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ANALYTICAL REPORT

PREPARED FOR

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City & County of Honolulu
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Public Service Bldg. Room 310
Honolulu, Hawaii 96843

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JOB DESCRIPTION

RED-HILL
Weekly: Ka'amilo Wells P2

JOB NUMBER

380-223442-1

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

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
^3+	Reporting Limit Check Standard 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
^3+	Reporting Limit Check Standard is outside acceptance limits, high biased

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
380-223442-1

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 7/8/2026 9:28 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 1.5°C.

GC/MS Semi VOA
Method 625.1: The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.
Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-767443.

Method 625.1 SIM: The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.
Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-767443.

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 method reporting limit check (MRL) for preparation batch 570-767699 and analytical batch 570-767924 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: 380-223442-1
SDG: Weekly: Ka'amilo Wells P2

Client Sample ID: Ka'amilo Wells P2 (331-600-WL085) — Lab Sample ID: 380-223442-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Dieldrin	0.083		0.0098		ug/L	1		525.2	Total/NA
Heptachlor epoxide (isomer B)	0.019		0.0098		ug/L	1		525.2	Total/NA

Client Sample ID: TB: Ka'amilo Wells P2 (331-600-WL085) — Lab Sample ID: 380-223442-2

No Detections.

This Detection Summary does not include radiochemical test results.

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

Job ID: 380-223442-1
SDG: Weekly: Ka'amilo Wells P2

Client Sample ID: Ka'amilo Wells P2 (331-600-WL085)
Date Collected: 07/06/26 13:06
Date Received: 07/08/26 09:28

Lab Sample ID: 380-223442-1
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.098		0.098		ug/L		07/10/26 10:16	07/13/26 16:26	1
2,4'-DDD	<0.098		0.098		ug/L		07/10/26 10:16	07/13/26 16:26	1
2,4'-DDE	<0.098		0.098		ug/L		07/10/26 10:16	07/13/26 16:26	1
2,4'-DDT	<0.098		0.098		ug/L		07/10/26 10:16	07/13/26 16:26	1
2,4-Dinitrotoluene	<0.098		0.098		ug/L		07/10/26 10:16	07/13/26 16:26	1
2,6-Dinitrotoluene	<0.098		0.098		ug/L		07/10/26 10:16	07/13/26 16:26	1
2-Methylnaphthalene	<0.098		0.098		ug/L		07/10/26 10:16	07/13/26 16:26	1
4,4'-DDD	<0.098		0.098		ug/L		07/10/26 10:16	07/13/26 16:26	1
4,4'-DDE	<0.098		0.098		ug/L		07/10/26 10:16	07/13/26 16:26	1
4,4'-DDT	<0.098		0.098		ug/L		07/10/26 10:16	07/13/26 16:26	1
Acenaphthene	<0.098		0.098		ug/L		07/10/26 10:16	07/13/26 16:26	1
Acenaphthylene	<0.098		0.098		ug/L		07/10/26 10:16	07/13/26 16:26	1
Acetochlor	<0.098		0.098		ug/L		07/10/26 10:16	07/13/26 16:26	1
Alachlor	<0.049		0.049		ug/L		07/10/26 10:16	07/13/26 16:26	1
alpha-BHC	<0.098		0.098		ug/L		07/10/26 10:16	07/13/26 16:26	1
alpha-Chlordane	<0.049		0.049		ug/L		07/10/26 10:16	07/13/26 16:26	1
Anthracene	<0.020		0.020		ug/L		07/10/26 10:16	07/13/26 16:26	1
Atrazine	<0.049		0.049		ug/L		07/10/26 10:16	07/13/26 16:26	1
Benz(a)anthracene	<0.049		0.049		ug/L		07/10/26 10:16	07/13/26 16:26	1
Benzo[a]pyrene	<0.020		0.020		ug/L		07/10/26 10:16	07/13/26 16:26	1
Benzo[b]fluoranthene	<0.020		0.020		ug/L		07/10/26 10:16	07/13/26 16:26	1
Benzo[g,h,i]perylene	<0.049		0.049		ug/L		07/10/26 10:16	07/13/26 16:26	1
Benzo[k]fluoranthene	<0.020		0.020		ug/L		07/10/26 10:16	07/13/26 16:26	1
beta-BHC	<0.098		0.098		ug/L		07/10/26 10:16	07/13/26 16:26	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59		ug/L		07/10/26 10:16	07/13/26 16:26	1
Bromacil	<0.098		0.098		ug/L		07/10/26 10:16	07/13/26 16:26	1
Butachlor	<0.049		0.049		ug/L		07/10/26 10:16	07/13/26 16:26	1
Butylbenzylphthalate	<0.49		0.49		ug/L		07/10/26 10:16	07/13/26 16:26	1
Chlorobenzilate	<0.098		0.098		ug/L		07/10/26 10:16	07/13/26 16:26	1
Chloroneb	<0.098		0.098		ug/L		07/10/26 10:16	07/13/26 16:26	1
Chlorothalonil (Draconil, Bravo)	<0.098		0.098		ug/L		07/10/26 10:16	07/13/26 16:26	1
Chlorpyrifos	<0.049		0.049		ug/L		07/10/26 10:16	07/13/26 16:26	1
Chrysene	<0.020		0.020		ug/L		07/10/26 10:16	07/13/26 16:26	1
delta-BHC	<0.098		0.098		ug/L		07/10/26 10:16	07/13/26 16:26	1
Di(2-ethylhexyl)adipate	<0.59		0.59		ug/L		07/10/26 10:16	07/13/26 16:26	1
Dibenz(a,h)anthracene	<0.049		0.049		ug/L		07/10/26 10:16	07/13/26 16:26	1
Diclorvos (DDVP)	<0.049		0.049		ug/L		07/10/26 10:16	07/13/26 16:26	1
Dieldrin	**0.083**		0.0098		ug/L		07/10/26 10:16	07/13/26 16:26	1
Diethylphthalate	<0.49		0.49		ug/L		07/10/26 10:16	07/13/26 16:26	1
Dimethylphthalate	<0.49		0.49		ug/L		07/10/26 10:16	07/13/26 16:26	1
Di-n-butyl phthalate	<0.98		0.98		ug/L		07/10/26 10:16	07/13/26 16:26	1
Di-n-octyl phthalate	<0.098		0.098		ug/L		07/10/26 10:16	07/13/26 16:26	1
Endosulfan I (Alpha)	<0.098		0.098		ug/L		07/10/26 10:16	07/13/26 16:26	1
Endosulfan II (Beta)	<0.098		0.098		ug/L		07/10/26 10:16	07/13/26 16:26	1
Endosulfan sulfate	<0.098		0.098		ug/L		07/10/26 10:16	07/13/26 16:26	1
Endrin	<0.0098		0.0098		ug/L		07/10/26 10:16	07/13/26 16:26	1
Endrin aldehyde	<0.098		0.098		ug/L		07/10/26 10:16	07/13/26 16:26	1
EPTC	<0.098		0.098		ug/L		07/10/26 10:16	07/13/26 16:26	1
Fluoranthene	<0.098		0.098		ug/L		07/10/26 10:16	07/13/26 16:26	1

Client Sample ID: Ka'amilo Wells P2 (331-600-WL085)

Lab Sample ID: 380-223442-1

Date Collected: 07/06/26 13:06
Matrix: Water
Date Received: 07/08/26 09:28

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		07/10/26 10:16	07/13/26 16:26	1
gamma-Chlordane	<0.049		0.049		ug/L		07/10/26 10:16	07/13/26 16:26	1
Heptachlor	<0.0098	^3+	0.0098		ug/L		07/10/26 10:16	07/13/26 16:26	1
Heptachlor epoxide (isomer B)	**0.019**		0.0098		ug/L		07/10/26 10:16	07/13/26 16:26	1
Hexachlorobenzene	<0.049		0.049		ug/L		07/10/26 10:16	07/13/26 16:26	1
Hexachlorocyclopentadiene	<0.049		0.049		ug/L		07/10/26 10:16	07/13/26 16:26	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049		ug/L		07/10/26 10:16	07/13/26 16:26	1
Isophorone	<0.098		0.098		ug/L		07/10/26 10:16	07/13/26 16:26	1
Lindane	<0.0098		0.0098		ug/L		07/10/26 10:16	07/13/26 16:26	1
Malathion	<0.098		0.098		ug/L		07/10/26 10:16	07/13/26 16:26	1
Methoxychlor	<0.049		0.049		ug/L		07/10/26 10:16	07/13/26 16:26	1
Metolachlor	<0.049		0.049		ug/L		07/10/26 10:16	07/13/26 16:26	1
Molinate	<0.098		0.098		ug/L		07/10/26 10:16	07/13/26 16:26	1
Naphthalene	<0.098		0.098		ug/L		07/10/26 10:16	07/13/26 16:26	1
Parathion	<0.098		0.098		ug/L		07/10/26 10:16	07/13/26 16:26	1
Pendimethalin (Penoxaline)	<0.098		0.098		ug/L		07/10/26 10:16	07/13/26 16:26	1
Phenanthrene	<0.039		0.039		ug/L		07/10/26 10:16	07/13/26 16:26	1
Propachlor	<0.049		0.049		ug/L		07/10/26 10:16	07/13/26 16:26	1
Pyrene	<0.049		0.049		ug/L		07/10/26 10:16	07/13/26 16:26	1
Simazine	<0.049		0.049		ug/L		07/10/26 10:16	07/13/26 16:26	1
Terbacil	<0.098		0.098		ug/L		07/10/26 10:16	07/13/26 16:26	1
Terbuthylazine	<0.098		0.098		ug/L		07/10/26 10:16	07/13/26 16:26	1
Thiobencarb	<0.098		0.098		ug/L		07/10/26 10:16	07/13/26 16:26	1
Total Permethrin (mixed isomers)	<0.20		0.20		ug/L		07/10/26 10:16	07/13/26 16:26	1
trans-Nonachlor	<0.049		0.049		ug/L		07/10/26 10:16	07/13/26 16:26	1
Trifluralin	<0.098		0.098		ug/L		07/10/26 10:16	07/13/26 16:26	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*	*07/10/26 10:16*	*07/13/26 16:26*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*101*		*70 - 130*	*07/10/26 10:16*	*07/13/26 16:26*	*1*
Perylene-d12	*93*		*70 - 130*	*07/10/26 10:16*	*07/13/26 16:26*	*1*
Triphenylphosphate	*109*		*70 - 130*	*07/10/26 10:16*	*07/13/26 16:26*	*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		07/11/26 13:37	07/14/26 01:40	1
2-Methylnaphthalene	<0.20		0.20		ug/L		07/11/26 13:37	07/14/26 01:40	1
Acenaphthene	<0.20		0.20		ug/L		07/11/26 13:37	07/14/26 01:40	1
Acenaphthylene	<0.20		0.20		ug/L		07/11/26 13:37	07/14/26 01:40	1
Anthracene	<0.20		0.20		ug/L		07/11/26 13:37	07/14/26 01:40	1
Benzo[a]anthracene	<0.20		0.20		ug/L		07/11/26 13:37	07/14/26 01:40	1
Benzo[a]pyrene	<0.20		0.20		ug/L		07/11/26 13:37	07/14/26 01:40	1
Benzo[b]fluoranthene	<0.20		0.20		ug/L		07/11/26 13:37	07/14/26 01:40	1
Benzo[g,h,i]perylene	<0.20		0.20		ug/L		07/11/26 13:37	07/14/26 01:40	1
Benzo[k]fluoranthene	<0.20		0.20		ug/L		07/11/26 13:37	07/14/26 01:40	1
Chrysene	<0.20		0.20		ug/L		07/11/26 13:37	07/14/26 01:40	1
Dibenz(a,h)anthracene	<0.20		0.20		ug/L		07/11/26 13:37	07/14/26 01:40	1
Fluoranthene	<0.20		0.20		ug/L		07/11/26 13:37	07/14/26 01:40	1

