26 10:50	1
beta-BHC	<0.098		0.098		ug/L		10/01/26 15:00	10/02/26 10:50	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59		ug/L		10/01/26 15:00	10/02/26 10:50	1
Bromacil	<0.098		0.098		ug/L		10/01/26 15:00	10/02/26 10:50	1
Butachlor	<0.049		0.049		ug/L		10/01/26 15:00	10/02/26 10:50	1
Butylbenzylphthalate	<0.49		0.49		ug/L		10/01/26 15:00	10/02/26 10:50	1
Chlorobenzilate	<0.098		0.098		ug/L		10/01/26 15:00	10/02/26 10:50	1
Chloroneb	<0.098		0.098		ug/L		10/01/26 15:00	10/02/26 10:50	1
Chlorothalonil (Draconil, Bravo)	<0.098		0.098		ug/L		10/01/26 15:00	10/02/26 10:50	1
Chlorpyrifos	<0.049		0.049		ug/L		10/01/26 15:00	10/02/26 10:50	1
Chrysene	<0.020		0.020		ug/L		10/01/26 15:00	10/02/26 10:50	1
delta-BHC	<0.098		0.098		ug/L		10/01/26 15:00	10/02/26 10:50	1
Di(2-ethylhexyl)adipate	<0.59		0.59		ug/L		10/01/26 15:00	10/02/26 10:50	1
Dibenz(a,h)anthracene	<0.049		0.049		ug/L		10/01/26 15:00	10/02/26 10:50	1
Diclorvos (DDVP)	<0.049		0.049		ug/L		10/01/26 15:00	10/02/26 10:50	1
Dieldrin	<0.0098		0.0098		ug/L		10/01/26 15:00	10/02/26 10:50	1
Diethylphthalate	<0.49		0.49		ug/L		10/01/26 15:00	10/02/26 10:50	1
Dimethylphthalate	<0.49		0.49		ug/L		10/01/26 15:00	10/02/26 10:50	1
Di-n-butyl phthalate	<0.98		0.98		ug/L		10/01/26 15:00	10/02/26 10:50	1
Di-n-octyl phthalate	<0.098		0.098		ug/L		10/01/26 15:00	10/02/26 10:50	1
Endosulfan I (Alpha)	<0.098		0.098		ug/L		10/01/26 15:00	10/02/26 10:50	1
Endosulfan II (Beta)	<0.098		0.098		ug/L		10/01/26 15:00	10/02/26 10:50	1
Endosulfan sulfate	<0.098		0.098		ug/L		10/01/26 15:00	10/02/26 10:50	1
Endrin	<0.0098		0.0098		ug/L		10/01/26 15:00	10/02/26 10:50	1
Endrin aldehyde	<0.098		0.098		ug/L		10/01/26 15:00	10/02/26 10:50	1
EPTC	<0.098		0.098		ug/L		10/01/26 15:00	10/02/26 10:50	1

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

Lab Sample ID: MB 380-255853/21-A
Matrix: Water
Analysis Batch: 256021

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 255853

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	<0.098		0.098		ug/L		10/01/26 15:00	10/02/26 10:50	1
Fluorene	<0.049		0.049		ug/L		10/01/26 15:00	10/02/26 10:50	1
gamma-Chlordane	<0.049		0.049		ug/L		10/01/26 15:00	10/02/26 10:50	1
Heptachlor	<0.0098		0.0098		ug/L		10/01/26 15:00	10/02/26 10:50	1
Heptachlor epoxide (isomer B)	<0.0098		0.0098		ug/L		10/01/26 15:00	10/02/26 10:50	1
Hexachlorobenzene	<0.049		0.049		ug/L		10/01/26 15:00	10/02/26 10:50	1
Hexachlorocyclopentadiene	<0.049		0.049		ug/L		10/01/26 15:00	10/02/26 10:50	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049		ug/L		10/01/26 15:00	10/02/26 10:50	1
Isophorone	<0.098		0.098		ug/L		10/01/26 15:00	10/02/26 10:50	1
Lindane	<0.0098		0.0098		ug/L		10/01/26 15:00	10/02/26 10:50	1
Malathion	<0.098		0.098		ug/L		10/01/26 15:00	10/02/26 10:50	1
Methoxychlor	<0.049		0.049		ug/L		10/01/26 15:00	10/02/26 10:50	1
Metolachlor	<0.049		0.049		ug/L		10/01/26 15:00	10/02/26 10:50	1
Molinate	<0.098		0.098		ug/L		10/01/26 15:00	10/02/26 10:50	1
Naphthalene	<0.098		0.098		ug/L		10/01/26 15:00	10/02/26 10:50	1
Parathion	<0.098		0.098		ug/L		10/01/26 15:00	10/02/26 10:50	1
Pendimethalin (Penoxaline)	<0.098		0.098		ug/L		10/01/26 15:00	10/02/26 10:50	1
Phenanthrene	<0.039		0.039		ug/L		10/01/26 15:00	10/02/26 10:50	1
Propachlor	<0.049		0.049		ug/L		10/01/26 15:00	10/02/26 10:50	1
Pyrene	<0.049		0.049		ug/L		10/01/26 15:00	10/02/26 10:50	1
Simazine	<0.049		0.049		ug/L		10/01/26 15:00	10/02/26 10:50	1
Terbacil	<0.098		0.098		ug/L		10/01/26 15:00	10/02/26 10:50	1
Terbuthylazine	<0.098		0.098		ug/L		10/01/26 15:00	10/02/26 10:50	1
Thiobencarb	<0.098		0.098		ug/L		10/01/26 15:00	10/02/26 10:50	1
Total Permethrin (mixed isomers)	<0.20		0.20		ug/L		10/01/26 15:00	10/02/26 10:50	1
trans-Nonachlor	<0.049		0.049		ug/L		10/01/26 15:00	10/02/26 10:50	1
Trifluralin	<0.098		0.098		ug/L		10/01/26 15:00	10/02/26 10:50	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Undecane	*5.29*	*T J N*	*ug/L*		*3.14*	*1120-21-4*	*10/01/26 15:00*	*10/02/26 10:50*	*1*
Cyclopentasiloxane, decamethyl-	*0.607*	*T J N*	*ug/L*		*3.27*	*541-02-6*	*10/01/26 15:00*	*10/02/26 10:50*	*1*
9-Octadecenamide, (Z)-	*1.17*	*T J N*	*ug/L*		*7.88*	*301-02-0*	*10/01/26 15:00*	*10/02/26 10:50*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*97*		*70 - 130*	*10/01/26 15:00*	*10/02/26 10:50*	*1*
Perylene-d12	*90*		*70 - 130*	*10/01/26 15:00*	*10/02/26 10:50*	*1*
Triphenylphosphate	*98*		*70 - 130*	*10/01/26 15:00*	*10/02/26 10:50*	*1*

Lab Sample ID: LCS 380-255853/23-A
Matrix: Water
Analysis Batch: 256021

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 255853

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	1.97	2.05		ug/L		104	70 - 130
2,4'-DDD	1.97	2.09		ug/L		106	70 - 130
2,4'-DDE	1.97	2.07		ug/L		105	70 - 130
2,4'-DDT	1.97	2.11		ug/L		107	70 - 130
2,4-Dinitrotoluene	1.97	2.11		ug/L		107	70 - 130

