eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 8/24/2026 4:08:22 PM

JOB DESCRIPTION

RED-HILL
Weekly: Moanalua Wells
RUSH Weekly Red Hill

JOB NUMBER

380-230427-1

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
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD 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
380-230427-1

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 8/12/2026 9:50 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 1.5°C and 3.2°C.

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

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

Diesel Range Organics
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: 380-230427-1
SDG: Weekly: Moanalua Wells

Client Sample ID: MOANALUA WELLS (331-223-TP202)

Lab Sample ID: 380-230427-1

PWSID Number: HI0000331

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Dieldrin	0.018		0.0096		ug/L	1		525.2	Total/NA

Client Sample ID: TB: MOANALUA WELLS (331-223-TP202)

Lab Sample ID: 380-230427-2

No Detections.

This Detection Summary does not include radiochemical test results.

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

Job ID: 380-230427-1
SDG: Weekly: Moanalua Wells

Client Sample ID: MOANALUA WELLS (331-223-TP202)
Date Collected: 08/10/26 10:07
Date Received: 08/12/26 09:50

Lab Sample ID: 380-230427-1
Matrix: Drinking Water
PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.096		0.096		ug/L		08/14/26 10:52	08/20/26 10:00	1
2,4'-DDD	<0.096		0.096		ug/L		08/14/26 10:52	08/20/26 10:00	1
2,4'-DDE	<0.096		0.096		ug/L		08/14/26 10:52	08/20/26 10:00	1
2,4'-DDT	<0.096		0.096		ug/L		08/14/26 10:52	08/20/26 10:00	1
2,4-Dinitrotoluene	<0.096		0.096		ug/L		08/14/26 10:52	08/20/26 10:00	1
2,6-Dinitrotoluene	<0.096		0.096		ug/L		08/14/26 10:52	08/20/26 10:00	1
2-Methylnaphthalene	<0.096		0.096		ug/L		08/14/26 10:52	08/20/26 10:00	1
4,4'-DDD	<0.096		0.096		ug/L		08/14/26 10:52	08/20/26 10:00	1
4,4'-DDE	<0.096		0.096		ug/L		08/14/26 10:52	08/20/26 10:00	1
4,4'-DDT	<0.096		0.096		ug/L		08/14/26 10:52	08/20/26 10:00	1
Acenaphthene	<0.096		0.096		ug/L		08/14/26 10:52	08/20/26 10:00	1
Acenaphthylene	<0.096		0.096		ug/L		08/14/26 10:52	08/20/26 10:00	1
Acetochlor	<0.096		0.096		ug/L		08/14/26 10:52	08/20/26 10:00	1
Alachlor	<0.048		0.048		ug/L		08/14/26 10:52	08/20/26 10:00	1
alpha-BHC	<0.096		0.096		ug/L		08/14/26 10:52	08/20/26 10:00	1
alpha-Chlordane	<0.048		0.048		ug/L		08/14/26 10:52	08/20/26 10:00	1
Anthracene	<0.019		0.019		ug/L		08/14/26 10:52	08/20/26 10:00	1
Atrazine	<0.048		0.048		ug/L		08/14/26 10:52	08/20/26 10:00	1
Benz(a)anthracene	<0.048		0.048		ug/L		08/14/26 10:52	08/20/26 10:00	1
Benzo[a]pyrene	<0.019		0.019		ug/L		08/14/26 10:52	08/20/26 10:00	1
Benzo[b]fluoranthene	<0.019		0.019		ug/L		08/14/26 10:52	08/20/26 10:00	1
Benzo[g,h,i]perylene	<0.048		0.048		ug/L		08/14/26 10:52	08/20/26 10:00	1
Benzo[k]fluoranthene	<0.019		0.019		ug/L		08/14/26 10:52	08/20/26 10:00	1
beta-BHC	<0.096		0.096		ug/L		08/14/26 10:52	08/20/26 10:00	1
Bis(2-ethylhexyl) phthalate	<0.58		0.58		ug/L		08/14/26 10:52	08/20/26 10:00	1
Bromacil	<0.096		0.096		ug/L		08/14/26 10:52	08/20/26 10:00	1
Butachlor	<0.048		0.048		ug/L		08/14/26 10:52	08/20/26 10:00	1
Butylbenzylphthalate	<0.48		0.48		ug/L		08/14/26 10:52	08/20/26 10:00	1
Chlorobenzilate	<0.096		0.096		ug/L		08/14/26 10:52	08/20/26 10:00	1
Chloroneb	<0.096		0.096		ug/L		08/14/26 10:52	08/20/26 10:00	1
Chlorothalonil (Draconil, Bravo)	<0.096		0.096		ug/L		08/14/26 10:52	08/20/26 10:00	1
Chlorpyrifos	<0.048		0.048		ug/L		08/14/26 10:52	08/20/26 10:00	1
Chrysene	<0.019		0.019		ug/L		08/14/26 10:52	08/20/26 10:00	1
delta-BHC	<0.096		0.096		ug/L		08/14/26 10:52	08/20/26 10:00	1
Di(2-ethylhexyl)adipate	<0.58		0.58		ug/L		08/14/26 10:52	08/20/26 10:00	1
Dibenz(a,h)anthracene	<0.048		0.048		ug/L		08/14/26 10:52	08/20/26 10:00	1
Diclorvos (DDVP)	<0.048		0.048		ug/L		08/14/26 10:52	08/20/26 10:00	1
Dieldrin	**0.018**		0.0096		ug/L		08/14/26 10:52	08/20/26 10:00	1
Diethylphthalate	<0.48		0.48		ug/L		08/14/26 10:52	08/20/26 10:00	1
Dimethylphthalate	<0.48		0.48		ug/L		08/14/26 10:52	08/20/26 10:00	1
Di-n-butyl phthalate	<0.96		0.96		ug/L		08/14/26 10:52	08/20/26 10:00	1
Di-n-octyl phthalate	<0.096		0.096		ug/L		08/14/26 10:52	08/20/26 10:00	1
Endosulfan I (Alpha)	<0.096		0.096		ug/L		08/14/26 10:52	08/20/26 10:00	1
Endosulfan II (Beta)	<0.096		0.096		ug/L		08/14/26 10:52	08/20/26 10:00	1
Endosulfan sulfate	<0.096		0.096		ug/L		08/14/26 10:52	08/20/26 10:00	1
Endrin	<0.0096		0.0096		ug/L		08/14/26 10:52	08/20/26 10:00	1
Endrin aldehyde	<0.096		0.096		ug/L		08/14/26 10:52	08/20/26 10:00	1
EPTC	<0.096		0.096		ug/L		08/14/26 10:52	08/20/26 10:00	1
Fluoranthene	<0.096		0.096		ug/L		08/14/26 10:52	08/20/26 10:00	1

Client Sample ID: MOANALUA WELLS (331-223-TP202)
Date Collected: 08/10/26 10:07
Date Received: 08/12/26 09:50

Lab Sample ID: 380-230427-1
Matrix: Drinking Water
PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.048		0.048		ug/L		08/14/26 10:52	08/20/26 10:00	1
gamma-Chlordane	<0.048		0.048		ug/L		08/14/26 10:52	08/20/26 10:00	1
Heptachlor	<0.0096		0.0096		ug/L		08/14/26 10:52	08/20/26 10:00	1
Heptachlor epoxide (isomer B)	<0.0096		0.0096		ug/L		08/14/26 10:52	08/20/26 10:00	1
Hexachlorobenzene	<0.048		0.048		ug/L		08/14/26 10:52	08/20/26 10:00	1
Hexachlorocyclopentadiene	<0.048		0.048		ug/L		08/14/26 10:52	08/20/26 10:00	1
Indeno[1,2,3-cd]pyrene	<0.048		0.048		ug/L		08/14/26 10:52	08/20/26 10:00	1
Isophorone	<0.096		0.096		ug/L		08/14/26 10:52	08/20/26 10:00	1
Lindane	<0.0096		0.0096		ug/L		08/14/26 10:52	08/20/26 10:00	1
Malathion	<0.096		0.096		ug/L		08/14/26 10:52	08/20/26 10:00	1
Methoxychlor	<0.048		0.048		ug/L		08/14/26 10:52	08/20/26 10:00	1
Metolachlor	<0.048		0.048		ug/L		08/14/26 10:52	08/20/26 10:00	1
Molinate	<0.096		0.096		ug/L		08/14/26 10:52	08/20/26 10:00	1
Naphthalene	<0.096		0.096		ug/L		08/14/26 10:52	08/20/26 10:00	1
Parathion	<0.096		0.096		ug/L		08/14/26 10:52	08/20/26 10:00	1
Pendimethalin (Penoxaline)	<0.096		0.096		ug/L		08/14/26 10:52	08/20/26 10:00	1
Phenanthrene	<0.039		0.039		ug/L		08/14/26 10:52	08/20/26 10:00	1
Propachlor	<0.048		0.048		ug/L		08/14/26 10:52	08/20/26 10:00	1
Pyrene	<0.048		0.048		ug/L		08/14/26 10:52	08/20/26 10:00	1
Simazine	<0.048		0.048		ug/L		08/14/26 10:52	08/20/26 10:00	1
Terbacil	<0.096		0.096		ug/L		08/14/26 10:52	08/20/26 10:00	1
Terbuthylazine	<0.096		0.096		ug/L		08/14/26 10:52	08/20/26 10:00	1
Thiobencarb	<0.096		0.096		ug/L		08/14/26 10:52	08/20/26 10:00	1
Total Permethrin (mixed isomers)	<0.19		0.19		ug/L		08/14/26 10:52	08/20/26 10:00	1
trans-Nonachlor	<0.048		0.048		ug/L		08/14/26 10:52	08/20/26 10:00	1
Trifluralin	<0.096		0.096		ug/L		08/14/26 10:52	08/20/26 10:00	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*	*08/14/26 10:52*	*08/20/26 10:00*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*97*		*70 - 130*	*08/14/26 10:52*	*08/20/26 10:00*	*1*
Perylene-d12	*94*		*70 - 130*	*08/14/26 10:52*	*08/20/26 10:00*	*1*
Triphenylphosphate	*105*		*70 - 130*	*08/14/26 10:52*	*08/20/26 10:00*	*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		08/15/26 13:10	08/19/26 11:31	1
2-Methylnaphthalene	<0.20		0.20		ug/L		08/15/26 13:10	08/19/26 11:31	1
Acenaphthene	<0.20		0.20		ug/L		08/15/26 13:10	08/19/26 11:31	1
Acenaphthylene	<0.20		0.20		ug/L		08/15/26 13:10	08/19/26 11:31	1
Anthracene	<0.20		0.20		ug/L		08/15/26 13:10	08/19/26 11:31	1
Benzo[a]anthracene	<0.20		0.20		ug/L		08/15/26 13:10	08/19/26 11:31	1
Benzo[a]pyrene	<0.20		0.20		ug/L		08/15/26 13:10	08/19/26 11:31	1
Benzo[b]fluoranthene	<0.20		0.20		ug/L		08/15/26 13:10	08/19/26 11:31	1
Benzo[g,h,i]perylene	<0.20		0.20		ug/L		08/15/26 13:10	08/19/26 11:31	1
Benzo[k]fluoranthene	<0.20		0.20		ug/L		08/15/26 13:10	08/19/26 11:31	1
Chrysene	<0.20		0.20		ug/L		08/15/26 13:10	08/19/26 11:31	1
Dibenz(a,h)anthracene	<0.20		0.20		ug/L		08/15/26 13:10	08/19/26 11:31	1
Fluoranthene	<0.20		0.20		ug/L		08/15/26 13:10	08/19/26 11:31	1

