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ANALYTICAL REPORT

PREPARED FOR

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

Generated 3/23/2026 5:00:19 PM

JOB DESCRIPTION

RED-HILL
Weekly: Ka'amilo Wells Pump 2

JOB NUMBER

380-201167-1

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: 380-201167-1
SDG: Weekly: Ka'amilo Wells Pump 2

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
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.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
380-201167-1

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 3/4/2026 10:01 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 2.0°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 570-704786 and analytical batch 570-706200 recovered outside control limits for the following analytes: C10-C28.
Laboratory control sample / laboratory control sample duplicate (LCS/LCSD) percent recovery is in control for affected analytes.

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: 380-201167-1
SDG: Weekly: Ka'amilo Wells Pump 2

Client Sample ID: Ka'amilo Wells Pump 2 (331-600-WL085) — Lab Sample ID: 380-201167-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Dieldrin	0.077		0.0099		ug/L	1		525.2	Total/NA
Heptachlor epoxide (isomer B)	0.015		0.0099		ug/L	1		525.2	Total/NA

Client Sample ID: TB: Ka'amilo Wells Pump 2 (331-600-WL085) — Lab Sample ID: 380-201167-2

No Detections.

This Detection Summary does not include radiochemical test results.

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

Job ID: 380-201167-1
SDG: Weekly: Ka'amilo Wells Pump 2

Client Sample ID: Ka'amilo Wells Pump 2 (331-600-WL085)
Date Collected: 03/02/26 13:10
Date Received: 03/04/26 10:01

Lab Sample ID: 380-201167-1
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.099		0.099		ug/L		03/06/26 13:54	03/09/26 09:26	1
2,4'-DDD	<0.099		0.099		ug/L		03/06/26 13:54	03/09/26 09:26	1
2,4'-DDE	<0.099		0.099		ug/L		03/06/26 13:54	03/09/26 09:26	1
2,4'-DDT	<0.099		0.099		ug/L		03/06/26 13:54	03/09/26 09:26	1
2,4-Dinitrotoluene	<0.099		0.099		ug/L		03/06/26 13:54	03/09/26 09:26	1
2,6-Dinitrotoluene	<0.099		0.099		ug/L		03/06/26 13:54	03/09/26 09:26	1
2-Methylnaphthalene	<0.099		0.099		ug/L		03/06/26 13:54	03/09/26 09:26	1
4,4'-DDD	<0.099		0.099		ug/L		03/06/26 13:54	03/09/26 09:26	1
4,4'-DDE	<0.099		0.099		ug/L		03/06/26 13:54	03/09/26 09:26	1
4,4'-DDT	<0.099		0.099		ug/L		03/06/26 13:54	03/09/26 09:26	1
Acenaphthene	<0.099		0.099		ug/L		03/06/26 13:54	03/09/26 09:26	1
Acenaphthylene	<0.099		0.099		ug/L		03/06/26 13:54	03/09/26 09:26	1
Acetochlor	<0.099		0.099		ug/L		03/06/26 13:54	03/09/26 09:26	1
Alachlor	<0.049		0.049		ug/L		03/06/26 13:54	03/09/26 09:26	1
alpha-BHC	<0.099		0.099		ug/L		03/06/26 13:54	03/09/26 09:26	1
alpha-Chlordane	<0.049		0.049		ug/L		03/06/26 13:54	03/09/26 09:26	1
Anthracene	<0.020		0.020		ug/L		03/06/26 13:54	03/09/26 09:26	1
Atrazine	<0.049		0.049		ug/L		03/06/26 13:54	03/09/26 09:26	1
Benz(a)anthracene	<0.049		0.049		ug/L		03/06/26 13:54	03/09/26 09:26	1
Benzo[a]pyrene	<0.020		0.020		ug/L		03/06/26 13:54	03/09/26 09:26	1
Benzo[b]fluoranthene	<0.020		0.020		ug/L		03/06/26 13:54	03/09/26 09:26	1
Benzo[g,h,i]perylene	<0.049		0.049		ug/L		03/06/26 13:54	03/09/26 09:26	1
Benzo[k]fluoranthene	<0.020		0.020		ug/L		03/06/26 13:54	03/09/26 09:26	1
beta-BHC	<0.099		0.099		ug/L		03/06/26 13:54	03/09/26 09:26	1
Bis(2-ethylhexyl) phthalate	<0.59	*+	0.59		ug/L		03/06/26 13:54	03/09/26 09:26	1
Bromacil	<0.099		0.099		ug/L		03/06/26 13:54	03/09/26 09:26	1
Butachlor	<0.049		0.049		ug/L		03/06/26 13:54	03/09/26 09:26	1
Butylbenzylphthalate	<0.49		0.49		ug/L		03/06/26 13:54	03/09/26 09:26	1
Chlorobenzilate	<0.099		0.099		ug/L		03/06/26 13:54	03/09/26 09:26	1
Chloroneb	<0.099		0.099		ug/L		03/06/26 13:54	03/09/26 09:26	1
Chlorothalonil (Draconil, Bravo)	<0.099		0.099		ug/L		03/06/26 13:54	03/09/26 09:26	1
Chlorpyrifos	<0.049		0.049		ug/L		03/06/26 13:54	03/09/26 09:26	1
Chrysene	<0.020		0.020		ug/L		03/06/26 13:54	03/09/26 09:26	1
delta-BHC	<0.099		0.099		ug/L		03/06/26 13:54	03/09/26 09:26	1
Di(2-ethylhexyl)adipate	<0.59		0.59		ug/L		03/06/26 13:54	03/09/26 09:26	1
Dibenz(a,h)anthracene	<0.049		0.049		ug/L		03/06/26 13:54	03/09/26 09:26	1
Diclorvos (DDVP)	<0.049		0.049		ug/L		03/06/26 13:54	03/09/26 09:26	1
Dieldrin	**0.077**		0.0099		ug/L		03/06/26 13:54	03/09/26 09:26	1
Diethylphthalate	<0.49		0.49		ug/L		03/06/26 13:54	03/09/26 09:26	1
Dimethylphthalate	<0.49		0.49		ug/L		03/06/26 13:54	03/09/26 09:26	1
Di-n-butyl phthalate	<0.99		0.99		ug/L		03/06/26 13:54	03/09/26 09:26	1
Di-n-octyl phthalate	<0.099		0.099		ug/L		03/06/26 13:54	03/09/26 09:26	1
Endosulfan I (Alpha)	<0.099		0.099		ug/L		03/06/26 13:54	03/09/26 09:26	1
Endosulfan II (Beta)	<0.099		0.099		ug/L		03/06/26 13:54	03/09/26 09:26	1
Endosulfan sulfate	<0.099		0.099		ug/L		03/06/26 13:54	03/09/26 09:26	1
Endrin	<0.0099		0.0099		ug/L		03/06/26 13:54	03/09/26 09:26	1
Endrin aldehyde	<0.099		0.099		ug/L		03/06/26 13:54	03/09/26 09:26	1
EPTC	<0.099		0.099		ug/L		03/06/26 13:54	03/09/26 09:26	1
Fluoranthene	<0.099		0.099		ug/L		03/06/26 13:54	03/09/26 09:26	1

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

Job ID: 380-201167-1
SDG: Weekly: Ka'amilo Wells Pump 2

Client Sample ID: Ka'amilo Wells Pump 2 (331-600-WL085)
Date Collected: 03/02/26 13:10
Date Received: 03/04/26 10:01

Lab Sample ID: 380-201167-1
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		03/06/26 13:54	03/09/26 09:26	1
gamma-Chlordane	<0.049		0.049		ug/L		03/06/26 13:54	03/09/26 09:26	1
Heptachlor	<0.0099		0.0099		ug/L		03/06/26 13:54	03/09/26 09:26	1
Heptachlor epoxide (isomer B)	**0.015**		0.0099		ug/L		03/06/26 13:54	03/09/26 09:26	1
Hexachlorobenzene	<0.049		0.049		ug/L		03/06/26 13:54	03/09/26 09:26	1
Hexachlorocyclopentadiene	<0.049		0.049		ug/L		03/06/26 13:54	03/09/26 09:26	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049		ug/L		03/06/26 13:54	03/09/26 09:26	1
Isophorone	<0.099		0.099		ug/L		03/06/26 13:54	03/09/26 09:26	1
Lindane	<0.0099		0.0099		ug/L		03/06/26 13:54	03/09/26 09:26	1
Malathion	<0.099		0.099		ug/L		03/06/26 13:54	03/09/26 09:26	1
Methoxychlor	<0.049		0.049		ug/L		03/06/26 13:54	03/09/26 09:26	1
Metolachlor	<0.049		0.049		ug/L		03/06/26 13:54	03/09/26 09:26	1
Molinate	<0.099		0.099		ug/L		03/06/26 13:54	03/09/26 09:26	1
Naphthalene	<0.099		0.099		ug/L		03/06/26 13:54	03/09/26 09:26	1
Parathion	<0.099		0.099		ug/L		03/06/26 13:54	03/09/26 09:26	1
Pendimethalin (Penoxaline)	<0.099		0.099		ug/L		03/06/26 13:54	03/09/26 09:26	1
Phenanthrene	<0.039		0.039		ug/L		03/06/26 13:54	03/09/26 09:26	1
Propachlor	<0.049		0.049		ug/L		03/06/26 13:54	03/09/26 09:26	1
Pyrene	<0.049		0.049		ug/L		03/06/26 13:54	03/09/26 09:26	1
Simazine	<0.049		0.049		ug/L		03/06/26 13:54	03/09/26 09:26	1
Terbacil	<0.099		0.099		ug/L		03/06/26 13:54	03/09/26 09:26	1
Terbuthylazine	<0.099		0.099		ug/L		03/06/26 13:54	03/09/26 09:26	1
Thiobencarb	<0.099		0.099		ug/L		03/06/26 13:54	03/09/26 09:26	1
Total Permethrin (mixed isomers)	<0.20		0.20		ug/L		03/06/26 13:54	03/09/26 09:26	1
trans-Nonachlor	<0.049		0.049		ug/L		03/06/26 13:54	03/09/26 09:26	1
Trifluralin	<0.099		0.099		ug/L		03/06/26 13:54	03/09/26 09:26	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*	*03/06/26 13:54*	*03/09/26 09:26*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*96*		*70 - 130*	*03/06/26 13:54*	*03/09/26 09:26*	*1*
Perylene-d12	*93*		*70 - 130*	*03/06/26 13:54*	*03/09/26 09:26*	*1*
Triphenylphosphate	*108*		*70 - 130*	*03/06/26 13:54*	*03/09/26 09:26*	*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		03/05/26 05:00	03/09/26 09:15	1
2-Methylnaphthalene	<0.20		0.20		ug/L		03/05/26 05:00	03/09/26 09:15	1
Acenaphthene	<0.20		0.20		ug/L		03/05/26 05:00	03/09/26 09:15	1
Acenaphthylene	<0.20		0.20		ug/L		03/05/26 05:00	03/09/26 09:15	1
Anthracene	<0.20		0.20		ug/L		03/05/26 05:00	03/09/26 09:15	1
Benzo[a]anthracene	<0.20		0.20		ug/L		03/05/26 05:00	03/09/26 09:15	1
Benzo[a]pyrene	<0.20		0.20		ug/L		03/05/26 05:00	03/09/26 09:15	1
Benzo[b]fluoranthene	<0.20		0.20		ug/L		03/05/26 05:00	03/09/26 09:15	1
Benzo[g,h,i]perylene	<0.20		0.20		ug/L		03/05/26 05:00	03/09/26 09:15	1
Benzo[k]fluoranthene	<0.20		0.20		ug/L		03/05/26 05:00	03/09/26 09:15	1
Chrysene	<0.20		0.20		ug/L		03/05/26 05:00	03/09/26 09:15	1
Dibenz(a,h)anthracene	<0.20		0.20		ug/L		03/05/26 05:00	03/09/26 09:15	1
Fluoranthene	<0.20		0.20		ug/L		03/05/26 05:00	03/09/26 09:15	1