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

Lab Sample ID: LCS 380-255853/23-A
Matrix: Water
Analysis Batch: 256021

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 255853

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,6-Dinitrotoluene	1.97	2.10		ug/L		107	70 - 130
2-Methylnaphthalene	1.97	2.08		ug/L		106	70 - 130
4,4'-DDD	1.97	2.22		ug/L		113	70 - 130
4,4'-DDE	1.97	2.02		ug/L		103	70 - 130
4,4'-DDT	1.97	2.11		ug/L		107	70 - 130
Acenaphthene	1.97	2.06		ug/L		105	70 - 130
Acenaphthylene	1.97	1.80		ug/L		92	70 - 130
Acetochlor	1.97	2.09		ug/L		106	70 - 130
Alachlor	1.97	2.09		ug/L		106	70 - 130
alpha-BHC	1.97	2.07		ug/L		105	70 - 130
alpha-Chlordane	1.97	2.00		ug/L		102	70 - 130
Anthracene	1.97	1.78		ug/L		91	70 - 130
Atrazine	1.97	2.12		ug/L		108	70 - 130
Benz(a)anthracene	1.97	2.16		ug/L		110	70 - 130
Benzo[a]pyrene	1.97	2.05		ug/L		104	70 - 130
Benzo[b]fluoranthene	1.97	2.12		ug/L		108	70 - 130
Benzo[g,h,i]perylene	1.97	2.09		ug/L		106	70 - 130
Benzo[k]fluoranthene	1.97	2.22		ug/L		113	70 - 130
beta-BHC	1.97	2.13		ug/L		108	70 - 130
Bis(2-ethylhexyl) phthalate	1.97	2.06		ug/L		105	70 - 130
Bromacil	1.97	1.86		ug/L		95	70 - 130
Butachlor	1.97	2.18		ug/L		111	70 - 130
Butylbenzylphthalate	1.97	2.20		ug/L		112	70 - 130
Chlorobenzilate	1.97	2.12		ug/L		108	70 - 130
Chloroneb	1.97	2.10		ug/L		107	70 - 130
Chlorothalonil (Draconil, Bravo)	1.97	2.12		ug/L		108	70 - 130
Chlorpyrifos	1.97	2.11		ug/L		107	70 - 130
Chrysene	1.97	2.13		ug/L		108	70 - 130
delta-BHC	1.97	2.16		ug/L		110	70 - 130
Di(2-ethylhexyl)adipate	1.97	2.21		ug/L		112	70 - 130
Dibenz(a,h)anthracene	1.97	2.11		ug/L		108	70 - 130
Diclorvos (DDVP)	1.97	2.01		ug/L		102	70 - 130
Dieldrin	1.97	2.01		ug/L		102	70 - 130
Diethylphthalate	1.97	2.16		ug/L		110	70 - 130
Dimethylphthalate	1.97	2.10		ug/L		107	70 - 130
Di-n-butyl phthalate	3.93	4.21		ug/L		107	70 - 130
Di-n-octyl phthalate	1.97	1.96		ug/L		100	70 - 130
Endosulfan I (Alpha)	1.97	2.10		ug/L		107	70 - 130
Endosulfan II (Beta)	1.97	2.08		ug/L		106	70 - 130
Endosulfan sulfate	1.97	1.95		ug/L		99	70 - 130
Endrin	1.97	2.11		ug/L		107	70 - 130
Endrin aldehyde	1.97	2.05		ug/L		104	60 - 130
EPTC	1.97	2.03		ug/L		103	70 - 130
Fluoranthene	1.97	2.17		ug/L		110	70 - 130
Fluorene	1.97	2.12		ug/L		108	70 - 130
gamma-Chlordane	1.97	2.10		ug/L		107	70 - 130
Heptachlor	1.97	1.94		ug/L		99	70 - 130
Heptachlor epoxide (isomer B)	1.97	1.99		ug/L		101	70 - 130
Hexachlorobenzene	1.97	1.96		ug/L		100	70 - 130

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

Lab Sample ID: LCS 380-255853/23-A
Matrix: Water
Analysis Batch: 256021

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 255853

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Hexachlorocyclopentadiene	1.97	2.06		ug/L		105	70 - 130
Indeno[1,2,3-cd]pyrene	1.97	2.13		ug/L		108	70 - 130
Isophorone	1.97	1.98		ug/L		101	70 - 130
Lindane	1.97	2.05		ug/L		104	70 - 130
Malathion	1.97	2.09		ug/L		106	70 - 130
Methoxychlor	1.97	2.17		ug/L		110	70 - 130
Metolachlor	1.97	2.09		ug/L		106	70 - 130
Molinate	1.97	2.13		ug/L		109	70 - 130
Naphthalene	1.97	1.98		ug/L		101	70 - 130
Parathion	1.97	2.13		ug/L		109	70 - 130
Pendimethalin (Penoxaline)	1.97	2.08		ug/L		106	70 - 130
Phenanthrene	1.97	2.13		ug/L		108	70 - 130
Propachlor	1.97	2.13		ug/L		109	70 - 130
Pyrene	1.97	2.17		ug/L		110	70 - 130
Simazine	1.97	2.09		ug/L		106	70 - 130
Terbacil	1.97	2.01		ug/L		102	70 - 130
Terbuthylazine	1.97	2.21		ug/L		113	70 - 130
Thiobencarb	1.97	2.17		ug/L		110	70 - 130
trans-Nonachlor	1.97	2.01		ug/L		102	70 - 130
Trifluralin	1.97	1.94		ug/L		99	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Nitro-m-xylene	*95*		*70 - 130*
Perylene-d12	*98*		*70 - 130*
Triphenylphosphate	*101*		*70 - 130*

Lab Sample ID: MRL 380-255853/22-A
Matrix: Water
Analysis Batch: 256021

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 255853

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	0.0985	0.0934	J	ug/L		95	50 - 150
2,4'-DDD	0.0985	0.0996		ug/L		101	50 - 150
2,4'-DDE	0.0985	0.107		ug/L		109	50 - 150
2,4'-DDT	0.0985	0.115		ug/L		117	50 - 150
2,4-Dinitrotoluene	0.0985	0.123		ug/L		125	50 - 150
2,6-Dinitrotoluene	0.0985	0.121		ug/L		123	50 - 150
2-Methylnaphthalene	0.0985	0.101		ug/L		102	50 - 150
4,4'-DDD	0.0985	0.118		ug/L		120	50 - 150
4,4'-DDE	0.0985	0.105		ug/L		106	50 - 150
4,4'-DDT	0.0985	0.117		ug/L		119	50 - 150
Acenaphthene	0.0985	0.0949	J	ug/L		96	50 - 150
Acenaphthylene	0.0985	0.0741	J	ug/L		75	50 - 150
Acetochlor	0.0985	0.106		ug/L		107	50 - 150
Alachlor	0.0492	0.0576		ug/L		117	50 - 150
alpha-BHC	0.0985	0.0936	J	ug/L		95	50 - 150
alpha-Chlordane	0.0246	<0.029		ug/L		111	50 - 150
Anthracene	0.0197	0.0193	J	ug/L		98	50 - 150