Client Sample ID: MOANALUA WELLS (331-223-TP202)

Lab Sample ID: 380-230427-1
Date Collected: 08/10/26 10:07
Matrix: Drinking Water
Date Received: 08/12/26 09:50
PWSID Number: HI0000331

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		08/15/26 13:10	08/19/26 11:31	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20		ug/L		08/15/26 13:10	08/19/26 11:31	1
Naphthalene	<0.20		0.20		ug/L		08/15/26 13:10	08/19/26 11:31	1
Phenanthrene	<0.20		0.20		ug/L		08/15/26 13:10	08/19/26 11:31	1
Pyrene	<0.20		0.20		ug/L		08/15/26 13:10	08/19/26 11:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*87*		*28 - 127*	*08/15/26 13:10*	*08/19/26 11:31*	*1*
2-Fluorobiphenyl (Surr)	*75*		*31 - 120*	*08/15/26 13:10*	*08/19/26 11:31*	*1*
2-Fluorophenol (Surr)	*43*		*17 - 120*	*08/15/26 13:10*	*08/19/26 11:31*	*1*
Nitrobenzene-d5 (Surr)	*72*		*27 - 120*	*08/15/26 13:10*	*08/19/26 11:31*	*1*
Phenol-d6 (Surr)	*27*		*10 - 120*	*08/15/26 13:10*	*08/19/26 11:31*	*1*
p-Terphenyl-d14 (Surr)	*68*		*45 - 120*	*08/15/26 13:10*	*08/19/26 11:31*	*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*
Homomenthyl salicylate	*6.0*	*T J N*	*ug/L*		*8.86*	*52253-93-7*	*08/15/26 13:10*	*08/19/26 14:31*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*69*		*33 - 139*	*08/15/26 13:10*	*08/19/26 14:31*	*1*
2-Fluorobiphenyl (Surr)	*82*		*33 - 126*	*08/15/26 13:10*	*08/19/26 14:31*	*1*
2-Fluorophenol (Surr)	*42*		*12 - 120*	*08/15/26 13:10*	*08/19/26 14:31*	*1*
Nitrobenzene-d5 (Surr)	*82*		*36 - 120*	*08/15/26 13:10*	*08/19/26 14:31*	*1*
Phenol-d6 (Surr)	*27*		*10 - 120*	*08/15/26 13:10*	*08/19/26 14:31*	*1*
p-Terphenyl-d14 (Surr)	*82*		*47 - 131*	*08/15/26 13:10*	*08/19/26 14:31*	*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			08/20/26 18:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*38 - 134*		*08/20/26 18:18*	*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		08/14/26 06:12	08/23/26 05:30	1
Motor Oil Range Organics [C24-C36]	<25		25		ug/L		08/14/26 06:12	08/23/26 05:30	1
C8-C18	<25		25		ug/L		08/14/26 06:12	08/23/26 05:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*99*		*60 - 130*	*08/14/26 06:12*	*08/23/26 05:30*	*1*

Client Sample ID: TB: MOANALUA WELLS (331-223-TP202)

Lab Sample ID: 380-230427-2
Date Collected: 08/10/26 10:07
Matrix: Water
Date Received: 08/12/26 09:50

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			08/20/26 21:33	1

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

Job ID: 380-230427-1
SDG: Weekly: Moanalua Wells

Client Sample ID: TB: MOANALUA WELLS (331-223-TP202)
Date Collected: 08/10/26 10:07
Date Received: 08/12/26 09:50

Lab Sample ID: 380-230427-2
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		38 - 134		08/20/26 21:33	1

Action Limit Summary

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

Job ID: 380-230427-1
SDG: Weekly: Moanalua Wells

Client Sample ID: MOANALUA WELLS (331-223-TP202)

Lab Sample ID: 380-230427-1

PWSID Number: HI0000331

Compliance Check

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

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

Surrogate Summary

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

Job ID: 380-230427-1
SDG: Weekly: Moanalua Wells

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

Matrix: Drinking 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)
380-230427-1	MOANALUA WELLS (331-223-TP2(	97	94	105

Surrogate Legend

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

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)
380-229564-D-1-B MS	Matrix Spike	101	97	116
380-229564-D-1-C MSD	Matrix Spike Duplicate	101	97	121
LCS 380-246523/23-A	Lab Control Sample	97	98	104
MB 380-246523/21-A	Method Blank	95	92	106
MRL 380-246523/22-A	Lab Control Sample	97	92	108

Surrogate Legend

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

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

Matrix: Drinking 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)
380-230427-1	MOANALUA WELLS (331-223-TP2(	69	82	42	82	27	82

Surrogate Legend

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

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)
MB 570-784853/1-A	Method Blank	77	91	57	100	33	90

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: Drinking 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)
380-230427-1	MOANALUA WELLS (331-223-TP2(	87	75	43	72	27	68

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)
LCS 570-784853/2-A	Lab Control Sample	89	89	71	68	46	95
LCSD 570-784853/3-A	Lab Control Sample Dup	86	84	66	66	44	94
MB 570-784853/1-A	Method Blank	88	79	55	90	33	74

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

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

		Percent Surrogate Recovery (Acceptance Limits)
		BFB1
Lab Sample ID	Client Sample ID	(38-134)
380-230427-1	MOANALUA WELLS (331-223-TP2(	104

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

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)
380-230427-2	TB: MOANALUA WELLS (331-223-1	101
380-230428-C-1 MS	Matrix Spike	91
380-230428-C-1 MSD	Matrix Spike Duplicate	103
LCS 570-787520/3	Lab Control Sample	98
LCSD 570-787520/4	Lab Control Sample Dup	97

Surrogate Summary

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

Job ID: 380-230427-1
SDG: Weekly: Moanalua Wells

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

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

		Percent Surrogate Recovery (Acceptance Limits)								
		BFB1								
Lab Sample ID	Client Sample ID	(38-134)								
MB 570-787520/5	Method Blank	85								
MRL 570-787520/6	Lab Control Sample	99								

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)								
		OTCSN1								
Lab Sample ID	Client Sample ID	(60-130)								
380-230427-1	MOANALUA WELLS (331-223-TP2(	99								

Surrogate Legend

OTCSN = n-Octacosane (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)								
380-230428-B-1-A MS	Matrix Spike	88								
380-230428-B-1-B MSD	Matrix Spike Duplicate	92								
LCS 570-783767/2-A	Lab Control Sample	101								
LCSD 570-783767/3-A	Lab Control Sample Dup	108								
MB 570-783767/1-A	Method Blank	104								
MRL 570-783767/4-A	Lab Control Sample	105								

Surrogate Legend

OTCSN = n-Octacosane (Surr)