Client Sample ID: Ka'amilo Wells Pump 2 (331-600-WL085)

Lab Sample ID: 380-201167-1

Date Collected: 03/02/26 13:10
Matrix: Water
Date Received: 03/04/26 10:01

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		03/05/26 05:00	03/09/26 09:15	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20		ug/L		03/05/26 05:00	03/09/26 09:15	1
Naphthalene	<0.20		0.20		ug/L		03/05/26 05:00	03/09/26 09:15	1
Phenanthrene	<0.20		0.20		ug/L		03/05/26 05:00	03/09/26 09:15	1
Pyrene	<0.20		0.20		ug/L		03/05/26 05:00	03/09/26 09:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*95*		*28 - 127*	*03/05/26 05:00*	*03/09/26 09:15*	*1*
2-Fluorobiphenyl (Surr)	*89*		*31 - 120*	*03/05/26 05:00*	*03/09/26 09:15*	*1*
2-Fluorophenol (Surr)	*53*		*17 - 120*	*03/05/26 05:00*	*03/09/26 09:15*	*1*
Nitrobenzene-d5 (Surr)	*88*		*27 - 120*	*03/05/26 05:00*	*03/09/26 09:15*	*1*
Phenol-d6 (Surr)	*33*		*10 - 120*	*03/05/26 05:00*	*03/09/26 09:15*	*1*
p-Terphenyl-d14 (Surr)	*82*		*45 - 120*	*03/05/26 05:00*	*03/09/26 09:15*	*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*	*03/05/26 05:00*	*03/19/26 16:03*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*77*		*33 - 139*	*03/05/26 05:00*	*03/19/26 16:03*	*1*
2-Fluorobiphenyl (Surr)	*94*		*33 - 126*	*03/05/26 05:00*	*03/19/26 16:03*	*1*
2-Fluorophenol (Surr)	*55*		*12 - 120*	*03/05/26 05:00*	*03/19/26 16:03*	*1*
Nitrobenzene-d5 (Surr)	*86*		*36 - 120*	*03/05/26 05:00*	*03/19/26 16:03*	*1*
Phenol-d6 (Surr)	*33*		*10 - 120*	*03/05/26 05:00*	*03/19/26 16:03*	*1*
p-Terphenyl-d14 (Surr)	*95*		*47 - 131*	*03/05/26 05:00*	*03/19/26 16:03*	*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			03/16/26 16:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*38 - 134*		*03/16/26 16:02*	*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		03/05/26 09:26	03/15/26 17:33	1
Motor Oil Range Organics [C24-C36]	<26		26		ug/L		03/05/26 09:26	03/15/26 17:33	1
C8-C18	<26		26		ug/L		03/05/26 09:26	03/15/26 17:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*118*		*60 - 130*	*03/05/26 09:26*	*03/15/26 17:33*	*1*

Client Sample ID: TB: Ka'amilo Wells Pump 2 (331-600-WL085)

Lab Sample ID: 380-201167-2

Date Collected: 03/02/26 13:10
Matrix: Water
Date Received: 03/04/26 10:01

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			03/16/26 12:47	1

Client Sample Results

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

Job ID: 380-201167-1
SDG: Weekly: Ka'amilo Wells Pump 2

Client Sample ID: TB: Ka'amilo Wells Pump 2 (331-600-WL085)
Date Collected: 03/02/26 13:10
Date Received: 03/04/26 10:01

Lab Sample ID: 380-201167-2
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*81*		*38 - 134*		*03/16/26 12:47*	*1*

Action Limit Summary

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

Job ID: 380-201167-1
SDG: Weekly: Ka'amilo Wells Pump 2

Client Sample ID: Ka'amilo Wells Pump 2 (331-600-WL085) — Lab Sample ID: 380-201167-1

Compliance Check

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

Analyte	Result	Qualifier	Unit	EPAMCL Limit	RL	Method	Prep Type
Alachlor	<0.049		ug/L	2	0.049	525.2	Total/NA
Atrazine	<0.049		ug/L	3	0.049	525.2	Total/NA
Benzo[a]pyrene	<0.020		ug/L	0.2	0.020	525.2	Total/NA
Bis(2-ethylhexyl) phthalate	<0.59	*+	ug/L	6	0.59	525.2	Total/NA
Di(2-ethylhexyl)adipate	<0.59		ug/L	400	0.59	525.2	Total/NA
Endrin	<0.0099		ug/L	2	0.0099	525.2	Total/NA
Heptachlor	<0.0099		ug/L	0.4	0.0099	525.2	Total/NA
Heptachlor epoxide (isomer B)	0.015		ug/L	0.2	0.0099	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	<0.0099		ug/L	0.2	0.0099	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	<0.20		ug/L	0.2	0.20	625.1 SIM	Total/NA

Surrogate Summary

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

Job ID: 380-201167-1
SDG: Weekly: Ka'amilo Wells Pump 2

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)						
380-201167-1	Ka'amilo Wells Pump 2 (331-600	96	93	108						
380-201167-1 MS	Ka'amilo Wells Pump 2 (331-600-WL085)	97	107	110						
380-201173-I-1-A DU	Duplicate	98	96	111						
LCS 380-211365/23-A	Lab Control Sample	97	106	112						
MB 380-211365/21-A	Method Blank	96	99	111						
MRL 380-211365/22-A	Lab Control Sample	98	94	113						

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)		
380-201167-1	Ka'amilo Wells Pump 2 (331-600	77	94	55	86	33	95		
MB 570-704614/1-A	Method Blank	94	102	62	97	39	103		

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)		
380-201163-A-1-A MS	Matrix Spike	87	84	62	74	40	92		
380-201163-A-1-B MSD	Matrix Spike Duplicate	94	93	62	77	42	95		
380-201167-1	Ka'amilo Wells Pump 2 (331-600-WL085)	95	89	53	88	33	82		
LCS 570-704614/2-A	Lab Control Sample	96	93	66	78	44	98		
LCSD 570-704614/3-A	Lab Control Sample Dup	93	89	64	77	43	93		
MB 570-704614/1-A	Method Blank	107	96	60	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)

Surrogate Summary

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

Job ID: 380-201167-1
SDG: Weekly: Ka'amilo Wells Pump 2

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)
380-201167-1	Ka'amilo Wells Pump 2 (331-600	93
380-201167-2	TB: Ka'amilo Wells Pump 2 (331-600-WL085)	81
380-202475-C-1 MS	Matrix Spike	90
380-202475-C-1 MSD	Matrix Spike Duplicate	89
LCS 570-709726/3	Lab Control Sample	84
LCSD 570 709726/4	Lab Control Sample Dup	86
MB 570-709726/6	Method Blank	89
MRL 570-709726/5	Lab Control Sample	80

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)
380-201163-C-1-A MS	Matrix Spike	125
380-201163-C-1-B MSD	Matrix Spike Duplicate	110
380-201167-1	Ka'amilo Wells Pump 2 (331-600-WL085)	118
LCS 570-704786/2-A	Lab Control Sample	106
LCSD 570-704786/3-A	Lab Control Sample Dup	102
MB 570-704786/1-A	Method Blank	103
MRL 570-704786/4-A	Lab Control Sample	105

Surrogate Legend

OTCSN = n-Octacosane (Surr)

