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ANALYTICAL REPORT

PREPARED FOR

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

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JOB DESCRIPTION

RED-HILL
Weekly: Moanalua Wells P1

JOB NUMBER

380-213657-1

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: 380-213657-1
SDG: Weekly: Moanalua Wells P1

Qualifiers

GC/MS 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.

GC/MS Semi VOA TICs

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

Glossary

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

Job Narrative
380-213657-1

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 5/13/2026 9:28 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.6°C and 3.0°C.

GC/MS Semi VOA
Method 625.1 SIM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 570-740088 and analytical batch 570-740892 recovered outside control limits for the following analytes: 1-Methylnaphthalene and 2-Methylnaphthalene. 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.

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

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

Detection Summary

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

Job ID: 380-213657-1
SDG: Weekly: Moanalua Wells P1

Client Sample ID: MOANALUA WELLS P1 — Lab Sample ID: 380-213657-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Dieldrin	0.027		0.0098		ug/L	1		525.2	Total/NA

Client Sample ID: FB: MOANALUA WELLS P1 — Lab Sample ID: 380-213657-2

No Detections.

This Detection Summary does not include radiochemical test results.

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

Job ID: 380-213657-1
SDG: Weekly: Moanalua Wells P1

Client Sample ID: MOANALUA WELLS P1
Date Collected: 05/11/26 09:15
Date Received: 05/13/26 09:28

Lab Sample ID: 380-213657-1
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		05/17/26 19:14	05/18/26 11:56	1
2,4'-DDD	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 11:56	1
2,4'-DDE	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 11:56	1
2,4'-DDT	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 11:56	1
2,4-Dinitrotoluene	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 11:56	1
2,6-Dinitrotoluene	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 11:56	1
2-Methylnaphthalene	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 11:56	1
4,4'-DDD	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 11:56	1
4,4'-DDE	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 11:56	1
4,4'-DDT	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 11:56	1
Acenaphthene	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 11:56	1
Acenaphthylene	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 11:56	1
Acetochlor	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 11:56	1
Alachlor	<0.049		0.049		ug/L		05/17/26 19:14	05/18/26 11:56	1
alpha-BHC	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 11:56	1
alpha-Chlordane	<0.049		0.049		ug/L		05/17/26 19:14	05/18/26 11:56	1
Anthracene	<0.020		0.020		ug/L		05/17/26 19:14	05/18/26 11:56	1
Atrazine	<0.049		0.049		ug/L		05/17/26 19:14	05/18/26 11:56	1
Benz(a)anthracene	<0.049		0.049		ug/L		05/17/26 19:14	05/18/26 11:56	1
Benzo[a]pyrene	<0.020		0.020		ug/L		05/17/26 19:14	05/18/26 11:56	1
Benzo[b]fluoranthene	<0.020		0.020		ug/L		05/17/26 19:14	05/18/26 11:56	1
Benzo[g,h,i]perylene	<0.049		0.049		ug/L		05/17/26 19:14	05/18/26 11:56	1
Benzo[k]fluoranthene	<0.020		0.020		ug/L		05/17/26 19:14	05/18/26 11:56	1
beta-BHC	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 11:56	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59		ug/L		05/17/26 19:14	05/18/26 11:56	1
Bromacil	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 11:56	1
Butachlor	<0.049		0.049		ug/L		05/17/26 19:14	05/18/26 11:56	1
Butylbenzylphthalate	<0.49		0.49		ug/L		05/17/26 19:14	05/18/26 11:56	1
Chlorobenzilate	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 11:56	1
Chloroneb	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 11:56	1
Chlorothalonil (Draconil, Bravo)	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 11:56	1
Chlorpyrifos	<0.049		0.049		ug/L		05/17/26 19:14	05/18/26 11:56	1
Chrysene	<0.020		0.020		ug/L		05/17/26 19:14	05/18/26 11:56	1
delta-BHC	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 11:56	1
Di(2-ethylhexyl)adipate	<0.59		0.59		ug/L		05/17/26 19:14	05/18/26 11:56	1
Dibenz(a,h)anthracene	<0.049		0.049		ug/L		05/17/26 19:14	05/18/26 11:56	1
Diclorvos (DDVP)	<0.049		0.049		ug/L		05/17/26 19:14	05/18/26 11:56	1
Dieldrin	**0.027**		0.0098		ug/L		05/17/26 19:14	05/18/26 11:56	1
Diethylphthalate	<0.49		0.49		ug/L		05/17/26 19:14	05/18/26 11:56	1
Dimethylphthalate	<0.49		0.49		ug/L		05/17/26 19:14	05/18/26 11:56	1
Di-n-butyl phthalate	<0.98		0.98		ug/L		05/17/26 19:14	05/18/26 11:56	1
Di-n-octyl phthalate	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 11:56	1
Endosulfan I (Alpha)	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 11:56	1
Endosulfan II (Beta)	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 11:56	1
Endosulfan sulfate	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 11:56	1
Endrin	<0.0098		0.0098		ug/L		05/17/26 19:14	05/18/26 11:56	1
Endrin aldehyde	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 11:56	1
EPTC	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 11:56	1
Fluoranthene	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 11:56	1

Client Sample ID: MOANALUA WELLS P1
Date Collected: 05/11/26 09:15
Date Received: 05/13/26 09:28

Lab Sample ID: 380-213657-1
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		05/17/26 19:14	05/18/26 11:56	1
gamma-Chlordane	<0.049		0.049		ug/L		05/17/26 19:14	05/18/26 11:56	1
Heptachlor	<0.0098		0.0098		ug/L		05/17/26 19:14	05/18/26 11:56	1
Heptachlor epoxide (isomer B)	<0.0098		0.0098		ug/L		05/17/26 19:14	05/18/26 11:56	1
Hexachlorobenzene	<0.049		0.049		ug/L		05/17/26 19:14	05/18/26 11:56	1
Hexachlorocyclopentadiene	<0.049		0.049		ug/L		05/17/26 19:14	05/18/26 11:56	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049		ug/L		05/17/26 19:14	05/18/26 11:56	1
Isophorone	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 11:56	1
Lindane	<0.0098		0.0098		ug/L		05/17/26 19:14	05/18/26 11:56	1
Malathion	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 11:56	1
Methoxychlor	<0.049		0.049		ug/L		05/17/26 19:14	05/18/26 11:56	1
Metolachlor	<0.049		0.049		ug/L		05/17/26 19:14	05/18/26 11:56	1
Molinate	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 11:56	1
Naphthalene	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 11:56	1
Parathion	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 11:56	1
Pendimethalin (Penoxaline)	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 11:56	1
Phenanthrene	<0.039		0.039		ug/L		05/17/26 19:14	05/18/26 11:56	1
Propachlor	<0.049		0.049		ug/L		05/17/26 19:14	05/18/26 11:56	1
Pyrene	<0.049		0.049		ug/L		05/17/26 19:14	05/18/26 11:56	1
Simazine	<0.049		0.049		ug/L		05/17/26 19:14	05/18/26 11:56	1
Terbacil	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 11:56	1
Terbuthylazine	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 11:56	1
Thiobencarb	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 11:56	1
Total Permethrin (mixed isomers)	<0.20		0.20		ug/L		05/17/26 19:14	05/18/26 11:56	1
trans-Nonachlor	<0.049		0.049		ug/L		05/17/26 19:14	05/18/26 11:56	1
Trifluralin	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 11:56	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*	*05/17/26 19:14*	*05/18/26 11:56*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*97*		*70 - 130*	*05/17/26 19:14*	*05/18/26 11:56*	*1*
Perylene-d12	*89*		*70 - 130*	*05/17/26 19:14*	*05/18/26 11:56*	*1*
Triphenylphosphate	*96*		*70 - 130*	*05/17/26 19:14*	*05/18/26 11:56*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.19	*1	0.19		ug/L		05/17/26 08:58	05/19/26 13:17	1
2-Methylnaphthalene	<0.19	*1	0.19		ug/L		05/17/26 08:58	05/19/26 13:17	1
Acenaphthene	<0.19		0.19		ug/L		05/17/26 08:58	05/19/26 13:17	1
Acenaphthylene	<0.19		0.19		ug/L		05/17/26 08:58	05/19/26 13:17	1
Anthracene	<0.19		0.19		ug/L		05/17/26 08:58	05/19/26 13:17	1
Benzo[a]anthracene	<0.19		0.19		ug/L		05/17/26 08:58	05/19/26 13:17	1
Benzo[a]pyrene	<0.19		0.19		ug/L		05/17/26 08:58	05/19/26 13:17	1
Benzo[b]fluoranthene	<0.19		0.19		ug/L		05/17/26 08:58	05/19/26 13:17	1
Benzo[g,h,i]perylene	<0.19		0.19		ug/L		05/17/26 08:58	05/19/26 13:17	1
Benzo[k]fluoranthene	<0.19		0.19		ug/L		05/17/26 08:58	05/19/26 13:17	1
Chrysene	<0.19		0.19		ug/L		05/17/26 08:58	05/19/26 13:17	1
Dibenz(a,h)anthracene	<0.19		0.19		ug/L		05/17/26 08:58	05/19/26 13:17	1
Fluoranthene	<0.19		0.19		ug/L		05/17/26 08:58	05/19/26 13:17	1

