

ANALYTICAL REPORT

PREPARED FOR

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JOB DESCRIPTION

RED-HILL
Weekly: Moanalua Wells
RUSH Weekly Red Hill

JOB NUMBER

380-236596-1

Eurofins Pomona

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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Definitions/Glossary

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

Job ID: 380-236596-1
SDG: Weekly: Moanalua Wells

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery 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.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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

Case Narrative

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

Job ID: 380-236596-1

Job ID: 380-236596-1

Eurofins Pomona

Job Narrative 380-236596-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 9/16/2026 9:47 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 1.6°C and 1.9°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.

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Detection Summary

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

Job ID: 380-236596-1
SDG: Weekly: Moanalua Wells

Client Sample ID: MOANALUA WELLS (331-223-TP202)
PWSID Number: HI0000331

Lab Sample ID: 380-236596-1

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin	0.023		0.0098	ug/L	1		525.2	Total/NA

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

Lab Sample ID: 380-236596-2

No Detections.

This Detection Summary does not include radiochemical test results.

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Client Sample Results

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

Job ID: 380-236596-1
SDG: Weekly: Moanalua Wells

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

Lab Sample ID: 380-236596-1

Date Collected: 09/14/26 09:52

Matrix: Drinking Water

Date Received: 09/16/26 09:47

PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.098		0.098	ug/L		09/17/26 07:58	09/17/26 20:25	1
2,4'-DDD	<0.098		0.098	ug/L		09/17/26 07:58	09/17/26 20:25	1
2,4'-DDE	<0.098		0.098	ug/L		09/17/26 07:58	09/17/26 20:25	1
2,4'-DDT	<0.098		0.098	ug/L		09/17/26 07:58	09/17/26 20:25	1
2,4-Dinitrotoluene	<0.098		0.098	ug/L		09/17/26 07:58	09/17/26 20:25	1
2,6-Dinitrotoluene	<0.098		0.098	ug/L		09/17/26 07:58	09/17/26 20:25	1
2-Methylnaphthalene	<0.098		0.098	ug/L		09/17/26 07:58	09/17/26 20:25	1
4,4'-DDD	<0.098		0.098	ug/L		09/17/26 07:58	09/17/26 20:25	1
4,4'-DDE	<0.098		0.098	ug/L		09/17/26 07:58	09/17/26 20:25	1
4,4'-DDT	<0.098		0.098	ug/L		09/17/26 07:58	09/17/26 20:25	1
Acenaphthene	<0.098		0.098	ug/L		09/17/26 07:58	09/17/26 20:25	1
Acenaphthylene	<0.098		0.098	ug/L		09/17/26 07:58	09/17/26 20:25	1
Acetochlor	<0.098		0.098	ug/L		09/17/26 07:58	09/17/26 20:25	1
Alachlor	<0.049		0.049	ug/L		09/17/26 07:58	09/17/26 20:25	1
alpha-BHC	<0.098		0.098	ug/L		09/17/26 07:58	09/17/26 20:25	1
alpha-Chlordane	<0.049		0.049	ug/L		09/17/26 07:58	09/17/26 20:25	1
Anthracene	<0.020		0.020	ug/L		09/17/26 07:58	09/17/26 20:25	1
Atrazine	<0.049		0.049	ug/L		09/17/26 07:58	09/17/26 20:25	1
Benz(a)anthracene	<0.049		0.049	ug/L		09/17/26 07:58	09/17/26 20:25	1
Benzo[a]pyrene	<0.020		0.020	ug/L		09/17/26 07:58	09/17/26 20:25	1
Benzo[b]fluoranthene	<0.020		0.020	ug/L		09/17/26 07:58	09/17/26 20:25	1
Benzo[g,h,i]perylene	<0.049		0.049	ug/L		09/17/26 07:58	09/17/26 20:25	1
Benzo[k]fluoranthene	<0.020		0.020	ug/L		09/17/26 07:58	09/17/26 20:25	1
beta-BHC	<0.098		0.098	ug/L		09/17/26 07:58	09/17/26 20:25	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59	ug/L		09/17/26 07:58	09/17/26 20:25	1
Bromacil	<0.098		0.098	ug/L		09/17/26 07:58	09/17/26 20:25	1
Butachlor	<0.049		0.049	ug/L		09/17/26 07:58	09/17/26 20:25	1
Butylbenzylphthalate	<0.49		0.49	ug/L		09/17/26 07:58	09/17/26 20:25	1
Chlorobenzilate	<0.098		0.098	ug/L		09/17/26 07:58	09/17/26 20:25	1
Chloroneb	<0.098		0.098	ug/L		09/17/26 07:58	09/17/26 20:25	1
Chlorothalonil (Draconil, Bravo)	<0.098		0.098	ug/L		09/17/26 07:58	09/17/26 20:25	1
Chlorpyrifos	<0.049		0.049	ug/L		09/17/26 07:58	09/17/26 20:25	1
Chrysene	<0.020		0.020	ug/L		09/17/26 07:58	09/17/26 20:25	1
delta-BHC	<0.098		0.098	ug/L		09/17/26 07:58	09/17/26 20:25	1
Di(2-ethylhexyl)adipate	<0.59		0.59	ug/L		09/17/26 07:58	09/17/26 20:25	1
Dibenz(a,h)anthracene	<0.049		0.049	ug/L		09/17/26 07:58	09/17/26 20:25	1
Diclorvos (DDVP)	<0.049		0.049	ug/L		09/17/26 07:58	09/17/26 20:25	1
Dieldrin	0.023		0.0098	ug/L		09/17/26 07:58	09/17/26 20:25	1
Diethylphthalate	<0.49		0.49	ug/L		09/17/26 07:58	09/17/26 20:25	1
Dimethylphthalate	<0.49		0.49	ug/L		09/17/26 07:58	09/17/26 20:25	1
Di-n-butyl phthalate	<0.98		0.98	ug/L		09/17/26 07:58	09/17/26 20:25	1
Di-n-octyl phthalate	<0.098		0.098	ug/L		09/17/26 07:58	09/17/26 20:25	1
Endosulfan I (Alpha)	<0.098		0.098	ug/L		09/17/26 07:58	09/17/26 20:25	1
Endosulfan II (Beta)	<0.098		0.098	ug/L		09/17/26 07:58	09/17/26 20:25	1
Endosulfan sulfate	<0.098		0.098	ug/L		09/17/26 07:58	09/17/26 20:25	1
Endrin	<0.0098		0.0098	ug/L		09/17/26 07:58	09/17/26 20:25	1
Endrin aldehyde	<0.098		0.098	ug/L		09/17/26 07:58	09/17/26 20:25	1
EPTC	<0.098		0.098	ug/L		09/17/26 07:58	09/17/26 20:25	1
Fluoranthene	<0.098		0.098	ug/L		09/17/26 07:58	09/17/26 20:25	1

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Client Sample Results

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

Job ID: 380-236596-1
SDG: Weekly: Moanalua Wells

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

Lab Sample ID: 380-236596-1

Date Collected: 09/14/26 09:52

Matrix: Drinking Water

Date Received: 09/16/26 09:47

PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.049		0.049	ug/L		09/17/26 07:58	09/17/26 20:25	1
gamma-Chlordane	<0.049		0.049	ug/L		09/17/26 07:58	09/17/26 20:25	1
Heptachlor	<0.0098		0.0098	ug/L		09/17/26 07:58	09/17/26 20:25	1
Heptachlor epoxide (isomer B)	<0.0098		0.0098	ug/L		09/17/26 07:58	09/17/26 20:25	1
Hexachlorobenzene	<0.049		0.049	ug/L		09/17/26 07:58	09/17/26 20:25	1
Hexachlorocyclopentadiene	<0.049		0.049	ug/L		09/17/26 07:58	09/17/26 20:25	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049	ug/L		09/17/26 07:58	09/17/26 20:25	1
Isophorone	<0.098		0.098	ug/L		09/17/26 07:58	09/17/26 20:25	1
Lindane	<0.0098		0.0098	ug/L		09/17/26 07:58	09/17/26 20:25	1
Malathion	<0.098		0.098	ug/L		09/17/26 07:58	09/17/26 20:25	1
Methoxychlor	<0.049		0.049	ug/L		09/17/26 07:58	09/17/26 20:25	1
Metolachlor	<0.049		0.049	ug/L		09/17/26 07:58	09/17/26 20:25	1
Molinate	<0.098		0.098	ug/L		09/17/26 07:58	09/17/26 20:25	1
Naphthalene	<0.098		0.098	ug/L		09/17/26 07:58	09/17/26 20:25	1
Parathion	<0.098		0.098	ug/L		09/17/26 07:58	09/17/26 20:25	1
Pendimethalin (Penoxaline)	<0.098		0.098	ug/L		09/17/26 07:58	09/17/26 20:25	1
Phenanthrene	<0.039		0.039	ug/L		09/17/26 07:58	09/17/26 20:25	1
Propachlor	<0.049		0.049	ug/L		09/17/26 07:58	09/17/26 20:25	1
Pyrene	<0.049		0.049	ug/L		09/17/26 07:58	09/17/26 20:25	1
Simazine	<0.049		0.049	ug/L		09/17/26 07:58	09/17/26 20:25	1
Terbacil	<0.098		0.098	ug/L		09/17/26 07:58	09/17/26 20:25	1
Terbutylazine	<0.098		0.098	ug/L		09/17/26 07:58	09/17/26 20:25	1
Thiobencarb	<0.098		0.098	ug/L		09/17/26 07:58	09/17/26 20:25	1
Total Permethrin (mixed isomers)	<0.20		0.20	ug/L		09/17/26 07:58	09/17/26 20:25	1
trans-Nonachlor	<0.049		0.049	ug/L		09/17/26 07:58	09/17/26 20:25	1
Trifluralin	<0.098		0.098	ug/L		09/17/26 07:58	09/17/26 20:25	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A	09/17/26 07:58	09/17/26 20:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	97		70 - 130	09/17/26 07:58	09/17/26 20:25	1
Perylene-d12	90		70 - 130	09/17/26 07:58	09/17/26 20:25	1
Triphenylphosphate	104		70 - 130	09/17/26 07:58	09/17/26 20:25	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		09/19/26 08:06	09/27/26 14:25	1
2-Methylnaphthalene	<0.20		0.20	ug/L		09/19/26 08:06	09/27/26 14:25	1
Acenaphthene	<0.20		0.20	ug/L		09/19/26 08:06	09/27/26 14:25	1
Acenaphthylene	<0.20		0.20	ug/L		09/19/26 08:06	09/27/26 14:25	1
Anthracene	<0.20		0.20	ug/L		09/19/26 08:06	09/27/26 14:25	1
Benzo[a]anthracene	<0.20		0.20	ug/L		09/19/26 08:06	09/27/26 14:25	1
Benzo[a]pyrene	<0.20		0.20	ug/L		09/19/26 08:06	09/27/26 14:25	1
Benzo[b]fluoranthene	<0.20		0.20	ug/L		09/19/26 08:06	09/27/26 14:25	1
Benzo[g,h,i]perylene	<0.20		0.20	ug/L		09/19/26 08:06	09/27/26 14:25	1
Benzo[k]fluoranthene	<0.20		0.20	ug/L		09/19/26 08:06	09/27/26 14:25	1
Chrysene	<0.20		0.20	ug/L		09/19/26 08:06	09/27/26 14:25	1
Dibenz(a,h)anthracene	<0.20		0.20	ug/L		09/19/26 08:06	09/27/26 14:25	1
Fluoranthene	<0.20		0.20	ug/L		09/19/26 08:06	09/27/26 14:25	1