Client Sample ID: Ka'amilo Wells P2 (331-600-WL085)

Lab Sample ID: 380-223442-1

Date Collected: 07/06/26 13:06
Matrix: Water
Date Received: 07/08/26 09:28

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		07/11/26 13:37	07/14/26 01:40	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20		ug/L		07/11/26 13:37	07/14/26 01:40	1
Naphthalene	<0.20		0.20		ug/L		07/11/26 13:37	07/14/26 01:40	1
Phenanthrene	<0.20		0.20		ug/L		07/11/26 13:37	07/14/26 01:40	1
Pyrene	<0.20		0.20		ug/L		07/11/26 13:37	07/14/26 01:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*71*		*28 - 127*	*07/11/26 13:37*	*07/14/26 01:40*	*1*
2-Fluorobiphenyl (Surr)	*65*		*31 - 120*	*07/11/26 13:37*	*07/14/26 01:40*	*1*
2-Fluorophenol (Surr)	*43*		*17 - 120*	*07/11/26 13:37*	*07/14/26 01:40*	*1*
Nitrobenzene-d5 (Surr)	*65*		*27 - 120*	*07/11/26 13:37*	*07/14/26 01:40*	*1*
Phenol-d6 (Surr)	*23*		*10 - 120*	*07/11/26 13:37*	*07/14/26 01:40*	*1*
p-Terphenyl-d14 (Surr)	*64*		*45 - 120*	*07/11/26 13:37*	*07/14/26 01:40*	*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*	*07/11/26 13:37*	*07/15/26 11:17*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*60*		*33 - 139*	*07/11/26 13:37*	*07/15/26 11:17*	*1*
2-Fluorobiphenyl (Surr)	*66*		*33 - 126*	*07/11/26 13:37*	*07/15/26 11:17*	*1*
2-Fluorophenol (Surr)	*41*		*12 - 120*	*07/11/26 13:37*	*07/15/26 11:17*	*1*
Nitrobenzene-d5 (Surr)	*65*		*36 - 120*	*07/11/26 13:37*	*07/15/26 11:17*	*1*
Phenol-d6 (Surr)	*28*		*10 - 120*	*07/11/26 13:37*	*07/15/26 11:17*	*1*
p-Terphenyl-d14 (Surr)	*69*		*47 - 131*	*07/11/26 13:37*	*07/15/26 11:17*	*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			07/13/26 20:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*38 - 134*		*07/13/26 20:28*	*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)	<25		25		ug/L		07/12/26 08:59	07/13/26 18:07	1
Motor Oil Range Organics [C24-C36]	<25		25		ug/L		07/12/26 08:59	07/13/26 18:07	1
C8-C18	<25		25		ug/L		07/12/26 08:59	07/13/26 18:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*88*		*60 - 130*	*07/12/26 08:59*	*07/13/26 18:07*	*1*

Client Sample ID: TB: Ka'amilo Wells P2 (331-600-WL085)

Lab Sample ID: 380-223442-2

Date Collected: 07/06/26 13:06
Matrix: Water
Date Received: 07/08/26 09:28

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			07/13/26 16:05	1

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

Job ID: 380-223442-1
SDG: Weekly: Ka'amilo Wells P2

Client Sample ID: TB: Ka'amilo Wells P2 (331-600-WL085)
Date Collected: 07/06/26 13:06
Date Received: 07/08/26 09:28

Lab Sample ID: 380-223442-2
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		38 - 134		07/13/26 16:05	1

Action Limit Summary

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

Job ID: 380-223442-1
SDG: Weekly: Ka'amilo Wells P2

Client Sample ID: Ka'amilo Wells P2 (331-600-WL085)

Lab Sample ID: 380-223442-1

Compliance Check

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

Analyte	Result	Qualifier	Unit	EPAMCL Limit	RL	Method	Prep Type
Alachlor	<0.049		ug/L	2	0.049	525.2	Total/NA
Atrazine	<0.049		ug/L	3	0.049	525.2	Total/NA
Benzo[a]pyrene	<0.020		ug/L	0.2	0.020	525.2	Total/NA
Bis(2-ethylhexyl) phthalate	<0.59		ug/L	6	0.59	525.2	Total/NA
Di(2-ethylhexyl)adipate	<0.59		ug/L	400	0.59	525.2	Total/NA
Endrin	<0.0098		ug/L	2	0.0098	525.2	Total/NA
Heptachlor	<0.0098	^3+	ug/L	0.4	0.0098	525.2	Total/NA
Heptachlor epoxide (isomer B)	0.019		ug/L	0.2	0.0098	525.2	Total/NA
Hexachlorobenzene	<0.049		ug/L	1	0.049	525.2	Total/NA
Hexachlorocyclopentadiene	<0.049		ug/L	50	0.049	525.2	Total/NA
Lindane	<0.0098		ug/L	0.2	0.0098	525.2	Total/NA
Methoxychlor	<0.049		ug/L	40	0.049	525.2	Total/NA
Simazine	<0.049		ug/L	4	0.049	525.2	Total/NA
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: 380-223442-1
SDG: Weekly: Ka'amilo Wells P2

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

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

		Percent Surrogate Recovery (Acceptance Limits)								
Lab Sample ID	Client Sample ID	2NMX (70-130)	PRY (70-130)	TPP (70-130)						
380-223172-B-1-A MS	Matrix Spike	100	95	109						
380-223172-B-2-A DU	Duplicate	101	94	109						
380-223442-1	Ka'amilo Wells P2 (331-600-WL085)	101	93	109						
LCS 380-238841/23-A	Lab Control Sample	98	95	105						
MB 380-238841/21-A	Method Blank	100	89	102						
MRL 380-238841/22-A	Lab Control Sample	101	92	104						

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)								
Lab Sample ID	Client Sample ID	TBP (33-139)	FBP (33-126)	2FP (12-120)	NBZ (36-120)	PHL6 (10-120)	TPHd14 (47-131)			
380-223442-1	Ka'amilo Wells P2 (331-600-WL085)	60	66	41	65	28	69			
MB 570-767443/1-A	Method Blank	66	67	47	72	29	80			

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)								
Lab Sample ID	Client Sample ID	TBP (28-127)	FBP (31-120)	2FP (17-120)	NBZ (27-120)	PHL6 (10-120)	TPHd14 (45-120)			
380-223442-1	Ka'amilo Wells P2 (331-600-WL085)	71	65	43	65	23	64			
380-223448-A-1-A MS	Matrix Spike	84	80	56	69	36	87			
380-223448-A-1-B MSD	Matrix Spike Duplicate	88	83	56	71	36	91			
LCS 570-767443/2-A	Lab Control Sample	90	82	67	71	42	93			
LCSD 570-767443/3-A	Lab Control Sample Dup	88	81	71	73	45	96			
MB 570-767443/1-A	Method Blank	84	66	48	74	28	75			

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL6 = Phenol-d6 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)

Surrogate Summary

Client: City & County of Honolulu
Job ID: 380-223442-1
Project/Site: RED-HILL
SDG: Weekly: Ka'amilo Wells P2

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

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

		Percent Surrogate Recovery (Acceptance Limits)
		BFB1
Lab Sample ID	Client Sample ID	(38-134)
380-222429-C-1 MS	Matrix Spike	105
380-222429-C-1 MSD	Matrix Spike Duplicate	101
380-223442-1	Ka'amilo Wells P2 (331-600-WL085)	108
380-223442-2	TB: Ka'amilo Wells P2 (331-600-WL085)	102
LCS 570-767974/3	Lab Control Sample	97
LCSD 570-767974/4	Lab Control Sample Dup	99
MB 570-767974/6	Method Blank	104
MRL 570-767974/5	Lab Control Sample	99

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)
		OTCSN1
Lab Sample ID	Client Sample ID	(60-130)
380-223442-1	Ka'amilo Wells P2 (331-600-WL085)	88
380-223448-B-1-A MS	Matrix Spike	109
380-223448-B-1-B MSD	Matrix Spike Duplicate	97
LCS 570-767699/2-A	Lab Control Sample	110
LCSD 570-767699/3-A	Lab Control Sample Dup	93
MB 570-767699/1-A	Method Blank	92
MRL 570-767699/4-A	Lab Control Sample	116

Surrogate Legend

OTCSN = n-Octacosane (Surr)