Client Sample ID: MOANALUA WELLS P1

Lab Sample ID: 380-213657-1

Date Collected: 05/11/26 09:15
Date Received: 05/13/26 09:28

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.19		0.19		ug/L		05/17/26 08:58	05/19/26 13:17	1
Indeno[1,2,3-cd]pyrene	<0.19		0.19		ug/L		05/17/26 08:58	05/19/26 13:17	1
Naphthalene	<0.19		0.19		ug/L		05/17/26 08:58	05/19/26 13:17	1
Phenanthrene	<0.19		0.19		ug/L		05/17/26 08:58	05/19/26 13:17	1
Pyrene	<0.19		0.19		ug/L		05/17/26 08:58	05/19/26 13:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*85*		*28 - 127*	*05/17/26 08:58*	*05/19/26 13:17*	*1*
2-Fluorobiphenyl (Surr)	*71*		*31 - 120*	*05/17/26 08:58*	*05/19/26 13:17*	*1*
2-Fluorophenol (Surr)	*42*		*17 - 120*	*05/17/26 08:58*	*05/19/26 13:17*	*1*
Nitrobenzene-d5 (Surr)	*73*		*27 - 120*	*05/17/26 08:58*	*05/19/26 13:17*	*1*
Phenol-d6 (Surr)	*27*		*10 - 120*	*05/17/26 08:58*	*05/19/26 13:17*	*1*
p-Terphenyl-d14 (Surr)	*74*		*45 - 120*	*05/17/26 08:58*	*05/19/26 13:17*	*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*	*05/17/26 08:58*	*05/26/26 10:52*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*70*		*33 - 139*	*05/17/26 08:58*	*05/26/26 10:52*	*1*
2-Fluorobiphenyl (Surr)	*81*		*33 - 126*	*05/17/26 08:58*	*05/26/26 10:52*	*1*
2-Fluorophenol (Surr)	*51*		*12 - 120*	*05/17/26 08:58*	*05/26/26 10:52*	*1*
Nitrobenzene-d5 (Surr)	*80*		*36 - 120*	*05/17/26 08:58*	*05/26/26 10:52*	*1*
Phenol-d6 (Surr)	*29*		*10 - 120*	*05/17/26 08:58*	*05/26/26 10:52*	*1*
p-Terphenyl-d14 (Surr)	*83*		*47 - 131*	*05/17/26 08:58*	*05/26/26 10:52*	*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			05/19/26 03:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*38 - 134*		*05/19/26 03:32*	*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		05/15/26 07:20	05/17/26 02:31	1
Motor Oil Range Organics [C24-C36]	<25		25		ug/L		05/15/26 07:20	05/17/26 02:31	1
C8-C18	<25		25		ug/L		05/15/26 07:20	05/17/26 02:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*120*		*60 - 130*	*05/15/26 07:20*	*05/17/26 02:31*	*1*

Client Sample ID: FB: MOANALUA WELLS P1

Lab Sample ID: 380-213657-2

Date Collected: 05/11/26 09:15
Date Received: 05/13/26 09:28

Matrix: Water

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			05/19/26 00:51	1

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

Job ID: 380-213657-1
SDG: Weekly: Moanalua Wells P1

Client Sample ID: FB: MOANALUA WELLS P1
Date Collected: 05/11/26 09:15
Date Received: 05/13/26 09:28

Lab Sample ID: 380-213657-2
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		38 - 134		05/19/26 00:51	1

Action Limit Summary

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

Job ID: 380-213657-1
SDG: Weekly: Moanalua Wells P1

Client Sample ID: MOANALUA WELLS P1

Lab Sample ID: 380-213657-1

Compliance Check

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

Analyte	Result	Qualifier	Unit	EPAMCL Limit	RL	Method	Prep Type
Alachlor	<0.049		ug/L	2	0.049	525.2	Total/NA
Atrazine	<0.049		ug/L	3	0.049	525.2	Total/NA
Benzo[a]pyrene	<0.020		ug/L	0.2	0.020	525.2	Total/NA
Bis(2-ethylhexyl) phthalate	<0.59		ug/L	6	0.59	525.2	Total/NA
Di(2-ethylhexyl)adipate	<0.59		ug/L	400	0.59	525.2	Total/NA
Endrin	<0.0098		ug/L	2	0.0098	525.2	Total/NA
Heptachlor	<0.0098		ug/L	0.4	0.0098	525.2	Total/NA
Heptachlor epoxide (isomer B)	<0.0098		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	<0.19		ug/L	0.2	0.19	625.1 SIM	Total/NA

Surrogate Summary

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

Job ID: 380-213657-1
SDG: Weekly: Moanalua Wells P1

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
		2NMX	PRY	TPP							
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)							
380-213655-I-1-A MS	Matrix Spike	95	95	102							
380-213657-1	MOANALUA WELLS P1	97	89	96							
380-213657-1 DU	MOANALUA WELLS P1	95	91	99							
LCS 380-227605/23-A	Lab Control Sample	93	95	104							
MB 380-227605/21-A	Method Blank	95	82	95							
MRL 380-227605/22-A	Lab Control Sample	95	85	97							

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)		
380-213657-1	MOANALUA WELLS P1	70	81	51	80	29	83		

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)		
380-213657-1	MOANALUA WELLS P1	85	71	42	73	27	74		
LCS 570-740088/2-A	Lab Control Sample	75	70	49	56	33	83		
LCSD 570-740088/3-A	Lab Control Sample Dup	87	82	58	68	41	92		
MB 570-740088/1-A	Method Blank	74	68	43	73	26	76		

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: 380-213657-1
SDG: Weekly: Moanalua Wells P1

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)
380-213657-1	MOANALUA WELLS P1	99
380-213657-2	FB: MOANALUA WELLS P1	98
380-213690-B-1 MS	Matrix Spike	99
380-213690-B-1 MSD	Matrix Spike Duplicate	99
LCS 570-740696/3	Lab Control Sample	101
LCSD 570-740696/4	Lab Control Sample Dup	103
MB 570-740696/6	Method Blank	103
MRL 570-740696/5	Lab Control Sample	100

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)
380-213657-1	MOANALUA WELLS P1	120
380-213690-C-1-A MS	Matrix Spike	114
380-213690-C-1-B MSD	Matrix Spike Duplicate	105
LCS 570-739333/2-A	Lab Control Sample	105
LCSD 570-739333/3-A	Lab Control Sample Dup	117
MB 570-739333/1-A	Method Blank	115
MRL 570-739333/4-A	Lab Control Sample	114

Surrogate Legend

OTCSN = n-Octacosane (Surr)