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

Job ID: 380-230427-1
SDG: Weekly: Moanalua Wells

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

Lab Sample ID: MB 380-246523/21-A
Matrix: Water
Analysis Batch: 247665

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 246523

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.10		0.10		ug/L		08/14/26 10:52	08/20/26 08:58	1
2,4'-DDD	<0.10		0.10		ug/L		08/14/26 10:52	08/20/26 08:58	1
2,4'-DDE	<0.10		0.10		ug/L		08/14/26 10:52	08/20/26 08:58	1
2,4'-DDT	<0.10		0.10		ug/L		08/14/26 10:52	08/20/26 08:58	1
2,4-Dinitrotoluene	<0.10		0.10		ug/L		08/14/26 10:52	08/20/26 08:58	1
2,6-Dinitrotoluene	<0.10		0.10		ug/L		08/14/26 10:52	08/20/26 08:58	1
2-Methylnaphthalene	<0.10		0.10		ug/L		08/14/26 10:52	08/20/26 08:58	1
4,4'-DDD	<0.10		0.10		ug/L		08/14/26 10:52	08/20/26 08:58	1
4,4'-DDE	<0.10		0.10		ug/L		08/14/26 10:52	08/20/26 08:58	1
4,4'-DDT	<0.10		0.10		ug/L		08/14/26 10:52	08/20/26 08:58	1
Acenaphthene	<0.10		0.10		ug/L		08/14/26 10:52	08/20/26 08:58	1
Acenaphthylene	<0.10		0.10		ug/L		08/14/26 10:52	08/20/26 08:58	1
Acetochlor	<0.10		0.10		ug/L		08/14/26 10:52	08/20/26 08:58	1
Alachlor	<0.050		0.050		ug/L		08/14/26 10:52	08/20/26 08:58	1
alpha-BHC	<0.10		0.10		ug/L		08/14/26 10:52	08/20/26 08:58	1
alpha-Chlordane	<0.050		0.050		ug/L		08/14/26 10:52	08/20/26 08:58	1
Anthracene	<0.020		0.020		ug/L		08/14/26 10:52	08/20/26 08:58	1
Atrazine	<0.050		0.050		ug/L		08/14/26 10:52	08/20/26 08:58	1
Benz(a)anthracene	<0.050		0.050		ug/L		08/14/26 10:52	08/20/26 08:58	1
Benzo[a]pyrene	<0.020		0.020		ug/L		08/14/26 10:52	08/20/26 08:58	1
Benzo[b]fluoranthene	<0.020		0.020		ug/L		08/14/26 10:52	08/20/26 08:58	1
Benzo[g,h,i]perylene	<0.050		0.050		ug/L		08/14/26 10:52	08/20/26 08:58	1
Benzo[k]fluoranthene	<0.020		0.020		ug/L		08/14/26 10:52	08/20/26 08:58	1
beta-BHC	<0.10		0.10		ug/L		08/14/26 10:52	08/20/26 08:58	1
Bis(2-ethylhexyl) phthalate	<0.60		0.60		ug/L		08/14/26 10:52	08/20/26 08:58	1
Bromacil	<0.10		0.10		ug/L		08/14/26 10:52	08/20/26 08:58	1
Butachlor	<0.050		0.050		ug/L		08/14/26 10:52	08/20/26 08:58	1
Butylbenzylphthalate	<0.50		0.50		ug/L		08/14/26 10:52	08/20/26 08:58	1
Chlorobenzilate	<0.10		0.10		ug/L		08/14/26 10:52	08/20/26 08:58	1
Chloroneb	<0.10		0.10		ug/L		08/14/26 10:52	08/20/26 08:58	1
Chlorothalonil (Draconil, Bravo)	<0.10		0.10		ug/L		08/14/26 10:52	08/20/26 08:58	1
Chlorpyrifos	<0.050		0.050		ug/L		08/14/26 10:52	08/20/26 08:58	1
Chrysene	<0.020		0.020		ug/L		08/14/26 10:52	08/20/26 08:58	1
delta-BHC	<0.10		0.10		ug/L		08/14/26 10:52	08/20/26 08:58	1
Di(2-ethylhexyl)adipate	<0.60		0.60		ug/L		08/14/26 10:52	08/20/26 08:58	1
Dibenz(a,h)anthracene	<0.050		0.050		ug/L		08/14/26 10:52	08/20/26 08:58	1
Diclorvos (DDVP)	<0.050		0.050		ug/L		08/14/26 10:52	08/20/26 08:58	1
Dieldrin	<0.010		0.010		ug/L		08/14/26 10:52	08/20/26 08:58	1
Diethylphthalate	<0.50		0.50		ug/L		08/14/26 10:52	08/20/26 08:58	1
Dimethylphthalate	<0.50		0.50		ug/L		08/14/26 10:52	08/20/26 08:58	1
Di-n-butyl phthalate	<1.0		1.0		ug/L		08/14/26 10:52	08/20/26 08:58	1
Di-n-octyl phthalate	<0.10		0.10		ug/L		08/14/26 10:52	08/20/26 08:58	1
Endosulfan I (Alpha)	<0.10		0.10		ug/L		08/14/26 10:52	08/20/26 08:58	1
Endosulfan II (Beta)	<0.10		0.10		ug/L		08/14/26 10:52	08/20/26 08:58	1
Endosulfan sulfate	<0.10		0.10		ug/L		08/14/26 10:52	08/20/26 08:58	1
Endrin	<0.010		0.010		ug/L		08/14/26 10:52	08/20/26 08:58	1
Endrin aldehyde	<0.10		0.10		ug/L		08/14/26 10:52	08/20/26 08:58	1
EPTC	<0.10		0.10		ug/L		08/14/26 10:52	08/20/26 08:58	1

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

Lab Sample ID: MB 380-246523/21-A
Matrix: Water
Analysis Batch: 247665

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 246523

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	<0.10		0.10		ug/L		08/14/26 10:52	08/20/26 08:58	1
Fluorene	<0.050		0.050		ug/L		08/14/26 10:52	08/20/26 08:58	1
gamma-Chlordane	<0.050		0.050		ug/L		08/14/26 10:52	08/20/26 08:58	1
Heptachlor	<0.010		0.010		ug/L		08/14/26 10:52	08/20/26 08:58	1
Heptachlor epoxide (isomer B)	<0.010		0.010		ug/L		08/14/26 10:52	08/20/26 08:58	1
Hexachlorobenzene	<0.050		0.050		ug/L		08/14/26 10:52	08/20/26 08:58	1
Hexachlorocyclopentadiene	<0.050		0.050		ug/L		08/14/26 10:52	08/20/26 08:58	1
Indeno[1,2,3-cd]pyrene	<0.050		0.050		ug/L		08/14/26 10:52	08/20/26 08:58	1
Isophorone	<0.10		0.10		ug/L		08/14/26 10:52	08/20/26 08:58	1
Lindane	<0.010		0.010		ug/L		08/14/26 10:52	08/20/26 08:58	1
Malathion	<0.10		0.10		ug/L		08/14/26 10:52	08/20/26 08:58	1
Methoxychlor	<0.050		0.050		ug/L		08/14/26 10:52	08/20/26 08:58	1
Metolachlor	<0.050		0.050		ug/L		08/14/26 10:52	08/20/26 08:58	1
Molinate	<0.10		0.10		ug/L		08/14/26 10:52	08/20/26 08:58	1
Naphthalene	<0.10		0.10		ug/L		08/14/26 10:52	08/20/26 08:58	1
Parathion	<0.10		0.10		ug/L		08/14/26 10:52	08/20/26 08:58	1
Pendimethalin (Penoxaline)	<0.10		0.10		ug/L		08/14/26 10:52	08/20/26 08:58	1
Phenanthrene	<0.040		0.040		ug/L		08/14/26 10:52	08/20/26 08:58	1
Propachlor	<0.050		0.050		ug/L		08/14/26 10:52	08/20/26 08:58	1
Pyrene	<0.050		0.050		ug/L		08/14/26 10:52	08/20/26 08:58	1
Simazine	<0.050		0.050		ug/L		08/14/26 10:52	08/20/26 08:58	1
Terbacil	<0.10		0.10		ug/L		08/14/26 10:52	08/20/26 08:58	1
Terbuthylazine	<0.10		0.10		ug/L		08/14/26 10:52	08/20/26 08:58	1
Thiobencarb	<0.10		0.10		ug/L		08/14/26 10:52	08/20/26 08:58	1
Total Permethrin (mixed isomers)	<0.20		0.20		ug/L		08/14/26 10:52	08/20/26 08:58	1
trans-Nonachlor	<0.050		0.050		ug/L		08/14/26 10:52	08/20/26 08:58	1
Trifluralin	<0.10		0.10		ug/L		08/14/26 10:52	08/20/26 08:58	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Undecane	*6.27*	*T J N*	*ug/L*		*3.19*	*1120-21-4*	*08/14/26 10:52*	*08/20/26 08:58*	*1*
Cyclohexasiloxane, dodecamethyl-	*0.652*	*T J N*	*ug/L*		*3.94*	*540-97-6*	*08/14/26 10:52*	*08/20/26 08:58*	*1*
Hexadecanamide	*0.532*	*T J N*	*ug/L*		*7.10*	*629-54-9*	*08/14/26 10:52*	*08/20/26 08:58*	*1*
9-Octadecenamide, (Z)-	*4.88*	*T J N*	*ug/L*		*7.98*	*301-02-0*	*08/14/26 10:52*	*08/20/26 08:58*	*1*
Octadecanamide	*0.657*	*T J N*	*ug/L*		*8.08*	*124-26-5*	*08/14/26 10:52*	*08/20/26 08:58*	*1*
9-Octadecenamide, (Z)-	*2.53*	*T J N*	*ug/L*		*10.51*	*301-02-0*	*08/14/26 10:52*	*08/20/26 08:58*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*95*		*70 - 130*	*08/14/26 10:52*	*08/20/26 08:58*	*1*
Perylene-d12	*92*		*70 - 130*	*08/14/26 10:52*	*08/20/26 08:58*	*1*
Triphenylphosphate	*106*		*70 - 130*	*08/14/26 10:52*	*08/20/26 08:58*	*1*

Lab Sample ID: LCS 380-246523/23-A
Matrix: Water
Analysis Batch: 247665

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 246523

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1-Methylnaphthalene			1.99	2.03		ug/L		102	70 - 130		
2,4'-DDD			1.99	2.07		ug/L		104	70 - 130		