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

Job ID: 380-223442-1
SDG: Weekly: Ka'amilo Wells P2

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

Lab Sample ID: MB 380-238841/21-A
Matrix: Water
Analysis Batch: 239172

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 238841

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.099		0.099		ug/L		07/10/26 10:16	07/13/26 08:13	1
2,4'-DDD	<0.099		0.099		ug/L		07/10/26 10:16	07/13/26 08:13	1
2,4'-DDE	<0.099		0.099		ug/L		07/10/26 10:16	07/13/26 08:13	1
2,4'-DDT	<0.099		0.099		ug/L		07/10/26 10:16	07/13/26 08:13	1
2,4-Dinitrotoluene	<0.099		0.099		ug/L		07/10/26 10:16	07/13/26 08:13	1
2,6-Dinitrotoluene	<0.099		0.099		ug/L		07/10/26 10:16	07/13/26 08:13	1
2-Methylnaphthalene	<0.099		0.099		ug/L		07/10/26 10:16	07/13/26 08:13	1
4,4'-DDD	<0.099		0.099		ug/L		07/10/26 10:16	07/13/26 08:13	1
4,4'-DDE	<0.099		0.099		ug/L		07/10/26 10:16	07/13/26 08:13	1
4,4'-DDT	<0.099		0.099		ug/L		07/10/26 10:16	07/13/26 08:13	1
Acenaphthene	<0.099		0.099		ug/L		07/10/26 10:16	07/13/26 08:13	1
Acenaphthylene	<0.099		0.099		ug/L		07/10/26 10:16	07/13/26 08:13	1
Acetochlor	<0.099		0.099		ug/L		07/10/26 10:16	07/13/26 08:13	1
Alachlor	<0.050		0.050		ug/L		07/10/26 10:16	07/13/26 08:13	1
alpha-BHC	<0.099		0.099		ug/L		07/10/26 10:16	07/13/26 08:13	1
alpha-Chlordane	<0.050		0.050		ug/L		07/10/26 10:16	07/13/26 08:13	1
Anthracene	<0.020		0.020		ug/L		07/10/26 10:16	07/13/26 08:13	1
Atrazine	<0.050		0.050		ug/L		07/10/26 10:16	07/13/26 08:13	1
Benz(a)anthracene	<0.050		0.050		ug/L		07/10/26 10:16	07/13/26 08:13	1
Benzo[a]pyrene	<0.020		0.020		ug/L		07/10/26 10:16	07/13/26 08:13	1
Benzo[b]fluoranthene	<0.020		0.020		ug/L		07/10/26 10:16	07/13/26 08:13	1
Benzo[g,h,i]perylene	<0.050		0.050		ug/L		07/10/26 10:16	07/13/26 08:13	1
Benzo[k]fluoranthene	<0.020		0.020		ug/L		07/10/26 10:16	07/13/26 08:13	1
beta-BHC	<0.099		0.099		ug/L		07/10/26 10:16	07/13/26 08:13	1
Bis(2-ethylhexyl) phthalate	<0.60		0.60		ug/L		07/10/26 10:16	07/13/26 08:13	1
Bromacil	<0.099		0.099		ug/L		07/10/26 10:16	07/13/26 08:13	1
Butachlor	<0.050		0.050		ug/L		07/10/26 10:16	07/13/26 08:13	1
Butylbenzylphthalate	<0.50		0.50		ug/L		07/10/26 10:16	07/13/26 08:13	1
Chlorobenzilate	<0.099		0.099		ug/L		07/10/26 10:16	07/13/26 08:13	1
Chloroneb	<0.099		0.099		ug/L		07/10/26 10:16	07/13/26 08:13	1
Chlorothalonil (Draconil, Bravo)	<0.099		0.099		ug/L		07/10/26 10:16	07/13/26 08:13	1
Chlorpyrifos	<0.050		0.050		ug/L		07/10/26 10:16	07/13/26 08:13	1
Chrysene	<0.020		0.020		ug/L		07/10/26 10:16	07/13/26 08:13	1
delta-BHC	<0.099		0.099		ug/L		07/10/26 10:16	07/13/26 08:13	1
Di(2-ethylhexyl)adipate	<0.60		0.60		ug/L		07/10/26 10:16	07/13/26 08:13	1
Dibenz(a,h)anthracene	<0.050		0.050		ug/L		07/10/26 10:16	07/13/26 08:13	1
Diclorvos (DDVP)	<0.050		0.050		ug/L		07/10/26 10:16	07/13/26 08:13	1
Dieldrin	<0.0099		0.0099		ug/L		07/10/26 10:16	07/13/26 08:13	1
Diethylphthalate	<0.50		0.50		ug/L		07/10/26 10:16	07/13/26 08:13	1
Dimethylphthalate	<0.50		0.50		ug/L		07/10/26 10:16	07/13/26 08:13	1
Di-n-butyl phthalate	<0.99		0.99		ug/L		07/10/26 10:16	07/13/26 08:13	1
Di-n-octyl phthalate	<0.099		0.099		ug/L		07/10/26 10:16	07/13/26 08:13	1
Endosulfan I (Alpha)	<0.099		0.099		ug/L		07/10/26 10:16	07/13/26 08:13	1
Endosulfan II (Beta)	<0.099		0.099		ug/L		07/10/26 10:16	07/13/26 08:13	1
Endosulfan sulfate	<0.099		0.099		ug/L		07/10/26 10:16	07/13/26 08:13	1
Endrin	<0.0099		0.0099		ug/L		07/10/26 10:16	07/13/26 08:13	1
Endrin aldehyde	<0.099		0.099		ug/L		07/10/26 10:16	07/13/26 08:13	1
EPTC	<0.099		0.099		ug/L		07/10/26 10:16	07/13/26 08:13	1

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

Lab Sample ID: MB 380-238841/21-A
Matrix: Water
Analysis Batch: 239172

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 238841

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	<0.099		0.099		ug/L		07/10/26 10:16	07/13/26 08:13	1
Fluorene	<0.050		0.050		ug/L		07/10/26 10:16	07/13/26 08:13	1
gamma-Chlordane	<0.050		0.050		ug/L		07/10/26 10:16	07/13/26 08:13	1
Heptachlor	<0.0099	^3+	0.0099		ug/L		07/10/26 10:16	07/13/26 08:13	1
Heptachlor epoxide (isomer B)	<0.0099		0.0099		ug/L		07/10/26 10:16	07/13/26 08:13	1
Hexachlorobenzene	<0.050		0.050		ug/L		07/10/26 10:16	07/13/26 08:13	1
Hexachlorocyclopentadiene	<0.050		0.050		ug/L		07/10/26 10:16	07/13/26 08:13	1
Indeno[1,2,3-cd]pyrene	<0.050		0.050		ug/L		07/10/26 10:16	07/13/26 08:13	1
Isophorone	<0.099		0.099		ug/L		07/10/26 10:16	07/13/26 08:13	1
Lindane	<0.0099		0.0099		ug/L		07/10/26 10:16	07/13/26 08:13	1
Malathion	<0.099		0.099		ug/L		07/10/26 10:16	07/13/26 08:13	1
Methoxychlor	<0.050		0.050		ug/L		07/10/26 10:16	07/13/26 08:13	1
Metolachlor	<0.050		0.050		ug/L		07/10/26 10:16	07/13/26 08:13	1
Molinate	<0.099		0.099		ug/L		07/10/26 10:16	07/13/26 08:13	1
Naphthalene	<0.099		0.099		ug/L		07/10/26 10:16	07/13/26 08:13	1
Parathion	<0.099		0.099		ug/L		07/10/26 10:16	07/13/26 08:13	1
Pendimethalin (Penoxaline)	<0.099		0.099		ug/L		07/10/26 10:16	07/13/26 08:13	1
Phenanthrene	<0.040		0.040		ug/L		07/10/26 10:16	07/13/26 08:13	1
Propachlor	<0.050		0.050		ug/L		07/10/26 10:16	07/13/26 08:13	1
Pyrene	<0.050		0.050		ug/L		07/10/26 10:16	07/13/26 08:13	1
Simazine	<0.050		0.050		ug/L		07/10/26 10:16	07/13/26 08:13	1
Terbacil	<0.099		0.099		ug/L		07/10/26 10:16	07/13/26 08:13	1
Terbuthylazine	<0.099		0.099		ug/L		07/10/26 10:16	07/13/26 08:13	1
Thiobencarb	<0.099		0.099		ug/L		07/10/26 10:16	07/13/26 08:13	1
Total Permethrin (mixed isomers)	<0.20		0.20		ug/L		07/10/26 10:16	07/13/26 08:13	1
trans-Nonachlor	<0.050		0.050		ug/L		07/10/26 10:16	07/13/26 08:13	1
Trifluralin	<0.099		0.099		ug/L		07/10/26 10:16	07/13/26 08:13	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Cyclopentene, 1,2,3,3,4-pentamethyl-	*0.965*	*T J N*	*ug/L*		*2.62*	*197390-29-7*	*07/10/26 10:16*	*07/13/26 08:13*	*1*
Undecane	*5.10*	*T J N*	*ug/L*		*3.22*	*1120-21-4*	*07/10/26 10:16*	*07/13/26 08:13*	*1*
13-Docosenamide, (Z)-	*0.616*	*T J N*	*ug/L*		*10.64*	*112-84-5*	*07/10/26 10:16*	*07/13/26 08:13*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*100*		*70 - 130*	*07/10/26 10:16*	*07/13/26 08:13*	*1*
Perylene-d12	*89*		*70 - 130*	*07/10/26 10:16*	*07/13/26 08:13*	*1*
Triphenylphosphate	*102*		*70 - 130*	*07/10/26 10:16*	*07/13/26 08:13*	*1*

Lab Sample ID: LCS 380-238841/23-A
Matrix: Water
Analysis Batch: 239172

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 238841

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	1.99	2.07		ug/L		104	70 - 130
2,4'-DDD	1.99	2.08		ug/L		105	70 - 130
2,4'-DDE	1.99	2.06		ug/L		104	70 - 130
2,4'-DDT	1.99	2.12		ug/L		107	70 - 130
2,4-Dinitrotoluene	1.99	2.20		ug/L		111	70 - 130