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

Lab Sample ID: MB 380-227605/21-A
Matrix: Water
Analysis Batch: 227747

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 227605

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 09:53	1
2,4'-DDD	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 09:53	1
2,4'-DDE	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 09:53	1
2,4'-DDT	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 09:53	1
2,4-Dinitrotoluene	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 09:53	1
2,6-Dinitrotoluene	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 09:53	1
2-Methylnaphthalene	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 09:53	1
4,4'-DDD	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 09:53	1
4,4'-DDE	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 09:53	1
4,4'-DDT	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 09:53	1
Acenaphthene	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 09:53	1
Acenaphthylene	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 09:53	1
Acetochlor	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 09:53	1
Alachlor	<0.049		0.049		ug/L		05/17/26 19:14	05/18/26 09:53	1
alpha-BHC	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 09:53	1
alpha-Chlordane	<0.049		0.049		ug/L		05/17/26 19:14	05/18/26 09:53	1
Anthracene	<0.020		0.020		ug/L		05/17/26 19:14	05/18/26 09:53	1
Atrazine	<0.049		0.049		ug/L		05/17/26 19:14	05/18/26 09:53	1
Benz(a)anthracene	<0.049		0.049		ug/L		05/17/26 19:14	05/18/26 09:53	1
Benzo[a]pyrene	<0.020		0.020		ug/L		05/17/26 19:14	05/18/26 09:53	1
Benzo[b]fluoranthene	<0.020		0.020		ug/L		05/17/26 19:14	05/18/26 09:53	1
Benzo[g,h,i]perylene	<0.049		0.049		ug/L		05/17/26 19:14	05/18/26 09:53	1
Benzo[k]fluoranthene	<0.020		0.020		ug/L		05/17/26 19:14	05/18/26 09:53	1
beta-BHC	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 09:53	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59		ug/L		05/17/26 19:14	05/18/26 09:53	1
Bromacil	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 09:53	1
Butachlor	<0.049		0.049		ug/L		05/17/26 19:14	05/18/26 09:53	1
Butylbenzylphthalate	<0.49		0.49		ug/L		05/17/26 19:14	05/18/26 09:53	1
Chlorobenzilate	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 09:53	1
Chloroneb	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 09:53	1
Chlorothalonil (Draconil, Bravo)	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 09:53	1
Chlorpyrifos	<0.049		0.049		ug/L		05/17/26 19:14	05/18/26 09:53	1
Chrysene	<0.020		0.020		ug/L		05/17/26 19:14	05/18/26 09:53	1
delta-BHC	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 09:53	1
Di(2-ethylhexyl)adipate	<0.59		0.59		ug/L		05/17/26 19:14	05/18/26 09:53	1
Dibenz(a,h)anthracene	<0.049		0.049		ug/L		05/17/26 19:14	05/18/26 09:53	1
Diclorvos (DDVP)	<0.049		0.049		ug/L		05/17/26 19:14	05/18/26 09:53	1
Dieldrin	<0.0098		0.0098		ug/L		05/17/26 19:14	05/18/26 09:53	1
Diethylphthalate	<0.49		0.49		ug/L		05/17/26 19:14	05/18/26 09:53	1
Dimethylphthalate	<0.49		0.49		ug/L		05/17/26 19:14	05/18/26 09:53	1
Di-n-butyl phthalate	<0.98		0.98		ug/L		05/17/26 19:14	05/18/26 09:53	1
Di-n-octyl phthalate	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 09:53	1
Endosulfan I (Alpha)	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 09:53	1
Endosulfan II (Beta)	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 09:53	1
Endosulfan sulfate	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 09:53	1
Endrin	<0.0098		0.0098		ug/L		05/17/26 19:14	05/18/26 09:53	1
Endrin aldehyde	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 09:53	1
EPTC	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 09:53	1

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

Lab Sample ID: MB 380-227605/21-A
Matrix: Water
Analysis Batch: 227747

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 227605

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 09:53	1
Fluorene	<0.049		0.049		ug/L		05/17/26 19:14	05/18/26 09:53	1
gamma-Chlordane	<0.049		0.049		ug/L		05/17/26 19:14	05/18/26 09:53	1
Heptachlor	<0.0098		0.0098		ug/L		05/17/26 19:14	05/18/26 09:53	1
Heptachlor epoxide (isomer B)	<0.0098		0.0098		ug/L		05/17/26 19:14	05/18/26 09:53	1
Hexachlorobenzene	<0.049		0.049		ug/L		05/17/26 19:14	05/18/26 09:53	1
Hexachlorocyclopentadiene	<0.049		0.049		ug/L		05/17/26 19:14	05/18/26 09:53	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049		ug/L		05/17/26 19:14	05/18/26 09:53	1
Isophorone	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 09:53	1
Lindane	<0.0098		0.0098		ug/L		05/17/26 19:14	05/18/26 09:53	1
Malathion	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 09:53	1
Methoxychlor	<0.049		0.049		ug/L		05/17/26 19:14	05/18/26 09:53	1
Metolachlor	<0.049		0.049		ug/L		05/17/26 19:14	05/18/26 09:53	1
Molinate	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 09:53	1
Naphthalene	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 09:53	1
Parathion	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 09:53	1
Pendimethalin (Penoxaline)	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 09:53	1
Phenanthrene	<0.039		0.039		ug/L		05/17/26 19:14	05/18/26 09:53	1
Propachlor	<0.049		0.049		ug/L		05/17/26 19:14	05/18/26 09:53	1
Pyrene	<0.049		0.049		ug/L		05/17/26 19:14	05/18/26 09:53	1
Simazine	<0.049		0.049		ug/L		05/17/26 19:14	05/18/26 09:53	1
Terbacil	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 09:53	1
Terbuthylazine	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 09:53	1
Thiobencarb	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 09:53	1
Total Permethrin (mixed isomers)	<0.20		0.20		ug/L		05/17/26 19:14	05/18/26 09:53	1
trans-Nonachlor	<0.049		0.049		ug/L		05/17/26 19:14	05/18/26 09:53	1
Trifluralin	<0.098		0.098		ug/L		05/17/26 19:14	05/18/26 09:53	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Undecane	*4.35*	*T J N*	*ug/L*		*3.10*	*1120-21-4*	*05/17/26 19:14*	*05/18/26 09:53*	*1*
Cyclopentasiloxane, decamethyl-	*0.538*	*T J N*	*ug/L*		*3.24*	*541-02-6*	*05/17/26 19:14*	*05/18/26 09:53*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*95*		*70 - 130*	*05/17/26 19:14*	*05/18/26 09:53*	*1*
Perylene-d12	*82*		*70 - 130*	*05/17/26 19:14*	*05/18/26 09:53*	*1*
Triphenylphosphate	*95*		*70 - 130*	*05/17/26 19:14*	*05/18/26 09:53*	*1*

Lab Sample ID: LCS 380-227605/23-A
Matrix: Water
Analysis Batch: 227747

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 227605

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	1.97	1.87		ug/L		95	70 - 130
2,4'-DDD	1.97	2.00		ug/L		102	70 - 130
2,4'-DDE	1.97	1.96		ug/L		100	70 - 130
2,4'-DDT	1.97	2.02		ug/L		103	70 - 130
2,4-Dinitrotoluene	1.97	1.91		ug/L		97	70 - 130
2,6-Dinitrotoluene	1.97	1.86		ug/L		94	70 - 130