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Client Sample Results

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

Job ID: 380-236596-1
SDG: Weekly: Moanalua Wells

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

Lab Sample ID: 380-236596-1

Date Collected: 09/14/26 09:52

Matrix: Drinking Water

Date Received: 09/16/26 09:47

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		09/19/26 08:06	09/27/26 14:25	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20	ug/L		09/19/26 08:06	09/27/26 14:25	1
Naphthalene	<0.20		0.20	ug/L		09/19/26 08:06	09/27/26 14:25	1
Phenanthrene	<0.20		0.20	ug/L		09/19/26 08:06	09/27/26 14:25	1
Pyrene	<0.20		0.20	ug/L		09/19/26 08:06	09/27/26 14:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	76		28 - 127	09/19/26 08:06	09/27/26 14:25	1
2-Fluorobiphenyl (Surr)	72		31 - 120	09/19/26 08:06	09/27/26 14:25	1
2-Fluorophenol (Surr)	42		17 - 120	09/19/26 08:06	09/27/26 14:25	1
Nitrobenzene-d5 (Surr)	76		27 - 120	09/19/26 08:06	09/27/26 14:25	1
Phenol-d6 (Surr)	27		10 - 120	09/19/26 08:06	09/27/26 14:25	1
p-Terphenyl-d14 (Surr)	77		45 - 120	09/19/26 08:06	09/27/26 14:25	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
Methylene Chloride	9.8	T J N	ug/L		1.62	75-09-2	09/19/26 08:06	09/27/26 16:31	1
3-Penten-2-one, 4-methyl-	83	T J N	ug/L		1.79	141-79-7	09/19/26 08:06	09/27/26 16:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	67		33 - 139	09/19/26 08:06	09/27/26 16:31	1
2-Fluorobiphenyl (Surr)	82		33 - 126	09/19/26 08:06	09/27/26 16:31	1
2-Fluorophenol (Surr)	38		12 - 120	09/19/26 08:06	09/27/26 16:31	1
Nitrobenzene-d5 (Surr)	76		36 - 120	09/19/26 08:06	09/27/26 16:31	1
Phenol-d6 (Surr)	20		10 - 120	09/19/26 08:06	09/27/26 16:31	1
p-Terphenyl-d14 (Surr)	91		47 - 131	09/19/26 08:06	09/27/26 16:31	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			09/18/26 21:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		38 - 134		09/18/26 21:00	1

Method: SW846 8015B - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<26		26	ug/L		09/17/26 21:12	09/20/26 02:29	1
Motor Oil Range Organics [C24-C36]	<26		26	ug/L		09/17/26 21:12	09/20/26 02:29	1
C8-C18	<26		26	ug/L		09/17/26 21:12	09/20/26 02:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	97		60 - 130	09/17/26 21:12	09/20/26 02:29	1

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

Lab Sample ID: 380-236596-2

Date Collected: 09/14/26 09:52

Matrix: Water

Date Received: 09/16/26 09:47

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			09/18/26 16:14	1

Eurofins Pomona

Client Sample Results

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

Job ID: 380-236596-1
SDG: Weekly: Moanalua Wells

Client Sample ID: TB: MOANALUA WELLS (331-223-TP202) Lab Sample ID: 380-236596-2
Date Collected: 09/14/26 09:52 Matrix: Water
Date Received: 09/16/26 09:47

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		38 - 134		09/18/26 16:14	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Action Limit Summary

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

Job ID: 380-236596-1
SDG: Weekly: Moanalua Wells

Client Sample ID: MOANALUA WELLS (331-223-TP202)
PWSID Number: HI0000331

Lab Sample ID: 380-236596-1

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	RL	Method	Prep Type
				Limit			
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	<0.20		ug/L	0.2	0.20	625.1 SIM	Total/NA

Surrogate Summary

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

Job ID: 380-236596-1
SDG: Weekly: Moanalua Wells

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

Matrix: Drinking Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	2NMX (70-130)	PRY (70-130)	TPP (70-130)					
380-236596-1	MOANALUA WELLS (331-223-T	97	90	104					
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)						
Lab Sample ID	Client Sample ID	2NMX	PRY	TPP				
		(70-130)	(70-130)	(70-130)				
380-236436-X-1-A MS	Matrix Spike	97	94	106				
380-236455-X-1-A DU	Duplicate	97	92	104				
LCS 380-253076/23-A	Lab Control Sample	95	95	105				
MB 380-253076/21-A	Method Blank	96	92	106				
MRL 380-253076/22-A	Lab Control Sample	96	92	104				
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)		
380-236596-1	MOANALUA WELLS (331-223-T	67	82	38	76	20	91		
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)							
Lab Sample ID	Client Sample ID	TBP (33-139)	FBP (33-126)	2FP (12-120)	NBZ (36-120)	PHL6 (10-120)	TPHd14 (47-131)		
MB 570-802543/1-A	Method Blank	82	91	54	86	19	104		
Surrogate Legend									
TBP = 2,4,6-Tribromophenol (Surr)									
FBP = 2-Fluorobiphenyl (Surr)									
2FP = 2-Fluorophenol (Surr)									
NBZ = Nitrobenzene-d5 (Surr)									

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Surrogate Summary

Client: City & County of Honolulu
Project/Site: RED-HILL
PHL6 = Phenol-d6 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)

Job ID: 380-236596-1
SDG: Weekly: Moanalua Wells

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

Matrix: Drinking Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TBP (28-127)	FBP (31-120)	2FP (17-120)	NBZ (27-120)	PHL6 (10-120)	TPHd14 (45-120)
380-236596-1	MOANALUA WELLS (331-223-T	76	72	42	76	27	77

Surrogate Legend

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

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TBP (28-127)	FBP (31-120)	2FP (17-120)	NBZ (27-120)	PHL6 (10-120)	TPHd14 (45-120)
380-236599-A-1-D MS	Matrix Spike	85	81	53	66	38	89
380-236599-A-1-E MSD	Matrix Spike Duplicate	76	73	46	61	32	78
LCS 570-802543/2-A	Lab Control Sample	78	76	51	72	35	83
LCSD 570-802543/3-A	Lab Control Sample Dup	89	87	66	85	44	95
MB 570-802543/1-A	Method Blank	95	79	49	83	30	79

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)

Lab Sample ID	Client Sample ID	BFB1 (38-134)
380-236596-1	MOANALUA WELLS (331-223-T	98

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)

Lab Sample ID	Client Sample ID	BFB1 (38-134)
380-236015-E-1 MSD	Matrix Spike Duplicate	100
380-236015-G-1 MS	Matrix Spike	101
380-236596-2	TB: MOANALUA WELLS (331-223-TP202)	101

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Surrogate Summary

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

Job ID: 380-236596-1
SDG: Weekly: Moanalua Wells

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB1 (38-134)
LCS 570-802037/3	Lab Control Sample	98
LCSD 570-802037/4	Lab Control Sample Dup	102
MB 570-802037/6	Method Blank	104
MRL 570-802037/5	Lab Control Sample	101

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)

Lab Sample ID	Client Sample ID	OTCSN1 (60-130)
380-236596-1	MOANALUA WELLS (331-223-T	97

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)

Lab Sample ID	Client Sample ID	OTCSN1 (60-130)
380-236599-B-1-A MS	Matrix Spike	116
380-236599-B-1-B MSD	Matrix Spike Duplicate	104
LCS 570-801871/2-A	Lab Control Sample	108
LCSD 570-801871/3-A	Lab Control Sample Dup	100
MB 570-801871/1-A	Method Blank	106
MRL 570-801871/4-A	Lab Control Sample	124

Surrogate Legend

OTCSN = n-Octacosane (Surr)