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

Lab Sample ID: LCS 380-246523/23-A
Matrix: Water
Analysis Batch: 247665

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 246523

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4'-DDE	1.99	2.02		ug/L		102	70 - 130
2,4'-DDT	1.99	2.03		ug/L		102	70 - 130
2,4-Dinitrotoluene	1.99	2.10		ug/L		105	70 - 130
2,6-Dinitrotoluene	1.99	2.06		ug/L		103	70 - 130
2-Methylnaphthalene	1.99	2.03		ug/L		102	70 - 130
4,4'-DDD	1.99	2.04		ug/L		102	70 - 130
4,4'-DDE	1.99	2.01		ug/L		101	70 - 130
4,4'-DDT	1.99	2.10		ug/L		106	70 - 130
Acenaphthene	1.99	2.10		ug/L		106	70 - 130
Acenaphthylene	1.99	1.96		ug/L		98	70 - 130
Acetochlor	1.99	2.10		ug/L		105	70 - 130
Alachlor	1.99	2.11		ug/L		106	70 - 130
alpha-BHC	1.99	2.12		ug/L		107	70 - 130
alpha-Chlordane	1.99	2.06		ug/L		103	70 - 130
Anthracene	1.99	1.98		ug/L		99	70 - 130
Atrazine	1.99	2.15		ug/L		108	70 - 130
Benz(a)anthracene	1.99	2.07		ug/L		104	70 - 130
Benzo[a]pyrene	1.99	2.10		ug/L		106	70 - 130
Benzo[b]fluoranthene	1.99	2.21		ug/L		111	70 - 130
Benzo[g,h,i]perylene	1.99	2.12		ug/L		106	70 - 130
Benzo[k]fluoranthene	1.99	2.05		ug/L		103	70 - 130
beta-BHC	1.99	2.15		ug/L		108	70 - 130
Bis(2-ethylhexyl) phthalate	1.99	2.21		ug/L		111	70 - 130
Bromacil	1.99	1.98		ug/L		99	70 - 130
Butachlor	1.99	2.26		ug/L		114	70 - 130
Butylbenzylphthalate	1.99	2.22		ug/L		111	70 - 130
Chlorobenzilate	1.99	2.08		ug/L		104	70 - 130
Chloroneb	1.99	2.13		ug/L		107	70 - 130
Chlorothalonil (Draconil, Bravo)	1.99	2.04		ug/L		103	70 - 130
Chlorpyrifos	1.99	2.00		ug/L		100	70 - 130
Chrysene	1.99	2.07		ug/L		104	70 - 130
delta-BHC	1.99	2.05		ug/L		103	70 - 130
Di(2-ethylhexyl)adipate	1.99	2.28		ug/L		114	70 - 130
Dibenz(a,h)anthracene	1.99	2.10		ug/L		105	70 - 130
Diclorvos (DDVP)	1.99	1.97		ug/L		99	70 - 130
Dieldrin	1.99	2.06		ug/L		104	70 - 130
Diethylphthalate	1.99	2.19		ug/L		110	70 - 130
Dimethylphthalate	1.99	2.11		ug/L		106	70 - 130
Di-n-butyl phthalate	3.98	4.35		ug/L		109	70 - 130
Di-n-octyl phthalate	1.99	2.11		ug/L		106	70 - 130
Endosulfan I (Alpha)	1.99	2.07		ug/L		104	70 - 130
Endosulfan II (Beta)	1.99	2.12		ug/L		107	70 - 130
Endosulfan sulfate	1.99	2.10		ug/L		105	70 - 130
Endrin	1.99	2.08		ug/L		104	70 - 130
Endrin aldehyde	1.99	2.04		ug/L		102	60 - 130
EPTC	1.99	2.10		ug/L		106	70 - 130
Fluoranthene	1.99	2.08		ug/L		104	70 - 130
Fluorene	1.99	2.06		ug/L		104	70 - 130
gamma-Chlordane	1.99	2.02		ug/L		102	70 - 130

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

Lab Sample ID: LCS 380-246523/23-A
Matrix: Water
Analysis Batch: 247665

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 246523

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Heptachlor	1.99	2.02		ug/L		102	70 - 130
Heptachlor epoxide (isomer B)	1.99	2.02		ug/L		101	70 - 130
Hexachlorobenzene	1.99	1.94		ug/L		97	70 - 130
Hexachlorocyclopentadiene	1.99	1.88		ug/L		94	70 - 130
Indeno[1,2,3-cd]pyrene	1.99	2.17		ug/L		109	70 - 130
Isophorone	1.99	2.05		ug/L		103	70 - 130
Lindane	1.99	2.15		ug/L		108	70 - 130
Malathion	1.99	2.07		ug/L		104	70 - 130
Methoxychlor	1.99	2.17		ug/L		109	70 - 130
Metolachlor	1.99	2.15		ug/L		108	70 - 130
Molinate	1.99	2.12		ug/L		106	70 - 130
Naphthalene	1.99	2.01		ug/L		101	70 - 130
Parathion	1.99	2.10		ug/L		105	70 - 130
Pendimethalin (Penoxaline)	1.99	2.05		ug/L		103	70 - 130
Phenanthrene	1.99	1.98		ug/L		99	70 - 130
Propachlor	1.99	2.19		ug/L		110	70 - 130
Pyrene	1.99	2.06		ug/L		103	70 - 130
Simazine	1.99	2.09		ug/L		105	70 - 130
Terbacil	1.99	2.02		ug/L		102	70 - 130
Terbuthylazine	1.99	2.18		ug/L		110	70 - 130
Thiobencarb	1.99	2.11		ug/L		106	70 - 130
trans-Nonachlor	1.99	2.04		ug/L		102	70 - 130
Trifluralin	1.99	2.02		ug/L		101	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Nitro-m-xylene	*97*		*70 - 130*
Perylene-d12	*98*		*70 - 130*
Triphenylphosphate	*104*		*70 - 130*

Lab Sample ID: MRL 380-246523/22-A
Matrix: Water
Analysis Batch: 247665

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 246523

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	0.0993	0.0760	J	ug/L		77	50 - 150
2,4'-DDD	0.0993	0.0943	J	ug/L		95	50 - 150
2,4'-DDE	0.0993	0.101		ug/L		102	50 - 150
2,4'-DDT	0.0993	0.107		ug/L		108	50 - 150
2,4-Dinitrotoluene	0.0993	0.132		ug/L		133	50 - 150
2,6-Dinitrotoluene	0.0993	0.112		ug/L		113	50 - 150
2-Methylnaphthalene	0.0993	0.0789	J	ug/L		79	50 - 150
4,4'-DDD	0.0993	0.108		ug/L		109	50 - 150
4,4'-DDE	0.0993	0.102		ug/L		103	50 - 150
4,4'-DDT	0.0993	0.112		ug/L		113	50 - 150
Acenaphthene	0.0993	0.0838	J	ug/L		84	50 - 150
Acenaphthylene	0.0993	0.0750	J	ug/L		76	50 - 150
Acetochlor	0.0993	0.103		ug/L		103	50 - 150
Alachlor	0.0496	0.0634		ug/L		128	50 - 150

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

Lab Sample ID: MRL 380-246523/22-A
Matrix: Water
Analysis Batch: 247665

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 246523

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
alpha-BHC	0.0993	0.0977	J	ug/L		98	50 - 150
alpha-Chlordane	0.0248	<0.029		ug/L		108	50 - 150
Anthracene	0.0199	0.0273		ug/L		137	50 - 150
Atrazine	0.0496	0.0552		ug/L		111	50 - 150
Benz(a)anthracene	0.0496	0.0552		ug/L		111	50 - 150
Benzo[a]pyrene	0.0199	0.0230		ug/L		116	50 - 150
Benzo[b]fluoranthene	0.0199	0.0240		ug/L		121	50 - 150
Benzo[g,h,i]perylene	0.0496	0.0496	J	ug/L		100	50 - 150
Benzo[k]fluoranthene	0.0199	0.0234		ug/L		118	50 - 150
beta-BHC	0.0993	0.105		ug/L		106	50 - 150
Bis(2-ethylhexyl) phthalate	0.596	0.708		ug/L		119	50 - 150
Bromacil	0.0993	0.115		ug/L		116	50 - 150
Butachlor	0.0496	0.0608		ug/L		123	50 - 150
Butylbenzylphthalate	0.496	0.632		ug/L		127	50 - 150
Chlorobenzilate	0.0993	0.109		ug/L		110	50 - 150
Chloroneb	0.0993	0.103		ug/L		103	50 - 150
Chlorothalonil (Draconil, Bravo)	0.0993	0.106		ug/L		107	50 - 150
Chlorpyrifos	0.0496	0.0564		ug/L		114	50 - 150
Chrysene	0.0199	0.0207		ug/L		104	50 - 150
delta-BHC	0.0993	0.107		ug/L		107	50 - 150
Di(2-ethylhexyl)adipate	0.596	0.752		ug/L		126	50 - 150
Dibenz(a,h)anthracene	0.0496	0.0555		ug/L		112	50 - 150
Diclorvos (DDVP)	0.0496	0.0578		ug/L		116	50 - 150
Dieldrin	0.00993	0.0102		ug/L		103	50 - 150
Diethylphthalate	0.496	0.575		ug/L		116	50 - 150
Dimethylphthalate	0.496	0.521		ug/L		105	50 - 150
Di-n-butyl phthalate	0.496	0.706	J	ug/L		142	49 - 243
Di-n-octyl phthalate	0.0993	0.110		ug/L		111	50 - 150
Endosulfan I (Alpha)	0.0993	0.106		ug/L		107	50 - 150
Endosulfan II (Beta)	0.0993	0.113		ug/L		114	50 - 150
Endosulfan sulfate	0.0993	0.113		ug/L		114	50 - 150
Endrin	0.00993	0.00879	J	ug/L		89	50 - 150
Endrin aldehyde	0.0993	0.113		ug/L		114	50 - 150
EPTC	0.0993	0.0877	J	ug/L		88	50 - 150
Fluoranthene	0.0993	0.100		ug/L		101	50 - 150
Fluorene	0.0496	<0.050		ug/L		91	50 - 150
gamma-Chlordane	0.0248	0.0263	J	ug/L		106	50 - 150
Heptachlor	0.00993	0.0113		ug/L		113	50 - 150
Heptachlor epoxide (isomer B)	0.00993	0.0102		ug/L		103	50 - 150
Hexachlorobenzene	0.0496	<0.041		ug/L		81	50 - 150
Hexachlorocyclopentadiene	0.0496	<0.038		ug/L		70	50 - 150
Indeno[1,2,3-cd]pyrene	0.0496	0.0498	J	ug/L		100	50 - 150
Isophorone	0.0993	0.0836	J	ug/L		84	50 - 150
Lindane	0.00993	0.00847	J	ug/L		85	50 - 150
Malathion	0.0993	0.103		ug/L		104	50 - 150
Methoxychlor	0.0496	0.0571		ug/L		115	50 - 150
Metolachlor	0.0496	0.0547		ug/L		110	50 - 150
Molinate	0.0993	0.106		ug/L		106	50 - 150
Naphthalene	0.0993	0.0813	J	ug/L		82	50 - 150