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

Lab Sample ID: MRL 380-255853/22-A
Matrix: Water
Analysis Batch: 256021

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 255853

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Atrazine	0.0492	0.0587		ug/L		119	50 - 150
Benz(a)anthracene	0.0492	0.0528		ug/L		107	50 - 150
Benzo[a]pyrene	0.0197	0.0188	J	ug/L		96	50 - 150
Benzo[b]fluoranthene	0.0197	0.0217		ug/L		110	50 - 150
Benzo[g,h,i]perylene	0.0492	0.0466	J	ug/L		95	50 - 150
Benzo[k]fluoranthene	0.0197	0.0222		ug/L		113	50 - 150
beta-BHC	0.0985	0.107		ug/L		109	50 - 150
Bis(2-ethylhexyl) phthalate	0.591	0.631		ug/L		107	50 - 150
Bromacil	0.0985	0.111		ug/L		112	50 - 150
Butachlor	0.0492	0.0532		ug/L		108	50 - 150
Butylbenzylphthalate	0.492	0.606		ug/L		123	50 - 150
Chlorobenzilate	0.0985	0.107		ug/L		108	50 - 150
Chloroneb	0.0985	0.115		ug/L		117	50 - 150
Chlorothalonil (Draconil, Bravo)	0.0985	0.109		ug/L		111	50 - 150
Chlorpyrifos	0.0492	0.0503		ug/L		102	50 - 150
Chrysene	0.0197	0.0239		ug/L		122	50 - 150
delta-BHC	0.0985	0.110		ug/L		111	50 - 150
Di(2-ethylhexyl)adipate	0.591	0.714		ug/L		121	50 - 150
Dibenz(a,h)anthracene	0.0492	0.0429	J	ug/L		87	50 - 150
Diclorvos (DDVP)	0.0492	0.0551		ug/L		112	50 - 150
Dieldrin	0.00985	0.0111		ug/L		113	50 - 150
Diethylphthalate	0.492	0.597		ug/L		121	50 - 150
Dimethylphthalate	0.492	0.557		ug/L		113	50 - 150
Di-n-butyl phthalate	0.492	0.547	J	ug/L		111	49 - 243
Di-n-octyl phthalate	0.0985	0.0928	J	ug/L		94	50 - 150
Endosulfan I (Alpha)	0.0985	0.109		ug/L		111	50 - 150
Endosulfan II (Beta)	0.0985	0.0991		ug/L		101	50 - 150
Endosulfan sulfate	0.0985	0.115		ug/L		117	50 - 150
Endrin	0.00985	0.0148		ug/L		150	50 - 150
Endrin aldehyde	0.0985	0.0928	J	ug/L		94	50 - 150
EPTC	0.0985	0.0953	J	ug/L		97	50 - 150
Fluoranthene	0.0985	0.104		ug/L		106	50 - 150
Fluorene	0.0492	0.0509		ug/L		103	50 - 150
gamma-Chlordane	0.0246	0.0261	J	ug/L		106	50 - 150
Heptachlor	0.00985	0.0105		ug/L		107	50 - 150
Heptachlor epoxide (isomer B)	0.00985	0.0102		ug/L		103	50 - 150
Hexachlorobenzene	0.0492	0.0487	J	ug/L		99	50 - 150
Hexachlorocyclopentadiene	0.0492	0.0516		ug/L		105	50 - 150
Indeno[1,2,3-cd]pyrene	0.0492	0.0528		ug/L		107	50 - 150
Isophorone	0.0985	0.0920	J	ug/L		93	50 - 150
Lindane	0.00985	0.00886	J	ug/L		90	50 - 150
Malathion	0.0985	0.113		ug/L		115	50 - 150
Methoxychlor	0.0492	0.0568		ug/L		115	50 - 150
Metolachlor	0.0492	0.0528		ug/L		107	50 - 150
Molinate	0.0985	0.112		ug/L		114	50 - 150
Naphthalene	0.0985	0.0968	J	ug/L		98	50 - 150
Parathion	0.0985	0.0917	J	ug/L		93	50 - 150
Pendimethalin (Penoxaline)	0.0985	0.0997		ug/L		101	50 - 150
Phenanthrene	0.0394	0.0424		ug/L		108	50 - 150

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

Lab Sample ID: MRL 380-255853/22-A
Matrix: Water
Analysis Batch: 256021

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 255853

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Propachlor	0.0492	0.0563		ug/L		114	50 - 150
Pyrene	0.0492	0.0526		ug/L		107	50 - 150
Simazine	0.0492	0.0563		ug/L		114	50 - 150
Terbacil	0.0985	0.104		ug/L		106	50 - 150
Terbuthylazine	0.0985	0.112		ug/L		114	50 - 150
Thiobencarb	0.0985	0.112		ug/L		114	50 - 150
trans-Nonachlor	0.0246	0.0272	J	ug/L		111	50 - 150
Trifluralin	0.0985	0.0979	J	ug/L		99	50 - 150

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
2-Nitro-m-xylene	*97*		*70 - 130*
Perylene-d12	*94*		*70 - 130*
Triphenylphosphate	*100*		*70 - 130*

Lab Sample ID: 380-239030-1 MS
Matrix: Water
Analysis Batch: 256021

Client Sample ID: Ka'amilo Wells P1 (331-031-WL008)
Prep Type: Total/NA
Prep Batch: 255853

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.097		1.96	2.06		ug/L		106	70 - 130
2,4'-DDD	<0.097		1.96	2.00		ug/L		102	70 - 130
2,4'-DDE	<0.097		1.96	1.89		ug/L		97	70 - 130
2,4'-DDT	<0.097		1.96	1.86		ug/L		95	70 - 130
2,4-Dinitrotoluene	<0.097		1.96	2.12		ug/L		108	70 - 130
2,6-Dinitrotoluene	<0.097		1.96	2.14		ug/L		109	70 - 130
2-Methylnaphthalene	<0.097		1.96	2.07		ug/L		106	70 - 130
4,4'-DDD	<0.097		1.96	2.09		ug/L		107	70 - 130
4,4'-DDE	<0.097		1.96	1.76		ug/L		90	70 - 130
4,4'-DDT	<0.097		1.96	1.83		ug/L		94	70 - 130
Acenaphthene	<0.097		1.96	2.07		ug/L		106	70 - 130
Acenaphthylene	<0.097		1.96	1.75		ug/L		90	70 - 130
Acetochlor	<0.097		1.96	2.10		ug/L		107	70 - 130
Alachlor	<0.049		1.96	2.13		ug/L		109	70 - 130
alpha-BHC	<0.097		1.96	2.09		ug/L		107	70 - 130
alpha-Chlordane	<0.049		1.96	2.04		ug/L		103	70 - 130
Anthracene	<0.019		1.96	1.76		ug/L		90	70 - 130
Atrazine	<0.049		1.96	2.12		ug/L		108	70 - 130
Benz(a)anthracene	<0.049		1.96	2.05		ug/L		105	70 - 130
Benzo[a]pyrene	<0.019		1.96	1.99		ug/L		102	70 - 130
Benzo[b]fluoranthene	<0.019		1.96	2.17		ug/L		111	70 - 130
Benzo[g,h,i]perylene	<0.049		1.96	1.90		ug/L		97	70 - 130
Benzo[k]fluoranthene	<0.019		1.96	2.13		ug/L		109	70 - 130
beta-BHC	<0.097		1.96	2.14		ug/L		109	70 - 130
Bis(2-ethylhexyl) phthalate	<0.58		1.96	1.81		ug/L		93	70 - 130
Bromacil	<0.097		1.96	1.95		ug/L		98	70 - 130
Butachlor	<0.049		1.96	2.16		ug/L		110	70 - 130
Butylbenzylphthalate	<0.49		1.96	2.16		ug/L		110	70 - 130
Chlorobenzilate	<0.097		1.96	2.12		ug/L		108	70 - 130