QC Sample Results

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

Job ID: 380-236596-1
SDG: Weekly: Moanalua Wells

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

Lab Sample ID: MB 380-253076/21-A

Matrix: Water

Analysis Batch: 253204

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 253076

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.099		0.099	ug/L		09/17/26 07:58	09/17/26 15:57	1
2,4'-DDD	<0.099		0.099	ug/L		09/17/26 07:58	09/17/26 15:57	1
2,4'-DDE	<0.099		0.099	ug/L		09/17/26 07:58	09/17/26 15:57	1
2,4'-DDT	<0.099		0.099	ug/L		09/17/26 07:58	09/17/26 15:57	1
2,4-Dinitrotoluene	<0.099		0.099	ug/L		09/17/26 07:58	09/17/26 15:57	1
2,6-Dinitrotoluene	<0.099		0.099	ug/L		09/17/26 07:58	09/17/26 15:57	1
2-Methylnaphthalene	<0.099		0.099	ug/L		09/17/26 07:58	09/17/26 15:57	1
4,4'-DDD	<0.099		0.099	ug/L		09/17/26 07:58	09/17/26 15:57	1
4,4'-DDE	<0.099		0.099	ug/L		09/17/26 07:58	09/17/26 15:57	1
4,4'-DDT	<0.099		0.099	ug/L		09/17/26 07:58	09/17/26 15:57	1
Acenaphthene	<0.099		0.099	ug/L		09/17/26 07:58	09/17/26 15:57	1
Acenaphthylene	<0.099		0.099	ug/L		09/17/26 07:58	09/17/26 15:57	1
Acetochlor	<0.099		0.099	ug/L		09/17/26 07:58	09/17/26 15:57	1
Alachlor	<0.050		0.050	ug/L		09/17/26 07:58	09/17/26 15:57	1
alpha-BHC	<0.099		0.099	ug/L		09/17/26 07:58	09/17/26 15:57	1
alpha-Chlordane	<0.050		0.050	ug/L		09/17/26 07:58	09/17/26 15:57	1
Anthracene	<0.020		0.020	ug/L		09/17/26 07:58	09/17/26 15:57	1
Atrazine	<0.050		0.050	ug/L		09/17/26 07:58	09/17/26 15:57	1
Benz(a)anthracene	<0.050		0.050	ug/L		09/17/26 07:58	09/17/26 15:57	1
Benzo[a]pyrene	<0.020		0.020	ug/L		09/17/26 07:58	09/17/26 15:57	1
Benzo[b]fluoranthene	<0.020		0.020	ug/L		09/17/26 07:58	09/17/26 15:57	1
Benzo[g,h,i]perylene	<0.050		0.050	ug/L		09/17/26 07:58	09/17/26 15:57	1
Benzo[k]fluoranthene	<0.020		0.020	ug/L		09/17/26 07:58	09/17/26 15:57	1
beta-BHC	<0.099		0.099	ug/L		09/17/26 07:58	09/17/26 15:57	1
Bis(2-ethylhexyl) phthalate	<0.60		0.60	ug/L		09/17/26 07:58	09/17/26 15:57	1
Bromacil	<0.099		0.099	ug/L		09/17/26 07:58	09/17/26 15:57	1
Butachlor	<0.050		0.050	ug/L		09/17/26 07:58	09/17/26 15:57	1
Butylbenzylphthalate	<0.50		0.50	ug/L		09/17/26 07:58	09/17/26 15:57	1
Chlorobenzilate	<0.099		0.099	ug/L		09/17/26 07:58	09/17/26 15:57	1
Chloroneb	<0.099		0.099	ug/L		09/17/26 07:58	09/17/26 15:57	1
Chlorothalonil (Draconil, Bravo)	<0.099		0.099	ug/L		09/17/26 07:58	09/17/26 15:57	1
Chlorpyrifos	<0.050		0.050	ug/L		09/17/26 07:58	09/17/26 15:57	1
Chrysene	<0.020		0.020	ug/L		09/17/26 07:58	09/17/26 15:57	1
delta-BHC	<0.099		0.099	ug/L		09/17/26 07:58	09/17/26 15:57	1
Di(2-ethylhexyl)adipate	<0.60		0.60	ug/L		09/17/26 07:58	09/17/26 15:57	1
Dibenz(a,h)anthracene	<0.050		0.050	ug/L		09/17/26 07:58	09/17/26 15:57	1
Diclorvos (DDVP)	<0.050		0.050	ug/L		09/17/26 07:58	09/17/26 15:57	1
Dieldrin	<0.0099		0.0099	ug/L		09/17/26 07:58	09/17/26 15:57	1
Diethylphthalate	<0.50		0.50	ug/L		09/17/26 07:58	09/17/26 15:57	1
Dimethylphthalate	<0.50		0.50	ug/L		09/17/26 07:58	09/17/26 15:57	1
Di-n-butyl phthalate	<0.99		0.99	ug/L		09/17/26 07:58	09/17/26 15:57	1
Di-n-octyl phthalate	<0.099		0.099	ug/L		09/17/26 07:58	09/17/26 15:57	1
Endosulfan I (Alpha)	<0.099		0.099	ug/L		09/17/26 07:58	09/17/26 15:57	1
Endosulfan II (Beta)	<0.099		0.099	ug/L		09/17/26 07:58	09/17/26 15:57	1
Endosulfan sulfate	<0.099		0.099	ug/L		09/17/26 07:58	09/17/26 15:57	1
Endrin	<0.0099		0.0099	ug/L		09/17/26 07:58	09/17/26 15:57	1
Endrin aldehyde	<0.099		0.099	ug/L		09/17/26 07:58	09/17/26 15:57	1
EPTC	<0.099		0.099	ug/L		09/17/26 07:58	09/17/26 15:57	1

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QC Sample Results

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

Job ID: 380-236596-1
SDG: Weekly: Moanalua Wells

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

Lab Sample ID: MB 380-253076/21-A

Matrix: Water

Analysis Batch: 253204

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 253076

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	<0.099		0.099	ug/L		09/17/26 07:58	09/17/26 15:57	1
Fluorene	<0.050		0.050	ug/L		09/17/26 07:58	09/17/26 15:57	1
gamma-Chlordane	<0.050		0.050	ug/L		09/17/26 07:58	09/17/26 15:57	1
Heptachlor	<0.0099		0.0099	ug/L		09/17/26 07:58	09/17/26 15:57	1
Heptachlor epoxide (isomer B)	<0.0099		0.0099	ug/L		09/17/26 07:58	09/17/26 15:57	1
Hexachlorobenzene	<0.050		0.050	ug/L		09/17/26 07:58	09/17/26 15:57	1
Hexachlorocyclopentadiene	<0.050		0.050	ug/L		09/17/26 07:58	09/17/26 15:57	1
Indeno[1,2,3-cd]pyrene	<0.050		0.050	ug/L		09/17/26 07:58	09/17/26 15:57	1
Isophorone	<0.099		0.099	ug/L		09/17/26 07:58	09/17/26 15:57	1
Lindane	<0.0099		0.0099	ug/L		09/17/26 07:58	09/17/26 15:57	1
Malathion	<0.099		0.099	ug/L		09/17/26 07:58	09/17/26 15:57	1
Methoxychlor	<0.050		0.050	ug/L		09/17/26 07:58	09/17/26 15:57	1
Metolachlor	<0.050		0.050	ug/L		09/17/26 07:58	09/17/26 15:57	1
Molinate	<0.099		0.099	ug/L		09/17/26 07:58	09/17/26 15:57	1
Naphthalene	<0.099		0.099	ug/L		09/17/26 07:58	09/17/26 15:57	1
Parathion	<0.099		0.099	ug/L		09/17/26 07:58	09/17/26 15:57	1
Pendimethalin (Penoxaline)	<0.099		0.099	ug/L		09/17/26 07:58	09/17/26 15:57	1
Phenanthrene	<0.040		0.040	ug/L		09/17/26 07:58	09/17/26 15:57	1
Propachlor	<0.050		0.050	ug/L		09/17/26 07:58	09/17/26 15:57	1
Pyrene	<0.050		0.050	ug/L		09/17/26 07:58	09/17/26 15:57	1
Simazine	<0.050		0.050	ug/L		09/17/26 07:58	09/17/26 15:57	1
Terbacil	<0.099		0.099	ug/L		09/17/26 07:58	09/17/26 15:57	1
Terbutylazine	<0.099		0.099	ug/L		09/17/26 07:58	09/17/26 15:57	1
Thiobencarb	<0.099		0.099	ug/L		09/17/26 07:58	09/17/26 15:57	1
Total Permethrin (mixed isomers)	<0.20		0.20	ug/L		09/17/26 07:58	09/17/26 15:57	1
trans-Nonachlor	<0.050		0.050	ug/L		09/17/26 07:58	09/17/26 15:57	1
Trifluralin	<0.099		0.099	ug/L		09/17/26 07:58	09/17/26 15:57	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Plumbane, diethyldimethyl-	0.655	T J N	ug/L		3.13	1762-27-2	09/17/26 07:58	09/17/26 15:57	1
9-Octadecenamide, (Z)-	3.47	T J N	ug/L		7.62	301-02-0	09/17/26 07:58	09/17/26 15:57	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	96		70 - 130	09/17/26 07:58	09/17/26 15:57	1
Perylene-d12	92		70 - 130	09/17/26 07:58	09/17/26 15:57	1
Triphenylphosphate	106		70 - 130	09/17/26 07:58	09/17/26 15:57	1

Lab Sample ID: LCS 380-253076/23-A

Matrix: Water

Analysis Batch: 253204

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 253076

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	1.98	2.12		ug/L		107	70 - 130
2,4'-DDD	1.98	2.14		ug/L		108	70 - 130
2,4'-DDE	1.98	2.11		ug/L		106	70 - 130
2,4'-DDT	1.98	1.98		ug/L		100	70 - 130
2,4-Dinitrotoluene	1.98	2.22		ug/L		112	70 - 130
2,6-Dinitrotoluene	1.98	2.21		ug/L		111	70 - 130