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

Lab Sample ID: MRL 380-246523/22-A
Matrix: Water
Analysis Batch: 247665

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 246523

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Parathion	0.0993	0.100		ug/L		101	50 - 150
Pendimethalin (Penoxaline)	0.0993	0.107		ug/L		107	50 - 150
Phenanthrene	0.0397	0.0394	J	ug/L		99	50 - 150
Propachlor	0.0496	0.0518		ug/L		104	50 - 150
Pyrene	0.0496	0.0511		ug/L		103	50 - 150
Simazine	0.0496	0.0532		ug/L		107	50 - 150
Terbacil	0.0993	0.113		ug/L		114	50 - 150
Terbuthylazine	0.0993	0.108		ug/L		108	50 - 150
Thiobencarb	0.0993	0.109		ug/L		110	50 - 150
trans-Nonachlor	0.0248	0.0285	J	ug/L		115	50 - 150
Trifluralin	0.0993	0.0991		ug/L		100	50 - 150

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
2-Nitro-m-xylene	*97*		*70 - 130*
Perylene-d12	*92*		*70 - 130*
Triphenylphosphate	*108*		*70 - 130*

Lab Sample ID: 380-229564-D-1-B MS
Matrix: Water
Analysis Batch: 247665

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 246523

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.096		1.92	1.96		ug/L		102	70 - 130
2,4'-DDD	<0.096		1.92	1.82		ug/L		95	70 - 130
2,4'-DDE	<0.096		1.92	1.57		ug/L		82	70 - 130
2,4'-DDT	<0.096		1.92	1.59		ug/L		83	70 - 130
2,4-Dinitrotoluene	<0.096		1.92	2.40		ug/L		125	70 - 130
2,6-Dinitrotoluene	<0.096	F1	1.92	2.43		ug/L		127	70 - 130
2-Methylnaphthalene	<0.096		1.92	1.97		ug/L		103	70 - 130
4,4'-DDD	<0.096		1.92	1.81		ug/L		94	70 - 130
4,4'-DDE	<0.096		1.92	1.54		ug/L		80	70 - 130
4,4'-DDT	<0.096		1.92	1.61		ug/L		84	70 - 130
Acenaphthene	<0.096		1.92	2.04		ug/L		107	70 - 130
Acenaphthylene	<0.096		1.92	2.00		ug/L		104	70 - 130
Acetochlor	<0.096		1.92	2.32		ug/L		121	70 - 130
Alachlor	<0.048		1.92	2.29		ug/L		119	70 - 130
alpha-BHC	<0.096		1.92	2.13		ug/L		111	70 - 130
alpha-Chlordane	<0.048		1.92	1.81		ug/L		94	70 - 130
Anthracene	<0.019		1.92	2.04		ug/L		106	70 - 130
Atrazine	<0.048		1.92	2.05		ug/L		107	70 - 130
Benz(a)anthracene	<0.048		1.92	2.10		ug/L		110	70 - 130
Benzo[a]pyrene	<0.019		1.92	2.01		ug/L		105	70 - 130
Benzo[b]fluoranthene	<0.019		1.92	2.02		ug/L		106	70 - 130
Benzo[g,h,i]perylene	<0.048		1.92	1.69		ug/L		88	70 - 130
Benzo[k]fluoranthene	<0.019		1.92	1.79		ug/L		93	70 - 130
beta-BHC	<0.096		1.92	2.26		ug/L		118	70 - 130
Bis(2-ethylhexyl) phthalate	<0.57		1.92	1.71		ug/L		79	70 - 130
Bromacil	<0.096	F1	1.92	2.59	F1	ug/L		135	70 - 130

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

Lab Sample ID: 380-229564-D-1-B MS
Matrix: Water
Analysis Batch: 247665

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 246523

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Butachlor	<0.048	F1	1.92	2.47		ug/L		129	70 - 130
Butylbenzylphthalate	<0.48	F1	1.92	2.46		ug/L		128	70 - 130
Chlorobenzilate	<0.096		1.92	2.36		ug/L		123	70 - 130
Chloroneb	<0.096		1.92	2.04		ug/L		106	70 - 130
Chlorothalonil (Draconil, Bravo)	<0.096		1.92	2.15		ug/L		112	70 - 130
Chlorpyrifos	<0.048		1.92	2.10		ug/L		110	70 - 130
Chrysene	<0.019		1.92	1.98		ug/L		103	70 - 130
delta-BHC	<0.096		1.92	2.32		ug/L		121	70 - 130
Di(2-ethylhexyl)adipate	<0.57		1.92	1.65		ug/L		86	70 - 130
Dibenz(a,h)anthracene	<0.048		1.92	1.72		ug/L		90	70 - 130
Diclorvos (DDVP)	<0.048		1.92	2.18		ug/L		114	70 - 130
Dieldrin	<0.0096		1.92	1.97		ug/L		103	70 - 130
Diethylphthalate	<0.48		1.92	2.30		ug/L		115	70 - 130
Dimethylphthalate	<0.48		1.92	2.21		ug/L		115	70 - 130
Di-n-butyl phthalate	<0.96	F1	3.84	NQ	E	ug/L			70 - 130
Di-n-octyl phthalate	<0.096		1.92	1.44		ug/L		75	70 - 130
Endosulfan I (Alpha)	<0.096		1.92	2.00		ug/L		104	70 - 130
Endosulfan II (Beta)	<0.096		1.92	2.16		ug/L		113	70 - 130
Endosulfan sulfate	<0.096		1.92	2.00		ug/L		104	70 - 130
Endrin	<0.0096		1.92	2.17		ug/L		113	70 - 130
Endrin aldehyde	<0.096	F1 F2	1.92	0.750	F1	ug/L		39	60 - 130
EPTC	<0.096		1.92	2.07		ug/L		108	70 - 130
Fluoranthene	<0.096		1.92	2.20		ug/L		115	70 - 130
Fluorene	<0.048		1.92	2.05		ug/L		107	70 - 130
gamma-Chlordane	<0.048		1.92	1.77		ug/L		92	70 - 130
Heptachlor	<0.0096		1.92	1.90		ug/L		99	70 - 130
Heptachlor epoxide (isomer B)	<0.0096		1.92	2.11		ug/L		110	70 - 130
Hexachlorobenzene	<0.048		1.92	1.85		ug/L		96	70 - 130
Hexachlorocyclopentadiene	<0.048		1.92	2.04		ug/L		107	70 - 130
Indeno[1,2,3-cd]pyrene	<0.048		1.92	1.83		ug/L		96	70 - 130
Isophorone	<0.096		1.92	2.07		ug/L		107	70 - 130
Lindane	<0.0096		1.92	1.82		ug/L		95	70 - 130
Malathion	<0.096		1.92	2.38		ug/L		124	70 - 130
Methoxychlor	<0.048		1.92	2.30		ug/L		120	70 - 130
Metolachlor	<0.048		1.92	2.21		ug/L		115	70 - 130
Molinate	<0.096		1.92	2.11		ug/L		110	70 - 130
Naphthalene	<0.096		1.92	1.94		ug/L		101	70 - 130
Parathion	<0.096	F1	1.92	2.60	F1	ug/L		135	70 - 130
Pendimethalin (Penoxaline)	<0.096		1.92	2.41		ug/L		125	70 - 130
Phenanthrene	<0.038		1.92	2.07		ug/L		108	70 - 130
Propachlor	<0.048		1.92	2.28		ug/L		119	70 - 130
Pyrene	<0.048		1.92	2.17		ug/L		113	70 - 130
Simazine	<0.048		1.92	2.15		ug/L		112	70 - 130
Terbacil	<0.096		1.92	2.45		ug/L		128	70 - 130
Terbuthylazine	<0.096		1.92	2.28		ug/L		119	70 - 130
Thiobencarb	<0.096		1.92	2.22		ug/L		116	70 - 130
trans-Nonachlor	<0.048		1.92	1.63		ug/L		85	70 - 130
Trifluralin	<0.096		1.92	2.17		ug/L		113	70 - 130