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

Lab Sample ID: MB 380-211365/21-A
Matrix: Water
Analysis Batch: 211745

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 211365

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.098		0.098		ug/L		03/06/26 13:54	03/09/26 08:06	1
2,4'-DDD	<0.098		0.098		ug/L		03/06/26 13:54	03/09/26 08:06	1
2,4'-DDE	<0.098		0.098		ug/L		03/06/26 13:54	03/09/26 08:06	1
2,4'-DDT	<0.098		0.098		ug/L		03/06/26 13:54	03/09/26 08:06	1
2,4-Dinitrotoluene	<0.098		0.098		ug/L		03/06/26 13:54	03/09/26 08:06	1
2,6-Dinitrotoluene	<0.098		0.098		ug/L		03/06/26 13:54	03/09/26 08:06	1
2-Methylnaphthalene	<0.098		0.098		ug/L		03/06/26 13:54	03/09/26 08:06	1
4,4'-DDD	<0.098		0.098		ug/L		03/06/26 13:54	03/09/26 08:06	1
4,4'-DDE	<0.098		0.098		ug/L		03/06/26 13:54	03/09/26 08:06	1
4,4'-DDT	<0.098		0.098		ug/L		03/06/26 13:54	03/09/26 08:06	1
Acenaphthene	<0.098		0.098		ug/L		03/06/26 13:54	03/09/26 08:06	1
Acenaphthylene	<0.098		0.098		ug/L		03/06/26 13:54	03/09/26 08:06	1
Acetochlor	<0.098		0.098		ug/L		03/06/26 13:54	03/09/26 08:06	1
Alachlor	<0.049		0.049		ug/L		03/06/26 13:54	03/09/26 08:06	1
alpha-BHC	<0.098		0.098		ug/L		03/06/26 13:54	03/09/26 08:06	1
alpha-Chlordane	<0.049		0.049		ug/L		03/06/26 13:54	03/09/26 08:06	1
Anthracene	<0.020		0.020		ug/L		03/06/26 13:54	03/09/26 08:06	1
Atrazine	<0.049		0.049		ug/L		03/06/26 13:54	03/09/26 08:06	1
Benz(a)anthracene	<0.049		0.049		ug/L		03/06/26 13:54	03/09/26 08:06	1
Benzo[a]pyrene	<0.020		0.020		ug/L		03/06/26 13:54	03/09/26 08:06	1
Benzo[b]fluoranthene	<0.020		0.020		ug/L		03/06/26 13:54	03/09/26 08:06	1
Benzo[g,h,i]perylene	<0.049		0.049		ug/L		03/06/26 13:54	03/09/26 08:06	1
Benzo[k]fluoranthene	<0.020		0.020		ug/L		03/06/26 13:54	03/09/26 08:06	1
beta-BHC	<0.098		0.098		ug/L		03/06/26 13:54	03/09/26 08:06	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59		ug/L		03/06/26 13:54	03/09/26 08:06	1
Bromacil	<0.098		0.098		ug/L		03/06/26 13:54	03/09/26 08:06	1
Butachlor	<0.049		0.049		ug/L		03/06/26 13:54	03/09/26 08:06	1
Butylbenzylphthalate	<0.49		0.49		ug/L		03/06/26 13:54	03/09/26 08:06	1
Chlorobenzilate	<0.098		0.098		ug/L		03/06/26 13:54	03/09/26 08:06	1
Chloroneb	<0.098		0.098		ug/L		03/06/26 13:54	03/09/26 08:06	1
Chlorothalonil (Draconil, Bravo)	<0.098		0.098		ug/L		03/06/26 13:54	03/09/26 08:06	1
Chlorpyrifos	<0.049		0.049		ug/L		03/06/26 13:54	03/09/26 08:06	1
Chrysene	<0.020		0.020		ug/L		03/06/26 13:54	03/09/26 08:06	1
delta-BHC	<0.098		0.098		ug/L		03/06/26 13:54	03/09/26 08:06	1
Di(2-ethylhexyl)adipate	<0.59		0.59		ug/L		03/06/26 13:54	03/09/26 08:06	1
Dibenz(a,h)anthracene	<0.049		0.049		ug/L		03/06/26 13:54	03/09/26 08:06	1
Diclorvos (DDVP)	<0.049		0.049		ug/L		03/06/26 13:54	03/09/26 08:06	1
Dieldrin	<0.0098		0.0098		ug/L		03/06/26 13:54	03/09/26 08:06	1
Diethylphthalate	<0.49		0.49		ug/L		03/06/26 13:54	03/09/26 08:06	1
Dimethylphthalate	<0.49		0.49		ug/L		03/06/26 13:54	03/09/26 08:06	1
Di-n-butyl phthalate	<0.98		0.98		ug/L		03/06/26 13:54	03/09/26 08:06	1
Di-n-octyl phthalate	<0.098		0.098		ug/L		03/06/26 13:54	03/09/26 08:06	1
Endosulfan I (Alpha)	<0.098		0.098		ug/L		03/06/26 13:54	03/09/26 08:06	1
Endosulfan II (Beta)	<0.098		0.098		ug/L		03/06/26 13:54	03/09/26 08:06	1
Endosulfan sulfate	<0.098		0.098		ug/L		03/06/26 13:54	03/09/26 08:06	1
Endrin	<0.0098		0.0098		ug/L		03/06/26 13:54	03/09/26 08:06	1
Endrin aldehyde	<0.098		0.098		ug/L		03/06/26 13:54	03/09/26 08:06	1
EPTC	<0.098		0.098		ug/L		03/06/26 13:54	03/09/26 08:06	1

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

Lab Sample ID: MB 380-211365/21-A
Matrix: Water
Analysis Batch: 211745

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 211365

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	<0.098		0.098		ug/L		03/06/26 13:54	03/09/26 08:06	1
Fluorene	<0.049		0.049		ug/L		03/06/26 13:54	03/09/26 08:06	1
gamma-Chlordane	<0.049		0.049		ug/L		03/06/26 13:54	03/09/26 08:06	1
Heptachlor	<0.0098		0.0098		ug/L		03/06/26 13:54	03/09/26 08:06	1
Heptachlor epoxide (isomer B)	<0.0098		0.0098		ug/L		03/06/26 13:54	03/09/26 08:06	1
Hexachlorobenzene	<0.049		0.049		ug/L		03/06/26 13:54	03/09/26 08:06	1
Hexachlorocyclopentadiene	<0.049		0.049		ug/L		03/06/26 13:54	03/09/26 08:06	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049		ug/L		03/06/26 13:54	03/09/26 08:06	1
Isophorone	<0.098		0.098		ug/L		03/06/26 13:54	03/09/26 08:06	1
Lindane	<0.0098		0.0098		ug/L		03/06/26 13:54	03/09/26 08:06	1
Malathion	<0.098		0.098		ug/L		03/06/26 13:54	03/09/26 08:06	1
Methoxychlor	<0.049		0.049		ug/L		03/06/26 13:54	03/09/26 08:06	1
Metolachlor	<0.049		0.049		ug/L		03/06/26 13:54	03/09/26 08:06	1
Molinate	<0.098		0.098		ug/L		03/06/26 13:54	03/09/26 08:06	1
Naphthalene	<0.098		0.098		ug/L		03/06/26 13:54	03/09/26 08:06	1
Parathion	<0.098		0.098		ug/L		03/06/26 13:54	03/09/26 08:06	1
Pendimethalin (Penoxaline)	<0.098		0.098		ug/L		03/06/26 13:54	03/09/26 08:06	1
Phenanthrene	<0.039		0.039		ug/L		03/06/26 13:54	03/09/26 08:06	1
Propachlor	<0.049		0.049		ug/L		03/06/26 13:54	03/09/26 08:06	1
Pyrene	<0.049		0.049		ug/L		03/06/26 13:54	03/09/26 08:06	1
Simazine	<0.049		0.049		ug/L		03/06/26 13:54	03/09/26 08:06	1
Terbacil	<0.098		0.098		ug/L		03/06/26 13:54	03/09/26 08:06	1
Terbuthylazine	<0.098		0.098		ug/L		03/06/26 13:54	03/09/26 08:06	1
Thiobencarb	<0.098		0.098		ug/L		03/06/26 13:54	03/09/26 08:06	1
Total Permethrin (mixed isomers)	<0.20		0.20		ug/L		03/06/26 13:54	03/09/26 08:06	1
trans-Nonachlor	<0.049		0.049		ug/L		03/06/26 13:54	03/09/26 08:06	1
Trifluralin	<0.098		0.098		ug/L		03/06/26 13:54	03/09/26 08:06	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Undecane	*4.57*	*T J N*	*ug/L*		*3.17*	*1120-21-4*	*03/06/26 13:54*	*03/09/26 08:06*	*1*
9-Octadecenamide, (Z)-	*4.83*	*T J N*	*ug/L*		*7.96*	*301-02-0*	*03/06/26 13:54*	*03/09/26 08:06*	*1*
13-Docosenamide, (Z)-	*1.61*	*T J N*	*ug/L*		*10.48*	*112-84-5*	*03/06/26 13:54*	*03/09/26 08:06*	*1*
Unknown	*0.766*	*T J*	*ug/L*		*15.00*	*N/A*	*03/06/26 13:54*	*03/09/26 08:06*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*96*		*70 - 130*	*03/06/26 13:54*	*03/09/26 08:06*	*1*
Perylene-d12	*99*		*70 - 130*	*03/06/26 13:54*	*03/09/26 08:06*	*1*
Triphenylphosphate	*111*		*70 - 130*	*03/06/26 13:54*	*03/09/26 08:06*	*1*

Lab Sample ID: LCS 380-211365/23-A
Matrix: Water
Analysis Batch: 211745

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 211365

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	1.97	1.96		ug/L		100	70 - 130
2,4'-DDD	1.97	2.08		ug/L		106	70 - 130
2,4'-DDE	1.97	2.29		ug/L		116	70 - 130
2,4'-DDT	1.97	2.07		ug/L		106	70 - 130