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

Lab Sample ID: LCS 380-227605/23-A
Matrix: Water
Analysis Batch: 227747

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 227605

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Methylnaphthalene	1.97	1.88		ug/L		96	70 - 130
4,4'-DDD	1.97	2.10		ug/L		106	70 - 130
4,4'-DDE	1.97	1.90		ug/L		97	70 - 130
4,4'-DDT	1.97	2.08		ug/L		106	70 - 130
Acenaphthene	1.97	1.92		ug/L		98	70 - 130
Acenaphthylene	1.97	1.80		ug/L		92	70 - 130
Acetochlor	1.97	1.98		ug/L		101	70 - 130
Alachlor	1.97	1.97		ug/L		100	70 - 130
alpha-BHC	1.97	1.98		ug/L		101	70 - 130
alpha-Chlordane	1.97	2.17		ug/L		110	70 - 130
Anthracene	1.97	1.91		ug/L		97	70 - 130
Atrazine	1.97	2.03		ug/L		103	70 - 130
Benz(a)anthracene	1.97	2.17		ug/L		110	70 - 130
Benzo[a]pyrene	1.97	1.96		ug/L		99	70 - 130
Benzo[b]fluoranthene	1.97	2.08		ug/L		106	70 - 130
Benzo[g,h,i]perylene	1.97	1.96		ug/L		100	70 - 130
Benzo[k]fluoranthene	1.97	2.00		ug/L		102	70 - 130
beta-BHC	1.97	2.15		ug/L		109	70 - 130
Bis(2-ethylhexyl) phthalate	1.97	1.92		ug/L		97	70 - 130
Bromacil	1.97	1.84		ug/L		93	70 - 130
Butachlor	1.97	2.00		ug/L		101	70 - 130
Butylbenzylphthalate	1.97	1.98		ug/L		100	70 - 130
Chlorobenzilate	1.97	1.94		ug/L		98	70 - 130
Chloroneb	1.97	2.14		ug/L		109	70 - 130
Chlorothalonil (Draconil, Bravo)	1.97	1.97		ug/L		100	70 - 130
Chlorpyrifos	1.97	2.07		ug/L		105	70 - 130
Chrysene	1.97	2.16		ug/L		110	70 - 130
delta-BHC	1.97	2.01		ug/L		102	70 - 130
Di(2-ethylhexyl)adipate	1.97	1.98		ug/L		101	70 - 130
Dibenz(a,h)anthracene	1.97	1.95		ug/L		99	70 - 130
Diclorvos (DDVP)	1.97	1.96		ug/L		99	70 - 130
Dieldrin	1.97	2.07		ug/L		105	70 - 130
Diethylphthalate	1.97	2.09		ug/L		106	70 - 130
Dimethylphthalate	1.97	2.05		ug/L		104	70 - 130
Di-n-butyl phthalate	3.94	4.18		ug/L		106	70 - 130
Di-n-octyl phthalate	1.97	1.88		ug/L		96	70 - 130
Endosulfan I (Alpha)	1.97	2.15		ug/L		109	70 - 130
Endosulfan II (Beta)	1.97	2.16		ug/L		109	70 - 130
Endosulfan sulfate	1.97	1.95		ug/L		99	70 - 130
Endrin	1.97	2.24		ug/L		114	70 - 130
Endrin aldehyde	1.97	1.99		ug/L		101	60 - 130
EPTC	1.97	2.02		ug/L		103	70 - 130
Fluoranthene	1.97	1.98		ug/L		101	70 - 130
Fluorene	1.97	2.06		ug/L		105	70 - 130
gamma-Chlordane	1.97	2.33		ug/L		118	70 - 130
Heptachlor	1.97	2.06		ug/L		105	70 - 130
Heptachlor epoxide (isomer B)	1.97	2.02		ug/L		103	70 - 130
Hexachlorobenzene	1.97	2.00		ug/L		102	70 - 130
Hexachlorocyclopentadiene	1.97	1.85		ug/L		94	70 - 130

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

Lab Sample ID: LCS 380-227605/23-A
Matrix: Water
Analysis Batch: 227747

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 227605

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Indeno[1,2,3-cd]pyrene	1.97	1.95		ug/L		99	70 - 130
Isophorone	1.97	1.93		ug/L		98	70 - 130
Lindane	1.97	2.10		ug/L		107	70 - 130
Malathion	1.97	1.94		ug/L		98	70 - 130
Methoxychlor	1.97	2.03		ug/L		103	70 - 130
Metolachlor	1.97	2.02		ug/L		102	70 - 130
Molinate	1.97	2.08		ug/L		105	70 - 130
Naphthalene	1.97	1.86		ug/L		95	70 - 130
Parathion	1.97	2.03		ug/L		103	70 - 130
Pendimethalin (Penoxaline)	1.97	1.91		ug/L		97	70 - 130
Phenanthrene	1.97	2.02		ug/L		102	70 - 130
Propachlor	1.97	2.03		ug/L		103	70 - 130
Pyrene	1.97	2.06		ug/L		105	70 - 130
Simazine	1.97	2.02		ug/L		103	70 - 130
Terbacil	1.97	1.98		ug/L		100	70 - 130
Terbuthylazine	1.97	2.08		ug/L		106	70 - 130
Thiobencarb	1.97	1.93		ug/L		98	70 - 130
trans-Nonachlor	1.97	2.12		ug/L		108	70 - 130
Trifluralin	1.97	1.78		ug/L		91	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Nitro-m-xylene	*93*		*70 - 130*
Perylene-d12	*95*		*70 - 130*
Triphenylphosphate	*104*		*70 - 130*

Lab Sample ID: MRL 380-227605/22-A
Matrix: Water
Analysis Batch: 227747

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 227605

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	0.0981	0.103		ug/L		105	50 - 150
2,4'-DDD	0.0981	0.0913	J	ug/L		93	50 - 150
2,4'-DDE	0.0981	0.100		ug/L		102	50 - 150
2,4'-DDT	0.0981	0.109		ug/L		111	50 - 150
2,4-Dinitrotoluene	0.0981	0.105		ug/L		107	50 - 150
2,6-Dinitrotoluene	0.0981	0.121		ug/L		123	50 - 150
2-Methylnaphthalene	0.0981	0.0973	J	ug/L		99	50 - 150
4,4'-DDD	0.0981	0.109		ug/L		111	50 - 150
4,4'-DDE	0.0981	0.0949	J	ug/L		97	50 - 150
4,4'-DDT	0.0981	0.112		ug/L		115	50 - 150
Acenaphthene	0.0981	0.0891	J	ug/L		91	50 - 150
Acenaphthylene	0.0981	0.0752	J	ug/L		77	50 - 150
Acetochlor	0.0981	0.114		ug/L		116	50 - 150
Alachlor	0.0491	0.0577		ug/L		118	50 - 150
alpha-BHC	0.0981	0.0946	J	ug/L		96	50 - 150
alpha-Chlordane	0.0245	<0.028		ug/L		114	50 - 150
Anthracene	0.0196	0.0238		ug/L		121	50 - 150
Atrazine	0.0491	0.0717		ug/L		146	50 - 150

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

Lab Sample ID: MRL 380-227605/22-A
Matrix: Water
Analysis Batch: 227747

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 227605

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Benz(a)anthracene	0.0491	0.0528		ug/L		108	50 - 150
Benzo[a]pyrene	0.0196	0.0229		ug/L		117	50 - 150
Benzo[b]fluoranthene	0.0196	0.0235		ug/L		120	50 - 150
Benzo[g,h,i]perylene	0.0491	0.0590		ug/L		120	50 - 150
Benzo[k]fluoranthene	0.0196	0.0237		ug/L		121	50 - 150
beta-BHC	0.0981	0.0992		ug/L		101	50 - 150
Bis(2-ethylhexyl) phthalate	0.589	0.529	J	ug/L		90	50 - 150
Bromacil	0.0981	0.104		ug/L		106	50 - 150
Butachlor	0.0491	0.0641		ug/L		131	50 - 150
Butylbenzylphthalate	0.491	0.467	J	ug/L		95	50 - 150
Chlorobenzilate	0.0981	0.0962	J	ug/L		98	50 - 150
Chloroneb	0.0981	0.108		ug/L		110	50 - 150
Chlorothalonil (Draconil, Bravo)	0.0981	0.0966	J	ug/L		98	50 - 150
Chlorpyrifos	0.0491	0.0586		ug/L		119	50 - 150
Chrysene	0.0196	0.0223		ug/L		114	50 - 150
delta-BHC	0.0981	0.0939	J	ug/L		96	50 - 150
Di(2-ethylhexyl)adipate	0.589	0.565	J	ug/L		96	50 - 150
Dibenz(a,h)anthracene	0.0491	0.0619		ug/L		126	50 - 150
Diclorvos (DDVP)	0.0491	0.0491		ug/L		100	50 - 150
Dieldrin	0.00981	0.0108		ug/L		110	50 - 150
Diethylphthalate	0.491	0.530		ug/L		108	50 - 150
Dimethylphthalate	0.491	0.494		ug/L		101	50 - 150
Di-n-butyl phthalate	0.491	0.506	J	ug/L		103	49 - 243
Di-n-octyl phthalate	0.0981	0.0911	J	ug/L		93	50 - 150
Endosulfan I (Alpha)	0.0981	0.0851	J	ug/L		87	50 - 150
Endosulfan II (Beta)	0.0981	0.0891	J	ug/L		91	50 - 150
Endosulfan sulfate	0.0981	0.102		ug/L		104	50 - 150
Endrin	0.00981	0.0142		ug/L		145	50 - 150
Endrin aldehyde	0.0981	0.105		ug/L		107	50 - 150
EPTC	0.0981	0.0952	J	ug/L		97	50 - 150
Fluoranthene	0.0981	0.0969	J	ug/L		99	50 - 150
Fluorene	0.0491	0.0491		ug/L		100	50 - 150
gamma-Chlordane	0.0245	0.0261	J	ug/L		106	50 - 150
Heptachlor	0.00981	0.00974	J	ug/L		99	50 - 150
Heptachlor epoxide (isomer B)	0.00981	0.0133		ug/L		136	50 - 150
Hexachlorobenzene	0.0491	0.0486	J	ug/L		99	50 - 150
Hexachlorocyclopentadiene	0.0491	0.0476	J	ug/L		97	50 - 150
Indeno[1,2,3-cd]pyrene	0.0491	0.0605		ug/L		123	50 - 150
Isophorone	0.0981	0.113		ug/L		115	50 - 150
Lindane	0.00981	0.0128		ug/L		130	50 - 150
Malathion	0.0981	0.0929	J	ug/L		95	50 - 150
Methoxychlor	0.0491	0.0711		ug/L		145	50 - 150
Metolachlor	0.0491	0.0596		ug/L		122	50 - 150
Molinate	0.0981	0.100		ug/L		102	50 - 150
Naphthalene	0.0981	0.0911	J	ug/L		93	50 - 150
Parathion	0.0981	0.0875	J	ug/L		89	50 - 150
Pendimethalin (Penoxaline)	0.0981	0.0968	J	ug/L		99	50 - 150
Phenanthrene	0.0393	0.0388	J	ug/L		99	50 - 150
Propachlor	0.0491	0.0593		ug/L		121	50 - 150