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

Lab Sample ID: 380-229564-D-1-B MS
Matrix: Water
Analysis Batch: 247665

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 246523

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Nitro-m-xylene	*101*		*70 - 130*
Perylene-d12	*97*		*70 - 130*
Triphenylphosphate	*116*		*70 - 130*

Lab Sample ID: 380-229564-D-1-C MSD
Matrix: Water
Analysis Batch: 247665

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 246523

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	<0.096		1.91	1.94		ug/L		102	70 - 130	1	20
2,4'-DDD	<0.096		1.91	1.83		ug/L		96	70 - 130	1	20
2,4'-DDE	<0.096		1.91	1.58		ug/L		83	70 - 130	1	20
2,4'-DDT	<0.096		1.91	1.59		ug/L		83	70 - 130	0	20
2,4-Dinitrotoluene	<0.096		1.91	2.47		ug/L		129	70 - 130	3	20
2,6-Dinitrotoluene	<0.096	F1	1.91	2.53	F1	ug/L		132	70 - 130	4	20
2-Methylnaphthalene	<0.096		1.91	1.94		ug/L		102	70 - 130	2	20
4,4'-DDD	<0.096		1.91	1.83		ug/L		96	70 - 130	1	20
4,4'-DDE	<0.096		1.91	1.56		ug/L		81	70 - 130	1	20
4,4'-DDT	<0.096		1.91	1.62		ug/L		85	70 - 130	1	20
Acenaphthene	<0.096		1.91	2.04		ug/L		107	70 - 130	0	20
Acenaphthylene	<0.096		1.91	2.00		ug/L		105	70 - 130	0	20
Acetochlor	<0.096		1.91	2.28		ug/L		119	70 - 130	2	20
Alachlor	<0.048		1.91	2.32		ug/L		121	70 - 130	1	20
alpha-BHC	<0.096		1.91	2.12		ug/L		111	70 - 130	1	20
alpha-Chlordane	<0.048		1.91	1.85		ug/L		97	70 - 130	2	20
Anthracene	<0.019		1.91	2.06		ug/L		108	70 - 130	1	20
Atrazine	<0.048		1.91	2.01		ug/L		105	70 - 130	2	20
Benz(a)anthracene	<0.048		1.91	2.16		ug/L		113	70 - 130	3	20
Benzo[a]pyrene	<0.019		1.91	2.01		ug/L		105	70 - 130	0	20
Benzo[b]fluoranthene	<0.019		1.91	2.00		ug/L		105	70 - 130	1	20
Benzo[g,h,i]perylene	<0.048		1.91	1.74		ug/L		91	70 - 130	3	20
Benzo[k]fluoranthene	<0.019		1.91	1.81		ug/L		95	70 - 130	1	20
beta-BHC	<0.096		1.91	2.17		ug/L		114	70 - 130	4	20
Bis(2-ethylhexyl) phthalate	<0.57		1.91	1.71		ug/L		79	70 - 130	0	20
Bromacil	<0.096	F1	1.91	2.63	F1	ug/L		138	70 - 130	2	20
Butachlor	<0.048	F1	1.91	2.51	F1	ug/L		131	70 - 130	2	20
Butylbenzylphthalate	<0.48	F1	1.91	2.54	F1	ug/L		133	70 - 130	3	20
Chlorobenzilate	<0.096		1.91	2.44		ug/L		128	70 - 130	3	20
Chloroneb	<0.096		1.91	2.00		ug/L		105	70 - 130	2	20
Chlorothalonil (Draconil, Bravo)	<0.096		1.91	2.15		ug/L		112	70 - 130	0	20
Chlorpyrifos	<0.048		1.91	2.17		ug/L		114	70 - 130	3	20
Chrysene	<0.019		1.91	2.02		ug/L		105	70 - 130	2	20
delta-BHC	<0.096		1.91	2.32		ug/L		121	70 - 130	0	20
Di(2-ethylhexyl)adipate	<0.57		1.91	1.67		ug/L		87	70 - 130	1	20
Dibenz(a,h)anthracene	<0.048		1.91	1.73		ug/L		90	70 - 130	0	20
Diclorvos (DDVP)	<0.048		1.91	2.18		ug/L		114	70 - 130	0	20
Dieldrin	<0.0096		1.91	2.00		ug/L		105	70 - 130	1	20
Diethylphthalate	<0.48		1.91	2.28		ug/L		114	70 - 130	1	20

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

Lab Sample ID: 380-229564-D-1-C MSD
Matrix: Water
Analysis Batch: 247665

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 246523

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Dimethylphthalate	<0.48		1.91	2.18		ug/L		114	70 - 130	1	20
Di-n-butyl phthalate	<0.96	F1	3.82	NQ	E F1	ug/L		0	70 - 130	NC	20
Di-n-octyl phthalate	<0.096		1.91	1.44		ug/L		75	70 - 130	0	20
Endosulfan I (Alpha)	<0.096		1.91	2.00		ug/L		104	70 - 130	0	20
Endosulfan II (Beta)	<0.096		1.91	2.16		ug/L		113	70 - 130	0	20
Endosulfan sulfate	<0.096		1.91	2.04		ug/L		107	70 - 130	2	20
Endrin	<0.0096		1.91	2.16		ug/L		113	70 - 130	1	20
Endrin aldehyde	<0.096	F1 F2	1.91	0.534	F1 F2	ug/L		28	60 - 130	34	20
EPTC	<0.096		1.91	2.12		ug/L		111	70 - 130	2	20
Fluoranthene	<0.096		1.91	2.21		ug/L		116	70 - 130	1	20
Fluorene	<0.048		1.91	2.04		ug/L		107	70 - 130	0	20
gamma-Chlordane	<0.048		1.91	1.79		ug/L		94	70 - 130	1	20
Heptachlor	<0.0096		1.91	1.95		ug/L		102	70 - 130	2	20
Heptachlor epoxide (isomer B)	<0.0096		1.91	2.20		ug/L		115	70 - 130	4	20
Hexachlorobenzene	<0.048		1.91	1.82		ug/L		95	70 - 130	2	20
Hexachlorocyclopentadiene	<0.048		1.91	1.96		ug/L		102	70 - 130	4	20
Indeno[1,2,3-cd]pyrene	<0.048		1.91	1.88		ug/L		98	70 - 130	2	20
Isophorone	<0.096		1.91	2.10		ug/L		109	70 - 130	1	20
Lindane	<0.0096		1.91	1.83		ug/L		96	70 - 130	0	20
Malathion	<0.096		1.91	2.39		ug/L		125	70 - 130	1	20
Methoxychlor	<0.048		1.91	2.31		ug/L		121	70 - 130	0	20
Metolachlor	<0.048		1.91	2.30		ug/L		120	70 - 130	4	20
Molinate	<0.096		1.91	2.12		ug/L		111	70 - 130	0	20
Naphthalene	<0.096		1.91	1.93		ug/L		101	70 - 130	1	20
Parathion	<0.096	F1	1.91	2.67	F1	ug/L		140	70 - 130	3	20
Pendimethalin (Penoxaline)	<0.096		1.91	2.48		ug/L		130	70 - 130	3	20
Phenanthrene	<0.038		1.91	2.08		ug/L		109	70 - 130	1	20
Propachlor	<0.048		1.91	2.27		ug/L		119	70 - 130	0	20
Pyrene	<0.048		1.91	2.19		ug/L		114	70 - 130	1	20
Simazine	<0.048		1.91	2.08		ug/L		109	70 - 130	3	20
Terbacil	<0.096		1.91	2.39		ug/L		125	70 - 130	3	20
Terbuthylazine	<0.096		1.91	2.18		ug/L		114	70 - 130	5	20
Thiobencarb	<0.096		1.91	2.22		ug/L		116	70 - 130	0	20
trans-Nonachlor	<0.048		1.91	1.69		ug/L		88	70 - 130	4	20
Trifluralin	<0.096		1.91	2.22		ug/L		116	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Nitro-m-xylene	*101*		*70 - 130*
Perylene-d12	*97*		*70 - 130*
Triphenylphosphate	*121*		*70 - 130*

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

Lab Sample ID: MB 570-784853/1-A
Matrix: Water
Analysis Batch: 786745

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 784853

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	08/15/26 08:02	08/19/26 08:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	77		33 - 139	08/15/26 08:02	08/19/26 08:29	1
2-Fluorobiphenyl (Surr)	91		33 - 126	08/15/26 08:02	08/19/26 08:29	1
2-Fluorophenol (Surr)	57		12 - 120	08/15/26 08:02	08/19/26 08:29	1
Nitrobenzene-d5 (Surr)	100		36 - 120	08/15/26 08:02	08/19/26 08:29	1
Phenol-d6 (Surr)	33		10 - 120	08/15/26 08:02	08/19/26 08:29	1
p-Terphenyl-d14 (Surr)	90		47 - 131	08/15/26 08:02	08/19/26 08:29	1