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

Lab Sample ID: LCS 380-238841/23-A
Matrix: Water
Analysis Batch: 239172

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 238841

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,6-Dinitrotoluene	1.99	2.11		ug/L		106	70 - 130
2-Methylnaphthalene	1.99	2.04		ug/L		103	70 - 130
4,4'-DDD	1.99	2.00		ug/L		101	70 - 130
4,4'-DDE	1.99	2.03		ug/L		102	70 - 130
4,4'-DDT	1.99	2.13		ug/L		107	70 - 130
Acenaphthene	1.99	2.00		ug/L		101	70 - 130
Acenaphthylene	1.99	1.74		ug/L		88	70 - 130
Acetochlor	1.99	2.22		ug/L		112	70 - 130
Alachlor	1.99	2.22		ug/L		112	70 - 130
alpha-BHC	1.99	2.14		ug/L		108	70 - 130
alpha-Chlordane	1.99	2.14		ug/L		108	70 - 130
Anthracene	1.99	1.95		ug/L		98	70 - 130
Atrazine	1.99	2.16		ug/L		109	70 - 130
Benz(a)anthracene	1.99	1.95		ug/L		98	70 - 130
Benzo[a]pyrene	1.99	2.00		ug/L		101	70 - 130
Benzo[b]fluoranthene	1.99	1.95		ug/L		98	70 - 130
Benzo[g,h,i]perylene	1.99	1.91		ug/L		96	70 - 130
Benzo[k]fluoranthene	1.99	2.02		ug/L		102	70 - 130
beta-BHC	1.99	2.09		ug/L		105	70 - 130
Bis(2-ethylhexyl) phthalate	1.99	2.01		ug/L		101	70 - 130
Bromacil	1.99	2.03		ug/L		102	70 - 130
Butachlor	1.99	2.30		ug/L		116	70 - 130
Butylbenzylphthalate	1.99	2.04		ug/L		103	70 - 130
Chlorobenzilate	1.99	2.08		ug/L		105	70 - 130
Chloroneb	1.99	2.03		ug/L		102	70 - 130
Chlorothalonil (Draconil, Bravo)	1.99	1.94		ug/L		98	70 - 130
Chlorpyrifos	1.99	2.21		ug/L		111	70 - 130
Chrysene	1.99	2.06		ug/L		104	70 - 130
delta-BHC	1.99	2.11		ug/L		106	70 - 130
Di(2-ethylhexyl)adipate	1.99	2.13		ug/L		107	70 - 130
Dibenz(a,h)anthracene	1.99	1.83		ug/L		92	70 - 130
Diclorvos (DDVP)	1.99	2.09		ug/L		105	70 - 130
Dieldrin	1.99	2.12		ug/L		107	70 - 130
Diethylphthalate	1.99	2.12		ug/L		107	70 - 130
Dimethylphthalate	1.99	2.21		ug/L		111	70 - 130
Di-n-butyl phthalate	3.97	4.12		ug/L		104	70 - 130
Di-n-octyl phthalate	1.99	2.03		ug/L		102	70 - 130
Endosulfan I (Alpha)	1.99	2.05		ug/L		103	70 - 130
Endosulfan II (Beta)	1.99	2.12		ug/L		107	70 - 130
Endosulfan sulfate	1.99	1.94		ug/L		98	70 - 130
Endrin	1.99	2.29		ug/L		115	70 - 130
Endrin aldehyde	1.99	2.09		ug/L		105	60 - 130
EPTC	1.99	2.15		ug/L		108	70 - 130
Fluoranthene	1.99	2.17		ug/L		109	70 - 130
Fluorene	1.99	1.99		ug/L		100	70 - 130
gamma-Chlordane	1.99	2.12		ug/L		106	70 - 130
Heptachlor	1.99	2.20		ug/L		111	70 - 130
Heptachlor epoxide (isomer B)	1.99	2.15		ug/L		108	70 - 130
Hexachlorobenzene	1.99	2.05		ug/L		103	70 - 130

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

Lab Sample ID: LCS 380-238841/23-A
Matrix: Water
Analysis Batch: 239172

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 238841

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Hexachlorocyclopentadiene	1.99	2.13		ug/L		107	70 - 130
Indeno[1,2,3-cd]pyrene	1.99	1.91		ug/L		96	70 - 130
Isophorone	1.99	2.18		ug/L		110	70 - 130
Lindane	1.99	2.20		ug/L		111	70 - 130
Malathion	1.99	2.12		ug/L		107	70 - 130
Methoxychlor	1.99	2.21		ug/L		111	70 - 130
Metolachlor	1.99	2.24		ug/L		113	70 - 130
Molinate	1.99	2.06		ug/L		103	70 - 130
Naphthalene	1.99	1.98		ug/L		100	70 - 130
Parathion	1.99	2.24		ug/L		113	70 - 130
Pendimethalin (Penoxaline)	1.99	2.27		ug/L		114	70 - 130
Phenanthrene	1.99	1.99		ug/L		100	70 - 130
Propachlor	1.99	2.30		ug/L		116	70 - 130
Pyrene	1.99	2.09		ug/L		105	70 - 130
Simazine	1.99	2.03		ug/L		102	70 - 130
Terbacil	1.99	2.26		ug/L		114	70 - 130
Terbuthylazine	1.99	2.26		ug/L		114	70 - 130
Thiobencarb	1.99	2.22		ug/L		111	70 - 130
trans-Nonachlor	1.99	2.19		ug/L		110	70 - 130
Trifluralin	1.99	2.14		ug/L		108	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Nitro-m-xylene	*98*		*70 - 130*
Perylene-d12	*95*		*70 - 130*
Triphenylphosphate	*105*		*70 - 130*

Lab Sample ID: MRL 380-238841/22-A
Matrix: Water
Analysis Batch: 239172

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 238841

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	0.0994	0.112		ug/L		113	50 - 150
2,4'-DDD	0.0994	0.0974	J	ug/L		98	50 - 150
2,4'-DDE	0.0994	0.111		ug/L		111	50 - 150
2,4'-DDT	0.0994	0.125		ug/L		126	50 - 150
2,4-Dinitrotoluene	0.0994	0.135		ug/L		136	50 - 150
2,6-Dinitrotoluene	0.0994	0.108		ug/L		109	50 - 150
2-Methylnaphthalene	0.0994	0.111		ug/L		112	50 - 150
4,4'-DDD	0.0994	0.115		ug/L		116	50 - 150
4,4'-DDE	0.0994	0.105		ug/L		106	50 - 150
4,4'-DDT	0.0994	0.110		ug/L		111	50 - 150
Acenaphthene	0.0994	0.0987	J	ug/L		99	50 - 150
Acenaphthylene	0.0994	0.0804	J	ug/L		81	50 - 150
Acetochlor	0.0994	0.126		ug/L		127	50 - 150
Alachlor	0.0497	0.0619		ug/L		125	50 - 150
alpha-BHC	0.0994	0.108		ug/L		109	50 - 150
alpha-Chlordane	0.0248	0.0319	J	ug/L		129	50 - 150
Anthracene	0.0199	0.0238		ug/L		120	50 - 150

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

Lab Sample ID: MRL 380-238841/22-A
Matrix: Water
Analysis Batch: 239172

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 238841

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Atrazine	0.0497	0.0591		ug/L		119	50 - 150
Benz(a)anthracene	0.0497	0.0556		ug/L		112	50 - 150
Benzo[a]pyrene	0.0199	0.0220		ug/L		111	50 - 150
Benzo[b]fluoranthene	0.0199	0.0246		ug/L		124	50 - 150
Benzo[g,h,i]perylene	0.0497	0.0499	J	ug/L		100	50 - 150
Benzo[k]fluoranthene	0.0199	0.0230		ug/L		116	50 - 150
beta-BHC	0.0994	0.114		ug/L		115	50 - 150
Bis(2-ethylhexyl) phthalate	0.596	0.626		ug/L		105	50 - 150
Bromacil	0.0994	0.127		ug/L		128	50 - 150
Butachlor	0.0497	0.0696		ug/L		140	50 - 150
Butylbenzylphthalate	0.497	0.553		ug/L		111	50 - 150
Chlorobenzilate	0.0994	0.115		ug/L		115	50 - 150
Chloroneb	0.0994	0.113		ug/L		113	50 - 150
Chlorothalonil (Draconil, Bravo)	0.0994	0.106		ug/L		107	50 - 150
Chlorpyrifos	0.0497	0.0559		ug/L		113	50 - 150
Chrysene	0.0199	0.0229		ug/L		115	50 - 150
delta-BHC	0.0994	0.111		ug/L		111	50 - 150
Di(2-ethylhexyl)adipate	0.596	0.662		ug/L		111	50 - 150
Dibenz(a,h)anthracene	0.0497	0.0521		ug/L		105	50 - 150
Diclorvos (DDVP)	0.0497	0.0630		ug/L		127	50 - 150
Dieldrin	0.00994	0.0134		ug/L		135	50 - 150
Diethylphthalate	0.497	0.546		ug/L		110	50 - 150
Dimethylphthalate	0.497	0.569		ug/L		115	50 - 150
Di-n-butyl phthalate	0.497	0.603	J	ug/L		121	49 - 243
Di-n-octyl phthalate	0.0994	0.104		ug/L		105	50 - 150
Endosulfan I (Alpha)	0.0994	0.120		ug/L		121	50 - 150
Endosulfan II (Beta)	0.0994	0.104		ug/L		105	50 - 150
Endosulfan sulfate	0.0994	0.113		ug/L		114	50 - 150
Endrin	0.00994	0.0136		ug/L		137	50 - 150
Endrin aldehyde	0.0994	0.117		ug/L		118	50 - 150
EPTC	0.0994	0.112		ug/L		113	50 - 150
Fluoranthene	0.0994	0.108		ug/L		109	50 - 150
Fluorene	0.0497	0.0547		ug/L		110	50 - 150
gamma-Chlordane	0.0248	0.0306	J	ug/L		123	50 - 150
Heptachlor	0.00994	0.0157	^3+	ug/L		158	50 - 150
Heptachlor epoxide (isomer B)	0.00994	0.0149		ug/L		150	50 - 150
Hexachlorobenzene	0.0497	0.0554		ug/L		111	50 - 150
Hexachlorocyclopentadiene	0.0497	0.0613		ug/L		123	50 - 150
Indeno[1,2,3-cd]pyrene	0.0497	0.0539		ug/L		108	50 - 150
Isophorone	0.0994	0.116		ug/L		117	50 - 150
Lindane	0.00994	0.0113		ug/L		114	50 - 150
Malathion	0.0994	0.123		ug/L		124	50 - 150
Methoxychlor	0.0497	0.0632		ug/L		127	50 - 150
Metolachlor	0.0497	0.0625		ug/L		126	50 - 150
Molinate	0.0994	0.112		ug/L		113	50 - 150
Naphthalene	0.0994	0.0959	J	ug/L		97	50 - 150
Parathion	0.0994	0.115		ug/L		116	50 - 150
Pendimethalin (Penoxaline)	0.0994	0.124		ug/L		125	50 - 150
Phenanthrene	0.0397	0.0446		ug/L		112	50 - 150