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

Lab Sample ID: MRL 380-227605/22-A
Matrix: Water
Analysis Batch: 227747

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 227605

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Pyrene	0.0491	0.0578		ug/L		118	50 - 150
Simazine	0.0491	0.0603		ug/L		123	50 - 150
Terbacil	0.0981	0.0955	J	ug/L		97	50 - 150
Terbuthylazine	0.0981	0.107		ug/L		109	50 - 150
Thiobencarb	0.0981	0.103		ug/L		105	50 - 150
trans-Nonachlor	0.0245	0.0271	J	ug/L		110	50 - 150
Trifluralin	0.0981	0.101		ug/L		103	50 - 150

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
2-Nitro-m-xylene	*95*		*70 - 130*
Perylene-d12	*85*		*70 - 130*
Triphenylphosphate	*97*		*70 - 130*

Lab Sample ID: 380-213655-I-1-A MS
Matrix: Water
Analysis Batch: 227747

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 227605

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.099		1.96	1.93		ug/L		98	70 - 130
2,4'-DDD	<0.099		1.96	1.98		ug/L		101	70 - 130
2,4'-DDE	<0.099		1.96	1.89		ug/L		97	70 - 130
2,4'-DDT	<0.099		1.96	2.03		ug/L		104	70 - 130
2,4-Dinitrotoluene	<0.099		1.96	2.07		ug/L		106	70 - 130
2,6-Dinitrotoluene	<0.099		1.96	2.06		ug/L		105	70 - 130
2-Methylnaphthalene	<0.099		1.96	1.97		ug/L		101	70 - 130
4,4'-DDD	<0.099		1.96	2.09		ug/L		107	70 - 130
4,4'-DDE	<0.099		1.96	1.97		ug/L		101	70 - 130
4,4'-DDT	<0.099		1.96	2.14		ug/L		109	70 - 130
Acenaphthene	<0.099		1.96	1.98		ug/L		101	70 - 130
Acenaphthylene	<0.099		1.96	2.03		ug/L		104	70 - 130
Acetochlor	<0.099		1.96	1.95		ug/L		100	70 - 130
Alachlor	<0.050		1.96	1.99		ug/L		101	70 - 130
alpha-BHC	<0.099		1.96	2.02		ug/L		103	70 - 130
alpha-Chlordane	<0.050		1.96	2.15		ug/L		108	70 - 130
Anthracene	<0.020		1.96	1.90		ug/L		97	70 - 130
Atrazine	<0.050		1.96	2.05		ug/L		105	70 - 130
Benz(a)anthracene	<0.050		1.96	2.18		ug/L		111	70 - 130
Benzo[a]pyrene	<0.020		1.96	2.08		ug/L		106	70 - 130
Benzo[b]fluoranthene	<0.020		1.96	2.13		ug/L		109	70 - 130
Benzo[g,h,i]perylene	<0.050		1.96	1.98		ug/L		101	70 - 130
Benzo[k]fluoranthene	<0.020		1.96	2.06		ug/L		105	70 - 130
beta-BHC	<0.099		1.96	2.18		ug/L		111	70 - 130
Bis(2-ethylhexyl) phthalate	<0.59		1.96	2.01		ug/L		102	70 - 130
Bromacil	<0.099		1.96	1.99		ug/L		99	70 - 130
Butachlor	<0.050		1.96	2.01		ug/L		102	70 - 130
Butylbenzylphthalate	<0.50		1.96	2.00		ug/L		102	70 - 130
Chlorobenzilate	<0.099		1.96	1.93		ug/L		98	70 - 130
Chloroneb	<0.099		1.96	2.14		ug/L		109	70 - 130

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

Lab Sample ID: 380-213655-I-1-A MS
Matrix: Water
Analysis Batch: 227747

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 227605

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chlorothalonil (Draconil, Bravo)	<0.099		1.96	2.00		ug/L		102	70 - 130
Chlorpyrifos	<0.050		1.96	2.01		ug/L		102	70 - 130
Chrysene	<0.020		1.96	2.25		ug/L		115	70 - 130
delta-BHC	<0.099		1.96	2.02		ug/L		103	70 - 130
Di(2-ethylhexyl)adipate	<0.59		1.96	2.04		ug/L		104	70 - 130
Dibenz(a,h)anthracene	<0.050		1.96	1.99		ug/L		101	70 - 130
Diclorvos (DDVP)	<0.050		1.96	2.09		ug/L		107	70 - 130
Dieldrin	0.021		1.96	2.14		ug/L		108	70 - 130
Diethylphthalate	<0.50		1.96	2.17		ug/L		111	70 - 130
Dimethylphthalate	<0.50		1.96	2.10		ug/L		107	70 - 130
Di-n-butyl phthalate	<0.99		3.92	4.01		ug/L		102	70 - 130
Di-n-octyl phthalate	<0.099		1.96	2.01		ug/L		102	70 - 130
Endosulfan I (Alpha)	<0.099		1.96	2.11		ug/L		107	70 - 130
Endosulfan II (Beta)	<0.099		1.96	2.13		ug/L		109	70 - 130
Endosulfan sulfate	<0.099		1.96	1.98		ug/L		101	70 - 130
Endrin	<0.0099		1.96	2.23		ug/L		114	70 - 130
Endrin aldehyde	<0.099		1.96	2.05		ug/L		105	60 - 130
EPTC	<0.099		1.96	2.05		ug/L		104	70 - 130
Fluoranthene	<0.099		1.96	2.00		ug/L		102	70 - 130
Fluorene	<0.050		1.96	2.13		ug/L		109	70 - 130
gamma-Chlordane	<0.050		1.96	2.31		ug/L		117	70 - 130
Heptachlor	<0.0099		1.96	2.05		ug/L		105	70 - 130
Heptachlor epoxide (isomer B)	0.020		1.96	2.11		ug/L		107	70 - 130
Hexachlorobenzene	<0.050		1.96	2.09		ug/L		107	70 - 130
Hexachlorocyclopentadiene	<0.050		1.96	1.92		ug/L		98	70 - 130
Indeno[1,2,3-cd]pyrene	<0.050		1.96	2.06		ug/L		105	70 - 130
Isophorone	<0.099		1.96	1.97		ug/L		101	70 - 130
Lindane	<0.0099		1.96	2.17		ug/L		111	70 - 130
Malathion	<0.099		1.96	1.98		ug/L		101	70 - 130
Methoxychlor	<0.050		1.96	2.09		ug/L		107	70 - 130
Metolachlor	<0.050		1.96	2.03		ug/L		104	70 - 130
Molinate	<0.099		1.96	2.14		ug/L		109	70 - 130
Naphthalene	<0.099		1.96	1.93		ug/L		98	70 - 130
Parathion	<0.099		1.96	2.07		ug/L		106	70 - 130
Pendimethalin (Penoxaline)	<0.099		1.96	1.98		ug/L		101	70 - 130
Phenanthrene	<0.040		1.96	2.00		ug/L		102	70 - 130
Propachlor	<0.050		1.96	2.07		ug/L		106	70 - 130
Pyrene	<0.050		1.96	2.05		ug/L		104	70 - 130
Simazine	<0.050		1.96	2.15		ug/L		110	70 - 130
Terbacil	<0.099		1.96	2.01		ug/L		103	70 - 130
Terbuthylazine	<0.099		1.96	2.11		ug/L		108	70 - 130
Thiobencarb	<0.099		1.96	1.95		ug/L		100	70 - 130
trans-Nonachlor	<0.050		1.96	2.16		ug/L		109	70 - 130
Trifluralin	<0.099		1.96	1.95		ug/L		99	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Nitro-m-xylene	*95*		*70 - 130*
Perylene-d12	*95*		*70 - 130*