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

Lab Sample ID: LCS 380-211365/23-A
Matrix: Water
Analysis Batch: 211745

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 211365

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-Dinitrotoluene	1.97	2.05		ug/L		104	70 - 130
2,6-Dinitrotoluene	1.97	1.98		ug/L		101	70 - 130
2-Methylnaphthalene	1.97	1.97		ug/L		100	70 - 130
4,4'-DDD	1.97	2.25		ug/L		114	70 - 130
4,4'-DDE	1.97	2.14		ug/L		109	70 - 130
4,4'-DDT	1.97	2.15		ug/L		109	70 - 130
Acenaphthene	1.97	1.98		ug/L		101	70 - 130
Acenaphthylene	1.97	2.04		ug/L		104	70 - 130
Acetochlor	1.97	2.21		ug/L		113	70 - 130
Alachlor	1.97	2.23		ug/L		113	70 - 130
alpha-BHC	1.97	1.97		ug/L		100	70 - 130
alpha-Chlordane	1.97	2.14		ug/L		109	70 - 130
Anthracene	1.97	1.88		ug/L		96	70 - 130
Atrazine	1.97	2.12		ug/L		108	70 - 130
Benz(a)anthracene	1.97	1.95		ug/L		99	70 - 130
Benzo[a]pyrene	1.97	2.21		ug/L		112	70 - 130
Benzo[b]fluoranthene	1.97	2.22		ug/L		113	70 - 130
Benzo[g,h,i]perylene	1.97	2.36		ug/L		120	70 - 130
Benzo[k]fluoranthene	1.97	2.27		ug/L		116	70 - 130
beta-BHC	1.97	2.03		ug/L		103	70 - 130
Bis(2-ethylhexyl) phthalate	1.97	2.57	*+	ug/L		131	70 - 130
Bromacil	1.97	1.98		ug/L		101	70 - 130
Butachlor	1.97	2.42		ug/L		123	70 - 130
Butylbenzylphthalate	1.97	2.24		ug/L		114	70 - 130
Chlorobenzilate	1.97	2.33		ug/L		119	70 - 130
Chloroneb	1.97	2.05		ug/L		104	70 - 130
Chlorothalonil (Draconil, Bravo)	1.97	2.07		ug/L		105	70 - 130
Chlorpyrifos	1.97	2.16		ug/L		110	70 - 130
Chrysene	1.97	2.03		ug/L		104	70 - 130
delta-BHC	1.97	2.05		ug/L		104	70 - 130
Di(2-ethylhexyl)adipate	1.97	2.34		ug/L		119	70 - 130
Dibenz(a,h)anthracene	1.97	2.22		ug/L		113	70 - 130
Diclorvos (DDVP)	1.97	2.13		ug/L		109	70 - 130
Dieldrin	1.97	2.26		ug/L		115	70 - 130
Diethylphthalate	1.97	2.14		ug/L		109	70 - 130
Dimethylphthalate	1.97	1.99		ug/L		101	70 - 130
Di-n-butyl phthalate	3.93	4.60		ug/L		117	70 - 130
Di-n-octyl phthalate	1.97	2.40		ug/L		122	70 - 130
Endosulfan I (Alpha)	1.97	2.01		ug/L		102	70 - 130
Endosulfan II (Beta)	1.97	1.95		ug/L		99	70 - 130
Endosulfan sulfate	1.97	2.37		ug/L		121	70 - 130
Endrin	1.97	2.34		ug/L		119	70 - 130
Endrin aldehyde	1.97	2.15		ug/L		109	60 - 130
EPTC	1.97	2.08		ug/L		106	70 - 130
Fluoranthene	1.97	2.10		ug/L		107	70 - 130
Fluorene	1.97	1.92		ug/L		98	70 - 130
gamma-Chlordane	1.97	2.07		ug/L		105	70 - 130
Heptachlor	1.97	2.23		ug/L		113	70 - 130
Heptachlor epoxide (isomer B)	1.97	2.07		ug/L		105	70 - 130

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

Lab Sample ID: LCS 380-211365/23-A
Matrix: Water
Analysis Batch: 211745

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 211365

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Hexachlorobenzene	1.97	1.96		ug/L		100	70 - 130
Hexachlorocyclopentadiene	1.97	2.25		ug/L		115	70 - 130
Indeno[1,2,3-cd]pyrene	1.97	2.30		ug/L		117	70 - 130
Isophorone	1.97	1.89		ug/L		96	70 - 130
Lindane	1.97	2.08		ug/L		106	70 - 130
Malathion	1.97	2.38		ug/L		121	70 - 130
Methoxychlor	1.97	2.28		ug/L		116	70 - 130
Metolachlor	1.97	2.19		ug/L		112	70 - 130
Molinate	1.97	2.08		ug/L		106	70 - 130
Naphthalene	1.97	1.95		ug/L		99	70 - 130
Parathion	1.97	2.33		ug/L		119	70 - 130
Pendimethalin (Penoxaline)	1.97	2.21		ug/L		113	70 - 130
Phenanthrene	1.97	2.01		ug/L		102	70 - 130
Propachlor	1.97	2.14		ug/L		109	70 - 130
Pyrene	1.97	2.08		ug/L		106	70 - 130
Simazine	1.97	2.01		ug/L		102	70 - 130
Terbacil	1.97	2.15		ug/L		110	70 - 130
Terbuthylazine	1.97	2.24		ug/L		114	70 - 130
Thiobencarb	1.97	2.24		ug/L		114	70 - 130
trans-Nonachlor	1.97	2.01		ug/L		102	70 - 130
Trifluralin	1.97	2.13		ug/L		108	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Nitro-m-xylene	*97*		*70 - 130*
Perylene-d12	*106*		*70 - 130*
Triphenylphosphate	*112*		*70 - 130*

Lab Sample ID: MRL 380-211365/22-A
Matrix: Water
Analysis Batch: 211745

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 211365

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	0.0985	0.101		ug/L		103	50 - 150
2,4'-DDD	0.0985	0.0956	J	ug/L		97	50 - 150
2,4'-DDE	0.0985	0.0994		ug/L		101	50 - 150
2,4'-DDT	0.0985	0.115		ug/L		117	50 - 150
2,4-Dinitrotoluene	0.0985	0.111		ug/L		112	50 - 150
2,6-Dinitrotoluene	0.0985	0.121		ug/L		123	50 - 150
2-Methylnaphthalene	0.0985	0.0923	J	ug/L		94	50 - 150
4,4'-DDD	0.0985	0.103		ug/L		105	50 - 150
4,4'-DDE	0.0985	0.110		ug/L		112	50 - 150
4,4'-DDT	0.0985	0.129		ug/L		131	50 - 150
Acenaphthene	0.0985	0.0899	J	ug/L		91	50 - 150
Acenaphthylene	0.0985	0.0955	J	ug/L		97	50 - 150
Acetochlor	0.0985	0.108		ug/L		109	50 - 150
Alachlor	0.0493	0.0538		ug/L		109	50 - 150
alpha-BHC	0.0985	0.106		ug/L		107	50 - 150
alpha-Chlordane	0.0246	0.0304	J	ug/L		124	50 - 150

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

Lab Sample ID: MRL 380-211365/22-A
Matrix: Water
Analysis Batch: 211745

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 211365

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Anthracene	0.0197	0.0207		ug/L		105	50 - 150
Atrazine	0.0493	0.0524		ug/L		106	50 - 150
Benz(a)anthracene	0.0493	0.0552		ug/L		112	50 - 150
Benzo[a]pyrene	0.0197	0.0234		ug/L		119	50 - 150
Benzo[b]fluoranthene	0.0197	0.0256		ug/L		130	50 - 150
Benzo[g,h,i]perylene	0.0493	0.0495		ug/L		100	50 - 150
Benzo[k]fluoranthene	0.0197	0.0241		ug/L		122	50 - 150
beta-BHC	0.0985	0.110		ug/L		112	50 - 150
Bis(2-ethylhexyl) phthalate	0.591	0.754		ug/L		128	50 - 150
Bromacil	0.0985	0.117		ug/L		119	50 - 150
Butachlor	0.0493	0.0624		ug/L		127	50 - 150
Butylbenzylphthalate	0.493	0.617		ug/L		125	50 - 150
Chlorobenzilate	0.0985	0.108		ug/L		109	50 - 150
Chloroneb	0.0985	0.0976	J	ug/L		99	50 - 150
Chlorothalonil (Draconil, Bravo)	0.0985	0.0952	J	ug/L		97	50 - 150
Chlorpyrifos	0.0493	0.0593		ug/L		120	50 - 150
Chrysene	0.0197	0.0231		ug/L		117	50 - 150
delta-BHC	0.0985	0.103		ug/L		105	50 - 150
Di(2-ethylhexyl)adipate	0.591	0.718		ug/L		121	50 - 150
Dibenz(a,h)anthracene	0.0493	0.0552		ug/L		112	50 - 150
Diclorvos (DDVP)	0.0493	0.0531		ug/L		108	50 - 150
Dieldrin	0.00985	0.00959	J	ug/L		97	50 - 150
Diethylphthalate	0.493	0.542		ug/L		110	50 - 150
Dimethylphthalate	0.493	0.514		ug/L		104	50 - 150
Di-n-butyl phthalate	0.493	0.560	J	ug/L		114	49 - 243
Di-n-octyl phthalate	0.0985	0.114		ug/L		116	50 - 150
Endosulfan I (Alpha)	0.0985	0.0976	J	ug/L		99	50 - 150
Endosulfan II (Beta)	0.0985	0.109		ug/L		111	50 - 150
Endosulfan sulfate	0.0985	0.109		ug/L		110	50 - 150
Endrin	0.00985	0.0127		ug/L		129	50 - 150
Endrin aldehyde	0.0985	0.116		ug/L		118	50 - 150
EPTC	0.0985	0.103		ug/L		105	50 - 150
Fluoranthene	0.0985	0.104		ug/L		106	50 - 150
Fluorene	0.0493	0.0512		ug/L		104	50 - 150
gamma-Chlordane	0.0246	0.0272	J	ug/L		110	50 - 150
Heptachlor	0.00985	0.0115		ug/L		117	50 - 150
Heptachlor epoxide (isomer B)	0.00985	0.0121		ug/L		123	50 - 150
Hexachlorobenzene	0.0493	0.0476	J	ug/L		97	50 - 150
Hexachlorocyclopentadiene	0.0493	0.0572		ug/L		116	50 - 150
Indeno[1,2,3-cd]pyrene	0.0493	0.0562		ug/L		114	50 - 150
Isophorone	0.0985	0.113		ug/L		115	50 - 150
Lindane	0.00985	0.0112		ug/L		114	50 - 150
Malathion	0.0985	0.108		ug/L		109	50 - 150
Methoxychlor	0.0493	0.0613		ug/L		124	50 - 150
Metolachlor	0.0493	0.0572		ug/L		116	50 - 150
Molinate	0.0985	0.0994		ug/L		101	50 - 150
Naphthalene	0.0985	0.0957	J	ug/L		97	50 - 150
Parathion	0.0985	0.0979	J	ug/L		99	50 - 150
Pendimethalin (Penoxaline)	0.0985	0.106		ug/L		107	50 - 150