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

Lab Sample ID: 380-239030-1 MS
Matrix: Water
Analysis Batch: 256021

Client Sample ID: Ka'amilo Wells P1 (331-031-WL008)
Prep Type: Total/NA
Prep Batch: 255853

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroneb	<0.097		1.96	2.14		ug/L		110	70 - 130
Chlorothalonil (Draconil, Bravo)	<0.097		1.96	2.10		ug/L		107	70 - 130
Chlorpyrifos	<0.049		1.96	2.08		ug/L		106	70 - 130
Chrysene	<0.019		1.96	2.24		ug/L		114	70 - 130
delta-BHC	<0.097		1.96	2.13		ug/L		109	70 - 130
Di(2-ethylhexyl)adipate	<0.58		1.96	1.82		ug/L		93	70 - 130
Dibenz(a,h)anthracene	<0.049		1.96	1.84		ug/L		94	70 - 130
Diclorvos (DDVP)	<0.049		1.96	2.03		ug/L		104	70 - 130
Dieldrin	0.070		1.96	2.09		ug/L		103	70 - 130
Diethylphthalate	<0.49		1.96	2.15		ug/L		110	70 - 130
Dimethylphthalate	<0.49		1.96	2.11		ug/L		108	70 - 130
Di-n-butyl phthalate	<0.97		3.91	4.15		ug/L		106	70 - 130
Di-n-octyl phthalate	<0.097		1.96	1.69		ug/L		86	70 - 130
Endosulfan I (Alpha)	<0.097		1.96	2.11		ug/L		108	70 - 130
Endosulfan II (Beta)	<0.097		1.96	2.07		ug/L		106	70 - 130
Endosulfan sulfate	<0.097		1.96	1.99		ug/L		102	70 - 130
Endrin	<0.0097		1.96	2.12		ug/L		108	70 - 130
Endrin aldehyde	<0.097		1.96	2.01		ug/L		103	60 - 130
EPTC	<0.097		1.96	2.03		ug/L		104	70 - 130
Fluoranthene	<0.097		1.96	2.12		ug/L		109	70 - 130
Fluorene	<0.049		1.96	2.10		ug/L		108	70 - 130
gamma-Chlordane	<0.049		1.96	2.10		ug/L		106	70 - 130
Heptachlor	<0.0097		1.96	1.97		ug/L		101	70 - 130
Heptachlor epoxide (isomer B)	0.013		1.96	2.05		ug/L		104	70 - 130
Hexachlorobenzene	<0.049		1.96	1.92		ug/L		98	70 - 130
Hexachlorocyclopentadiene	<0.049		1.96	1.97		ug/L		101	70 - 130
Indeno[1,2,3-cd]pyrene	<0.049		1.96	1.93		ug/L		99	70 - 130
Isophorone	<0.097		1.96	1.95		ug/L		100	70 - 130
Lindane	<0.0097		1.96	2.10		ug/L		107	70 - 130
Malathion	<0.097		1.96	2.09		ug/L		107	70 - 130
Methoxychlor	<0.049		1.96	2.36		ug/L		121	70 - 130
Metolachlor	<0.049		1.96	2.13		ug/L		109	70 - 130
Molinate	<0.097		1.96	2.10		ug/L		108	70 - 130
Naphthalene	<0.097		1.96	1.99		ug/L		102	70 - 130
Parathion	<0.097		1.96	2.11		ug/L		108	70 - 130
Pendimethalin (Penoxaline)	<0.097		1.96	2.05		ug/L		105	70 - 130
Phenanthrene	<0.039		1.96	2.09		ug/L		107	70 - 130
Propachlor	<0.049		1.96	2.16		ug/L		110	70 - 130
Pyrene	<0.049		1.96	2.12		ug/L		108	70 - 130
Simazine	<0.049		1.96	2.11		ug/L		108	70 - 130
Terbacil	<0.097		1.96	2.02		ug/L		103	70 - 130
Terbuthylazine	<0.097		1.96	2.18		ug/L		112	70 - 130
Thiobencarb	<0.097		1.96	2.12		ug/L		108	70 - 130
trans-Nonachlor	<0.049		1.96	1.97		ug/L		100	70 - 130
Trifluralin	<0.097		1.96	1.95		ug/L		100	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Nitro-m-xylene	*97*		*70 - 130*

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

Lab Sample ID: 380-239030-1 MS
Matrix: Water
Analysis Batch: 256021

Client Sample ID: Ka'amilo Wells P1 (331-031-WL008)
Prep Type: Total/NA
Prep Batch: 255853

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Perylene-d12	*90*		*70 - 130*
Triphenylphosphate	*102*		*70 - 130*

Lab Sample ID: 380-239031-I-1-A DU
Matrix: Water
Analysis Batch: 256021

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 255853

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1-Methylnaphthalene	<0.098			<0.098		ug/L				NC	20
2,4'-DDD	<0.098			<0.098		ug/L				NC	20
2,4'-DDE	<0.098			<0.098		ug/L				NC	20
2,4'-DDT	<0.098			<0.098		ug/L				NC	20
2,4-Dinitrotoluene	<0.098			<0.098		ug/L				NC	20
2,6-Dinitrotoluene	<0.098			<0.098		ug/L				NC	20
2-Methylnaphthalene	<0.098			<0.098		ug/L				NC	20
4,4'-DDD	<0.098			<0.098		ug/L				NC	20
4,4'-DDE	<0.098			<0.098		ug/L				NC	20
4,4'-DDT	<0.098			<0.098		ug/L				NC	20
Acenaphthene	<0.098			<0.098		ug/L				NC	20
Acenaphthylene	<0.098			<0.098		ug/L				NC	20
Acetochlor	<0.098			<0.098		ug/L				NC	20
Alachlor	<0.049			<0.049		ug/L				NC	20
alpha-BHC	<0.098			<0.098		ug/L				NC	20
alpha-Chlordane	<0.049			<0.049		ug/L				NC	20
Anthracene	<0.020			<0.020		ug/L				NC	20
Atrazine	<0.049			<0.049		ug/L				NC	20
Benz(a)anthracene	<0.049			<0.049		ug/L				NC	20
Benzo[a]pyrene	<0.020			<0.020		ug/L				NC	20
Benzo[b]fluoranthene	<0.020			<0.020		ug/L				NC	20
Benzo[g,h,i]perylene	<0.049			<0.049		ug/L				NC	20
Benzo[k]fluoranthene	<0.020			<0.020		ug/L				NC	20
beta-BHC	<0.098			<0.098		ug/L				NC	20
Bis(2-ethylhexyl) phthalate	<0.59			<0.59		ug/L				NC	20
Bromacil	<0.098			<0.098		ug/L				NC	20
Butachlor	<0.049			<0.049		ug/L				NC	20
Butylbenzylphthalate	<0.49			<0.49		ug/L				NC	20
Chlorobenzilate	<0.098			<0.098		ug/L				NC	20
Chloroneb	<0.098			<0.098		ug/L				NC	20
Chlorothalonil (Draconil, Bravo)	<0.098			<0.098		ug/L				NC	20
Chlorpyrifos	<0.049			<0.049		ug/L				NC	20
Chrysene	<0.020			<0.020		ug/L				NC	20
delta-BHC	<0.098			<0.098		ug/L				NC	20
Di(2-ethylhexyl)adipate	<0.59			<0.59		ug/L				NC	20
Dibenz(a,h)anthracene	<0.049			<0.049		ug/L				NC	20
Diclorvos (DDVP)	<0.049			<0.049		ug/L				NC	20
Dieldrin	0.062			0.0666		ug/L				7	20
Diethylphthalate	<0.49			<0.49		ug/L				NC	20
Dimethylphthalate	<0.49			<0.49		ug/L				NC	20