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

Lab Sample ID: 380-213655-I-1-A MS
Matrix: Water
Analysis Batch: 227747

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 227605

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

Lab Sample ID: 380-213657-1 DU
Matrix: Water
Analysis Batch: 227747

Client Sample ID: MOANALUA WELLS P1
Prep Type: Total/NA
Prep Batch: 227605

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1-Methylnaphthalene	<0.098			<0.098		ug/L				NC	20
2,4'-DDD	<0.098			<0.098		ug/L				NC	20
2,4'-DDE	<0.098			<0.098		ug/L				NC	20
2,4'-DDT	<0.098			<0.098		ug/L				NC	20
2,4-Dinitrotoluene	<0.098			<0.098		ug/L				NC	20
2,6-Dinitrotoluene	<0.098			<0.098		ug/L				NC	20
2-Methylnaphthalene	<0.098			<0.098		ug/L				NC	20
4,4'-DDD	<0.098			<0.098		ug/L				NC	20
4,4'-DDE	<0.098			<0.098		ug/L				NC	20
4,4'-DDT	<0.098			<0.098		ug/L				NC	20
Acenaphthene	<0.098			<0.098		ug/L				NC	20
Acenaphthylene	<0.098			<0.098		ug/L				NC	20
Acetochlor	<0.098			<0.098		ug/L				NC	20
Alachlor	<0.049			<0.049		ug/L				NC	20
alpha-BHC	<0.098			<0.098		ug/L				NC	20
alpha-Chlordane	<0.049			<0.049		ug/L				NC	20
Anthracene	<0.020			<0.020		ug/L				NC	20
Atrazine	<0.049			<0.049		ug/L				NC	20
Benz(a)anthracene	<0.049			<0.049		ug/L				NC	20
Benzo[a]pyrene	<0.020			<0.020		ug/L				NC	20
Benzo[b]fluoranthene	<0.020			<0.020		ug/L				NC	20
Benzo[g,h,i]perylene	<0.049			<0.049		ug/L				NC	20
Benzo[k]fluoranthene	<0.020			<0.020		ug/L				NC	20
beta-BHC	<0.098			<0.098		ug/L				NC	20
Bis(2-ethylhexyl) phthalate	<0.59			<0.59		ug/L				NC	20
Bromacil	<0.098			<0.098		ug/L				NC	20
Butachlor	<0.049			<0.049		ug/L				NC	20
Butylbenzylphthalate	<0.49			<0.49		ug/L				NC	20
Chlorobenzilate	<0.098			<0.098		ug/L				NC	20
Chloroneb	<0.098			<0.098		ug/L				NC	20
Chlorothalonil (Draconil, Bravo)	<0.098			<0.098		ug/L				NC	20
Chlorpyrifos	<0.049			<0.049		ug/L				NC	20
Chrysene	<0.020			<0.020		ug/L				NC	20
delta-BHC	<0.098			<0.098		ug/L				NC	20
Di(2-ethylhexyl)adipate	<0.59			<0.59		ug/L				NC	20
Dibenz(a,h)anthracene	<0.049			<0.049		ug/L				NC	20
Diclorvos (DDVP)	<0.049			<0.049		ug/L				NC	20
Dieldrin	0.027			0.0265		ug/L				0.4	20
Diethylphthalate	<0.49			<0.49		ug/L				NC	20
Dimethylphthalate	<0.49			<0.49		ug/L				NC	20
Di-n-butyl phthalate	<0.98			<0.98		ug/L				NC	20

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

Lab Sample ID: 380-213657-1 DU
Matrix: Water
Analysis Batch: 227747

Client Sample ID: MOANALUA WELLS P1
Prep Type: Total/NA
Prep Batch: 227605

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Di-n-octyl phthalate	<0.098			<0.098		ug/L				NC	20
Endosulfan I (Alpha)	<0.098			<0.098		ug/L				NC	20
Endosulfan II (Beta)	<0.098			<0.098		ug/L				NC	20
Endosulfan sulfate	<0.098			<0.098		ug/L				NC	20
Endrin	<0.0098			<0.0098		ug/L				NC	20
Endrin aldehyde	<0.098			<0.098		ug/L				NC	20
EPTC	<0.098			<0.098		ug/L				NC	20
Fluoranthene	<0.098			<0.098		ug/L				NC	20
Fluorene	<0.049			<0.049		ug/L				NC	20
gamma-Chlordane	<0.049			<0.049		ug/L				NC	20
Heptachlor	<0.0098			<0.0098		ug/L				NC	20
Heptachlor epoxide (isomer B)	<0.0098			<0.0098		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	<0.098			<0.098		ug/L				NC	20
Lindane	<0.0098			<0.0098		ug/L				NC	20
Malathion	<0.098			<0.098		ug/L				NC	20
Methoxychlor	<0.049			<0.049		ug/L				NC	20
Metolachlor	<0.049			<0.049		ug/L				NC	20
Molinate	<0.098			<0.098		ug/L				NC	20
Naphthalene	<0.098			<0.098		ug/L				NC	20
Parathion	<0.098			<0.098		ug/L				NC	20
Pendimethalin (Penoxaline)	<0.098			<0.098		ug/L				NC	20
Phenanthrene	<0.039			<0.039		ug/L				NC	20
Propachlor	<0.049			<0.049		ug/L				NC	20
Pyrene	<0.049			<0.049		ug/L				NC	20
Simazine	<0.049			<0.049		ug/L				NC	20
Terbacil	<0.098			<0.098		ug/L				NC	20
Terbuthylazine	<0.098			<0.098		ug/L				NC	20
Thiobencarb	<0.098			<0.098		ug/L				NC	20
Total Permethrin (mixed isomers)	<0.20			<0.20		ug/L				NC	20
trans-Nonachlor	<0.049			<0.049		ug/L				NC	20
Trifluralin	<0.098			<0.098		ug/L				NC	20

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
2-Nitro-m-xylene	*95*		*70 - 130*
Perylene-d12	*91*		*70 - 130*
Triphenylphosphate	*99*		*70 - 130*

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

Lab Sample ID: MB 570-740088/1-A
Matrix: Water
Analysis Batch: 740892

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 740088

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.20		0.20		ug/L		05/17/26 08:58	05/19/26 07:05	1
2-Methylnaphthalene	<0.20		0.20		ug/L		05/17/26 08:58	05/19/26 07:05	1

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

Lab Sample ID: MB 570-740088/1-A
Matrix: Water
Analysis Batch: 740892

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 740088

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.20		0.20		ug/L		05/17/26 08:58	05/19/26 07:05	1
Acenaphthylene	<0.20		0.20		ug/L		05/17/26 08:58	05/19/26 07:05	1
Anthracene	<0.20		0.20		ug/L		05/17/26 08:58	05/19/26 07:05	1
Benzo[a]anthracene	<0.20		0.20		ug/L		05/17/26 08:58	05/19/26 07:05	1
Benzo[a]pyrene	<0.20		0.20		ug/L		05/17/26 08:58	05/19/26 07:05	1
Benzo[b]fluoranthene	<0.20		0.20		ug/L		05/17/26 08:58	05/19/26 07:05	1
Benzo[g,h,i]perylene	<0.20		0.20		ug/L		05/17/26 08:58	05/19/26 07:05	1
Benzo[k]fluoranthene	<0.20		0.20		ug/L		05/17/26 08:58	05/19/26 07:05	1
Chrysene	<0.20		0.20		ug/L		05/17/26 08:58	05/19/26 07:05	1
Dibenz(a,h)anthracene	<0.20		0.20		ug/L		05/17/26 08:58	05/19/26 07:05	1
Fluoranthene	<0.20		0.20		ug/L		05/17/26 08:58	05/19/26 07:05	1
Fluorene	<0.20		0.20		ug/L		05/17/26 08:58	05/19/26 07:05	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20		ug/L		05/17/26 08:58	05/19/26 07:05	1
Naphthalene	<0.20		0.20		ug/L		05/17/26 08:58	05/19/26 07:05	1
Phenanthrene	<0.20		0.20		ug/L		05/17/26 08:58	05/19/26 07:05	1
Pyrene	<0.20		0.20		ug/L		05/17/26 08:58	05/19/26 07:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*74*		*28 - 127*	*05/17/26 08:58*	*05/19/26 07:05*	*1*
2-Fluorobiphenyl (Surr)	*68*		*31 - 120*	*05/17/26 08:58*	*05/19/26 07:05*	*1*
2-Fluorophenol (Surr)	*43*		*17 - 120*	*05/17/26 08:58*	*05/19/26 07:05*	*1*
Nitrobenzene-d5 (Surr)	*73*		*27 - 120*	*05/17/26 08:58*	*05/19/26 07:05*	*1*
Phenol-d6 (Surr)	*26*		*10 - 120*	*05/17/26 08:58*	*05/19/26 07:05*	*1*
p-Terphenyl-d14 (Surr)	*76*		*45 - 120*	*05/17/26 08:58*	*05/19/26 07:05*	*1*