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QC Sample Results

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

Job ID: 380-236596-1
SDG: Weekly: Moanalua Wells

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

Lab Sample ID: LCS 380-253076/23-A

Matrix: Water

Analysis Batch: 253204

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 253076

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Methylnaphthalene	1.98	2.13		ug/L		107	70 - 130
4,4'-DDD	1.98	2.32		ug/L		117	70 - 130
4,4'-DDE	1.98	2.03		ug/L		102	70 - 130
4,4'-DDT	1.98	2.16		ug/L		109	70 - 130
Acenaphthene	1.98	2.10		ug/L		106	70 - 130
Acenaphthylene	1.98	2.05		ug/L		104	70 - 130
Acetochlor	1.98	2.16		ug/L		109	70 - 130
Alachlor	1.98	2.18		ug/L		110	70 - 130
alpha-BHC	1.98	2.14		ug/L		108	70 - 130
alpha-Chlordane	1.98	2.02		ug/L		102	70 - 130
Anthracene	1.98	2.12		ug/L		107	70 - 130
Atrazine	1.98	2.35		ug/L		118	70 - 130
Benz(a)anthracene	1.98	2.09		ug/L		105	70 - 130
Benzo[a]pyrene	1.98	2.05		ug/L		103	70 - 130
Benzo[b]fluoranthene	1.98	2.07		ug/L		105	70 - 130
Benzo[g,h,i]perylene	1.98	2.07		ug/L		104	70 - 130
Benzo[k]fluoranthene	1.98	2.12		ug/L		107	70 - 130
beta-BHC	1.98	2.25		ug/L		113	70 - 130
Bis(2-ethylhexyl) phthalate	1.98	1.93		ug/L		97	70 - 130
Bromacil	1.98	1.88		ug/L		95	70 - 130
Butachlor	1.98	2.23		ug/L		112	70 - 130
Butylbenzylphthalate	1.98	2.30		ug/L		116	70 - 130
Chlorobenzilate	1.98	1.76		ug/L		89	70 - 130
Chloroneb	1.98	2.16		ug/L		109	70 - 130
Chlorothalonil (Draconil, Bravo)	1.98	2.14		ug/L		108	70 - 130
Chlorpyrifos	1.98	2.16		ug/L		109	70 - 130
Chrysene	1.98	2.20		ug/L		111	70 - 130
delta-BHC	1.98	2.14		ug/L		108	70 - 130
Di(2-ethylhexyl)adipate	1.98	2.12		ug/L		107	70 - 130
Dibenz(a,h)anthracene	1.98	2.10		ug/L		106	70 - 130
Diclorvos (DDVP)	1.98	1.96		ug/L		99	70 - 130
Dieldrin	1.98	2.13		ug/L		107	70 - 130
Diethylphthalate	1.98	2.20		ug/L		111	70 - 130
Dimethylphthalate	1.98	2.13		ug/L		107	70 - 130
Di-n-butyl phthalate	3.97	4.37		ug/L		110	70 - 130
Di-n-octyl phthalate	1.98	1.75		ug/L		88	70 - 130
Endosulfan I (Alpha)	1.98	2.16		ug/L		109	70 - 130
Endosulfan II (Beta)	1.98	2.15		ug/L		109	70 - 130
Endosulfan sulfate	1.98	2.04		ug/L		103	70 - 130
Endrin	1.98	2.22		ug/L		112	70 - 130
Endrin aldehyde	1.98	1.88		ug/L		95	60 - 130
EPTC	1.98	2.08		ug/L		105	70 - 130
Fluoranthene	1.98	2.17		ug/L		110	70 - 130
Fluorene	1.98	2.18		ug/L		110	70 - 130
gamma-Chlordane	1.98	2.20		ug/L		111	70 - 130
Heptachlor	1.98	2.11		ug/L		106	70 - 130
Heptachlor epoxide (isomer B)	1.98	2.08		ug/L		105	70 - 130
Hexachlorobenzene	1.98	2.01		ug/L		101	70 - 130
Hexachlorocyclopentadiene	1.98	2.02		ug/L		102	70 - 130

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QC Sample Results

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

Job ID: 380-236596-1
SDG: Weekly: Moanalua Wells

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

Lab Sample ID: LCS 380-253076/23-A

Matrix: Water

Analysis Batch: 253204

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 253076

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Indeno[1,2,3-cd]pyrene	1.98	2.06		ug/L		104	70 - 130
Isophorone	1.98	2.06		ug/L		104	70 - 130
Lindane	1.98	2.17		ug/L		110	70 - 130
Malathion	1.98	2.14		ug/L		108	70 - 130
Methoxychlor	1.98	2.28		ug/L		115	70 - 130
Metolachlor	1.98	2.28		ug/L		115	70 - 130
Molinate	1.98	2.16		ug/L		109	70 - 130
Naphthalene	1.98	2.12		ug/L		107	70 - 130
Parathion	1.98	2.21		ug/L		111	70 - 130
Pendimethalin (Penoxaline)	1.98	2.13		ug/L		108	70 - 130
Phenanthrene	1.98	2.12		ug/L		107	70 - 130
Propachlor	1.98	2.18		ug/L		110	70 - 130
Pyrene	1.98	2.19		ug/L		110	70 - 130
Simazine	1.98	2.20		ug/L		111	70 - 130
Terbacil	1.98	2.07		ug/L		104	70 - 130
Terbutylazine	1.98	2.18		ug/L		110	70 - 130
Thiobencarb	1.98	2.15		ug/L		108	70 - 130
trans-Nonachlor	1.98	2.09		ug/L		105	70 - 130
Trifluralin	1.98	2.08		ug/L		105	70 - 130

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

Lab Sample ID: MRL 380-253076/22-A

Matrix: Water

Analysis Batch: 253204

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 253076

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	0.0996	0.108		ug/L		108	50 - 150
2,4'-DDD	0.0996	0.103		ug/L		103	50 - 150
2,4'-DDE	0.0996	0.116		ug/L		117	50 - 150
2,4'-DDT	0.0996	0.124		ug/L		125	50 - 150
2,4-Dinitrotoluene	0.0996	0.129		ug/L		130	50 - 150
2,6-Dinitrotoluene	0.0996	0.125		ug/L		125	50 - 150
2-Methylnaphthalene	0.0996	0.110		ug/L		110	50 - 150
4,4'-DDD	0.0996	0.119		ug/L		120	50 - 150
4,4'-DDE	0.0996	0.113		ug/L		114	50 - 150
4,4'-DDT	0.0996	0.130		ug/L		131	50 - 150
Acenaphthene	0.0996	0.109		ug/L		110	50 - 150
Acenaphthylene	0.0996	0.101		ug/L		101	50 - 150
Acetochlor	0.0996	0.109		ug/L		110	50 - 150
Alachlor	0.0498	0.0608		ug/L		122	50 - 150
alpha-BHC	0.0996	0.127		ug/L		127	50 - 150
alpha-Chlordane	0.0249	<0.029		ug/L		113	50 - 150
Anthracene	0.0199	0.0229		ug/L		115	50 - 150
Atrazine	0.0498	0.0622		ug/L		125	50 - 150

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QC Sample Results

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

Job ID: 380-236596-1
SDG: Weekly: Moanalua Wells

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

Lab Sample ID: MRL 380-253076/22-A

Matrix: Water

Analysis Batch: 253204

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 253076

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Benz(a)anthracene	0.0498	0.0554		ug/L		111	50 - 150
Benzo[a]pyrene	0.0199	0.0251		ug/L		126	50 - 150
Benzo[b]fluoranthene	0.0199	0.0215		ug/L		108	50 - 150
Benzo[g,h,i]perylene	0.0498	0.0590		ug/L		119	50 - 150
Benzo[k]fluoranthene	0.0199	0.0251		ug/L		126	50 - 150
beta-BHC	0.0996	0.127		ug/L		128	50 - 150
Bis(2-ethylhexyl) phthalate	0.597	0.765		ug/L		128	50 - 150
Bromacil	0.0996	0.122		ug/L		123	50 - 150
Butachlor	0.0498	0.0663		ug/L		133	50 - 150
Butylbenzylphthalate	0.498	0.677		ug/L		136	50 - 150
Chlorobenzilate	0.0996	0.114		ug/L		115	50 - 150
Chloroneb	0.0996	0.118		ug/L		119	50 - 150
Chlorothalonil (Draconil, Bravo)	0.0996	0.115		ug/L		116	50 - 150
Chlorpyrifos	0.0498	0.0620		ug/L		125	50 - 150
Chrysene	0.0199	0.0219		ug/L		110	50 - 150
delta-BHC	0.0996	0.131		ug/L		131	50 - 150
Di(2-ethylhexyl)adipate	0.597	0.775		ug/L		130	50 - 150
Dibenz(a,h)anthracene	0.0498	0.0562		ug/L		113	50 - 150
Diclorvos (DDVP)	0.0498	0.0587		ug/L		118	50 - 150
Dieldrin	0.00996	0.0105		ug/L		105	50 - 150
Diethylphthalate	0.498	0.637		ug/L		128	50 - 150
Dimethylphthalate	0.498	0.595		ug/L		120	50 - 150
Di-n-butyl phthalate	0.498	0.650	J	ug/L		131	49 - 243
Di-n-octyl phthalate	0.0996	0.104		ug/L		105	50 - 150
Endosulfan I (Alpha)	0.0996	0.112		ug/L		112	50 - 150
Endosulfan II (Beta)	0.0996	0.118		ug/L		119	50 - 150
Endosulfan sulfate	0.0996	0.110		ug/L		111	50 - 150
Endrin	0.00996	0.0135		ug/L		136	50 - 150
Endrin aldehyde	0.0996	0.114		ug/L		115	50 - 150
EPTC	0.0996	0.108		ug/L		109	50 - 150
Fluoranthene	0.0996	0.119		ug/L		120	50 - 150
Fluorene	0.0498	0.0596		ug/L		120	50 - 150
gamma-Chlordane	0.0249	0.0288	J	ug/L		116	50 - 150
Heptachlor	0.00996	0.0131		ug/L		132	50 - 150
Heptachlor epoxide (isomer B)	0.00996	0.0127		ug/L		128	50 - 150
Hexachlorobenzene	0.0498	0.0548		ug/L		110	50 - 150
Hexachlorocyclopentadiene	0.0498	0.0590		ug/L		119	50 - 150
Indeno[1,2,3-cd]pyrene	0.0498	0.0568		ug/L		114	50 - 150
Isophorone	0.0996	0.102		ug/L		103	50 - 150
Lindane	0.00996	0.0103		ug/L		103	50 - 150
Malathion	0.0996	0.117		ug/L		117	50 - 150
Methoxychlor	0.0498	0.0670		ug/L		135	50 - 150
Metolachlor	0.0498	0.0602		ug/L		121	50 - 150
Molinate	0.0996	0.122		ug/L		122	50 - 150
Naphthalene	0.0996	0.113		ug/L		113	50 - 150
Parathion	0.0996	0.126		ug/L		127	50 - 150
Pendimethalin (Penoxaline)	0.0996	0.116		ug/L		116	50 - 150
Phenanthrene	0.0398	0.0458		ug/L		115	50 - 150
Propachlor	0.0498	0.0581		ug/L		117	50 - 150