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

Lab Sample ID: 380-239031-I-1-A DU
Matrix: Water
Analysis Batch: 256021

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 255853

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Di-n-butyl phthalate	<0.98			<0.98		ug/L				NC	20
Di-n-octyl phthalate	<0.098			<0.098		ug/L				NC	20
Endosulfan I (Alpha)	<0.098			<0.098		ug/L				NC	20
Endosulfan II (Beta)	<0.098			<0.098		ug/L				NC	20
Endosulfan sulfate	<0.098			<0.098		ug/L				NC	20
Endrin	<0.0098			<0.0098		ug/L				NC	20
Endrin aldehyde	<0.098			<0.098		ug/L				NC	20
EPTC	<0.098			<0.098		ug/L				NC	20
Fluoranthene	<0.098			<0.098		ug/L				NC	20
Fluorene	<0.049			<0.049		ug/L				NC	20
gamma-Chlordane	<0.049			<0.049		ug/L				NC	20
Heptachlor	<0.0098			<0.0098		ug/L				NC	20
Heptachlor epoxide (isomer B)	0.011			0.0119		ug/L				9	20
Hexachlorobenzene	<0.049			<0.049		ug/L				NC	20
Hexachlorocyclopentadiene	<0.049			<0.049		ug/L				NC	20
Indeno[1,2,3-cd]pyrene	<0.049			<0.049		ug/L				NC	20
Isophorone	<0.098			<0.098		ug/L				NC	20
Lindane	<0.0098			<0.0098		ug/L				NC	20
Malathion	<0.098			<0.098		ug/L				NC	20
Methoxychlor	<0.049			<0.049		ug/L				NC	20
Metolachlor	<0.049			<0.049		ug/L				NC	20
Molinate	<0.098			<0.098		ug/L				NC	20
Naphthalene	<0.098			<0.098		ug/L				NC	20
Parathion	<0.098			<0.098		ug/L				NC	20
Pendimethalin (Penoxaline)	<0.098			<0.098		ug/L				NC	20
Phenanthrene	<0.039			<0.039		ug/L				NC	20
Propachlor	<0.049			<0.049		ug/L				NC	20
Pyrene	<0.049			<0.049		ug/L				NC	20
Simazine	<0.049			<0.049		ug/L				NC	20
Terbacil	<0.098			<0.098		ug/L				NC	20
Terbuthylazine	<0.098			<0.098		ug/L				NC	20
Thiobencarb	<0.098			<0.098		ug/L				NC	20
Total Permethrin (mixed isomers)	<0.20			<0.20		ug/L				NC	20
trans-Nonachlor	<0.049			<0.049		ug/L				NC	20
Trifluralin	<0.098			<0.098		ug/L				NC	20

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
2-Nitro-m-xylene	*98*		*70 - 130*
Perylene-d12	*94*		*70 - 130*
Triphenylphosphate	*99*		*70 - 130*

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

Lab Sample ID: MB 570-809766/1-A
Matrix: Water
Analysis Batch: 811638

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 809766

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A	10/03/26 07:30	10/07/26 10:59	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	82		33 - 139	10/03/26 07:30	10/07/26 10:59	1
2-Fluorobiphenyl (Surr)	85		33 - 126	10/03/26 07:30	10/07/26 10:59	1
2-Fluorophenol (Surr)	57		12 - 120	10/03/26 07:30	10/07/26 10:59	1
Nitrobenzene-d5 (Surr)	94		36 - 120	10/03/26 07:30	10/07/26 10:59	1
Phenol-d6 (Surr)	38		10 - 120	10/03/26 07:30	10/07/26 10:59	1
p-Terphenyl-d14 (Surr)	88		47 - 131	10/03/26 07:30	10/07/26 10:59	1

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

Lab Sample ID: MB 570-809766/1-A
Matrix: Water
Analysis Batch: 811118

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 809766

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.20		0.20		ug/L		10/03/26 07:30	10/06/26 16:43	1
2-Methylnaphthalene	<0.20		0.20		ug/L		10/03/26 07:30	10/06/26 16:43	1
Acenaphthene	<0.20		0.20		ug/L		10/03/26 07:30	10/06/26 16:43	1
Acenaphthylene	<0.20		0.20		ug/L		10/03/26 07:30	10/06/26 16:43	1
Anthracene	<0.20		0.20		ug/L		10/03/26 07:30	10/06/26 16:43	1
Benzo[a]anthracene	<0.20		0.20		ug/L		10/03/26 07:30	10/06/26 16:43	1
Benzo[a]pyrene	<0.20		0.20		ug/L		10/03/26 07:30	10/06/26 16:43	1
Benzo[b]fluoranthene	<0.20		0.20		ug/L		10/03/26 07:30	10/06/26 16:43	1
Benzo[g,h,i]perylene	<0.20		0.20		ug/L		10/03/26 07:30	10/06/26 16:43	1
Benzo[k]fluoranthene	<0.20		0.20		ug/L		10/03/26 07:30	10/06/26 16:43	1
Chrysene	<0.20		0.20		ug/L		10/03/26 07:30	10/06/26 16:43	1
Dibenz(a,h)anthracene	<0.20		0.20		ug/L		10/03/26 07:30	10/06/26 16:43	1
Fluoranthene	<0.20		0.20		ug/L		10/03/26 07:30	10/06/26 16:43	1
Fluorene	<0.20		0.20		ug/L		10/03/26 07:30	10/06/26 16:43	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20		ug/L		10/03/26 07:30	10/06/26 16:43	1
Naphthalene	<0.20		0.20		ug/L		10/03/26 07:30	10/06/26 16:43	1
Phenanthrene	<0.20		0.20		ug/L		10/03/26 07:30	10/06/26 16:43	1
Pyrene	<0.20		0.20		ug/L		10/03/26 07:30	10/06/26 16:43	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	102		28 - 127	10/03/26 07:30	10/06/26 16:43	1
2-Fluorobiphenyl (Surr)	90		31 - 120	10/03/26 07:30	10/06/26 16:43	1
2-Fluorophenol (Surr)	62		17 - 120	10/03/26 07:30	10/06/26 16:43	1
Nitrobenzene-d5 (Surr)	94		27 - 120	10/03/26 07:30	10/06/26 16:43	1
Phenol-d6 (Surr)	37		10 - 120	10/03/26 07:30	10/06/26 16:43	1
p-Terphenyl-d14 (Surr)	88		45 - 120	10/03/26 07:30	10/06/26 16:43	1