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

Lab Sample ID: MRL 380-211365/22-A
Matrix: Water
Analysis Batch: 211745

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 211365

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Phenanthrene			0.0394	0.0358	J	ug/L		91	50 - 150		
Propachlor			0.0493	0.0551		ug/L		112	50 - 150		
Pyrene			0.0493	0.0535		ug/L		109	50 - 150		
Simazine			0.0493	0.0539		ug/L		110	50 - 150		
Terbacil			0.0985	0.115		ug/L		117	50 - 150		
Terbuthylazine			0.0985	0.107		ug/L		108	50 - 150		
Thiobencarb			0.0985	0.105		ug/L		107	50 - 150		
trans-Nonachlor			0.0246	0.0267	J	ug/L		108	50 - 150		
Trifluralin			0.0985	0.107		ug/L		109	50 - 150		

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
2-Nitro-m-xylene	*98*		*70 - 130*
Perylene-d12	*94*		*70 - 130*
Triphenylphosphate	*113*		*70 - 130*

Lab Sample ID: 380-201167-1 MS
Matrix: Water
Analysis Batch: 211745

Client Sample ID: Ka'amilo Wells Pump 2 (331-600-WL085)
Prep Type: Total/NA
Prep Batch: 211365

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
1-Methylnaphthalene	<0.099		2.00	1.99		ug/L		100	70 - 130		
2,4'-DDD	<0.099		2.00	2.08		ug/L		104	70 - 130		
2,4'-DDE	<0.099		2.00	2.24		ug/L		112	70 - 130		
2,4'-DDT	<0.099		2.00	1.98		ug/L		99	70 - 130		
2,4-Dinitrotoluene	<0.099		2.00	2.10		ug/L		105	70 - 130		
2,6-Dinitrotoluene	<0.099		2.00	2.04		ug/L		102	70 - 130		
2-Methylnaphthalene	<0.099		2.00	1.98		ug/L		99	70 - 130		
4,4'-DDD	<0.099		2.00	2.23		ug/L		112	70 - 130		
4,4'-DDE	<0.099		2.00	2.07		ug/L		104	70 - 130		
4,4'-DDT	<0.099		2.00	2.05		ug/L		103	70 - 130		
Acenaphthene	<0.099		2.00	2.01		ug/L		101	70 - 130		
Acenaphthylene	<0.099		2.00	2.04		ug/L		102	70 - 130		
Acetochlor	<0.099		2.00	2.33		ug/L		117	70 - 130		
Alachlor	<0.049		2.00	2.30		ug/L		115	70 - 130		
alpha-BHC	<0.099		2.00	2.04		ug/L		102	70 - 130		
alpha-Chlordane	<0.049		2.00	2.13		ug/L		105	70 - 130		
Anthracene	<0.020		2.00	1.69		ug/L		85	70 - 130		
Atrazine	<0.049		2.00	2.17		ug/L		109	70 - 130		
Benz(a)anthracene	<0.049		2.00	1.89		ug/L		95	70 - 130		
Benzo[a]pyrene	<0.020		2.00	2.07		ug/L		104	70 - 130		
Benzo[b]fluoranthene	<0.020		2.00	2.29		ug/L		115	70 - 130		
Benzo[g,h,i]perylene	<0.049		2.00	2.39		ug/L		120	70 - 130		
Benzo[k]fluoranthene	<0.020		2.00	2.13		ug/L		107	70 - 130		
beta-BHC	<0.099		2.00	2.03		ug/L		102	70 - 130		
Bis(2-ethylhexyl) phthalate	<0.59	*+	2.00	2.39		ug/L		120	70 - 130		
Bromacil	<0.099		2.00	2.18		ug/L		107	70 - 130		
Butachlor	<0.049		2.00	2.43		ug/L		122	70 - 130		
Butylbenzylphthalate	<0.49		2.00	2.24		ug/L		112	70 - 130		

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

Lab Sample ID: 380-201167-1 MS
Matrix: Water
Analysis Batch: 211745

Client Sample ID: Ka'amilo Wells Pump 2 (331-600-WL085)
Prep Type: Total/NA
Prep Batch: 211365

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chlorobenzilate	<0.099		2.00	2.37		ug/L		119	70 - 130
Chloroneb	<0.099		2.00	2.07		ug/L		104	70 - 130
Chlorothalonil (Draconil, Bravo)	<0.099		2.00	2.08		ug/L		104	70 - 130
Chlorpyrifos	<0.049		2.00	2.14		ug/L		107	70 - 130
Chrysene	<0.020		2.00	2.05		ug/L		103	70 - 130
delta-BHC	<0.099		2.00	2.08		ug/L		104	70 - 130
Di(2-ethylhexyl)adipate	<0.59		2.00	2.14		ug/L		107	70 - 130
Dibenz(a,h)anthracene	<0.049		2.00	2.18		ug/L		109	70 - 130
Diclorvos (DDVP)	<0.049		2.00	2.16		ug/L		108	70 - 130
Dieldrin	0.077		2.00	2.47		ug/L		120	70 - 130
Diethylphthalate	<0.49		2.00	2.17		ug/L		109	70 - 130
Dimethylphthalate	<0.49		2.00	2.04		ug/L		102	70 - 130
Di-n-butyl phthalate	<0.99		3.99	4.59		ug/L		115	70 - 130
Di-n-octyl phthalate	<0.099		2.00	2.14		ug/L		107	70 - 130
Endosulfan I (Alpha)	<0.099		2.00	2.07		ug/L		104	70 - 130
Endosulfan II (Beta)	<0.099		2.00	2.02		ug/L		101	70 - 130
Endosulfan sulfate	<0.099		2.00	2.49		ug/L		125	70 - 130
Endrin	<0.0099		2.00	2.45		ug/L		123	70 - 130
Endrin aldehyde	<0.099		2.00	2.20		ug/L		110	60 - 130
EPTC	<0.099		2.00	2.13		ug/L		107	70 - 130
Fluoranthene	<0.099		2.00	2.09		ug/L		105	70 - 130
Fluorene	<0.049		2.00	1.92		ug/L		96	70 - 130
gamma-Chlordane	<0.049		2.00	2.15		ug/L		106	70 - 130
Heptachlor	<0.0099		2.00	2.26		ug/L		113	70 - 130
Heptachlor epoxide (isomer B)	0.015		2.00	2.13		ug/L		106	70 - 130
Hexachlorobenzene	<0.049		2.00	1.95		ug/L		98	70 - 130
Hexachlorocyclopentadiene	<0.049		2.00	2.14		ug/L		107	70 - 130
Indeno[1,2,3-cd]pyrene	<0.049		2.00	2.32		ug/L		116	70 - 130
Isophorone	<0.099		2.00	1.98		ug/L		99	70 - 130
Lindane	<0.0099		2.00	2.13		ug/L		107	70 - 130
Malathion	<0.099		2.00	2.42		ug/L		121	70 - 130
Methoxychlor	<0.049		2.00	2.29		ug/L		115	70 - 130
Metolachlor	<0.049		2.00	2.27		ug/L		114	70 - 130
Molinate	<0.099		2.00	2.10		ug/L		105	70 - 130
Naphthalene	<0.099		2.00	1.98		ug/L		99	70 - 130
Parathion	<0.099		2.00	2.32		ug/L		116	70 - 130
Pendimethalin (Penoxaline)	<0.099		2.00	2.24		ug/L		112	70 - 130
Phenanthrene	<0.039		2.00	2.03		ug/L		102	70 - 130
Propachlor	<0.049		2.00	2.19		ug/L		110	70 - 130
Pyrene	<0.049		2.00	2.05		ug/L		103	70 - 130
Simazine	<0.049		2.00	2.04		ug/L		102	70 - 130
Terbacil	<0.099		2.00	2.23		ug/L		112	70 - 130
Terbuthylazine	<0.099		2.00	2.23		ug/L		112	70 - 130
Thiobencarb	<0.099		2.00	2.23		ug/L		112	70 - 130
trans-Nonachlor	<0.049		2.00	2.07		ug/L		103	70 - 130
Trifluralin	<0.099		2.00	2.16		ug/L		108	70 - 130

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

Lab Sample ID: 380-201167-1 MS
Matrix: Water
Analysis Batch: 211745

Client Sample ID: Ka'amilo Wells Pump 2 (331-600-WL085)
Prep Type: Total/NA
Prep Batch: 211365

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Nitro-m-xylene	*97*		*70 - 130*
Perylene-d12	*107*		*70 - 130*
Triphenylphosphate	*110*		*70 - 130*