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QC Sample Results

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

Job ID: 380-236596-1
SDG: Weekly: Moanalua Wells

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

Lab Sample ID: MRL 380-253076/22-A

Matrix: Water

Analysis Batch: 253204

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 253076

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Pyrene	0.0498	0.0602		ug/L		121	50 - 150
Simazine	0.0498	0.0593		ug/L		119	50 - 150
Terbacil	0.0996	0.124		ug/L		124	50 - 150
Terbutylazine	0.0996	0.123		ug/L		123	50 - 150
Thiobencarb	0.0996	0.116		ug/L		116	50 - 150
trans-Nonachlor	0.0249	0.0293	J	ug/L		118	50 - 150
Trifluralin	0.0996	0.116		ug/L		117	50 - 150

Surrogate	MRL %Recovery	MRL Qualifier	Limits
2-Nitro-m-xylene	96		70 - 130
Perylene-d12	92		70 - 130
Triphenylphosphate	104		70 - 130

Lab Sample ID: 380-236436-X-1-A MS

Matrix: Water

Analysis Batch: 253204

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 253076

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.097		1.92	2.11		ug/L		110	70 - 130
2,4'-DDD	<0.097		1.92	2.07		ug/L		108	70 - 130
2,4'-DDE	<0.097		1.92	2.06		ug/L		107	70 - 130
2,4'-DDT	<0.097		1.92	1.94		ug/L		101	70 - 130
2,4-Dinitrotoluene	<0.097		1.92	2.25		ug/L		117	70 - 130
2,6-Dinitrotoluene	<0.097		1.92	2.18		ug/L		113	70 - 130
2-Methylnaphthalene	<0.097		1.92	2.07		ug/L		107	70 - 130
4,4'-DDD	<0.097		1.92	2.19		ug/L		114	70 - 130
4,4'-DDE	<0.097		1.92	1.96		ug/L		102	70 - 130
4,4'-DDT	<0.097		1.92	2.05		ug/L		106	70 - 130
Acenaphthene	<0.097		1.92	2.04		ug/L		106	70 - 130
Acenaphthylene	<0.097		1.92	1.98		ug/L		103	70 - 130
Acetochlor	<0.097		1.92	2.06		ug/L		107	70 - 130
Alachlor	<0.048		1.92	2.11		ug/L		110	70 - 130
alpha-BHC	<0.097		1.92	2.10		ug/L		109	70 - 130
alpha-Chlordane	<0.048		1.92	1.93		ug/L		100	70 - 130
Anthracene	<0.019	F1	1.92	1.20	F1	ug/L		63	70 - 130
Atrazine	<0.048		1.92	2.34		ug/L		122	70 - 130
Benz(a)anthracene	<0.048		1.92	1.89		ug/L		98	70 - 130
Benzo[a]pyrene	<0.019		1.92	1.73		ug/L		90	70 - 130
Benzo[b]fluoranthene	<0.019		1.92	2.02		ug/L		105	70 - 130
Benzo[g,h,i]perylene	<0.048		1.92	2.01		ug/L		104	70 - 130
Benzo[k]fluoranthene	<0.019		1.92	2.05		ug/L		107	70 - 130
beta-BHC	<0.097		1.92	2.23		ug/L		116	70 - 130
Bis(2-ethylhexyl) phthalate	<0.58		1.92	1.81		ug/L		94	70 - 130
Bromacil	<0.097		1.92	1.90		ug/L		99	70 - 130
Butachlor	<0.048		1.92	2.15		ug/L		112	70 - 130
Butylbenzylphthalate	<0.48		1.92	2.23		ug/L		116	70 - 130
Chlorobenzilate	<0.097		1.92	1.93		ug/L		100	70 - 130
Chloroneb	<0.097		1.92	2.07		ug/L		107	70 - 130

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QC Sample Results

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

Job ID: 380-236596-1
SDG: Weekly: Moanalua Wells

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

Lab Sample ID: 380-236436-X-1-A MS

Matrix: Water

Analysis Batch: 253204

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 253076

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chlorothalonil (Draconil, Bravo)	<0.097		1.92	2.04		ug/L		106	70 - 130
Chlorpyrifos	<0.048		1.92	2.10		ug/L		109	70 - 130
Chrysene	<0.019		1.92	2.07		ug/L		108	70 - 130
delta-BHC	<0.097		1.92	2.07		ug/L		108	70 - 130
Di(2-ethylhexyl)adipate	<0.58		1.92	1.96		ug/L		102	70 - 130
Dibenz(a,h)anthracene	<0.048		1.92	2.00		ug/L		104	70 - 130
Diclorvos (DDVP)	<0.048		1.92	1.94		ug/L		101	70 - 130
Dieldrin	<0.0097		1.92	1.97		ug/L		102	70 - 130
Diethylphthalate	<0.48		1.92	2.19		ug/L		114	70 - 130
Dimethylphthalate	<0.48		1.92	2.08		ug/L		108	70 - 130
Di-n-butyl phthalate	<0.97		3.85	4.19		ug/L		109	70 - 130
Di-n-octyl phthalate	<0.097		1.92	1.70		ug/L		88	70 - 130
Endosulfan I (Alpha)	<0.097		1.92	2.01		ug/L		104	70 - 130
Endosulfan II (Beta)	<0.097		1.92	2.07		ug/L		108	70 - 130
Endosulfan sulfate	<0.097		1.92	1.98		ug/L		103	70 - 130
Endrin	<0.0097		1.92	2.12		ug/L		110	70 - 130
Endrin aldehyde	<0.097		1.92	1.62		ug/L		84	60 - 130
EPTC	<0.097		1.92	2.00		ug/L		104	70 - 130
Fluoranthene	<0.097		1.92	2.12		ug/L		110	70 - 130
Fluorene	<0.048		1.92	2.08		ug/L		108	70 - 130
gamma-Chlordane	<0.048		1.92	2.13		ug/L		110	70 - 130
Heptachlor	<0.0097		1.92	2.03		ug/L		105	70 - 130
Heptachlor epoxide (isomer B)	<0.0097		1.92	1.93		ug/L		100	70 - 130
Hexachlorobenzene	<0.048		1.92	2.02		ug/L		105	70 - 130
Hexachlorocyclopentadiene	<0.048		1.92	2.00		ug/L		104	70 - 130
Indeno[1,2,3-cd]pyrene	<0.048		1.92	1.96		ug/L		102	70 - 130
Isophorone	<0.097		1.92	1.92		ug/L		100	70 - 130
Lindane	<0.0097		1.92	2.13		ug/L		110	70 - 130
Malathion	<0.097		1.92	2.07		ug/L		108	70 - 130
Methoxychlor	<0.048		1.92	2.29		ug/L		119	70 - 130
Metolachlor	<0.048		1.92	2.23		ug/L		116	70 - 130
Molinate	<0.097		1.92	2.13		ug/L		110	70 - 130
Naphthalene	<0.097		1.92	2.06		ug/L		107	70 - 130
Parathion	<0.097		1.92	2.14		ug/L		111	70 - 130
Pendimethalin (Penoxaline)	<0.097		1.92	2.13		ug/L		111	70 - 130
Phenanthrene	<0.039		1.92	2.06		ug/L		107	70 - 130
Propachlor	<0.048		1.92	2.17		ug/L		113	70 - 130
Pyrene	<0.048		1.92	2.05		ug/L		107	70 - 130
Simazine	<0.048		1.92	2.26		ug/L		117	70 - 130
Terbacil	<0.097		1.92	2.02		ug/L		105	70 - 130
Terbutylazine	<0.097		1.92	2.22		ug/L		116	70 - 130
Thiobencarb	<0.097		1.92	2.10		ug/L		109	70 - 130
trans-Nonachlor	<0.048		1.92	1.94		ug/L		101	70 - 130
Trifluralin	<0.097		1.92	2.07		ug/L		107	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Nitro-m-xylene	97		70 - 130
Perylene-d12	94		70 - 130