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

Lab Sample ID: LCS 570-809766/2-A
Matrix: Water
Analysis Batch: 811118

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 809766

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	20.0	11.9		ug/L		59	47 - 120
2-Methylnaphthalene	20.0	12.4		ug/L		62	43 - 120
Acenaphthene	20.0	16.8		ug/L		84	60 - 132
Acenaphthylene	20.0	17.7		ug/L		89	54 - 126
Anthracene	20.0	17.9		ug/L		89	43 - 120
Benzo[a]anthracene	20.0	19.5		ug/L		98	42 - 133
Benzo[a]pyrene	20.0	22.7		ug/L		114	32 - 148
Benzo[b]fluoranthene	20.0	20.3		ug/L		102	42 - 140
Benzo[g,h,i]perylene	20.0	18.7		ug/L		94	1 - 195
Benzo[k]fluoranthene	20.0	19.8		ug/L		99	25 - 146
Chrysene	20.0	18.3		ug/L		92	44 - 140
Dibenz(a,h)anthracene	20.0	18.8		ug/L		94	1 - 200
Fluoranthene	20.0	18.2		ug/L		91	43 - 121
Fluorene	20.0	17.9		ug/L		90	70 - 120
Indeno[1,2,3-cd]pyrene	20.0	19.4		ug/L		97	1 - 151
Naphthalene	20.0	11.6		ug/L		58	36 - 120
Phenanthrene	20.0	18.1		ug/L		90	65 - 120
Pyrene	20.0	19.9		ug/L		99	70 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*95*		*28 - 127*
2-Fluorobiphenyl (Surr)	*93*		*31 - 120*
2-Fluorophenol (Surr)	*73*		*17 - 120*
Nitrobenzene-d5 (Surr)	*69*		*27 - 120*
Phenol-d6 (Surr)	*46*		*10 - 120*
p-Terphenyl-d14 (Surr)	*107*		*45 - 120*

Lab Sample ID: LCSD 570-809766/3-A
Matrix: Water
Analysis Batch: 811118

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 809766

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	20.0	12.0		ug/L		60	47 - 120	1	20
2-Methylnaphthalene	20.0	12.3		ug/L		62	43 - 120	1	20
Acenaphthene	20.0	17.2		ug/L		86	60 - 132	3	29
Acenaphthylene	20.0	18.2		ug/L		91	54 - 126	2	45
Anthracene	20.0	18.5		ug/L		93	43 - 120	4	40
Benzo[a]anthracene	20.0	20.0		ug/L		100	42 - 133	3	32
Benzo[a]pyrene	20.0	23.6		ug/L		118	32 - 148	4	43
Benzo[b]fluoranthene	20.0	21.2		ug/L		106	42 - 140	4	43
Benzo[g,h,i]perylene	20.0	19.7		ug/L		98	1 - 195	5	61
Benzo[k]fluoranthene	20.0	20.9		ug/L		104	25 - 146	5	38
Chrysene	20.0	18.9		ug/L		94	44 - 140	3	53
Dibenz(a,h)anthracene	20.0	19.5		ug/L		97	1 - 200	3	75
Fluoranthene	20.0	18.8		ug/L		94	43 - 121	3	40
Fluorene	20.0	18.5		ug/L		92	70 - 120	3	23
Indeno[1,2,3-cd]pyrene	20.0	20.3		ug/L		101	1 - 151	5	60
Naphthalene	20.0	11.8		ug/L		59	36 - 120	1	39

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

Lab Sample ID: LCSD 570-809766/3-A
Matrix: Water
Analysis Batch: 811118

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 809766

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phenanthrene			20.0	18.7		ug/L		94	65 - 120	4	24
Pyrene			20.0	19.7		ug/L		99	70 - 120	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*93*		*28 - 127*
2-Fluorobiphenyl (Surr)	*93*		*31 - 120*
2-Fluorophenol (Surr)	*72*		*17 120*
Nitrobenzene-d5 (Surr)	*68*		*27 - 120*
Phenol-d6 (Surr)	*46*		*10 - 120*
p-Terphenyl-d14 (Surr)	*108*		*45 - 120*

Lab Sample ID: 380-238986-A-1-A MS
Matrix: Water
Analysis Batch: 811118

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 809766

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.19		19.3	12.2		ug/L		63	36 - 120
2-Methylnaphthalene	<0.19		19.3	12.7		ug/L		66	32 - 124
Acenaphthene	<0.19		19.3	17.3		ug/L		89	47 - 145
Acenaphthylene	<0.19		19.3	18.0		ug/L		93	33 - 145
Anthracene	<0.19		19.3	18.4		ug/L		95	27 - 133
Benzo[a]anthracene	<0.19		19.3	20.3		ug/L		105	33 - 143
Benzo[a]pyrene	<0.19		19.3	23.5		ug/L		122	17 - 163
Benzo[b]fluoranthene	<0.19		19.3	21.1		ug/L		109	24 - 159
Benzo[g,h,i]perylene	<0.19		19.3	19.1		ug/L		99	1 - 219
Benzo[k]fluoranthene	<0.19		19.3	20.5		ug/L		106	11 - 162
Chrysene	<0.19		19.3	19.0		ug/L		99	17 - 168
Dibenz(a,h)anthracene	<0.19		19.3	19.2		ug/L		100	1 - 227
Fluoranthene	<0.19		19.3	18.4		ug/L		95	26 - 137
Fluorene	<0.19		19.3	18.5		ug/L		96	59 - 121
Indeno[1,2,3-cd]pyrene	<0.19		19.3	19.8		ug/L		103	1 - 171
Naphthalene	<0.19		19.3	11.9		ug/L		62	21 - 133
Phenanthrene	<0.19		19.3	18.5		ug/L		96	54 - 120
Pyrene	<0.19		19.3	20.6		ug/L		107	52 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*94*		*28 - 127*
2-Fluorobiphenyl (Surr)	*95*		*31 - 120*
2-Fluorophenol (Surr)	*73*		*17 - 120*
Nitrobenzene-d5 (Surr)	*70*		*27 - 120*
Phenol-d6 (Surr)	*46*		*10 - 120*
p-Terphenyl-d14 (Surr)	*110*		*45 - 120*