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

Lab Sample ID: MB 570-784853/1-A
Matrix: Water
Analysis Batch: 786738

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 784853

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.20		0.20	ug/L		08/15/26 08:02	08/19/26 07:27	1
2-Methylnaphthalene	<0.20		0.20	ug/L		08/15/26 08:02	08/19/26 07:27	1
Acenaphthene	<0.20		0.20	ug/L		08/15/26 08:02	08/19/26 07:27	1
Acenaphthylene	<0.20		0.20	ug/L		08/15/26 08:02	08/19/26 07:27	1
Anthracene	<0.20		0.20	ug/L		08/15/26 08:02	08/19/26 07:27	1
Benzo[a]anthracene	<0.20		0.20	ug/L		08/15/26 08:02	08/19/26 07:27	1
Benzo[a]pyrene	<0.20		0.20	ug/L		08/15/26 08:02	08/19/26 07:27	1
Benzo[b]fluoranthene	<0.20		0.20	ug/L		08/15/26 08:02	08/19/26 07:27	1
Benzo[g,h,i]perylene	<0.20		0.20	ug/L		08/15/26 08:02	08/19/26 07:27	1
Benzo[k]fluoranthene	<0.20		0.20	ug/L		08/15/26 08:02	08/19/26 07:27	1
Chrysene	<0.20		0.20	ug/L		08/15/26 08:02	08/19/26 07:27	1
Dibenz(a,h)anthracene	<0.20		0.20	ug/L		08/15/26 08:02	08/19/26 07:27	1
Fluoranthene	<0.20		0.20	ug/L		08/15/26 08:02	08/19/26 07:27	1
Fluorene	<0.20		0.20	ug/L		08/15/26 08:02	08/19/26 07:27	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20	ug/L		08/15/26 08:02	08/19/26 07:27	1
Naphthalene	<0.20		0.20	ug/L		08/15/26 08:02	08/19/26 07:27	1
Phenanthrene	<0.20		0.20	ug/L		08/15/26 08:02	08/19/26 07:27	1
Pyrene	<0.20		0.20	ug/L		08/15/26 08:02	08/19/26 07:27	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	88		28 - 127	08/15/26 08:02	08/19/26 07:27	1
2-Fluorobiphenyl (Surr)	79		31 - 120	08/15/26 08:02	08/19/26 07:27	1
2-Fluorophenol (Surr)	55		17 - 120	08/15/26 08:02	08/19/26 07:27	1
Nitrobenzene-d5 (Surr)	90		27 - 120	08/15/26 08:02	08/19/26 07:27	1
Phenol-d6 (Surr)	33		10 - 120	08/15/26 08:02	08/19/26 07:27	1
p-Terphenyl-d14 (Surr)	74		45 - 120	08/15/26 08:02	08/19/26 07:27	1

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

Lab Sample ID: LCS 570-784853/2-A
Matrix: Water
Analysis Batch: 786738

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 784853

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	20.0	12.4		ug/L		62	47 - 120
2-Methylnaphthalene	20.0	12.2		ug/L		61	43 - 120
Acenaphthene	20.0	17.2		ug/L		86	60 - 132
Acenaphthylene	20.0	17.5		ug/L		87	54 - 126
Anthracene	20.0	17.3		ug/L		86	43 - 120
Benzo[a]anthracene	20.0	19.4		ug/L		97	42 - 133
Benzo[a]pyrene	20.0	22.5		ug/L		113	32 - 148
Benzo[b]fluoranthene	20.0	20.0		ug/L		100	42 - 140
Benzo[g,h,i]perylene	20.0	19.2		ug/L		96	1 - 195
Benzo[k]fluoranthene	20.0	19.3		ug/L		97	25 - 146
Chrysene	20.0	18.1		ug/L		90	44 - 140
Dibenz(a,h)anthracene	20.0	19.7		ug/L		99	1 - 200
Fluoranthene	20.0	18.1		ug/L		90	43 - 121
Fluorene	20.0	17.5		ug/L		87	70 - 120
Indeno[1,2,3-cd]pyrene	20.0	18.6		ug/L		93	1 - 151
Naphthalene	20.0	11.6		ug/L		58	36 - 120
Phenanthrene	20.0	17.4		ug/L		87	65 - 120
Pyrene	20.0	19.9		ug/L		100	70 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*89*		*28 - 127*
2-Fluorobiphenyl (Surr)	*89*		*31 - 120*
2-Fluorophenol (Surr)	*71*		*17 - 120*
Nitrobenzene-d5 (Surr)	*68*		*27 - 120*
Phenol-d6 (Surr)	*46*		*10 - 120*
p-Terphenyl-d14 (Surr)	*95*		*45 - 120*

Lab Sample ID: LCSD 570-784853/3-A
Matrix: Water
Analysis Batch: 786738

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 784853

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	20.0	12.1		ug/L		60	47 - 120	3	20
2-Methylnaphthalene	20.0	12.0		ug/L		60	43 - 120	1	20
Acenaphthene	20.0	16.8		ug/L		84	60 - 132	3	29
Acenaphthylene	20.0	16.8		ug/L		84	54 - 126	4	45
Anthracene	20.0	16.7		ug/L		84	43 - 120	3	40
Benzo[a]anthracene	20.0	19.2		ug/L		96	42 - 133	1	32
Benzo[a]pyrene	20.0	22.5		ug/L		113	32 - 148	0	43
Benzo[b]fluoranthene	20.0	20.2		ug/L		101	42 - 140	1	43
Benzo[g,h,i]perylene	20.0	19.1		ug/L		95	1 - 195	1	61
Benzo[k]fluoranthene	20.0	19.2		ug/L		96	25 - 146	1	38
Chrysene	20.0	17.9		ug/L		89	44 - 140	1	53
Dibenz(a,h)anthracene	20.0	19.9		ug/L		100	1 - 200	1	75
Fluoranthene	20.0	18.0		ug/L		90	43 - 121	1	40
Fluorene	20.0	17.2		ug/L		86	70 - 120	1	23
Indeno[1,2,3-cd]pyrene	20.0	18.5		ug/L		93	1 - 151	1	60
Naphthalene	20.0	11.4		ug/L		57	36 - 120	2	39

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

Lab Sample ID: LCSD 570-784853/3-A
Matrix: Water
Analysis Batch: 786738

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 784853

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phenanthrene			20.0	17.2		ug/L		86	65 - 120	2	24
Pyrene			20.0	19.6		ug/L		98	70 - 120	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*86*		*28 - 127*
2-Fluorobiphenyl (Surr)	*84*		*31 - 120*
2-Fluorophenol (Surr)	*66*		*17 120*
Nitrobenzene-d5 (Surr)	*66*		*27 - 120*
Phenol-d6 (Surr)	*44*		*10 - 120*
p-Terphenyl-d14 (Surr)	*94*		*45 - 120*

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

Lab Sample ID: MB 570-787520/5
Matrix: Water
Analysis Batch: 787520

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			08/20/26 10:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*38 - 134*		*08/20/26 10:52*	*1*

Lab Sample ID: LCS 570-787520/3
Matrix: Water
Analysis Batch: 787520

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	329		ug/L		82	78 - 120		

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

Lab Sample ID: LCSD 570-787520/4
Matrix: Water
Analysis Batch: 787520

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	326		ug/L		82	78 - 120	1	10

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

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

Lab Sample ID: MRL 570-787520/6
Matrix: Water
Analysis Batch: 787520

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	11.8		ug/L		118	50 - 150		

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

Lab Sample ID: 380-230428-C-1 MS
Matrix: Water
Analysis Batch: 787520

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)	*91*		*38 - 134*

Lab Sample ID: 380-230428-C-1 MSD
Matrix: Water
Analysis Batch: 787520

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	374		ug/L		93	68 - 122	1	18

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

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

Lab Sample ID: MB 570-783767/1-A
Matrix: Water
Analysis Batch: 788809

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 783767

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<25		25		ug/L		08/13/26 10:21	08/23/26 01:11	1
Motor Oil Range Organics [C24-C36]	<25		25		ug/L		08/13/26 10:21	08/23/26 01:11	1
C8-C18	<25		25		ug/L		08/13/26 10:21	08/23/26 01:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*104*		*60 - 130*	*08/13/26 10:21*	*08/23/26 01:11*	*1*

Lab Sample ID: LCS 570-783767/2-A
Matrix: Water
Analysis Batch: 788809

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 783767

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28			1600	1550		ug/L		97	56 - 127		

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

Lab Sample ID: LCS 570-783767/2-A
Matrix: Water
Analysis Batch: 788809

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 783767

Surrogate	LCS %Recovery	LCS Qualifier	Limits
n-Octacosane (Surr)	*101*		*60 - 130*

Lab Sample ID: LCSD 570-783767/3-A
Matrix: Water
Analysis Batch: 788809

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 783767

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28			1600	1570		ug/L		98	56 - 127	1	23

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
n-Octacosane (Surr)	*108*		*60 - 130*

Lab Sample ID: MRL 570-783767/4-A
Matrix: Water
Analysis Batch: 788809

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 783767

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
C10-C28			0.0200	0.0286		mg/L		143	50 - 150

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

Lab Sample ID: 380-230428-B-1-A MS
Matrix: Water
Analysis Batch: 788809

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 783767

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
C10-C28	<26		1650	1320		ug/L		80	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
n-Octacosane (Surr)	*88*		*60 - 130*

Lab Sample ID: 380-230428-B-1-B MSD
Matrix: Water
Analysis Batch: 788809

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 783767

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28	<26		1660	1530		ug/L		92	70 - 130	15	20

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

GC/MS Semi VOA

Prep Batch: 246523

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-230427-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	525.2	
MB 380-246523/21-A	Method Blank	Total/NA	Water	525.2	
LCS 380-246523/23-A	Lab Control Sample	Total/NA	Water	525.2	
MRL 380-246523/22-A	Lab Control Sample	Total/NA	Water	525.2	
380-229564-D-1-B MS	Matrix Spike	Total/NA	Water	525.2	
380-229564-D-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	525.2	

Analysis Batch: 247665

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-230427-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	525.2	246523
MB 380-246523/21-A	Method Blank	Total/NA	Water	525.2	246523
LCS 380-246523/23-A	Lab Control Sample	Total/NA	Water	525.2	246523
MRL 380-246523/22-A	Lab Control Sample	Total/NA	Water	525.2	246523
380-229564-D-1-B MS	Matrix Spike	Total/NA	Water	525.2	246523
380-229564-D-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	525.2	246523