Lab Sample ID: 380-201173-I-1-A DU
Matrix: Water
Analysis Batch: 211745

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 211365

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1-Methylnaphthalene	<0.098			<0.099		ug/L				NC	20
2,4'-DDD	<0.098			<0.099		ug/L				NC	20
2,4'-DDE	<0.098			<0.099		ug/L				NC	20
2,4'-DDT	<0.098			<0.099		ug/L				NC	20
2,4-Dinitrotoluene	<0.098			<0.099		ug/L				NC	20
2,6-Dinitrotoluene	<0.098			<0.099		ug/L				NC	20
2-Methylnaphthalene	<0.098			<0.099		ug/L				NC	20
4,4'-DDD	<0.098			<0.099		ug/L				NC	20
4,4'-DDE	<0.098			<0.099		ug/L				NC	20
4,4'-DDT	<0.098			<0.099		ug/L				NC	20
Acenaphthene	<0.098			<0.099		ug/L				NC	20
Acenaphthylene	<0.098			<0.099		ug/L				NC	20
Acetochlor	<0.098			<0.099		ug/L				NC	20
Alachlor	<0.049			<0.050		ug/L				NC	20
alpha-BHC	<0.098			<0.099		ug/L				NC	20
alpha-Chlordane	<0.049			<0.050		ug/L				NC	20
Anthracene	<0.020			<0.020		ug/L				NC	20
Atrazine	<0.049			<0.050		ug/L				NC	20
Benz(a)anthracene	<0.049			<0.050		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			<0.050		ug/L				NC	20
Benzo[k]fluoranthene	<0.020			<0.020		ug/L				NC	20
beta-BHC	<0.098			<0.099		ug/L				NC	20
Bis(2-ethylhexyl) phthalate	<0.59	*+		<0.60	*+	ug/L				NC	20
Bromacil	<0.098			<0.099		ug/L				NC	20
Butachlor	<0.049			<0.050		ug/L				NC	20
Butylbenzylphthalate	<0.49			<0.50		ug/L				NC	20
Chlorobenzilate	<0.098			<0.099		ug/L				NC	20
Chloroneb	<0.098			<0.099		ug/L				NC	20
Chlorothalonil (Draconil, Bravo)	<0.098			<0.099		ug/L				NC	20
Chlorpyrifos	<0.049			<0.050		ug/L				NC	20
Chrysene	<0.020			<0.020		ug/L				NC	20
delta-BHC	<0.098			<0.099		ug/L				NC	20
Di(2-ethylhexyl)adipate	<0.59			<0.60		ug/L				NC	20
Dibenz(a,h)anthracene	<0.049			<0.050		ug/L				NC	20
Diclorvos (DDVP)	<0.049			<0.050		ug/L				NC	20
Dieldrin	<0.0098			<0.0099		ug/L				NC	20
Diethylphthalate	<0.49			<0.50		ug/L				NC	20

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

Lab Sample ID: 380-201173-I-1-A DU
Matrix: Water
Analysis Batch: 211745

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 211365

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Dimethylphthalate	<0.49			<0.50		ug/L				NC	20
Di-n-butyl phthalate	<0.98			<0.99		ug/L				NC	20
Di-n-octyl phthalate	<0.098			<0.099		ug/L				NC	20
Endosulfan I (Alpha)	<0.098			<0.099		ug/L				NC	20
Endosulfan II (Beta)	<0.098			<0.099		ug/L				NC	20
Endosulfan sulfate	<0.098			<0.099		ug/L				NC	20
Endrin	<0.0098			<0.0099		ug/L				NC	20
Endrin aldehyde	<0.098			<0.099		ug/L				NC	20
EPTC	<0.098			<0.099		ug/L				NC	20
Fluoranthene	<0.098			<0.099		ug/L				NC	20
Fluorene	<0.049			<0.050		ug/L				NC	20
gamma-Chlordane	<0.049			<0.050		ug/L				NC	20
Heptachlor	<0.0098			<0.0099		ug/L				NC	20
Heptachlor epoxide (isomer B)	<0.0098			<0.0099		ug/L				NC	20
Hexachlorobenzene	<0.049			<0.050		ug/L				NC	20
Hexachlorocyclopentadiene	<0.049			<0.050		ug/L				NC	20
Indeno[1,2,3-cd]pyrene	<0.049			<0.050		ug/L				NC	20
Isophorone	<0.098			<0.099		ug/L				NC	20
Lindane	<0.0098			<0.0099		ug/L				NC	20
Malathion	<0.098			<0.099		ug/L				NC	20
Methoxychlor	<0.049			<0.050		ug/L				NC	20
Metolachlor	<0.049			<0.050		ug/L				NC	20
Molinate	<0.098			<0.099		ug/L				NC	20
Naphthalene	<0.098			<0.099		ug/L				NC	20
Parathion	<0.098			<0.099		ug/L				NC	20
Pendimethalin (Penoxaline)	<0.098			<0.099		ug/L				NC	20
Phenanthrene	<0.039			<0.040		ug/L				NC	20
Propachlor	<0.049			<0.050		ug/L				NC	20
Pyrene	<0.049			<0.050		ug/L				NC	20
Simazine	<0.049			<0.050		ug/L				NC	20
Terbacil	<0.098			<0.099		ug/L				NC	20
Terbuthylazine	<0.098			<0.099		ug/L				NC	20
Thiobencarb	<0.098			<0.099		ug/L				NC	20
Total Permethrin (mixed isomers)	<0.20			<0.20		ug/L				NC	20
trans-Nonachlor	<0.049			<0.050		ug/L				NC	20
Trifluralin	<0.098			<0.099		ug/L				NC	20

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
2-Nitro-m-xylene	*98*		*70 - 130*
Perylene-d12	*96*		*70 - 130*
Triphenylphosphate	*111*		*70 - 130*

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

Lab Sample ID: MB 570-704614/1-A
Matrix: Water
Analysis Batch: 711803

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 704614

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	03/05/26 05:00	03/19/26 15:14	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	94		33 - 139	03/05/26 05:00	03/19/26 15:14	1
2-Fluorobiphenyl (Surr)	102		33 - 126	03/05/26 05:00	03/19/26 15:14	1
2-Fluorophenol (Surr)	62		12 - 120	03/05/26 05:00	03/19/26 15:14	1
Nitrobenzene-d5 (Surr)	97		36 - 120	03/05/26 05:00	03/19/26 15:14	1
Phenol-d6 (Surr)	39		10 - 120	03/05/26 05:00	03/19/26 15:14	1
p-Terphenyl-d14 (Surr)	103		47 - 131	03/05/26 05:00	03/19/26 15:14	1

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

Lab Sample ID: MB 570-704614/1-A
Matrix: Water
Analysis Batch: 706228

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 704614

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.20		0.20		ug/L		03/05/26 05:00	03/09/26 05:58	1
2-Methylnaphthalene	<0.20		0.20		ug/L		03/05/26 05:00	03/09/26 05:58	1
Acenaphthene	<0.20		0.20		ug/L		03/05/26 05:00	03/09/26 05:58	1
Acenaphthylene	<0.20		0.20		ug/L		03/05/26 05:00	03/09/26 05:58	1
Anthracene	<0.20		0.20		ug/L		03/05/26 05:00	03/09/26 05:58	1
Benzo[a]anthracene	<0.20		0.20		ug/L		03/05/26 05:00	03/09/26 05:58	1
Benzo[a]pyrene	<0.20		0.20		ug/L		03/05/26 05:00	03/09/26 05:58	1
Benzo[b]fluoranthene	<0.20		0.20		ug/L		03/05/26 05:00	03/09/26 05:58	1
Benzo[g,h,i]perylene	<0.20		0.20		ug/L		03/05/26 05:00	03/09/26 05:58	1
Benzo[k]fluoranthene	<0.20		0.20		ug/L		03/05/26 05:00	03/09/26 05:58	1
Chrysene	<0.20		0.20		ug/L		03/05/26 05:00	03/09/26 05:58	1
Dibenz(a,h)anthracene	<0.20		0.20		ug/L		03/05/26 05:00	03/09/26 05:58	1
Fluoranthene	<0.20		0.20		ug/L		03/05/26 05:00	03/09/26 05:58	1
Fluorene	<0.20		0.20		ug/L		03/05/26 05:00	03/09/26 05:58	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20		ug/L		03/05/26 05:00	03/09/26 05:58	1
Naphthalene	<0.20		0.20		ug/L		03/05/26 05:00	03/09/26 05:58	1
Phenanthrene	<0.20		0.20		ug/L		03/05/26 05:00	03/09/26 05:58	1
Pyrene	<0.20		0.20		ug/L		03/05/26 05:00	03/09/26 05:58	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	107		28 - 127	03/05/26 05:00	03/09/26 05:58	1
2-Fluorobiphenyl (Surr)	96		31 - 120	03/05/26 05:00	03/09/26 05:58	1
2-Fluorophenol (Surr)	60		17 - 120	03/05/26 05:00	03/09/26 05:58	1
Nitrobenzene-d5 (Surr)	94		27 - 120	03/05/26 05:00	03/09/26 05:58	1
Phenol-d6 (Surr)	38		10 - 120	03/05/26 05:00	03/09/26 05:58	1
p-Terphenyl-d14 (Surr)	88		45 - 120	03/05/26 05:00	03/09/26 05:58	1