Lab Sample ID: LCS 570-740088/2-A
Matrix: Water
Analysis Batch: 740892

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 740088

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	20.0	13.2		ug/L		66	47 - 120
2-Methylnaphthalene	20.0	12.2		ug/L		61	43 - 120
Acenaphthene	20.0	16.0		ug/L		80	60 - 132
Acenaphthylene	20.0	15.7		ug/L		78	54 - 126
Anthracene	20.0	17.0		ug/L		85	43 - 120
Benzo[a]anthracene	20.0	17.5		ug/L		87	42 - 133
Benzo[a]pyrene	20.0	19.7		ug/L		98	32 - 148
Benzo[b]fluoranthene	20.0	18.2		ug/L		91	42 - 140
Benzo[g,h,i]perylene	20.0	17.6		ug/L		88	1 - 195
Benzo[k]fluoranthene	20.0	18.3		ug/L		92	25 - 146
Chrysene	20.0	17.0		ug/L		85	44 - 140
Dibenz(a,h)anthracene	20.0	18.4		ug/L		92	1 - 200
Fluoranthene	20.0	18.0		ug/L		90	43 - 121
Fluorene	20.0	16.9		ug/L		85	70 - 120
Indeno[1,2,3-cd]pyrene	20.0	18.0		ug/L		90	1 - 151
Naphthalene	20.0	12.2		ug/L		61	36 - 120
Phenanthrene	20.0	17.0		ug/L		85	65 - 120
Pyrene	20.0	16.5		ug/L		82	70 - 120

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

Lab Sample ID: LCS 570-740088/2-A
Matrix: Water
Analysis Batch: 740892

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 740088

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*75*		*28 - 127*
2-Fluorobiphenyl (Surr)	*70*		*31 - 120*
2-Fluorophenol (Surr)	*49*		*17 - 120*
Nitrobenzene-d5 (Surr)	*56*		*27 - 120*
Phenol d6 (Surr)	*33*		*10 - 120*
p-Terphenyl-d14 (Surr)	*83*		*45 - 120*

Lab Sample ID: LCSD 570-740088/3-A
Matrix: Water
Analysis Batch: 740892

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 740088

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene			20.0	17.0	*1	ug/L		85	47 - 120	25	20
2-Methylnaphthalene			20.0	15.9	*1	ug/L		79	43 - 120	26	20
Acenaphthene			20.0	18.5		ug/L		93	60 - 132	15	29
Acenaphthylene			20.0	18.3		ug/L		92	54 - 126	16	45
Anthracene			20.0	19.6		ug/L		98	43 - 120	14	40
Benzo[a]anthracene			20.0	19.7		ug/L		99	42 - 133	12	32
Benzo[a]pyrene			20.0	22.0		ug/L		110	32 - 148	11	43
Benzo[b]fluoranthene			20.0	21.1		ug/L		105	42 - 140	15	43
Benzo[g,h,i]perylene			20.0	19.7		ug/L		99	1 - 195	11	61
Benzo[k]fluoranthene			20.0	19.6		ug/L		98	25 - 146	7	38
Chrysene			20.0	19.3		ug/L		96	44 - 140	12	53
Dibenz(a,h)anthracene			20.0	20.7		ug/L		103	1 - 200	12	75
Fluoranthene			20.0	20.7		ug/L		103	43 - 121	14	40
Fluorene			20.0	19.1		ug/L		95	70 - 120	12	23
Indeno[1,2,3-cd]pyrene			20.0	20.0		ug/L		100	1 - 151	11	60
Naphthalene			20.0	15.2		ug/L		76	36 - 120	22	39
Phenanthrene			20.0	19.1		ug/L		95	65 - 120	12	24
Pyrene			20.0	19.3		ug/L		97	70 - 120	16	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*87*		*28 - 127*
2-Fluorobiphenyl (Surr)	*82*		*31 - 120*
2-Fluorophenol (Surr)	*58*		*17 - 120*
Nitrobenzene-d5 (Surr)	*68*		*27 - 120*
Phenol-d6 (Surr)	*41*		*10 - 120*
p-Terphenyl-d14 (Surr)	*92*		*45 - 120*

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

Lab Sample ID: MB 570-740696/6
Matrix: Water
Analysis Batch: 740696

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			05/18/26 19:39	1

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

Lab Sample ID: MB 570-740696/6
Matrix: Water
Analysis Batch: 740696

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		38 - 134		05/18/26 19:39	1

Lab Sample ID: LCS 570-740696/3
Matrix: Water
Analysis Batch: 740696

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	415		ug/L		104	78 - 120		

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

Lab Sample ID: LCSD 570-740696/4
Matrix: Water
Analysis Batch: 740696

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	437		ug/L		109	78 - 120	5	10

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		38 - 134

Lab Sample ID: MRL 570-740696/5
Matrix: Water
Analysis Batch: 740696

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	12.7		ug/L		127	50 - 150		

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

Lab Sample ID: 380-213690-B-1 MS
Matrix: Water
Analysis Batch: 740696

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	371		ug/L		93	68 - 122		

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

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

Lab Sample ID: 380-213690-B-1 MSD
Matrix: Water
Analysis Batch: 740696

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	379		ug/L		95	68 - 122	2	18

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

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

Lab Sample ID: MB 570-739333/1-A
Matrix: Water
Analysis Batch: 739984

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 739333

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<25		25		ug/L		05/15/26 07:19	05/17/26 00:01	1
Motor Oil Range Organics [C24-C36]	<25		25		ug/L		05/15/26 07:19	05/17/26 00:01	1
C8-C18	<25		25		ug/L		05/15/26 07:19	05/17/26 00:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*115*		*60 - 130*	*05/15/26 07:19*	*05/17/26 00:01*	*1*

Lab Sample ID: LCS 570-739333/2-A
Matrix: Water
Analysis Batch: 739984

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 739333

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28			1600	1420		ug/L		89	56 - 127		

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

Lab Sample ID: LCSD 570-739333/3-A
Matrix: Water
Analysis Batch: 739984

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 739333

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28			1600	1600		ug/L		100	56 - 127	12	23

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
n-Octacosane (Surr)	*117*		*60 - 130*

Lab Sample ID: MRL 570-739333/4-A
Matrix: Water
Analysis Batch: 739984

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 739333

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28			0.0200	<0.020		mg/L		82	50 - 150		

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

Lab Sample ID: MRL 570-739333/4-A
Matrix: Water
Analysis Batch: 739984

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 739333

Surrogate	MRL %Recovery	MRL Qualifier	Limits
n-Octacosane (Surr)	*114*		*60 - 130*

Lab Sample ID: 380-213690-C-1-A MS
Matrix: Water
Analysis Batch: 739984

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 739333

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28	<26		1640	1600		ug/L		98	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
n-Octacosane (Surr)	*114*		*60 - 130*

Lab Sample ID: 380-213690-C-1-B MSD
Matrix: Water
Analysis Batch: 739984

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 739333

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28	<26		1650	1510		ug/L		92	70 - 130	6	20

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

GC/MS Semi VOA

Prep Batch: 227605

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-213657-1	MOANALUA WELLS P1	Total/NA	Water	525.2	
MB 380-227605/21-A	Method Blank	Total/NA	Water	525.2	
LCS 380-227605/23-A	Lab Control Sample	Total/NA	Water	525.2	
MRL 380-227605/22-A	Lab Control Sample	Total/NA	Water	525.2	
380-213655-I-1-A MS	Matrix Spike	Total/NA	Water	525.2	
380-213657-1 DU	MOANALUA WELLS P1	Total/NA	Water	525.2	