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QC Sample Results

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

Job ID: 380-236596-1
SDG: Weekly: Moanalua Wells

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

Lab Sample ID: 380-236436-X-1-A MS

Matrix: Water

Analysis Batch: 253204

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 253076

Surrogate	MS %Recovery	MS Qualifier	Limits
Triphenylphosphate	106		70 - 130

Lab Sample ID: 380-236455-X-1-A DU

Matrix: Water

Analysis Batch: 253204

Client Sample ID: Duplicate

Prep Type: Total/NA

Prep Batch: 253076

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
1-Methylnaphthalene	<0.096		<0.096		ug/L		NC	20
2,4'-DDD	<0.096		<0.096		ug/L		NC	20
2,4'-DDE	<0.096		<0.096		ug/L		NC	20
2,4'-DDT	<0.096		<0.096		ug/L		NC	20
2,4-Dinitrotoluene	<0.096		<0.096		ug/L		NC	20
2,6-Dinitrotoluene	<0.096		<0.096		ug/L		NC	20
2-Methylnaphthalene	<0.096		<0.096		ug/L		NC	20
4,4'-DDD	<0.096		<0.096		ug/L		NC	20
4,4'-DDE	<0.096		<0.096		ug/L		NC	20
4,4'-DDT	<0.096		<0.096		ug/L		NC	20
Acenaphthene	<0.096		<0.096		ug/L		NC	20
Acenaphthylene	<0.096		<0.096		ug/L		NC	20
Acetochlor	<0.096		<0.096		ug/L		NC	20
Alachlor	<0.048		<0.048		ug/L		NC	20
alpha-BHC	<0.096		<0.096		ug/L		NC	20
alpha-Chlordane	<0.048		<0.048		ug/L		NC	20
Anthracene	<0.019		<0.019		ug/L		NC	20
Atrazine	<0.048		<0.048		ug/L		NC	20
Benz(a)anthracene	<0.048		<0.048		ug/L		NC	20
Benzo[a]pyrene	<0.019		<0.019		ug/L		NC	20
Benzo[b]fluoranthene	<0.019		<0.019		ug/L		NC	20
Benzo[g,h,i]perylene	<0.048		<0.048		ug/L		NC	20
Benzo[k]fluoranthene	<0.019		<0.019		ug/L		NC	20
beta-BHC	<0.096		<0.096		ug/L		NC	20
Bis(2-ethylhexyl) phthalate	<0.58		<0.58		ug/L		NC	20
Bromacil	<0.096		<0.096		ug/L		NC	20
Butachlor	<0.048		<0.048		ug/L		NC	20
Butylbenzylphthalate	<0.48		<0.48		ug/L		NC	20
Chlorobenzilate	<0.096		<0.096		ug/L		NC	20
Chloroneb	<0.096		<0.096		ug/L		NC	20
Chlorothalonil (Draconil, Bravo)	<0.096		<0.096		ug/L		NC	20
Chlorpyrifos	<0.048		<0.048		ug/L		NC	20
Chrysene	<0.019		<0.019		ug/L		NC	20
delta-BHC	<0.096		<0.096		ug/L		NC	20
Di(2-ethylhexyl)adipate	<0.58		<0.58		ug/L		NC	20
Dibenz(a,h)anthracene	<0.048		<0.048		ug/L		NC	20
Diclorvos (DDVP)	<0.048		<0.048		ug/L		NC	20
Dieldrin	<0.0096		<0.0096		ug/L		NC	20
Diethylphthalate	<0.48		<0.48		ug/L		NC	20
Dimethylphthalate	<0.48		<0.48		ug/L		NC	20
Di-n-butyl phthalate	<0.96		<0.96		ug/L		NC	20

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QC Sample Results

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

Job ID: 380-236596-1
SDG: Weekly: Moanalua Wells

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

Lab Sample ID: 380-236455-X-1-A DU

Matrix: Water

Analysis Batch: 253204

Client Sample ID: Duplicate

Prep Type: Total/NA

Prep Batch: 253076

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Di-n-octyl phthalate	<0.096		<0.096		ug/L		NC	20
Endosulfan I (Alpha)	<0.096		<0.096		ug/L		NC	20
Endosulfan II (Beta)	<0.096		<0.096		ug/L		NC	20
Endosulfan sulfate	<0.096		<0.096		ug/L		NC	20
Endrin	<0.0096		<0.0096		ug/L		NC	20
Endrin aldehyde	<0.096		<0.096		ug/L		NC	20
EPTC	<0.096		<0.096		ug/L		NC	20
Fluoranthene	<0.096		<0.096		ug/L		NC	20
Fluorene	<0.048		<0.048		ug/L		NC	20
gamma-Chlordane	<0.048		<0.048		ug/L		NC	20
Heptachlor	<0.0096		<0.0096		ug/L		NC	20
Heptachlor epoxide (isomer B)	<0.0096		<0.0096		ug/L		NC	20
Hexachlorobenzene	<0.048		<0.048		ug/L		NC	20
Hexachlorocyclopentadiene	<0.048		<0.048		ug/L		NC	20
Indeno[1,2,3-cd]pyrene	<0.048		<0.048		ug/L		NC	20
Isophorone	<0.096		<0.096		ug/L		NC	20
Lindane	<0.0096		<0.0096		ug/L		NC	20
Malathion	<0.096		<0.096		ug/L		NC	20
Methoxychlor	<0.048		<0.048		ug/L		NC	20
Metolachlor	<0.048		<0.048		ug/L		NC	20
Molinate	<0.096		<0.096		ug/L		NC	20
Naphthalene	<0.096		<0.096		ug/L		NC	20
Parathion	<0.096		<0.096		ug/L		NC	20
Pendimethalin (Penoxaline)	<0.096		<0.096		ug/L		NC	20
Phenanthrene	<0.039		<0.039		ug/L		NC	20
Propachlor	<0.048		<0.048		ug/L		NC	20
Pyrene	<0.048		<0.048		ug/L		NC	20
Simazine	<0.048		<0.048		ug/L		NC	20
Terbacil	<0.096		<0.096		ug/L		NC	20
Terbutylazine	<0.096		<0.096		ug/L		NC	20
Thiobencarb	<0.096		<0.096		ug/L		NC	20
Total Permethrin (mixed isomers)	<0.19		<0.19		ug/L		NC	20
trans-Nonachlor	<0.048		<0.048		ug/L		NC	20
Trifluralin	<0.096		<0.096		ug/L		NC	20

Surrogate	DU %Recovery	DU Qualifier	Limits
2-Nitro-m-xylene	97		70 - 130
Perylene-d12	92		70 - 130
Triphenylphosphate	104		70 - 130

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

Lab Sample ID: MB 570-802543/1-A

Matrix: Water

Analysis Batch: 806430

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 802543

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	09/19/26 08:06	09/27/26 16:06	1

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QC Sample Results

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

Job ID: 380-236596-1
SDG: Weekly: Moanalua Wells

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

Lab Sample ID: MB 570-802543/1-A

Matrix: Water

Analysis Batch: 806430

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 802543

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	82		33 - 139	09/19/26 08:06	09/27/26 16:06	1
2-Fluorobiphenyl (Surr)	91		33 - 126	09/19/26 08:06	09/27/26 16:06	1
2-Fluorophenol (Surr)	54		12 - 120	09/19/26 08:06	09/27/26 16:06	1
Nitrobenzene-d5 (Surr)	86		36 - 120	09/19/26 08:06	09/27/26 16:06	1
Phenol-d6 (Surr)	19		10 - 120	09/19/26 08:06	09/27/26 16:06	1
p-Terphenyl-d14 (Surr)	104		47 - 131	09/19/26 08:06	09/27/26 16:06	1

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

Lab Sample ID: MB 570-802543/1-A

Matrix: Water

Analysis Batch: 805637

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 802543

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.20		0.20	ug/L		09/19/26 08:06	09/25/26 08:02	1
2-Methylnaphthalene	<0.20		0.20	ug/L		09/19/26 08:06	09/25/26 08:02	1
Acenaphthene	<0.20		0.20	ug/L		09/19/26 08:06	09/25/26 08:02	1
Acenaphthylene	<0.20		0.20	ug/L		09/19/26 08:06	09/25/26 08:02	1
Anthracene	<0.20		0.20	ug/L		09/19/26 08:06	09/25/26 08:02	1
Benzo[a]anthracene	<0.20		0.20	ug/L		09/19/26 08:06	09/25/26 08:02	1
Benzo[a]pyrene	<0.20		0.20	ug/L		09/19/26 08:06	09/25/26 08:02	1
Benzo[b]fluoranthene	<0.20		0.20	ug/L		09/19/26 08:06	09/25/26 08:02	1
Benzo[g,h,i]perylene	<0.20		0.20	ug/L		09/19/26 08:06	09/25/26 08:02	1
Benzo[k]fluoranthene	<0.20		0.20	ug/L		09/19/26 08:06	09/25/26 08:02	1
Chrysene	<0.20		0.20	ug/L		09/19/26 08:06	09/25/26 08:02	1
Dibenz(a,h)anthracene	<0.20		0.20	ug/L		09/19/26 08:06	09/25/26 08:02	1
Fluoranthene	<0.20		0.20	ug/L		09/19/26 08:06	09/25/26 08:02	1
Fluorene	<0.20		0.20	ug/L		09/19/26 08:06	09/25/26 08:02	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20	ug/L		09/19/26 08:06	09/25/26 08:02	1
Naphthalene	<0.20		0.20	ug/L		09/19/26 08:06	09/25/26 08:02	1
Phenanthrene	<0.20		0.20	ug/L		09/19/26 08:06	09/25/26 08:02	1
Pyrene	<0.20		0.20	ug/L		09/19/26 08:06	09/25/26 08:02	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	95		28 - 127	09/19/26 08:06	09/25/26 08:02	1
2-Fluorobiphenyl (Surr)	79		31 - 120	09/19/26 08:06	09/25/26 08:02	1
2-Fluorophenol (Surr)	49		17 - 120	09/19/26 08:06	09/25/26 08:02	1
Nitrobenzene-d5 (Surr)	83		27 - 120	09/19/26 08:06	09/25/26 08:02	1
Phenol-d6 (Surr)	30		10 - 120	09/19/26 08:06	09/25/26 08:02	1
p-Terphenyl-d14 (Surr)	79		45 - 120	09/19/26 08:06	09/25/26 08:02	1