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

Lab Sample ID: LCS 570-704614/2-A
Matrix: Water
Analysis Batch: 706228

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 704614

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	20.0	16.6		ug/L		83	47 - 120
2-Methylnaphthalene	20.0	15.7		ug/L		78	43 - 120
Acenaphthene	20.0	18.4		ug/L		92	60 - 132
Acenaphthylene	20.0	18.5		ug/L		93	54 - 126
Anthracene	20.0	18.5		ug/L		92	43 - 120
Benzo[a]anthracene	20.0	19.8		ug/L		99	42 - 133
Benzo[a]pyrene	20.0	21.3		ug/L		107	32 - 148
Benzo[b]fluoranthene	20.0	21.0		ug/L		105	42 - 140
Benzo[g,h,i]perylene	20.0	19.1		ug/L		96	1 - 195
Benzo[k]fluoranthene	20.0	19.9		ug/L		100	25 - 146
Chrysene	20.0	19.5		ug/L		97	44 - 140
Dibenz(a,h)anthracene	20.0	19.7		ug/L		99	1 - 200
Fluoranthene	20.0	19.0		ug/L		95	43 - 121
Fluorene	20.0	19.7		ug/L		99	70 - 120
Indeno[1,2,3-cd]pyrene	20.0	20.2		ug/L		101	1 - 151
Naphthalene	20.0	15.1		ug/L		76	36 - 120
Phenanthrene	20.0	18.8		ug/L		94	65 - 120
Pyrene	20.0	20.4		ug/L		102	70 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*96*		*28 - 127*
2-Fluorobiphenyl (Surr)	*93*		*31 - 120*
2-Fluorophenol (Surr)	*66*		*17 - 120*
Nitrobenzene-d5 (Surr)	*78*		*27 - 120*
Phenol-d6 (Surr)	*44*		*10 - 120*
p-Terphenyl-d14 (Surr)	*98*		*45 - 120*

Lab Sample ID: LCSD 570-704614/3-A
Matrix: Water
Analysis Batch: 706228

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 704614

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	20.0	16.5		ug/L		82	47 - 120	1	20
2-Methylnaphthalene	20.0	15.6		ug/L		78	43 - 120	0	20
Acenaphthene	20.0	18.4		ug/L		92	60 - 132	0	29
Acenaphthylene	20.0	19.0		ug/L		95	54 - 126	2	45
Anthracene	20.0	18.4		ug/L		92	43 - 120	0	40
Benzo[a]anthracene	20.0	18.9		ug/L		95	42 - 133	5	32
Benzo[a]pyrene	20.0	20.7		ug/L		104	32 - 148	3	43
Benzo[b]fluoranthene	20.0	20.4		ug/L		102	42 - 140	3	43
Benzo[g,h,i]perylene	20.0	18.5		ug/L		93	1 - 195	3	61
Benzo[k]fluoranthene	20.0	19.5		ug/L		97	25 - 146	2	38
Chrysene	20.0	18.9		ug/L		95	44 - 140	3	53
Dibenz(a,h)anthracene	20.0	19.3		ug/L		97	1 - 200	2	75
Fluoranthene	20.0	19.1		ug/L		95	43 - 121	0	40
Fluorene	20.0	19.8		ug/L		99	70 - 120	0	23
Indeno[1,2,3-cd]pyrene	20.0	19.7		ug/L		98	1 - 151	3	60
Naphthalene	20.0	14.9		ug/L		74	36 - 120	2	39

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

Lab Sample ID: LCSD 570-704614/3-A
Matrix: Water
Analysis Batch: 706228

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 704614

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phenanthrene			20.0	18.6		ug/L		93	65 - 120	1	24
Pyrene			20.0	19.4		ug/L		97	70 - 120	5	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*93*		*28 - 127*
2-Fluorobiphenyl (Surr)	*89*		*31 - 120*
2-Fluorophenol (Surr)	*64*		*17 120*
Nitrobenzene-d5 (Surr)	*77*		*27 - 120*
Phenol-d6 (Surr)	*43*		*10 - 120*
p-Terphenyl-d14 (Surr)	*93*		*45 - 120*

Lab Sample ID: 380-201163-A-1-A MS
Matrix: Water
Analysis Batch: 706228

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 704614

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.20		19.2	15.0		ug/L		78	36 - 120
2-Methylnaphthalene	<0.20		19.2	14.2		ug/L		74	32 - 124
Acenaphthene	<0.20		19.2	16.8		ug/L		88	47 - 145
Acenaphthylene	<0.20		19.2	16.8		ug/L		87	33 - 145
Anthracene	<0.20		19.2	16.8		ug/L		87	27 - 133
Benzo[a]anthracene	<0.20		19.2	18.0		ug/L		94	33 - 143
Benzo[a]pyrene	<0.20		19.2	19.2		ug/L		100	17 - 163
Benzo[b]fluoranthene	<0.20		19.2	18.8		ug/L		98	24 - 159
Benzo[g,h,i]perylene	<0.20		19.2	17.0		ug/L		89	1 - 219
Benzo[k]fluoranthene	<0.20		19.2	18.7		ug/L		98	11 - 162
Chrysene	<0.20		19.2	18.1		ug/L		94	17 - 168
Dibenz(a,h)anthracene	<0.20		19.2	17.7		ug/L		92	1 - 227
Fluoranthene	<0.20		19.2	17.3		ug/L		90	26 - 137
Fluorene	<0.20		19.2	18.1		ug/L		95	59 - 121
Indeno[1,2,3-cd]pyrene	<0.20		19.2	17.9		ug/L		94	1 - 171
Naphthalene	<0.20		19.2	13.6		ug/L		71	21 - 133
Phenanthrene	<0.20		19.2	17.1		ug/L		89	54 - 120
Pyrene	<0.20		19.2	18.4		ug/L		96	52 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*87*		*28 - 127*
2-Fluorobiphenyl (Surr)	*84*		*31 - 120*
2-Fluorophenol (Surr)	*62*		*17 - 120*
Nitrobenzene-d5 (Surr)	*74*		*27 - 120*
Phenol-d6 (Surr)	*40*		*10 - 120*
p-Terphenyl-d14 (Surr)	*92*		*45 - 120*

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

Lab Sample ID: 380-201163-A-1-B MSD
Matrix: Water
Analysis Batch: 706228

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 704614

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	<0.20		19.3	16.2		ug/L		84	36 - 120	8	30
2-Methylnaphthalene	<0.20		19.3	15.4		ug/L		80	32 - 124	8	30
Acenaphthene	<0.20		19.3	18.0		ug/L		93	47 - 145	7	48
Acenaphthylene	<0.20		19.3	18.4		ug/L		95	33 - 145	9	74
Anthracene	<0.20		19.3	18.1		ug/L		94	27 - 133	8	66
Benzo[a]anthracene	<0.20		19.3	19.3		ug/L		100	33 - 143	7	53
Benzo[a]pyrene	<0.20		19.3	20.7		ug/L		107	17 - 163	8	72
Benzo[b]fluoranthene	<0.20		19.3	20.0		ug/L		104	24 - 159	6	71
Benzo[g,h,i]perylene	<0.20		19.3	18.4		ug/L		95	1 - 219	8	97
Benzo[k]fluoranthene	<0.20		19.3	19.7		ug/L		102	11 - 162	5	63
Chrysene	<0.20		19.3	19.2		ug/L		99	17 - 168	6	87
Dibenz(a,h)anthracene	<0.20		19.3	19.0		ug/L		99	1 - 227	7	126
Fluoranthene	<0.20		19.3	18.5		ug/L		96	26 - 137	7	66
Fluorene	<0.20		19.3	19.3		ug/L		100	59 - 121	6	38
Indeno[1,2,3-cd]pyrene	<0.20		19.3	19.2		ug/L		100	1 - 171	7	99
Naphthalene	<0.20		19.3	14.6		ug/L		76	21 - 133	7	65
Phenanthrene	<0.20		19.3	18.3		ug/L		95	54 - 120	7	39
Pyrene	<0.20		19.3	19.9		ug/L		103	52 - 120	8	49

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*94*		*28 - 127*
2-Fluorobiphenyl (Surr)	*93*		*31 - 120*
2-Fluorophenol (Surr)	*62*		*17 - 120*
Nitrobenzene-d5 (Surr)	*77*		*27 - 120*
Phenol-d6 (Surr)	*42*		*10 - 120*
p-Terphenyl-d14 (Surr)	*95*		*45 - 120*

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

Lab Sample ID: MB 570-709726/6
Matrix: Water
Analysis Batch: 709726

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			03/16/26 11:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*38 - 134*		*03/16/26 11:34*	*1*

Lab Sample ID: LCS 570-709726/3
Matrix: Water
Analysis Batch: 709726

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	376		ug/L		94	78 - 120		

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

Lab Sample ID: LCS 570-709726/3
Matrix: Water
Analysis Batch: 709726

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	84		38 - 134

Lab Sample ID: LCSD 570-709726/4
Matrix: Water
Analysis Batch: 709726

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	390		ug/L		97	78 - 120	4	10

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

Lab Sample ID: MRL 570-709726/5
Matrix: Water
Analysis Batch: 709726

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		74	50 - 150		

Surrogate	MRL %Recovery	MRL Qualifier	Limits
4-Bromofluorobenzene (Surr)	80		38 - 134

Lab Sample ID: 380-202475-C-1 MS
Matrix: Water
Analysis Batch: 709726

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	357		ug/L		89	68 - 122		

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		38 - 134

Lab Sample ID: 380-202475-C-1 MSD
Matrix: Water
Analysis Batch: 709726

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	360		ug/L		90	68 - 122	1	18

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

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

Lab Sample ID: MB 570-704786/1-A
Matrix: Water
Analysis Batch: 706200

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 704786

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<25		25		ug/L		03/05/26 09:25	03/08/26 23:39	1
Motor Oil Range Organics [C24-C36]	<25		25		ug/L		03/05/26 09:25	03/08/26 23:39	1
C8-C18	<25		25		ug/L		03/05/26 09:25	03/08/26 23:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*103*		*60 - 130*	*03/05/26 09:25*	*03/08/26 23:39*	*1*

Lab Sample ID: LCS 570-704786/2-A
Matrix: Water
Analysis Batch: 706200

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 704786

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28			1600	1990		ug/L		124	56 - 127		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane (Surr)	*106*		*60 - 130*

Lab Sample ID: LCSD 570-704786/3-A
Matrix: Water
Analysis Batch: 706200

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 704786

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28			1600	1460	*1	ug/L		91	56 - 127	31	23