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

Lab Sample ID: MRL 380-238841/22-A
Matrix: Water
Analysis Batch: 239172

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 238841

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Propachlor			0.0497	0.0633		ug/L		127	50 - 150		
Pyrene			0.0497	0.0552		ug/L		111	50 - 150		
Simazine			0.0497	0.0534		ug/L		108	50 - 150		
Terbacil			0.0994	0.140		ug/L		141	50 - 150		
Terbuthylazine			0.0994	0.114		ug/L		114	50 - 150		
Thiobencarb			0.0994	0.119		ug/L		120	50 - 150		
trans-Nonachlor			0.0248	0.0331	J	ug/L		133	50 - 150		
Trifluralin			0.0994	0.125		ug/L		125	50 - 150		

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
2-Nitro-m-xylene	*101*		*70 - 130*
Perylene-d12	*92*		*70 - 130*
Triphenylphosphate	*104*		*70 - 130*

Lab Sample ID: 380-223172-B-1-A MS
Matrix: Water
Analysis Batch: 239172

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 238841

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
1-Methylnaphthalene	<0.099		1.96	2.07		ug/L		105	70 - 130		
2,4'-DDD	<0.099		1.96	2.11		ug/L		108	70 - 130		
2,4'-DDE	<0.099		1.96	2.05		ug/L		104	70 - 130		
2,4'-DDT	<0.099		1.96	2.07		ug/L		105	70 - 130		
2,4-Dinitrotoluene	<0.099		1.96	2.18		ug/L		111	70 - 130		
2,6-Dinitrotoluene	<0.099		1.96	2.08		ug/L		106	70 - 130		
2-Methylnaphthalene	<0.099		1.96	2.04		ug/L		104	70 - 130		
4,4'-DDD	<0.099		1.96	2.06		ug/L		105	70 - 130		
4,4'-DDE	<0.099		1.96	1.98		ug/L		101	70 - 130		
4,4'-DDT	<0.099		1.96	2.07		ug/L		106	70 - 130		
Acenaphthene	<0.099		1.96	1.99		ug/L		101	70 - 130		
Acenaphthylene	<0.099		1.96	1.91		ug/L		97	70 - 130		
Acetochlor	<0.099		1.96	2.31		ug/L		117	70 - 130		
Alachlor	<0.050		1.96	2.28		ug/L		116	70 - 130		
alpha-BHC	<0.099		1.96	2.12		ug/L		108	70 - 130		
alpha-Chlordane	<0.050		1.96	2.16		ug/L		110	70 - 130		
Anthracene	<0.020		1.96	1.96		ug/L		100	70 - 130		
Atrazine	<0.050		1.96	2.13		ug/L		106	70 - 130		
Benz(a)anthracene	<0.050		1.96	1.95		ug/L		100	70 - 130		
Benzo[a]pyrene	<0.020		1.96	2.00		ug/L		102	70 - 130		
Benzo[b]fluoranthene	<0.020		1.96	2.01		ug/L		102	70 - 130		
Benzo[g,h,i]perylene	<0.050		1.96	1.94		ug/L		99	70 - 130		
Benzo[k]fluoranthene	<0.020		1.96	2.01		ug/L		103	70 - 130		
beta-BHC	<0.099		1.96	2.02		ug/L		103	70 - 130		
Bis(2-ethylhexyl) phthalate	<0.60		1.96	1.89		ug/L		96	70 - 130		
Bromacil	<0.099		1.96	2.07		ug/L		105	70 - 130		
Butachlor	<0.050		1.96	2.43		ug/L		124	70 - 130		
Butylbenzylphthalate	<0.50		1.96	2.08		ug/L		106	70 - 130		
Chlorobenzilate	<0.099		1.96	2.23		ug/L		114	70 - 130		

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

Lab Sample ID: 380-223172-B-1-A MS
Matrix: Water
Analysis Batch: 239172

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 238841

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroneb	<0.099		1.96	2.03		ug/L		103	70 - 130
Chlorothalonil (Draconil, Bravo)	<0.099		1.96	2.05		ug/L		104	70 - 130
Chlorpyrifos	<0.050		1.96	2.22		ug/L		113	70 - 130
Chrysene	<0.020		1.96	2.09		ug/L		106	70 - 130
delta-BHC	<0.099		1.96	2.13		ug/L		109	70 - 130
Di(2-ethylhexyl)adipate	<0.60		1.96	1.99		ug/L		101	70 - 130
Dibenz(a,h)anthracene	<0.050		1.96	1.81		ug/L		92	70 - 130
Diclorvos (DDVP)	<0.050		1.96	2.09		ug/L		107	70 - 130
Dieldrin	<0.0099		1.96	2.17		ug/L		111	70 - 130
Diethylphthalate	<0.50		1.96	2.21		ug/L		99	70 - 130
Dimethylphthalate	<0.50		1.96	2.23		ug/L		113	70 - 130
Di-n-butyl phthalate	<0.99		3.93	5.03		ug/L		107	70 - 130
Di-n-octyl phthalate	<0.099		1.96	1.85		ug/L		94	70 - 130
Endosulfan I (Alpha)	<0.099		1.96	2.19		ug/L		112	70 - 130
Endosulfan II (Beta)	<0.099		1.96	2.27		ug/L		116	70 - 130
Endosulfan sulfate	<0.099		1.96	2.05		ug/L		104	70 - 130
Endrin	<0.0099		1.96	2.36		ug/L		120	70 - 130
Endrin aldehyde	<0.099		1.96	1.71		ug/L		87	60 - 130
EPTC	<0.099		1.96	2.17		ug/L		111	70 - 130
Fluoranthene	<0.099		1.96	2.18		ug/L		111	70 - 130
Fluorene	<0.050		1.96	1.98		ug/L		101	70 - 130
gamma-Chlordane	<0.050		1.96	2.19		ug/L		112	70 - 130
Heptachlor	<0.0099	^3+	1.96	2.29		ug/L		117	70 - 130
Heptachlor epoxide (isomer B)	<0.0099		1.96	2.26		ug/L		115	70 - 130
Hexachlorobenzene	<0.050		1.96	2.03		ug/L		103	70 - 130
Hexachlorocyclopentadiene	<0.050		1.96	2.13		ug/L		108	70 - 130
Indeno[1,2,3-cd]pyrene	<0.050		1.96	1.94		ug/L		99	70 - 130
Isophorone	<0.099		1.96	2.21		ug/L		112	70 - 130
Lindane	<0.0099		1.96	2.20		ug/L		112	70 - 130
Malathion	<0.099		1.96	2.22		ug/L		113	70 - 130
Methoxychlor	<0.050		1.96	2.33		ug/L		119	70 - 130
Metolachlor	<0.050		1.96	2.35		ug/L		118	70 - 130
Molinate	<0.099		1.96	2.07		ug/L		105	70 - 130
Naphthalene	<0.099		1.96	1.99		ug/L		101	70 - 130
Parathion	<0.099		1.96	2.36		ug/L		120	70 - 130
Pendimethalin (Penoxaline)	<0.099		1.96	2.39		ug/L		122	70 - 130
Phenanthrene	<0.040		1.96	2.00		ug/L		102	70 - 130
Propachlor	<0.050		1.96	2.34		ug/L		119	70 - 130
Pyrene	<0.050		1.96	2.09		ug/L		107	70 - 130
Simazine	<0.050		1.96	1.98		ug/L		100	70 - 130
Terbacil	<0.099		1.96	2.21		ug/L		112	70 - 130
Terbuthylazine	<0.099		1.96	2.20		ug/L		112	70 - 130
Thiobencarb	<0.099		1.96	2.24		ug/L		114	70 - 130
trans-Nonachlor	<0.050		1.96	2.22		ug/L		113	70 - 130
Trifluralin	<0.099		1.96	2.22		ug/L		113	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Nitro-m-xylene	*100*		*70 - 130*

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

Lab Sample ID: 380-223172-B-1-A MS
Matrix: Water
Analysis Batch: 239172

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 238841

Surrogate	MS %Recovery	MS Qualifier	Limits
Perylene-d12	*95*		*70 - 130*
Triphenylphosphate	*109*		*70 - 130*