Lab Sample ID: LCS 570-802543/2-A

Matrix: Water

Analysis Batch: 805637

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 802543

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	20.0	13.9		ug/L		70	47 - 120
2-Methylnaphthalene	20.0	14.0		ug/L		70	43 - 120

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QC Sample Results

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

Job ID: 380-236596-1
SDG: Weekly: Moanalua Wells

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

Lab Sample ID: LCS 570-802543/2-A

Matrix: Water

Analysis Batch: 805637

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 802543

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	20.0	14.9		ug/L		75	60 - 132
Acenaphthylene	20.0	15.0		ug/L		75	54 - 126
Anthracene	20.0	15.5		ug/L		77	43 - 120
Benzo[a]anthracene	20.0	16.4		ug/L		82	42 - 133
Benzo[a]pyrene	20.0	16.8		ug/L		84	32 - 148
Benzo[b]fluoranthene	20.0	16.6		ug/L		83	42 - 140
Benzo[g,h,i]perylene	20.0	15.9		ug/L		79	1 - 195
Benzo[k]fluoranthene	20.0	16.3		ug/L		82	25 - 146
Chrysene	20.0	15.9		ug/L		79	44 - 140
Dibenz(a,h)anthracene	20.0	16.2		ug/L		81	1 - 200
Fluoranthene	20.0	16.2		ug/L		81	43 - 121
Fluorene	20.0	15.4		ug/L		77	70 - 120
Indeno[1,2,3-cd]pyrene	20.0	15.9		ug/L		80	1 - 151
Naphthalene	20.0	13.4		ug/L		67	36 - 120
Phenanthrene	20.0	16.1		ug/L		80	65 - 120
Pyrene	20.0	17.7		ug/L		89	70 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	78		28 - 127
2-Fluorobiphenyl (Surr)	76		31 - 120
2-Fluorophenol (Surr)	51		17 - 120
Nitrobenzene-d5 (Surr)	72		27 - 120
Phenol-d6 (Surr)	35		10 - 120
p-Terphenyl-d14 (Surr)	83		45 - 120

Lab Sample ID: LCSD 570-802543/3-A

Matrix: Water

Analysis Batch: 805637

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 802543

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	20.0	15.7		ug/L		78	47 - 120	12	20
2-Methylnaphthalene	20.0	15.9		ug/L		80	43 - 120	13	20
Acenaphthene	20.0	16.9		ug/L		85	60 - 132	12	29
Acenaphthylene	20.0	17.0		ug/L		85	54 - 126	12	45
Anthracene	20.0	17.5		ug/L		87	43 - 120	12	40
Benzo[a]anthracene	20.0	18.6		ug/L		93	42 - 133	13	32
Benzo[a]pyrene	20.0	19.1		ug/L		96	32 - 148	13	43
Benzo[b]fluoranthene	20.0	18.7		ug/L		93	42 - 140	12	43
Benzo[g,h,i]perylene	20.0	17.8		ug/L		89	1 - 195	11	61
Benzo[k]fluoranthene	20.0	18.1		ug/L		90	25 - 146	10	38
Chrysene	20.0	18.0		ug/L		90	44 - 140	12	53
Dibenz(a,h)anthracene	20.0	17.8		ug/L		89	1 - 200	10	75
Fluoranthene	20.0	18.0		ug/L		90	43 - 121	11	40
Fluorene	20.0	17.3		ug/L		86	70 - 120	11	23
Indeno[1,2,3-cd]pyrene	20.0	17.8		ug/L		89	1 - 151	11	60
Naphthalene	20.0	15.4		ug/L		77	36 - 120	14	39
Phenanthrene	20.0	18.1		ug/L		90	65 - 120	12	24
Pyrene	20.0	20.0		ug/L		100	70 - 120	12	30

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QC Sample Results

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

Job ID: 380-236596-1
SDG: Weekly: Moanalua Wells

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

Lab Sample ID: LCSD 570-802543/3-A

Matrix: Water

Analysis Batch: 805637

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 802543

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
2,4,6-Tribromophenol (Surr)	89		28 - 127
2-Fluorobiphenyl (Surr)	87		31 - 120
2-Fluorophenol (Surr)	66		17 - 120
Nitrobenzene-d5 (Surr)	85		27 - 120
Phenol d6 (Surr)	44		10 - 120
p-Terphenyl-d14 (Surr)	95		45 - 120

Lab Sample ID: 380-236599-A-1-D MS

Matrix: Water

Analysis Batch: 806409

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 802543

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.19		19.1	12.3		ug/L		65	36 - 120
2-Methylnaphthalene	<0.19		19.1	12.5		ug/L		65	32 - 124
Acenaphthene	<0.19		19.1	15.7		ug/L		82	47 - 145
Acenaphthylene	<0.19		19.1	16.0		ug/L		84	33 - 145
Anthracene	<0.19		19.1	16.4		ug/L		86	27 - 133
Benzo[a]anthracene	<0.19		19.1	17.8		ug/L		93	33 - 143
Benzo[a]pyrene	<0.19		19.1	16.8		ug/L		88	17 - 163
Benzo[b]fluoranthene	<0.19		19.1	16.5		ug/L		86	24 - 159
Benzo[g,h,i]perylene	<0.19		19.1	16.0		ug/L		84	1 - 219
Benzo[k]fluoranthene	<0.19		19.1	17.4		ug/L		91	11 - 162
Chrysene	<0.19		19.1	16.9		ug/L		88	17 - 168
Dibenz(a,h)anthracene	<0.19		19.1	16.0		ug/L		84	1 - 227
Fluoranthene	<0.19		19.1	17.4		ug/L		91	26 - 137
Fluorene	<0.19		19.1	16.5		ug/L		86	59 - 121
Indeno[1,2,3-cd]pyrene	<0.19		19.1	15.7		ug/L		82	1 - 171
Naphthalene	<0.19		19.1	11.3		ug/L		59	21 - 133
Phenanthrene	<0.19		19.1	15.6		ug/L		82	54 - 120
Pyrene	<0.19		19.1	17.6		ug/L		92	52 - 120

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
2,4,6-Tribromophenol (Surr)	85		28 - 127
2-Fluorobiphenyl (Surr)	81		31 - 120
2-Fluorophenol (Surr)	53		17 - 120
Nitrobenzene-d5 (Surr)	66		27 - 120
Phenol-d6 (Surr)	38		10 - 120
p-Terphenyl-d14 (Surr)	89		45 - 120

Lab Sample ID: 380-236599-A-1-E MSD

Matrix: Water

Analysis Batch: 806409

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 802543

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	<0.19		19.3	11.6		ug/L		60	36 - 120	7	30
2-Methylnaphthalene	<0.19		19.3	11.8		ug/L		61	32 - 124	6	30
Acenaphthene	<0.19		19.3	14.0		ug/L		72	47 - 145	11	48
Acenaphthylene	<0.19		19.3	14.5		ug/L		75	33 - 145	10	74

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QC Sample Results

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

Job ID: 380-236596-1
SDG: Weekly: Moanalua Wells

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

Lab Sample ID: 380-236599-A-1-E MSD

Matrix: Water

Analysis Batch: 806409

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 802543

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Anthracene	<0.19		19.3	14.8		ug/L		76	27 - 133	10	66
Benzo[a]anthracene	<0.19		19.3	15.8		ug/L		82	33 - 143	12	53
Benzo[a]pyrene	<0.19		19.3	14.8		ug/L		77	17 - 163	12	72
Benzo[b]fluoranthene	<0.19		19.3	14.1		ug/L		73	24 - 159	16	71
Benzo[g,h,i]perylene	<0.19		19.3	14.2		ug/L		73	1 - 219	12	97
Benzo[k]fluoranthene	<0.19		19.3	15.8		ug/L		82	11 - 162	10	63
Chrysene	<0.19		19.3	14.8		ug/L		76	17 - 168	13	87
Dibenz(a,h)anthracene	<0.19		19.3	14.2		ug/L		73	1 - 227	12	126
Fluoranthene	<0.19		19.3	15.6		ug/L		81	26 - 137	10	66
Fluorene	<0.19		19.3	14.9		ug/L		77	59 - 121	10	38
Indeno[1,2,3-cd]pyrene	<0.19		19.3	13.9		ug/L		72	1 - 171	12	99
Naphthalene	<0.19		19.3	10.5		ug/L		54	21 - 133	7	65
Phenanthrene	<0.19		19.3	14.0		ug/L		72	54 - 120	11	39
Pyrene	<0.19		19.3	15.7		ug/L		81	52 - 120	11	49

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	76		28 - 127
2-Fluorobiphenyl (Surr)	73		31 - 120
2-Fluorophenol (Surr)	46		17 - 120
Nitrobenzene-d5 (Surr)	61		27 - 120
Phenol-d6 (Surr)	32		10 - 120
p-Terphenyl-d14 (Surr)	78		45 - 120

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

Lab Sample ID: MB 570-802037/6

Matrix: Water

Analysis Batch: 802037

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			09/18/26 10:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		38 - 134		09/18/26 10:37	1

Lab Sample ID: LCS 570-802037/3

Matrix: Water

Analysis Batch: 802037

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	364		ug/L		91	78 - 120

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

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QC Sample Results

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

Job ID: 380-236596-1
SDG: Weekly: Moanalua Wells

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

Lab Sample ID: LCSD 570-802037/4

Matrix: Water

Analysis Batch: 802037

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	383		ug/L		96	78 - 120	5	10
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	102		38 - 134								

Lab Sample ID: MRL 570-802037/5

Matrix: Water

Analysis Batch: 802037

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	14.9		ug/L		149	50 - 150		
Surrogate	MRL %Recovery	MRL Qualifier	Limits								
4-Bromofluorobenzene (Surr)	101		38 - 134								