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

Lab Sample ID: MRL 570-704786/4-A
Matrix: Water
Analysis Batch: 709512

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 704786

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28			0.0200	0.0228	J	mg/L		114	50 - 150		

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
n-Octacosane (Surr)	*105*		*60 - 130*

Lab Sample ID: 380-201163-C-1-A MS
Matrix: Water
Analysis Batch: 709512

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 704786

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28	<26	*1	1650	1860		ug/L		113	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
n-Octacosane (Surr)	*125*		*60 - 130*

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

Lab Sample ID: 380-201163-C-1-B MSD
Matrix: Water
Analysis Batch: 709512

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 704786

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28	<26	*1	1700	1710		ug/L		101	70 - 130	8	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
n-Octacosane (Surr)	*110*		*60 - 130*

GC/MS Semi VOA

Prep Batch: 211365

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-201167-1	Ka'amilo Wells Pump 2 (331-600-WL085)	Total/NA	Water	525.2	
MB 380-211365/21-A	Method Blank	Total/NA	Water	525.2	
LCS 380-211365/23-A	Lab Control Sample	Total/NA	Water	525.2	
MRL 380-211365/22-A	Lab Control Sample	Total/NA	Water	525.2	
380-201167-1 MS	Ka'amilo Wells Pump 2 (331-600-WL085)	Total/NA	Water	525.2	
380-201173-I-1-A DU	Duplicate	Total/NA	Water	525.2	

Analysis Batch: 211745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-201167-1	Ka'amilo Wells Pump 2 (331-600-WL085)	Total/NA	Water	525.2	211365
MB 380-211365/21-A	Method Blank	Total/NA	Water	525.2	211365
LCS 380-211365/23-A	Lab Control Sample	Total/NA	Water	525.2	211365
MRL 380-211365/22-A	Lab Control Sample	Total/NA	Water	525.2	211365
380-201167-1 MS	Ka'amilo Wells Pump 2 (331-600-WL085)	Total/NA	Water	525.2	211365
380-201173-I-1-A DU	Duplicate	Total/NA	Water	525.2	211365

Prep Batch: 704614

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-201167-1	Ka'amilo Wells Pump 2 (331-600-WL085)	Total/NA	Water	625.1	
MB 570-704614/1-A	Method Blank	Total/NA	Water	625.1	
LCS 570-704614/2-A	Lab Control Sample	Total/NA	Water	625.1	
LCSD 570-704614/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	
380-201163-A-1-A MS	Matrix Spike	Total/NA	Water	625.1	
380-201163-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	625.1	

Analysis Batch: 706228

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-201167-1	Ka'amilo Wells Pump 2 (331-600-WL085)	Total/NA	Water	625.1 SIM	704614
MB 570-704614/1-A	Method Blank	Total/NA	Water	625.1 SIM	704614
LCS 570-704614/2-A	Lab Control Sample	Total/NA	Water	625.1 SIM	704614
LCSD 570-704614/3-A	Lab Control Sample Dup	Total/NA	Water	625.1 SIM	704614
380-201163-A-1-A MS	Matrix Spike	Total/NA	Water	625.1 SIM	704614
380-201163-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	625.1 SIM	704614

Analysis Batch: 711803

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-201167-1	Ka'amilo Wells Pump 2 (331-600-WL085)	Total/NA	Water	625.1	704614
MB 570-704614/1-A	Method Blank	Total/NA	Water	625.1	704614

GC VOA

Analysis Batch: 709726

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-201167-1	Ka'amilo Wells Pump 2 (331-600-WL085)	Total/NA	Water	8015B GRO LL	
380-201167-2	TB: Ka'amilo Wells Pump 2 (331-600-WL085)	Total/NA	Water	8015B GRO LL	
MB 570-709726/6	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-709726/3	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-709726/4	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-709726/5	Lab Control Sample	Total/NA	Water	8015B GRO LL	
380-202475-C-1 MS	Matrix Spike	Total/NA	Water	8015B GRO LL	
380-202475-C-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: 380-201167-1
SDG: Weekly: Ka'amilo Wells Pump 2

GC Semi VOA

Prep Batch: 704786

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-201167-1	Ka'amilo Wells Pump 2 (331-600-WL085)	Total/NA	Water	3510C	
MB 570-704786/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-704786/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-704786/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MRL 570-704786/4-A	Lab Control Sample	Total/NA	Water	3510C	
380-201163-C-1-A MS	Matrix Spike	Total/NA	Water	3510C	
380-201163-C-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	

Analysis Batch: 706200

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-704786/1-A	Method Blank	Total/NA	Water	8015B	704786
LCS 570-704786/2-A	Lab Control Sample	Total/NA	Water	8015B	704786
LCSD 570-704786/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	704786

Analysis Batch: 709512

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-201167-1	Ka'amilo Wells Pump 2 (331-600-WL085)	Total/NA	Water	8015B	704786
MRL 570-704786/4-A	Lab Control Sample	Total/NA	Water	8015B	704786
380-201163-C-1-A MS	Matrix Spike	Total/NA	Water	8015B	704786
380-201163-C-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	8015B	704786

Lab Chronicle

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

Job ID: 380-201167-1
SDG: Weekly: Ka'amilo Wells Pump 2

Client Sample ID: Ka'amilo Wells Pump 2 (331-600-WL085)

Lab Sample ID: 380-201167-1

Date Collected: 03/02/26 13:10
Matrix: Water
Date Received: 03/04/26 10:01

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			211365	IQ42	EA POM	03/06/26 13:54
Total/NA	Analysis	525.2		1	211745	Q8LA	EA POM	03/09/26 09:26
Total/NA	Prep	625.1			704614	OAJ3	EET CAL 4	03/05/26 05:00
Total/NA	Analysis	625.1		1	711803	J7WE	EET CAL 4	03/19/26 16:03
Total/NA	Prep	625.1			704614	OAJ3	EET CAL 4	03/05/26 05:00
Total/NA	Analysis	625.1 SIM		1	706228	PQS1	EET CAL 4	03/09/26 09:15
Total/NA	Analysis	8015B GRO LL		1	709726	A9VE	EET CAL 4	03/16/26 16:02
Total/NA	Prep	3510C			704786	TVD6	EET CAL 4	03/05/26 09:26
Total/NA	Analysis	8015B		1	709512	H6FE	EET CAL 4	03/15/26 17:33

Client Sample ID: TB: Ka'amilo Wells Pump 2 (331-600-WL085)

Lab Sample ID: 380-201167-2

Date Collected: 03/02/26 13:10
Matrix: Water
Date Received: 03/04/26 10:01

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015B GRO LL		1	709726	A9VE	EET CAL 4	03/16/26 12:47

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: 380-201167-1
SDG: Weekly: Ka'amilo Wells Pump 2

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

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

Accreditation/Certification Summary

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

Job ID: 380-201167-1
SDG: Weekly: Ka'amilo Wells Pump 2

Laboratory: Eurofins Calscience (Continued)

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

Authority	Program	Identification Number	Expiration Date
California	State	3082	07-31-26
Kansas	NELAP	E-10420	07-31-26
Nevada	State	CA00111	07-31-26
Oregon	NELAP	4175	02-02-27
USDA	US Federal Programs	525-23-159-97150	06-08-26
Utah	NELAP	CA00111	03-01-27
Washington	State	C916	10-12-26

Method Summary

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

Job ID: 380-201167-1
SDG: Weekly: Ka'amilo Wells Pump 2

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: 380-201167-1
SDG: Weekly: Ka'amilo Wells Pump 2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
380-201167-1	Ka'amilo Wells Pump 2 (331-600-WL085)	Water	03/02/26 13:10	03/04/26 10:01	Hawaii
380-201167-2	TB: Ka'amilo Wells Pump 2 (331-600-WL085)	Water	03/02/26 13:10	03/04/26 10:01	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)	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:				R	RA	Q	QA	Y	I		
Ka'amilo Wells Pump 2	2-Mar-2026	1310	G	Water			2	3	2	2				
Ka'amilo Wells Pump 2 (Matrix Spike)				Water										
Ka'amilo Wells Pump 2 (Matrix Spike Duplicate)				Water										
TB: Ka'amilo Wells Pump 2	2-Mar-2026	1310		Water				2						

380-201167 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: FedX	
[redacted]	Date/Time: 03march2026 400	Company: HBWS	Received by: [signature] Mark Uratia	Date/Time: 3/4/26 1001	Company: EEA
	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: (631A) 1.8+0.2=2.0 961-frozen		

Ver: 04/02/2024

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

Chain of Custody Record

eurofins | Env

Loc: 380
201167

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Lopez, Maria	Carrier Tracking No(s): N/A	COC No: 380-310892.1
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 #: 380-201167-1
Address: 2841 Dow Avenue, Suite 100,	Due Date Requested: 3/17/2026			
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/C8-C18	8015B_GRO_LL/5030C(MOD) GRO	625.1_SIM/625_Prep(MOD) Extended PAH List	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
Ka'amilo Wells Pump 2 (380-201167-1)	3/2/26	13:10 Hawaiian	G	Water			X	X	X	7	MRLs are needed. Confirm any hits >RL.
TB: Ka'amilo Wells Pump 2 (380-201167-2)	3/2/26	13:10 Hawaiian	G	Water				X		2	MRLs are needed. Confirm any hits >RL.

380-201167 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	Mark Urrutia	3/4/26 1546	EEAP	lt	3-4-26 1546	WP
2	lt	3-4-26 1655	WP		3/4/26 1655	EEAP
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.7/1.6 IR-3

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-201167-1
SDG Number: Weekly: Ka'amilo Wells Pump 2

Login Number: 201167
List Number: 1
Creator: Segura, Ryan

List Source: Eurofins Pomona

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

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-201167-1
SDG Number: Weekly: Ka'amilo Wells Pump 2

Login Number: 201167
List Number: 2
Creator: Khana, Piyush

List Source: Eurofins Calscience
List Creation: 03/04/26 06:36 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	