Lab Sample ID: 380-223172-B-2-A DU
Matrix: Water
Analysis Batch: 239172

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 238841

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1-Methylnaphthalene	<0.097			<0.097		ug/L				NC	20
2,4'-DDD	<0.097			<0.097		ug/L				NC	20
2,4'-DDE	<0.097			<0.097		ug/L				NC	20
2,4'-DDT	<0.097			<0.097		ug/L				NC	20
2,4-Dinitrotoluene	<0.097			<0.097		ug/L				NC	20
2,6-Dinitrotoluene	<0.097			<0.097		ug/L				NC	20
2-Methylnaphthalene	<0.097			<0.097		ug/L				NC	20
4,4'-DDD	<0.097			<0.097		ug/L				NC	20
4,4'-DDE	<0.097			<0.097		ug/L				NC	20
4,4'-DDT	<0.097			<0.097		ug/L				NC	20
Acenaphthene	<0.097			<0.097		ug/L				NC	20
Acenaphthylene	<0.097			<0.097		ug/L				NC	20
Acetochlor	<0.097			<0.097		ug/L				NC	20
Alachlor	<0.049			<0.049		ug/L				NC	20
alpha-BHC	<0.097			<0.097		ug/L				NC	20
alpha-Chlordane	<0.049			<0.049		ug/L				NC	20
Anthracene	<0.019			<0.019		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	<0.019			<0.019		ug/L				NC	20
Benzo[b]fluoranthene	<0.019			<0.019		ug/L				NC	20
Benzo[g,h,i]perylene	<0.049			<0.049		ug/L				NC	20
Benzo[k]fluoranthene	<0.019			<0.019		ug/L				NC	20
beta-BHC	<0.097			<0.097		ug/L				NC	20
Bis(2-ethylhexyl) phthalate	<0.58			<0.58		ug/L				NC	20
Bromacil	<0.097			<0.097		ug/L				NC	20
Butachlor	<0.049			<0.049		ug/L				NC	20
Butylbenzylphthalate	<0.49			<0.49		ug/L				NC	20
Chlorobenzilate	<0.097			<0.097		ug/L				NC	20
Chloroneb	<0.097			<0.097		ug/L				NC	20
Chlorothalonil (Draconil, Bravo)	<0.097			<0.097		ug/L				NC	20
Chlorpyrifos	<0.049			<0.049		ug/L				NC	20
Chrysene	<0.019			<0.019		ug/L				NC	20
delta-BHC	<0.097			<0.097		ug/L				NC	20
Di(2-ethylhexyl)adipate	<0.58			<0.58		ug/L				NC	20
Dibenz(a,h)anthracene	<0.049			<0.049		ug/L				NC	20
Diclorvos (DDVP)	<0.049			<0.049		ug/L				NC	20
Dieldrin	<0.0097			<0.0097		ug/L				NC	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: 380-223172-B-2-A DU
Matrix: Water
Analysis Batch: 239172

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 238841

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Di-n-butyl phthalate	<0.97			<0.97		ug/L				NC	20
Di-n-octyl phthalate	<0.097			<0.097		ug/L				NC	20
Endosulfan I (Alpha)	<0.097			<0.097		ug/L				NC	20
Endosulfan II (Beta)	<0.097			<0.097		ug/L				NC	20
Endosulfan sulfate	<0.097			<0.097		ug/L				NC	20
Endrin	<0.0097			<0.0097		ug/L				NC	20
Endrin aldehyde	<0.097			<0.097		ug/L				NC	20
EPTC	<0.097			<0.097		ug/L				NC	20
Fluoranthene	<0.097			<0.097		ug/L				NC	20
Fluorene	<0.049			<0.049		ug/L				NC	20
gamma-Chlordane	<0.049			<0.049		ug/L				NC	20
Heptachlor	<0.0097	^3+		<0.0097		ug/L				NC	20
Heptachlor epoxide (isomer B)	<0.0097			<0.0097		ug/L				NC	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	<0.097			<0.097		ug/L				NC	20
Lindane	<0.0097			<0.0097		ug/L				NC	20
Malathion	<0.097			<0.097		ug/L				NC	20
Methoxychlor	<0.049			<0.049		ug/L				NC	20
Metolachlor	<0.049			<0.049		ug/L				NC	20
Molinate	<0.097			<0.097		ug/L				NC	20
Naphthalene	<0.097			<0.097		ug/L				NC	20
Parathion	<0.097			<0.097		ug/L				NC	20
Pendimethalin (Penoxaline)	<0.097			<0.097		ug/L				NC	20
Phenanthrene	<0.039			<0.039		ug/L				NC	20
Propachlor	<0.049			<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	<0.097			<0.097		ug/L				NC	20
Terbuthylazine	<0.097			<0.097		ug/L				NC	20
Thiobencarb	<0.097			<0.097		ug/L				NC	20
Total Permethrin (mixed isomers)	<0.19			<0.19		ug/L				NC	20
trans-Nonachlor	<0.049			<0.049		ug/L				NC	20
Trifluralin	<0.097			<0.097		ug/L				NC	20

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
2-Nitro-m-xylene	*101*		*70 - 130*
Perylene-d12	*94*		*70 - 130*
Triphenylphosphate	*109*		*70 - 130*

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

Lab Sample ID: MB 570-767443/1-A
Matrix: Water
Analysis Batch: 769166

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 767443

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	07/11/26 08:30	07/15/26 10:10	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	66		33 - 139	07/11/26 08:30	07/15/26 10:10	1
2-Fluorobiphenyl (Surr)	67		33 - 126	07/11/26 08:30	07/15/26 10:10	1
2-Fluorophenol (Surr)	47		12 - 120	07/11/26 08:30	07/15/26 10:10	1
Nitrobenzene-d5 (Surr)	72		36 - 120	07/11/26 08:30	07/15/26 10:10	1
Phenol-d6 (Surr)	29		10 - 120	07/11/26 08:30	07/15/26 10:10	1
p-Terphenyl-d14 (Surr)	80		47 - 131	07/11/26 08:30	07/15/26 10:10	1

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

Lab Sample ID: MB 570-767443/1-A
Matrix: Water
Analysis Batch: 768335

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 767443

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.20		0.20	ug/L		07/11/26 08:30	07/13/26 21:14	1
2-Methylnaphthalene	<0.20		0.20	ug/L		07/11/26 08:30	07/13/26 21:14	1
Acenaphthene	<0.20		0.20	ug/L		07/11/26 08:30	07/13/26 21:14	1
Acenaphthylene	<0.20		0.20	ug/L		07/11/26 08:30	07/13/26 21:14	1
Anthracene	<0.20		0.20	ug/L		07/11/26 08:30	07/13/26 21:14	1
Benzo[a]anthracene	<0.20		0.20	ug/L		07/11/26 08:30	07/13/26 21:14	1
Benzo[a]pyrene	<0.20		0.20	ug/L		07/11/26 08:30	07/13/26 21:14	1
Benzo[b]fluoranthene	<0.20		0.20	ug/L		07/11/26 08:30	07/13/26 21:14	1
Benzo[g,h,i]perylene	<0.20		0.20	ug/L		07/11/26 08:30	07/13/26 21:14	1
Benzo[k]fluoranthene	<0.20		0.20	ug/L		07/11/26 08:30	07/13/26 21:14	1
Chrysene	<0.20		0.20	ug/L		07/11/26 08:30	07/13/26 21:14	1
Dibenz(a,h)anthracene	<0.20		0.20	ug/L		07/11/26 08:30	07/13/26 21:14	1
Fluoranthene	<0.20		0.20	ug/L		07/11/26 08:30	07/13/26 21:14	1
Fluorene	<0.20		0.20	ug/L		07/11/26 08:30	07/13/26 21:14	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20	ug/L		07/11/26 08:30	07/13/26 21:14	1
Naphthalene	<0.20		0.20	ug/L		07/11/26 08:30	07/13/26 21:14	1
Phenanthrene	<0.20		0.20	ug/L		07/11/26 08:30	07/13/26 21:14	1
Pyrene	<0.20		0.20	ug/L		07/11/26 08:30	07/13/26 21:14	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	84		28 - 127	07/11/26 08:30	07/13/26 21:14	1
2-Fluorobiphenyl (Surr)	66		31 - 120	07/11/26 08:30	07/13/26 21:14	1
2-Fluorophenol (Surr)	48		17 - 120	07/11/26 08:30	07/13/26 21:14	1
Nitrobenzene-d5 (Surr)	74		27 - 120	07/11/26 08:30	07/13/26 21:14	1
Phenol-d6 (Surr)	28		10 - 120	07/11/26 08:30	07/13/26 21:14	1
p-Terphenyl-d14 (Surr)	75		45 - 120	07/11/26 08:30	07/13/26 21:14	1

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

Lab Sample ID: LCS 570-767443/2-A
Matrix: Water
Analysis Batch: 768335

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 767443

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1-Methylnaphthalene			20.0	13.4		ug/L		67	47 - 120		
2-Methylnaphthalene			20.0	12.3		ug/L		61	43 - 120		
Acenaphthene			20.0	16.6		ug/L		83	60 - 132		
Acenaphthylene			20.0	16.4		ug/L		82	54 - 126		
Anthracene			20.0	16.3		ug/L		82	43 - 120		
Benzo[a]anthracene			20.0	18.4		ug/L		92	42 - 133		
Benzo[a]pyrene			20.0	18.2		ug/L		91	32 - 148		
Benzo[b]fluoranthene			20.0	17.3		ug/L		86	42 - 140		
Benzo[g,h,i]perylene			20.0	17.2		ug/L		86	1 - 195		
Benzo[k]fluoranthene			20.0	17.1		ug/L		86	25 - 146		
Chrysene			20.0	17.2		ug/L		86	44 - 140		
Dibenz(a,h)anthracene			20.0	17.7		ug/L		88	1 - 200		
Fluoranthene			20.0	17.2		ug/L		86	43 - 121		
Fluorene			20.0	17.9		ug/L		89	70 - 120		
Indeno[1,2,3-cd]pyrene			20.0	17.6		ug/L		88	1 - 151		
Naphthalene			20.0	12.6		ug/L		63	36 - 120		
Phenanthrene			20.0	17.0		ug/L		85	65 - 120		
Pyrene			20.0	18.5		ug/L		93	70 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*90*		*28 - 127*
2-Fluorobiphenyl (Surr)	*82*		*31 - 120*
2-Fluorophenol (Surr)	*67*		*17 - 120*
Nitrobenzene-d5 (Surr)	*71*		*27 - 120*
Phenol-d6 (Surr)	*42*		*10 - 120*
p-Terphenyl-d14 (Surr)	*93*		*45 - 120*

Lab Sample ID: LCSD 570-767443/3-A
Matrix: Water
Analysis Batch: 768335

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 767443

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene			20.0	13.9		ug/L		69	47 - 120	3	20
2-Methylnaphthalene			20.0	12.4		ug/L		62	43 - 120	1	20
Acenaphthene			20.0	16.6		ug/L		83	60 - 132	0	29
Acenaphthylene			20.0	16.7		ug/L		83	54 - 126	2	45
Anthracene			20.0	16.0		ug/L		80	43 - 120	2	40
Benzo[a]anthracene			20.0	18.7		ug/L		94	42 - 133	2	32
Benzo[a]pyrene			20.0	18.7		ug/L		94	32 - 148	3	43
Benzo[b]fluoranthene			20.0	18.1		ug/L		91	42 - 140	5	43
Benzo[g,h,i]perylene			20.0	17.6		ug/L		88	1 - 195	2	61
Benzo[k]fluoranthene			20.0	17.4		ug/L		87	25 - 146	1	38
Chrysene			20.0	17.7		ug/L		88	44 - 140	3	53
Dibenz(a,h)anthracene			20.0	18.3		ug/L		92	1 - 200	4	75
Fluoranthene			20.0	17.1		ug/L		85	43 - 121	1	40
Fluorene			20.0	18.0		ug/L		90	70 - 120	0	23
Indeno[1,2,3-cd]pyrene			20.0	17.8		ug/L		89	1 - 151	1	60
Naphthalene			20.0	13.0		ug/L		65	36 - 120	2	39