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

Lab Sample ID: 380-238986-A-1-B MSD
Matrix: Water
Analysis Batch: 811118

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 809766

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	<0.19		19.4	11.8		ug/L		61	36 - 120	3	30
2-Methylnaphthalene	<0.19		19.4	12.3		ug/L		64	32 - 124	3	30
Acenaphthene	<0.19		19.4	16.5		ug/L		85	47 - 145	4	48
Acenaphthylene	<0.19		19.4	17.1		ug/L		88	33 - 145	5	74
Anthracene	<0.19		19.4	17.4		ug/L		90	27 - 133	6	66
Benzo[a]anthracene	<0.19		19.4	19.3		ug/L		100	33 - 143	5	53
Benzo[a]pyrene	<0.19		19.4	22.1		ug/L		114	17 - 163	6	72
Benzo[b]fluoranthene	<0.19		19.4	20.2		ug/L		104	24 - 159	4	71
Benzo[g,h,i]perylene	<0.19		19.4	18.5		ug/L		95	1 - 219	3	97
Benzo[k]fluoranthene	<0.19		19.4	19.0		ug/L		98	11 - 162	7	63
Chrysene	<0.19		19.4	17.8		ug/L		92	17 - 168	6	87
Dibenz(a,h)anthracene	<0.19		19.4	18.3		ug/L		94	1 - 227	5	126
Fluoranthene	<0.19		19.4	17.6		ug/L		91	26 - 137	4	66
Fluorene	<0.19		19.4	17.6		ug/L		91	59 - 121	5	38
Indeno[1,2,3-cd]pyrene	<0.19		19.4	19.2		ug/L		99	1 - 171	3	99
Naphthalene	<0.19		19.4	11.5		ug/L		59	21 - 133	3	65
Phenanthrene	<0.19		19.4	17.5		ug/L		90	54 - 120	5	39
Pyrene	<0.19		19.4	19.5		ug/L		101	52 - 120	5	49

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*86*		*28 - 127*
2-Fluorobiphenyl (Surr)	*89*		*31 - 120*
2-Fluorophenol (Surr)	*68*		*17 - 120*
Nitrobenzene-d5 (Surr)	*66*		*27 - 120*
Phenol-d6 (Surr)	*42*		*10 - 120*
p-Terphenyl-d14 (Surr)	*105*		*45 - 120*

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

Lab Sample ID: MB 570-809982/6
Matrix: Water
Analysis Batch: 809982

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			10/04/26 11:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*38 - 134*		*10/04/26 11:46*	*1*

Lab Sample ID: LCS 570-809982/3
Matrix: Water
Analysis Batch: 809982

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	416		ug/L		104	78 - 120		

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

Lab Sample ID: LCS 570-809982/3
Matrix: Water
Analysis Batch: 809982

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

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*38 - 134*

Lab Sample ID: LCSD 570-809982/4
Matrix: Water
Analysis Batch: 809982

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	386		ug/L		97	78 - 120	7	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*38 - 134*

Lab Sample ID: MRL 570-809982/7
Matrix: Water
Analysis Batch: 809982

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	12.4		ug/L		124	50 - 150		

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*89*		*38 - 134*

Lab Sample ID: 380-238986-B-1 MS
Matrix: Water
Analysis Batch: 809982

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	359		ug/L		90	68 - 122		

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

Lab Sample ID: 380-238986-B-1 MSD
Matrix: Water
Analysis Batch: 809982

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	371		ug/L		93	68 - 122	3	18

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

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

Lab Sample ID: MB 570-810072/1-A
Matrix: Water
Analysis Batch: 813492

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 810072

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<25		25		ug/L		10/04/26 15:27	10/10/26 15:38	1
Motor Oil Range Organics [C24-C36]	<25		25		ug/L		10/04/26 15:27	10/10/26 15:38	1
C8-C18	<25		25		ug/L		10/04/26 15:27	10/10/26 15:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*102*		*60 - 130*	*10/04/26 15:27*	*10/10/26 15:38*	*1*

Lab Sample ID: LCS 570-810072/2-A
Matrix: Water
Analysis Batch: 813492

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 810072

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28			1600	901		ug/L		56	56 - 127		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane (Surr)	*73*		*60 - 130*

Lab Sample ID: LCSD 570-810072/3-A
Matrix: Water
Analysis Batch: 813492

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 810072

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28			1600	1190	*1	ug/L		74	56 - 127	27	23

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
n-Octacosane (Surr)	*97*		*60 - 130*

Lab Sample ID: MRL 570-810072/4-A
Matrix: Water
Analysis Batch: 813492

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 810072

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28			0.0200	0.0310	^3+	mg/L		155	50 - 150		

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
n-Octacosane (Surr)	*99*		*60 - 130*

Lab Sample ID: 380-238986-C-1-A MS
Matrix: Water
Analysis Batch: 813492

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 810072

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28	<26	^3+ F1 *1 F2	1660	905	F1	ug/L		55	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
n-Octacosane (Surr)	*66*		*60 - 130*

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

Lab Sample ID: 380-238986-C-1-B MSD
Matrix: Water
Analysis Batch: 813492

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 810072

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28	<26	^3+ F1 *1 F2	1630	1300	F2	ug/L		79	70 - 130	36	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
n-Octacosane (Surr)	*97*		*60 - 130*

GC/MS Semi VOA

Prep Batch: 255853

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-239030-1	Ka'amilo Wells P1 (331-031-WL008)	Total/NA	Water	525.2	
MB 380-255853/21-A	Method Blank	Total/NA	Water	525.2	
LCS 380-255853/23-A	Lab Control Sample	Total/NA	Water	525.2	
MRL 380-255853/22-A	Lab Control Sample	Total/NA	Water	525.2	
380-239030-1 MS	Ka'amilo Wells P1 (331-031-WL008)	Total/NA	Water	525.2	
380-239031-I-1-A DU	Duplicate	Total/NA	Water	525.2	

Analysis Batch: 256021

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-239030-1	Ka'amilo Wells P1 (331-031-WL008)	Total/NA	Water	525.2	255853
MB 380-255853/21-A	Method Blank	Total/NA	Water	525.2	255853
LCS 380-255853/23-A	Lab Control Sample	Total/NA	Water	525.2	255853
MRL 380-255853/22-A	Lab Control Sample	Total/NA	Water	525.2	255853
380-239030-1 MS	Ka'amilo Wells P1 (331-031-WL008)	Total/NA	Water	525.2	255853
380-239031-I-1-A DU	Duplicate	Total/NA	Water	525.2	255853

Prep Batch: 809766

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-239030-1	Ka'amilo Wells P1 (331-031-WL008)	Total/NA	Water	625.1	
MB 570-809766/1-A	Method Blank	Total/NA	Water	625.1	
LCS 570-809766/2-A	Lab Control Sample	Total/NA	Water	625.1	
LCSD 570-809766/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	
380-238986-A-1-A MS	Matrix Spike	Total/NA	Water	625.1	
380-238986-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	625.1	

Analysis Batch: 811118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-239030-1	Ka'amilo Wells P1 (331-031-WL008)	Total/NA	Water	625.1 SIM	809766
MB 570-809766/1-A	Method Blank	Total/NA	Water	625.1 SIM	809766
LCS 570-809766/2-A	Lab Control Sample	Total/NA	Water	625.1 SIM	809766
LCSD 570-809766/3-A	Lab Control Sample Dup	Total/NA	Water	625.1 SIM	809766
380-238986-A-1-A MS	Matrix Spike	Total/NA	Water	625.1 SIM	809766
380-238986-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	625.1 SIM	809766

Analysis Batch: 811638

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-239030-1	Ka'amilo Wells P1 (331-031-WL008)	Total/NA	Water	625.1	809766
MB 570-809766/1-A	Method Blank	Total/NA	Water	625.1	809766