Analysis Batch: 227747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-213657-1	MOANALUA WELLS P1	Total/NA	Water	525.2	227605
MB 380-227605/21-A	Method Blank	Total/NA	Water	525.2	227605
LCS 380-227605/23-A	Lab Control Sample	Total/NA	Water	525.2	227605
MRL 380-227605/22-A	Lab Control Sample	Total/NA	Water	525.2	227605
380-213655-I-1-A MS	Matrix Spike	Total/NA	Water	525.2	227605
380-213657-1 DU	MOANALUA WELLS P1	Total/NA	Water	525.2	227605

Prep Batch: 740088

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-213657-1	MOANALUA WELLS P1	Total/NA	Water	625.1	
MB 570-740088/1-A	Method Blank	Total/NA	Water	625.1	
LCS 570-740088/2-A	Lab Control Sample	Total/NA	Water	625.1	
LCSD 570-740088/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	

Analysis Batch: 740892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-213657-1	MOANALUA WELLS P1	Total/NA	Water	625.1 SIM	740088
MB 570-740088/1-A	Method Blank	Total/NA	Water	625.1 SIM	740088
LCS 570-740088/2-A	Lab Control Sample	Total/NA	Water	625.1 SIM	740088
LCSD 570-740088/3-A	Lab Control Sample Dup	Total/NA	Water	625.1 SIM	740088

Analysis Batch: 744032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-213657-1	MOANALUA WELLS P1	Total/NA	Water	625.1	740088

GC VOA

Analysis Batch: 740696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-213657-1	MOANALUA WELLS P1	Total/NA	Water	8015B GRO LL	
380-213657-2	FB: MOANALUA WELLS P1	Total/NA	Water	8015B GRO LL	
MB 570-740696/6	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-740696/3	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-740696/4	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-740696/5	Lab Control Sample	Total/NA	Water	8015B GRO LL	
380-213690-B-1 MS	Matrix Spike	Total/NA	Water	8015B GRO LL	
380-213690-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B GRO LL	

GC Semi VOA

Prep Batch: 739333

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-213657-1	MOANALUA WELLS P1	Total/NA	Water	3510C	

GC Semi VOA (Continued)

Prep Batch: 739333 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-739333/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-739333/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-739333/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MRL 570-739333/4-A	Lab Control Sample	Total/NA	Water	3510C	
380-213690-C-1-A MS	Matrix Spike	Total/NA	Water	3510C	
380-213690-C-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	

Analysis Batch: 739984

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-213657-1	MOANALUA WELLS P1	Total/NA	Water	8015B	739333
MB 570-739333/1-A	Method Blank	Total/NA	Water	8015B	739333
LCS 570-739333/2-A	Lab Control Sample	Total/NA	Water	8015B	739333
LCSD 570-739333/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	739333
MRL 570-739333/4-A	Lab Control Sample	Total/NA	Water	8015B	739333
380-213690-C-1-A MS	Matrix Spike	Total/NA	Water	8015B	739333
380-213690-C-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	8015B	739333

Lab Chronicle

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

Job ID: 380-213657-1
SDG: Weekly: Moanalua Wells P1

Client Sample ID: MOANALUA WELLS P1

Lab Sample ID: 380-213657-1

Date Collected: 05/11/26 09:15

Matrix: Water

Date Received: 05/13/26 09:28

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			227605	IQ42	EA POM	05/17/26 19:14
Total/NA	Analysis	525.2		1	227747	UPAC	EA POM	05/18/26 11:56
Total/NA	Prep	625.1			740088	KLZQ	EET CAL 4	05/17/26 08:58
Total/NA	Analysis	625.1		1	744032	PQS1	EET CAL 4	05/26/26 10:52
Total/NA	Prep	625.1			740088	KLZQ	EET CAL 4	05/17/26 08:58
Total/NA	Analysis	625.1 SIM		1	740892	PQS1	EET CAL 4	05/19/26 13:17
Total/NA	Analysis	8015B GRO LL		1	740696	W4LC	EET CAL 4	05/19/26 03:32
Total/NA	Prep	3510C			739333	EP2G	EET CAL 4	05/15/26 07:20
Total/NA	Analysis	8015B		1	739984	H6FE	EET CAL 4	05/17/26 02:31

Client Sample ID: FB: MOANALUA WELLS P1

Lab Sample ID: 380-213657-2

Date Collected: 05/11/26 09:15

Matrix: Water

Date Received: 05/13/26 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	740696	W4LC	EET CAL 4	05/19/26 00:51

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: 380-213657-1
SDG: Weekly: Moanalua Wells P1

Laboratory: Eurofins Pomona

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

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

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: 380-213657-1
SDG: Weekly: Moanalua Wells P1

Laboratory: Eurofins Calscience (Continued)

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

Authority	Program	Identification Number	Expiration Date
California	State	3082	07-31-26
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	02-28-27
Washington	State	C916	10-12-26

Method Summary

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

Job ID: 380-213657-1
SDG: Weekly: Moanalua Wells P1

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

Protocol References:

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

Laboratory References:

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

Sample Summary

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

Job ID: 380-213657-1
SDG: Weekly: Moanalua Wells P1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
380-213657-1	MOANALUA WELLS P1	Water	05/11/26 09:15	05/13/26 09:28	Hawaii
380-213657-2	FB: MOANALUA WELLS P1	Water	05/11/26 09:15	05/13/26 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: Cliff Kapcu	Lab PM: Lopez, Maria	Carrier Tracking No(s):	COC No:
Client Contact: Kirk Iwamoto	Phone: +1 808 748 5840	E-Mail: Maria.Lopez@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: City & County of Honolulu	PWSID:			Job #:
Address: 630 South Beretania Street Chemistry Lab	Due Date Requested:			
City: Honolulu	TAT Requested (days):			
State, Zip: HI 96843	Compliance Project: Δ Yes Δ No			
Phone: 808-748-5840 (Tel)	PO #: C20525101 exp 05312023			
Email: kiwamoto@hbws.org	WO #:			
Project Name: RED-HILL/HBWS Sites Event Desc: RUSH Weekly Red Hill	Project #: 38001111			
Site: Hawaii	SSOW#:			

Analysis Requested

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

380-213657 COC

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	625.1, 625.1_SIM	8015B_GRO_LL (MOD) GRO	8015B_DRO_LL_CS - HNL Ranges C10-C24/C24-C36/C8-C18	625.2_PREC (MOD) 625plus Plus TICs																	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	R	RA	Q	QA																	X	
Moanalua Wells P /	11-May-2026	0945	G	Water			2	3	2	2																		
Moanalua Wells P (	11-May-2026	0945		Water				2																				

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

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

Deliverable Requested I, II III IV Other (specify)

Special Instructions/QC Requirements.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment: FedEx 871719026046

Relinquished by	Date/Time:	Company	Received by	Date/Time:	Company
[redacted]	5-12-26 1100	HBWS	[illegible]	5/13/26 925	EEAP
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks: (631A) 2.6 + 0.0 = 2.6 gel - frozen

Ver 04/02/2024

5/26/2026

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

Chain of Custody Record

eurofins | Environment Testing

Loc: 380
213657

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Lopez, Maria	Carrier Tracking No(s): N/A	COC No: 380-334194.1
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 #: 380-213657-1
Address: 2841 Dow Avenue, Suite 100,	Due Date Requested: 5/27/2026			
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	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
MOANALUA WELLS P1 (380-213657-1)	5/11/26	09:15 Hawaiian	G	Water			X	X	X	7	MRLs are needed. Confirm any hits >RL.
FB: MOANALUA WELLS P1 (380-213657-2)	5/11/26	09:15 Hawaiian	G	Water				X		2	MRLs are needed.

380-213657 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 Morrison	5/13/26 1700	ECAP	Lee S	5-13-26 17:00	CAL
2	Lee S	5-13-26 18:15	CAL		5/13/26 1845	IRC
3						

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.2/1.2 IR-8

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-213657-1
SDG Number: Weekly: Moanalua Wells P1

Login Number: 213657
List Number: 1
Creator: Del Rosario, Michael

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: 380-213657-1
SDG Number: Weekly: Moanalua Wells P1

Login Number: 213657
List Number: 2
Creator: Khana, Piyush

List Source: Eurofins Calscience
List Creation: 05/13/26 07:45 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	1.2
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	