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

Lab Sample ID: LCSD 570-767443/3-A
Matrix: Water
Analysis Batch: 768335

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 767443

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phenanthrene			20.0	16.9		ug/L		85	65 - 120	1	24
Pyrene			20.0	18.9		ug/L		94	70 - 120	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*88*		*28 - 127*
2-Fluorobiphenyl (Surr)	*81*		*31 - 120*
2-Fluorophenol (Surr)	*71*		*17 120*
Nitrobenzene-d5 (Surr)	*73*		*27 - 120*
Phenol-d6 (Surr)	*45*		*10 - 120*
p-Terphenyl-d14 (Surr)	*96*		*45 - 120*

Lab Sample ID: 380-223448-A-1-A MS
Matrix: Water
Analysis Batch: 768335

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 767443

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.19		19.6	13.9		ug/L		71	36 - 120
2-Methylnaphthalene	<0.19		19.6	12.6		ug/L		65	32 - 124
Acenaphthene	<0.19		19.6	16.0		ug/L		82	47 - 145
Acenaphthylene	<0.19		19.6	15.8		ug/L		81	33 - 145
Anthracene	<0.19		19.6	15.5		ug/L		79	27 - 133
Benzo[a]anthracene	<0.19		19.6	17.4		ug/L		89	33 - 143
Benzo[a]pyrene	<0.19		19.6	17.6		ug/L		90	17 - 163
Benzo[b]fluoranthene	<0.19		19.6	16.7		ug/L		86	24 - 159
Benzo[g,h,i]perylene	<0.19		19.6	15.9		ug/L		81	1 - 219
Benzo[k]fluoranthene	<0.19		19.6	15.7		ug/L		80	11 - 162
Chrysene	<0.19		19.6	16.3		ug/L		83	17 - 168
Dibenz(a,h)anthracene	<0.19		19.6	16.3		ug/L		83	1 - 227
Fluoranthene	<0.19		19.6	16.4		ug/L		84	26 - 137
Fluorene	<0.19		19.6	17.1		ug/L		87	59 - 121
Indeno[1,2,3-cd]pyrene	<0.19		19.6	16.5		ug/L		84	1 - 171
Naphthalene	<0.19		19.6	12.7		ug/L		65	21 - 133
Phenanthrene	<0.19		19.6	16.1		ug/L		82	54 - 120
Pyrene	<0.19		19.6	17.5		ug/L		90	52 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*84*		*28 - 127*
2-Fluorobiphenyl (Surr)	*80*		*31 - 120*
2-Fluorophenol (Surr)	*56*		*17 - 120*
Nitrobenzene-d5 (Surr)	*69*		*27 - 120*
Phenol-d6 (Surr)	*36*		*10 - 120*
p-Terphenyl-d14 (Surr)	*87*		*45 - 120*

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

Lab Sample ID: 380-223448-A-1-B MSD
Matrix: Water
Analysis Batch: 768335

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 767443

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	<0.19		19.5	14.0		ug/L		72	36 - 120	1	30
2-Methylnaphthalene	<0.19		19.5	12.7		ug/L		65	32 - 124	1	30
Acenaphthene	<0.19		19.5	16.3		ug/L		84	47 - 145	2	48
Acenaphthylene	<0.19		19.5	15.9		ug/L		82	33 - 145	1	74
Anthracene	<0.19		19.5	15.5		ug/L		80	27 - 133	0	66
Benzo[a]anthracene	<0.19		19.5	17.7		ug/L		91	33 - 143	2	53
Benzo[a]pyrene	<0.19		19.5	17.8		ug/L		92	17 - 163	1	72
Benzo[b]fluoranthene	<0.19		19.5	17.1		ug/L		88	24 - 159	2	71
Benzo[g,h,i]perylene	<0.19		19.5	16.3		ug/L		84	1 - 219	2	97
Benzo[k]fluoranthene	<0.19		19.5	16.0		ug/L		82	11 - 162	2	63
Chrysene	<0.19		19.5	16.6		ug/L		85	17 - 168	2	87
Dibenz(a,h)anthracene	<0.19		19.5	16.6		ug/L		85	1 - 227	2	126
Fluoranthene	<0.19		19.5	16.6		ug/L		85	26 - 137	1	66
Fluorene	<0.19		19.5	17.3		ug/L		89	59 - 121	1	38
Indeno[1,2,3-cd]pyrene	<0.19		19.5	16.8		ug/L		86	1 - 171	2	99
Naphthalene	<0.19		19.5	12.8		ug/L		66	21 - 133	1	65
Phenanthrene	<0.19		19.5	16.1		ug/L		83	54 - 120	0	39
Pyrene	<0.19		19.5	17.8		ug/L		91	52 - 120	2	49

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*88*		*28 - 127*
2-Fluorobiphenyl (Surr)	*83*		*31 - 120*
2-Fluorophenol (Surr)	*56*		*17 - 120*
Nitrobenzene-d5 (Surr)	*71*		*27 - 120*
Phenol-d6 (Surr)	*36*		*10 - 120*
p-Terphenyl-d14 (Surr)	*91*		*45 - 120*

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

Lab Sample ID: MB 570-767974/6
Matrix: Water
Analysis Batch: 767974

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			07/13/26 12:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*38 - 134*		*07/13/26 12:04*	*1*

Lab Sample ID: LCS 570-767974/3
Matrix: Water
Analysis Batch: 767974

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	370		ug/L		92	78 - 120		

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

Lab Sample ID: LCS 570-767974/3
Matrix: Water
Analysis Batch: 767974

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

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

Lab Sample ID: LCSD 570-767974/4
Matrix: Water
Analysis Batch: 767974

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		98	78 - 120	5	10

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

Lab Sample ID: MRL 570-767974/5
Matrix: Water
Analysis Batch: 767974

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	12.9		ug/L		129	50 - 150		

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

Lab Sample ID: 380-222429-C-1 MS
Matrix: Water
Analysis Batch: 767974

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	387		ug/L		97	68 - 122		

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

Lab Sample ID: 380-222429-C-1 MSD
Matrix: Water
Analysis Batch: 767974

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	397		ug/L		99	68 - 122	3	18

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

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

Lab Sample ID: MB 570-767699/1-A
Matrix: Water
Analysis Batch: 767924

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 767699

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<25		25		ug/L		07/12/26 08:59	07/13/26 15:59	1
Motor Oil Range Organics [C24-C36]	<25		25		ug/L		07/12/26 08:59	07/13/26 15:59	1
C8-C18	<25		25		ug/L		07/12/26 08:59	07/13/26 15:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*92*		*60 - 130*	*07/12/26 08:59*	*07/13/26 15:59*	*1*

Lab Sample ID: LCS 570-767699/2-A
Matrix: Water
Analysis Batch: 767924

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 767699

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28			1600	1670		ug/L		104	56 - 127		

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

Lab Sample ID: LCSD 570-767699/3-A
Matrix: Water
Analysis Batch: 767924

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 767699

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28			1600	1520		ug/L		95	56 - 127	9	23

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
n-Octacosane (Surr)	*93*		*60 - 130*

Lab Sample ID: MRL 570-767699/4-A
Matrix: Water
Analysis Batch: 767924

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 767699

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28			0.0200	0.0335	^3+	mg/L		167	50 - 150		

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
n-Octacosane (Surr)	*116*		*60 - 130*

Lab Sample ID: 380-223448-B-1-A MS
Matrix: Water
Analysis Batch: 767924

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 767699

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28	<25	^3+	1630	1780		ug/L		109	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
n-Octacosane (Surr)	*109*		*60 - 130*

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

Lab Sample ID: 380-223448-B-1-B MSD
Matrix: Water
Analysis Batch: 767924

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 767699

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28	<25	^3+	1640	1560		ug/L		95	70 - 130	13	20

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

GC/MS Semi VOA

Prep Batch: 238841

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-223442-1	Ka'amilo Wells P2 (331-600-WL085)	Total/NA	Water	525.2	
MB 380-238841/21-A	Method Blank	Total/NA	Water	525.2	
LCS 380-238841/23-A	Lab Control Sample	Total/NA	Water	525.2	
MRL 380-238841/22-A	Lab Control Sample	Total/NA	Water	525.2	
380-223172-B-1-A MS	Matrix Spike	Total/NA	Water	525.2	
380-223172-B-2-A DU	Duplicate	Total/NA	Water	525.2	

Analysis Batch: 239172

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-223442-1	Ka'amilo Wells P2 (331-600-WL085)	Total/NA	Water	525.2	238841
MB 380-238841/21-A	Method Blank	Total/NA	Water	525.2	238841
LCS 380-238841/23-A	Lab Control Sample	Total/NA	Water	525.2	238841
MRL 380-238841/22-A	Lab Control Sample	Total/NA	Water	525.2	238841
380-223172-B-1-A MS	Matrix Spike	Total/NA	Water	525.2	238841
380-223172-B-2-A DU	Duplicate	Total/NA	Water	525.2	238841

Prep Batch: 767443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-223442-1	Ka'amilo Wells P2 (331-600-WL085)	Total/NA	Water	625.1	
MB 570-767443/1-A	Method Blank	Total/NA	Water	625.1	
LCS 570-767443/2-A	Lab Control Sample	Total/NA	Water	625.1	
LCSD 570-767443/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	
380-223448-A-1-A MS	Matrix Spike	Total/NA	Water	625.1	
380-223448-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	625.1	