Prep Batch: 784853

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-230427-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	625.1	
MB 570-784853/1-A	Method Blank	Total/NA	Water	625.1	
LCS 570-784853/2-A	Lab Control Sample	Total/NA	Water	625.1	
LCSD 570-784853/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	

Analysis Batch: 786738

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-230427-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	625.1 SIM	784853
MB 570-784853/1-A	Method Blank	Total/NA	Water	625.1 SIM	784853
LCS 570-784853/2-A	Lab Control Sample	Total/NA	Water	625.1 SIM	784853
LCSD 570-784853/3-A	Lab Control Sample Dup	Total/NA	Water	625.1 SIM	784853

Analysis Batch: 786745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-230427-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	625.1	784853
MB 570-784853/1-A	Method Blank	Total/NA	Water	625.1	784853

GC VOA

Analysis Batch: 787520

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-230427-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	8015B GRO LL	
380-230427-2	TB: MOANALUA WELLS (331-223-TP202)	Total/NA	Water	8015B GRO LL	
MB 570-787520/5	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-787520/3	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-787520/4	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-787520/6	Lab Control Sample	Total/NA	Water	8015B GRO LL	
380-230428-C-1 MS	Matrix Spike	Total/NA	Water	8015B GRO LL	
380-230428-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: 380-230427-1
SDG: Weekly: Moanalua Wells

GC Semi VOA

Prep Batch: 783767

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-230427-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	3510C	
MB 570-783767/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-783767/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-783767/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MRL 570-783767/4-A	Lab Control Sample	Total/NA	Water	3510C	
380-230428-B-1-A MS	Matrix Spike	Total/NA	Water	3510C	
380-230428-B-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	

Analysis Batch: 788809

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-230427-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	8015B	783767
MB 570-783767/1-A	Method Blank	Total/NA	Water	8015B	783767
LCS 570-783767/2-A	Lab Control Sample	Total/NA	Water	8015B	783767
LCSD 570-783767/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	783767
MRL 570-783767/4-A	Lab Control Sample	Total/NA	Water	8015B	783767
380-230428-B-1-A MS	Matrix Spike	Total/NA	Water	8015B	783767
380-230428-B-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	8015B	783767

Lab Chronicle

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

Job ID: 380-230427-1
SDG: Weekly: Moanalua Wells

Client Sample ID: MOANALUA WELLS (331-223-TP202)

Lab Sample ID: 380-230427-1

Date Collected: 08/10/26 10:07

Matrix: Drinking Water

Date Received: 08/12/26 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			246523	L9UA	EA POM	08/14/26 10:52
Total/NA	Analysis	525.2		1	247665	Q8LA	EA POM	08/20/26 10:00
Total/NA	Prep	625.1			784853	KLZQ	EET CAL 4	08/15/26 13:10
Total/NA	Analysis	625.1		1	786745	PQS1	EET CAL 4	08/19/26 14:31
Total/NA	Prep	625.1			784853	KLZQ	EET CAL 4	08/15/26 13:10
Total/NA	Analysis	625.1 SIM		1	786738	PQS1	EET CAL 4	08/19/26 11:31
Total/NA	Analysis	8015B GRO LL		1	787520	W4LC	EET CAL 4	08/20/26 18:18
Total/NA	Prep	3510C			783767	EP2G	EET CAL 4	08/14/26 06:12
Total/NA	Analysis	8015B		1	788809	H6FE	EET CAL 4	08/23/26 05:30

Client Sample ID: TB: MOANALUA WELLS (331-223-TP202)

Lab Sample ID: 380-230427-2

Date Collected: 08/10/26 10:07

Matrix: Water

Date Received: 08/12/26 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015B GRO LL		1	787520	W4LC	EET CAL 4	08/20/26 21:33

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: 380-230427-1
SDG: Weekly: Moanalua Wells

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	Drinking Water	1-Methylnaphthalene
525.2	525.2	Drinking Water	2,4'-DDD
525.2	525.2	Drinking Water	2,4'-DDE
525.2	525.2	Drinking Water	2,4'-DDT
525.2	525.2	Drinking Water	2,4-Dinitrotoluene
525.2	525.2	Drinking Water	2,6-Dinitrotoluene
525.2	525.2	Drinking Water	2-Methylnaphthalene
525.2	525.2	Drinking Water	4,4'-DDD
525.2	525.2	Drinking Water	4,4'-DDE
525.2	525.2	Drinking Water	4,4'-DDT
525.2	525.2	Drinking Water	Acetochlor
525.2	525.2	Drinking Water	alpha-BHC
525.2	525.2	Drinking Water	alpha-Chlordane
525.2	525.2	Drinking Water	beta-BHC
525.2	525.2	Drinking Water	Chlorobenzilate
525.2	525.2	Drinking Water	Chloroneb
525.2	525.2	Drinking Water	Chlorothalonil (Draconil, Bravo)
525.2	525.2	Drinking Water	Chlorpyrifos
525.2	525.2	Drinking Water	delta-BHC
525.2	525.2	Drinking Water	Diclorvos (DDVP)
525.2	525.2	Drinking Water	Endosulfan I (Alpha)
525.2	525.2	Drinking Water	Endosulfan II (Beta)
525.2	525.2	Drinking Water	Endosulfan sulfate
525.2	525.2	Drinking Water	Endrin aldehyde
525.2	525.2	Drinking Water	EPTC
525.2	525.2	Drinking Water	gamma-Chlordane
525.2	525.2	Drinking Water	Isophorone
525.2	525.2	Drinking Water	Malathion
525.2	525.2	Drinking Water	Parathion
525.2	525.2	Drinking Water	Pendimethalin (Penoxaline)
525.2	525.2	Drinking Water	Terbacil
525.2	525.2	Drinking Water	Terbuthylazine
525.2	525.2	Drinking Water	Total Permethrin (mixed isomers)
525.2	525.2	Drinking 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	07-31-28
California	SCAQMD LAP	17LA0919	11-30-26

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

Laboratory: Eurofins Calscience (Continued)

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

Authority	Program	Identification Number	Expiration Date
California	State	3082	07-31-28
Kansas	NELAP	E-10420	07-31-27
Nevada	State	CA00111	07-31-27
Oregon	NELAP	4175	02-02-27
Texas	NELAP	T104704499	07-31-27
USDA	US Federal Programs	525-23-159-97150	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: 380-230427-1
SDG: Weekly: Moanalua Wells

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: 380-230427-1
SDG: Weekly: Moanalua Wells

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	PWSID Number
380-230427-1	MOANALUA WELLS (331-223-TP202)	Drinking Water	08/10/26 10:07	08/12/26 09:50	HI0000331
380-230427-2	TB: MOANALUA WELLS (331-223-TP202)	Water	08/10/26 10:07	08/12/26 09:50	

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: 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:

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) 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		
Moanalua Wells (331-223-TP202)	10-Aug-2026	1007	G	Water			2	3	2	1				pump 1
Moanalua Wells (331-223-TP202) (Matrix Spike)				Water										
Moanalua Wells (331-223-TP202) (Matrix Spike Duplicate)				Water										
TB: Moanalua Wells (331-223-TP202)	10-Aug-2026	1007		Water				2						

380-230427 COC

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment: FedX 871564353966
[redacted]	Date/Time: 11 AUGUST 2026 1600	Company: HBWS	Received by: Mark Miranda
Relinquished by:	Date/Time:	Company:	Received by:
Relinquished by:	Date/Time:	Company:	Received by:

Custody Seals Intact: Δ Yes Δ No	Custody Seal No..	Cooler Temperature(s) °C and Other Remarks: (A31A) 3+0.2=3.5 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: 11AUG26
ACTWGT: 32.00 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:

58KJ6/C457/484B

FedEx Express

E

J261026012001uv

WED - 12 AUG 10:30A
PRIORITY OVERNIGHT

6 of 6
MPS# 0263 8756 4353 1013
Mstr# 8756 4353 0966

0201

91768

WM ONTA

CA-US ONT

(63(A)) 3.0+0.2=3.2 gel-frozen
[signature] MarkUrrutia
8/12/26 950

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 | E

Loc: 380
230427

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Lopez, Maria	Carrier Tracking No(s): N/A	COC No: 380-369147.1
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 #: 380-230427-1
Address: 2841 Dow Avenue, Suite 100,	Due Date Requested: 8/24/2026			
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=wastetoil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	625.1/625_Prep(MOD) Tentatively Identified Compounds (Hold)	625.1_SIM/625_Prep(MOD) Extended PAH List	8015B_DRO_LL_CS/3510C_LL/HML Ranges: C10-C24/C24-C36/C8-C18	8015B_GRO_LL/5030C(MOD) GRO	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
MOANALUA WELLS (331-223-TP202) (380-230427-1)	8/10/26	10:07 Hawaiian	G	Water			X	X	X	X	7	, MRLs are needed. Confirm any hits >RL.
TB:MOANALUA WELLS (331-223-TP202) (380-230427-2)	8/10/26	10:07 Hawaiian	G	Water						X	2	MRLs are needed. Confirm any hits >RL.

380-230427 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
Relinquished by:	8/13/26 1420	EBA		8/13/26 1420	EC
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.8/1.8 IR-8

Ver: 03/20/2026

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-230427-1
SDG Number: Weekly: Moanalua Wells

Login Number: 230427
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: 380-230427-1
SDG Number: Weekly: Moanalua Wells

Login Number: 230427
List Number: 2
Creator: Khana, Piyush

List Source: Eurofins Calscience
List Creation: 08/13/26 03:50 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	1.8
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	