Lab Sample ID: 380-236015-E-1 MSD

Matrix: Water

Analysis Batch: 802037

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	356		ug/L		89	68 - 122	3	18
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	100		38 - 134								

Lab Sample ID: 380-236015-G-1 MS

Matrix: Water

Analysis Batch: 802037

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	347		ug/L		87	68 - 122		
Surrogate	MS %Recovery	MS Qualifier	Limits								
4-Bromofluorobenzene (Surr)	101		38 - 134								

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

Lab Sample ID: MB 570-801871/1-A

Matrix: Water

Analysis Batch: 802726

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 801871

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<25		25	ug/L		09/17/26 21:12	09/20/26 00:20	1
Motor Oil Range Organics [C24-C36]	<25		25	ug/L		09/17/26 21:12	09/20/26 00:20	1
C8-C18	<25		25	ug/L		09/17/26 21:12	09/20/26 00:20	1

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QC Sample Results

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

Job ID: 380-236596-1
SDG: Weekly: Moanalua Wells

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	106		60 - 130	09/17/26 21:12	09/20/26 00:20	1

Lab Sample ID: LCS 570-801871/2-A
Matrix: Water
Analysis Batch: 802726

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 801871

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
C10-C28	1600	1340		ug/L		84	56 - 127
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
n-Octacosane (Surr)	108		60 - 130				

Lab Sample ID: LCSD 570-801871/3-A
Matrix: Water
Analysis Batch: 802726

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 801871

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28	1600	1260		ug/L		79	56 - 127	6	23
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
n-Octacosane (Surr)	100		60 - 130						

Lab Sample ID: MRL 570-801871/4-A
Matrix: Water
Analysis Batch: 802726

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 801871

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
C10-C28	0.0200	0.0242	J	mg/L		121	50 - 150
Surrogate	MRL %Recovery	MRL Qualifier	Limits				
n-Octacosane (Surr)	124		60 - 130				

Lab Sample ID: 380-236599-B-1-A MS
Matrix: Water
Analysis Batch: 802726

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 801871

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
C10-C28	<26		1670	1520		ug/L		91	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
n-Octacosane (Surr)	116		60 - 130						

Lab Sample ID: 380-236599-B-1-B MSD
Matrix: Water
Analysis Batch: 802726

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 801871

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28	<26		1650	1360		ug/L		82	70 - 130	11	20

Eurofins Pomona

QC Sample Results

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

Job ID: 380-236596-1
SDG: Weekly: Moanalua Wells

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

Lab Sample ID: 380-236599-B-1-B MSD
Matrix: Water
Analysis Batch: 802726

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 801871

<i>Surrogate</i>	<i>MSD</i> <i>%Recovery</i>	<i>MSD</i> <i>Qualifier</i>	<i>Limits</i>
<i>n-Octacosane (Surr)</i>	104		60 - 130

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QC Association Summary

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

Job ID: 380-236596-1
SDG: Weekly: Moanalua Wells

GC/MS Semi VOA

Prep Batch: 253076

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-236596-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	525.2	
MB 380-253076/21-A	Method Blank	Total/NA	Water	525.2	
LCS 380-253076/23-A	Lab Control Sample	Total/NA	Water	525.2	
MRL 380-253076/22-A	Lab Control Sample	Total/NA	Water	525.2	
380-236436-X-1-A MS	Matrix Spike	Total/NA	Water	525.2	
380-236455-X-1-A DU	Duplicate	Total/NA	Water	525.2	

Analysis Batch: 253204

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-236596-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	525.2	253076
MB 380-253076/21-A	Method Blank	Total/NA	Water	525.2	253076
LCS 380-253076/23-A	Lab Control Sample	Total/NA	Water	525.2	253076
MRL 380-253076/22-A	Lab Control Sample	Total/NA	Water	525.2	253076
380-236436-X-1-A MS	Matrix Spike	Total/NA	Water	525.2	253076
380-236455-X-1-A DU	Duplicate	Total/NA	Water	525.2	253076

Prep Batch: 802543

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-236596-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	625.1	
MB 570-802543/1-A	Method Blank	Total/NA	Water	625.1	
LCS 570-802543/2-A	Lab Control Sample	Total/NA	Water	625.1	
LCSD 570-802543/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	
380-236599-A-1-D MS	Matrix Spike	Total/NA	Water	625.1	
380-236599-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Water	625.1	

Analysis Batch: 805637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-802543/1-A	Method Blank	Total/NA	Water	625.1 SIM	802543
LCS 570-802543/2-A	Lab Control Sample	Total/NA	Water	625.1 SIM	802543
LCSD 570-802543/3-A	Lab Control Sample Dup	Total/NA	Water	625.1 SIM	802543

Analysis Batch: 806409

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-236596-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	625.1 SIM	802543
380-236599-A-1-D MS	Matrix Spike	Total/NA	Water	625.1 SIM	802543
380-236599-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Water	625.1 SIM	802543

Analysis Batch: 806430

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-236596-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	625.1	802543
MB 570-802543/1-A	Method Blank	Total/NA	Water	625.1	802543

GC VOA

Analysis Batch: 802037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-236596-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	8015B GRO LL	
380-236596-2	TB: MOANALUA WELLS (331-223-TP202)	Total/NA	Water	8015B GRO LL	
MB 570-802037/6	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-802037/3	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-802037/4	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	

Eurofins Pomona

QC Association Summary

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

Job ID: 380-236596-1
SDG: Weekly: Moanalua Wells

GC VOA (Continued)

Analysis Batch: 802037 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MRL 570-802037/5	Lab Control Sample	Total/NA	Water	8015B GRO LL	
380-236015-E-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B GRO LL	
380-236015-G-1 MS	Matrix Spike	Total/NA	Water	8015B GRO LL	

GC Semi VOA

Prep Batch: 801871

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-236596-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	3510C	
MB 570-801871/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-801871/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-801871/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MRL 570-801871/4-A	Lab Control Sample	Total/NA	Water	3510C	
380-236599-B-1-A MS	Matrix Spike	Total/NA	Water	3510C	
380-236599-B-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	

Analysis Batch: 802726

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-236596-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	8015B	801871
MB 570-801871/1-A	Method Blank	Total/NA	Water	8015B	801871
LCS 570-801871/2-A	Lab Control Sample	Total/NA	Water	8015B	801871
LCSD 570-801871/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	801871
MRL 570-801871/4-A	Lab Control Sample	Total/NA	Water	8015B	801871
380-236599-B-1-A MS	Matrix Spike	Total/NA	Water	8015B	801871
380-236599-B-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	8015B	801871

Lab Chronicle

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

Job ID: 380-236596-1
SDG: Weekly: Moanalua Wells

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

Lab Sample ID: 380-236596-1

Date Collected: 09/14/26 09:52

Matrix: Drinking Water

Date Received: 09/16/26 09:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			253076	OTM3	EA POM	09/17/26 07:58
Total/NA	Analysis	525.2		1	253204	UPAC	EA POM	09/17/26 20:25
Total/NA	Prep	625.1			802543	KLZQ	EET CAL 4	09/19/26 08:06
Total/NA	Analysis	625.1		1	806430	S4EA	EET CAL 4	09/27/26 16:31
Total/NA	Prep	625.1			802543	KLZQ	EET CAL 4	09/19/26 08:06
Total/NA	Analysis	625.1 SIM		1	806409	S4EA	EET CAL 4	09/27/26 14:25
Total/NA	Analysis	8015B GRO LL		1	802037	7CF2	EET CAL 4	09/18/26 21:00
Total/NA	Prep	3510C			801871	ATRL	EET CAL 4	09/17/26 21:12
Total/NA	Analysis	8015B		1	802726	H6FE	EET CAL 4	09/20/26 02:29

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

Lab Sample ID: 380-236596-2

Date Collected: 09/14/26 09:52

Matrix: Water

Date Received: 09/16/26 09:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015B GRO LL		1	802037	7CF2	EET CAL 4	09/18/26 16:14

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: 380-236596-1
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	01-31-27
The following analytes are included in this report, but the laboratory is not certified by Hawaii State CA00006. This list may include analytes for which the agency does not offer certification:			
Analysis Method	Prep Method	Matrix	Analyte
525.2	525.2	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	Terbutylazine
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	11-16-26
California	Los Angeles County Sanitation Districts	9257304	07-31-28
California	SCAQMD LAP	17LA0919	11-30-26

Eurofins Pomona

Accreditation/Certification Summary

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

Job ID: 380-236596-1
SDG: Weekly: Moanalua Wells

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	09-29-26
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: 380-236596-1
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: 380-236596-1
SDG: Weekly: Moanalua Wells

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	PWSID Number
380-236596-1	MOANALUA WELLS (331-223-TP202)	Drinking Water	09/14/26 09:52	09/16/26 09:47	HI0000331
380-236596-2	TB: MOANALUA WELLS (331-223-TP202)	Water	09/14/26 09:52	09/16/26 09:47	

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380-236596 COC

[illegible]

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

SHIP DATE 15SEP26
ACTWGT 57.00 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.

PO: INVT DEPT



WED - 16 SEP 10:30A

PRIORITY OVERNIGHT

MPS# 8772 5749 0007

0263 Mst# 8772 5748 9974

91768

WM ONTA

CA-US ONT



(EXA) 14+0.2=1.6 961- frozen
Waste Water 9/16/26 947

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

Chain of Custody Record

[illegible]

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-236596-1

SDG Number: Weekly: Moanalua Wells

Login Number: 236596

List Number: 1

Creator: Tran, Kristine

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").	N/A	
CIO4 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: 380-236596-1
SDG Number: Weekly: Moanalua Wells

Login Number: 236596

List Number: 2

Creator: Khana, Piyush

List Source: Eurofins Calscience

List Creation: 09/16/26 07:27 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ 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	1.7
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 $<6\text{mm}$ (1/4").	True	fgf5
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	