Analysis Batch: 768335

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-223442-1	Ka'amilo Wells P2 (331-600-WL085)	Total/NA	Water	625.1 SIM	767443
MB 570-767443/1-A	Method Blank	Total/NA	Water	625.1 SIM	767443
LCS 570-767443/2-A	Lab Control Sample	Total/NA	Water	625.1 SIM	767443
LCSD 570-767443/3-A	Lab Control Sample Dup	Total/NA	Water	625.1 SIM	767443
380-223448-A-1-A MS	Matrix Spike	Total/NA	Water	625.1 SIM	767443
380-223448-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	625.1 SIM	767443

Analysis Batch: 769166

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-223442-1	Ka'amilo Wells P2 (331-600-WL085)	Total/NA	Water	625.1	767443
MB 570-767443/1-A	Method Blank	Total/NA	Water	625.1	767443

GC VOA

Analysis Batch: 767974

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-223442-1	Ka'amilo Wells P2 (331-600-WL085)	Total/NA	Water	8015B GRO LL	
380-223442-2	TB: Ka'amilo Wells P2 (331-600-WL085)	Total/NA	Water	8015B GRO LL	
MB 570-767974/6	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-767974/3	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-767974/4	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-767974/5	Lab Control Sample	Total/NA	Water	8015B GRO LL	
380-222429-C-1 MS	Matrix Spike	Total/NA	Water	8015B GRO LL	
380-222429-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: 380-223442-1
SDG: Weekly: Ka'amilo Wells P2

GC Semi VOA

Prep Batch: 767699

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-223442-1	Ka'amilo Wells P2 (331-600-WL085)	Total/NA	Water	3510C	
MB 570-767699/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-767699/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-767699/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MRL 570-767699/4-A	Lab Control Sample	Total/NA	Water	3510C	
380-223448-B-1-A MS	Matrix Spike	Total/NA	Water	3510C	
380-223448-B-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	

Analysis Batch: 767924

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-223442-1	Ka'amilo Wells P2 (331-600-WL085)	Total/NA	Water	8015B	767699
MB 570-767699/1-A	Method Blank	Total/NA	Water	8015B	767699
LCS 570-767699/2-A	Lab Control Sample	Total/NA	Water	8015B	767699
LCSD 570-767699/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	767699
MRL 570-767699/4-A	Lab Control Sample	Total/NA	Water	8015B	767699
380-223448-B-1-A MS	Matrix Spike	Total/NA	Water	8015B	767699
380-223448-B-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	8015B	767699

Lab Chronicle

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

Job ID: 380-223442-1
SDG: Weekly: Ka'amilo Wells P2

Client Sample ID: Ka'amilo Wells P2 (331-600-WL085)

Lab Sample ID: 380-223442-1

Date Collected: 07/06/26 13:06
Matrix: Water
Date Received: 07/08/26 09:28

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			238841	OTM3	EA POM	07/10/26 10:16
Total/NA	Analysis	525.2		1	239172	Q8LA	EA POM	07/13/26 16:26
Total/NA	Prep	625.1			767443	KLZQ	EET CAL 4	07/11/26 13:37
Total/NA	Analysis	625.1		1	769166	PQS1	EET CAL 4	07/15/26 11:17
Total/NA	Prep	625.1			767443	KLZQ	EET CAL 4	07/11/26 13:37
Total/NA	Analysis	625.1 SIM		1	768335	S4EA	EET CAL 4	07/14/26 01:40
Total/NA	Analysis	8015B GRO LL		1	767974	7CF2	EET CAL 4	07/13/26 20:28
Total/NA	Prep	3510C			767699	TVD6	EET CAL 4	07/12/26 08:59
Total/NA	Analysis	8015B		1	767924	NR	EET CAL 4	07/13/26 18:07

Client Sample ID: TB: Ka'amilo Wells P2 (331-600-WL085)

Lab Sample ID: 380-223442-2

Date Collected: 07/06/26 13:06
Matrix: Water
Date Received: 07/08/26 09:28

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015B GRO LL		1	767974	7CF2	EET CAL 4	07/13/26 16:05

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: 380-223442-1
SDG: Weekly: Ka'amilo Wells P2

Laboratory: Eurofins Pomona

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

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

The following analytes are included in this report, but the laboratory is not certified by 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	11-17-26
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: 380-223442-1
SDG: Weekly: Ka'amilo Wells P2

Laboratory: Eurofins Calscience (Continued)

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

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

Method Summary

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

Job ID: 380-223442-1
SDG: Weekly: Ka'amilo Wells P2

Method	Method Description	Protocol	Laboratory
525.2	Semivolatile Organic Compounds (GC/MS)	EPA	EA POM
625.1	Semivolatile Organic Compounds (GC/MS)	EPA	EET CAL 4
625.1 SIM	Semivolatile Organic Compounds GC/MS (SIM)	EPA	EET CAL 4
8015B GRO LL	Gasoline Range Organics - (GC)	SW846	EET CAL 4
8015B	Diesel Range Organics (DRO) (GC) Low Level	SW846	EET CAL 4
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET CAL 4
5030C	Purge and Trap	SW846	EET CAL 4
525.2	Extraction of Semivolatile Compounds	EPA	EA POM
625.1	Liquid-Liquid Extraction	40CFR136A	EET CAL 4

Protocol References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater ", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.
EPA = US Environmental Protection Agency
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EA POM = Eurofins Pomona, 941 Corporate Center Drive, Pomona, CA 91768-2642, TEL (626)386-1100
EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Sample Summary

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

Job ID: 380-223442-1
SDG: Weekly: Ka'amilo Wells P2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
380-223442-1	Ka'amilo Wells P2 (331-600-WL085)	Water	07/06/26 13:06	07/08/26 09:28	Hawaii
380-223442-2	TB: Ka'amilo Wells P2 (331-600-WL085)	Water	07/06/26 13:06	07/08/26 09:28	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	Analysis Requested		Job #:
Address: 630 South Beretania Street Chemistry Lab	Due Date Requested			Preservation Codes: R - NaThioSO4; RA - NaThio/HCl; Q - Na2SO3; QA - Na2SO3/HCl; Y Trizma; I - NH4 Acetate
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 #:			Other:
Project Name: RED-HILL/HBWS Sites Event Desc: RUSH Weekly Red Hill	Project #: 38001111			
Site: Hawaii	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	625.1, 625.1_SIM	8015B_GRO_LL - (MOD) GRO	8015B_DRO_LL_CS - HNL Ranges. C10-C24/C24-C36/C8-C18	525.2_PREC - (MOD) 525plus Plus TICs	537.1_DW_PREC - 537.1 Full List	533 - All Analytes	Total Number of containers	Special Instructions/Note:
			Preservation Code:				R	RA	Q	QA	Y	I		
Ka'amilo Wells P2 (331-600-WL085)	6-Jul-2026	1306	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 P2 (331-600-WL085)	6-Jul-2026	1306		Water				2						

380 223442 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: 07JULY2026 1400	Company: HBWS	Received by: [signature] Date/Time: 07/08/26 09:28 Company: ECAP
Relinquished by:	Date/Time	Company	Received by	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact	Custody Seal No	Cooler Temperature(s) °C and Other Remarks
Δ Yes Δ No		757A/B -0.0 +1.5 GEL FROZEN

Ver: 04/02/2024

ORIGIN ID HIKA (808) 748-5840
BWS CHEMLAB
HONOLULU BOARD OF WATER SUPPLY
630 S. BERETANIA ST
CHEMICAL LABORATORY
HONOLULU, HI 96843
UNITED STATES US

SHIP DATE 07JUL26
ACTWGT 56.00 LB
CAD 258050552/INET4535

BILL RECIPIENT

TO EUROFINS RECEIVING DEPARTMENT
EUROFINS DRINKING WATER TESTING
941 CORPORATE CENTER DR

POMONA CA 91768
(626) 386-1100 REF
INV:
PO: DEPT.

58KJ2/DC4A/484B

FedEx Express

J26102612001uv

3 of 5
MPS# 0263 8740 7087 7724
Mstr# 8740 7087 7702

WED - 08 JUL 10:30A
PRIORITY OVERNIGHT

0201

91768
ONT

WM ONTA
CA-US

630A 5-1-0.1=5-0 GEL

7/8/26 0928

After printing this label:
CONSIGNEE COPY - PLEASE PLACE IN FRONT OF POUCH
1. Fold the printed page along the horizontal line.
2. Place label in shipping pouch and affix it to your shipment.

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

Chain of Custody Record

eurofins | Env

Loc: 380
223442

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Lopez, Maria	Carrier Tracking No(s): N/A	COC No: 380-355251.1
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 #: 380-223442-1
Address: 2841 Dow Avenue, Suite 100,	Due Date Requested: 7/21/2026			
City: Tustin	TAT Requested (days): N/A			
State, Zip: CA, 92780				
Phone: 714-895-5494(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: RED-HILL	Project #: 38001111			
Site: Honolulu BWS Sites	SSOW#: N/A			

Analysis Requested

Preservation Codes:
-

Other:
N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015B_DRO_LL_CS/3510C_LL/HNL Ranges: C10-C24/C24-C36/C8-C18	8015B_GRO_LL/5030C(MOD) GRO	625.1_SIM/625_Prep(MOD) Extended PAH List	625.1/625_Prep(MOD) Tentatively Identified Compounds (Hold)	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
Ka'amilo Wells P2 (331-600-WL085) (380-223442-1)	7/6/26	13:06 Hawaiian	G	Water			X	X	X	X	7	MRLs are needed. Confirm any hits >RL
TB: Ka'amilo Wells P2 (331-600-WL085) (380-223442-2)	7/6/26	13:06 Hawaiian	G	Water				X			2	MRLs are needed. Confirm any hits >RL

380-223442 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	[signature]	7/9/26 1210	884	[signature]	7/9/26 1210	EL
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	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: 2.4/2.5 IR-4

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-223442-1
SDG Number: Weekly: Ka'amilo Wells P2

Login Number: 223442
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: 380-223442-1
SDG Number: Weekly: Ka'amilo Wells P2

Login Number: 223442
List Number: 2
Creator: Khana, Piyush

List Source: Eurofins Calscience
List Creation: 07/09/26 05:13 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	2.5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	fgf5
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	