GC VOA

Analysis Batch: 809982

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-239030-1	Ka'amilo Wells P1 (331-031-WL008)	Total/NA	Water	8015B GRO LL	
380-239030-2	TB: Ka'amilo Wells P1 (331-031-WL008)	Total/NA	Water	8015B GRO LL	
MB 570-809982/6	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-809982/3	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-809982/4	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-809982/7	Lab Control Sample	Total/NA	Water	8015B GRO LL	
380-238986-B-1 MS	Matrix Spike	Total/NA	Water	8015B GRO LL	
380-238986-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B GRO LL	

QC Association Summary

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

Job ID: 380-239030-1
SDG: Weekly: Ka'amilo Wells P1

GC Semi VOA

Prep Batch: 810072

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-239030-1	Ka'amilo Wells P1 (331-031-WL008)	Total/NA	Water	3510C	
MB 570-810072/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-810072/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-810072/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MRL 570-810072/4-A	Lab Control Sample	Total/NA	Water	3510C	
380-238986-C-1-A MS	Matrix Spike	Total/NA	Water	3510C	
380-238986-C-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	

Analysis Batch: 813492

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-239030-1	Ka'amilo Wells P1 (331-031-WL008)	Total/NA	Water	8015B	810072
MB 570-810072/1-A	Method Blank	Total/NA	Water	8015B	810072
LCS 570-810072/2-A	Lab Control Sample	Total/NA	Water	8015B	810072
LCSD 570-810072/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	810072
MRL 570-810072/4-A	Lab Control Sample	Total/NA	Water	8015B	810072
380-238986-C-1-A MS	Matrix Spike	Total/NA	Water	8015B	810072
380-238986-C-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	8015B	810072

Lab Chronicle

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

Job ID: 380-239030-1
SDG: Weekly: Ka'amilo Wells P1

Client Sample ID: Ka'amilo Wells P1 (331-031-WL008)

Lab Sample ID: 380-239030-1

Date Collected: 09/28/26 11:39
Matrix: Water
Date Received: 09/30/26 09:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			255853	IQ42	EA POM	10/01/26 15:00
Total/NA	Analysis	525.2		1	256021	UPAC	EA POM	10/02/26 12:31
Total/NA	Prep	625.1			809766	KLZQ	EET CAL 4	10/03/26 07:30
Total/NA	Analysis	625.1		1	811638	PQS1	EET CAL 4	10/07/26 12:50
Total/NA	Prep	625.1			809766	KLZQ	EET CAL 4	10/03/26 07:30
Total/NA	Analysis	625.1 SIM		1	811118	S4EA	EET CAL 4	10/06/26 21:09
Total/NA	Analysis	8015B GRO LL		1	809982	W4LC	EET CAL 4	10/04/26 14:17
Total/NA	Prep	3510C			810072	ATRL	EET CAL 4	10/04/26 15:27
Total/NA	Analysis	8015B		1	813492	H6FE	EET CAL 4	10/10/26 17:04

Client Sample ID: TB: Ka'amilo Wells P1 (331-031-WL008)

Lab Sample ID: 380-239030-2

Date Collected: 09/28/26 11:39
Matrix: Water
Date Received: 09/30/26 09:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015B GRO LL		1	809982	W4LC	EET CAL 4	10/04/26 19:03

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: 380-239030-1
SDG: Weekly: Ka'amilo Wells P1

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	01-31-27

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	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	03-02-27
Arizona	State	AZ0830	11-16-26
California	Los Angeles County Sanitation Districts	9257304	07-31-28
California	SCAQMD LAP	17LA0919	11-30-26

Accreditation/Certification Summary

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

Job ID: 380-239030-1
SDG: Weekly: Ka'amilo Wells P1

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	07-31-28
Kansas	NELAP	E-10420	07-31-27
Nevada	State	CA00111	07-31-27
Oregon	NELAP	4175	02-02-27
Texas	NELAP	T104704499	07-31-27
USDA	US Federal Programs	525-23-159-97150	01-01-27
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: 380-239030-1
SDG: Weekly: Ka'amilo Wells P1

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: 380-239030-1
SDG: Weekly: Ka'amilo Wells P1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
380-239030-1	Ka'amilo Wells P1 (331-031-WL008)	Water	09/28/26 11:39	09/30/26 09:21	Hawaii
380-239030-2	TB: Ka'amilo Wells P1 (331-031-WL008)	Water	09/28/26 11:39	09/30/26 09:21	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: Mr Kirk Iwamoto	Phone: +1 808 748 5840	E-Mail: Maria.Lopez@et.eurofinsus.com	State of Origin:	Page:
Company: City & County of Honolulu	PWSID:			Job #:
Address: 630 South Beretania Street Chemistry Lab	Due Date Requested:			
City: Honolulu	TAT Requested (days):			
State, Zip: HI, 96843	Compliance Project: Δ Yes Δ No			
Phone: 808-748-5840 (Tel)	PO #: C20525101 exp 05312023			
Email: kiwamoto@hbws.org	WO #:			
Project Name: RED-HILL/HBWS Sites Event Desc: RUSH Weekly Red Hill	Project #: 38001111			
Site: Hawaii	SSOW#:			

Analysis Requested

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

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=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_C8 - HNL Ranges: C10-C24/C24-C36/C8-C18	625.2_PREC - (MOD) 625plus 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				
Ka'amilo Wells P1 (331-031-WL008)	28-Sep-2026	1139	G	Water			2	3	2	2				
Ka'amilo Wells Pump 1 (Matrix Spike)				Water										
Ka'amilo Wells Pump 1 (Matrix Spike Duplicate)				Water										
TB: Ka'amilo Wells P1 (331-031-WL008)	28-Sep-2026	1139		Water				2						

380-239030 COC

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

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

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

Special Instructions/QC Requirements.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment: FedEx
[redacted]	Date/Time: 28Sep2026 1400	Company: HBWS	Received by: Mark Kuroda	Date/Time: 9/30/26 921	Company: EAP
	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: (633A) 2.1+0.2=2.3 gel-frozen

Ver: 04/02/2024

10/12/2026

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

Chain of Custody Record

eurofins | Env

Loc: 380
239030

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Lopez, Maria	Carrier Tracking No(s): N/A	COC No: 380-387534.1
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 #: 380-239030-1
Address: 2841 Dow Avenue, Suite 100,	Due Date Requested: 10/12/2026			
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			

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/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:									
Ka'amilo Wells P1 (331-031-WL008) (380-239030-1)	9/28/26	11:39 Hawaiian	G	Water			X	X	X	X	7	MRLs are needed. Confirm any hits >RL.
TB: Ka'amilo Wells P1 (331-031-WL008) (380-239030-2)	9/28/26	11:39 Hawaiian	G	Water				X			2	MRLs are needed. Confirm any hits >RL.

380-239030 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
Mark Uruttia	9/30/26 1950	ETAP	Manuel Garcia	9/30/26 1550	WWY
Manuel Garcia	9/30/26 1730	WWY		9/30/26 1730	TZE
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: 1.6/2.1 IR9

Ver: 08/18/2026

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-239030-1
SDG Number: Weekly: Ka'amilo Wells P1

Login Number: 239030
List Number: 1
Creator: Ngo, Theodore

List Source: Eurofins Pomona

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

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-239030-1
SDG Number: Weekly: Ka'amilo Wells P1

Login Number: 239030
List Number: 2
Creator: Khana, Piyush

List Source: Eurofins Calscience
List Creation: 10/01/26 03:29 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	2.1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	