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ANALYTICAL REPORT

PREPARED FOR

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

Generated 5/19/2026 4:58:30 PM

JOB DESCRIPTION

RED-HILL
Weekly: Halawa Wells P1 (MS/MSD)

JOB NUMBER

380-212211-1

Eurofins Pomona
941 Corporate Center Drive
Pomona CA 91768-2642

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Drinking Water and Wastewater West, LLC Project Manager.

Compliance Statement

1. Laboratory is accredited in accordance with TNI 2016 Standards and ISO/IEC 17025:2017.
2. Laboratory certifies that the test results meet all TNI 2016 and ISO/IEC 17025:2017 requirements unless noted under the individual analysis
3. Test results relate only to the sample(s) tested.
4. This report shall not be reproduced except in full, without the written approval of the laboratory.
5. Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below. (DW,Water matrices)

Authorization

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Authorized for release by
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Table of Contents

Definitions/Glossary

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

Job ID: 380-212211-1
SDG: Weekly: Halawa Wells P1 (MS/MSD)

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

Glossary

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

Job Narrative
380-212211-1

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

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

Receipt
The samples were received on 5/6/2026 9:45 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.1°C.

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

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

Diesel Range Organics
Method 8015B: The method reporting limit check (MRL) for preparation batch 570-736670 and analytical batch 570-738794 recovered outside control limits for the following analytes: C10-C28. These analytes were biased high in the MRL and were not detected in the associated samples; therefore, the data have been reported.

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

Detection Summary

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

Job ID: 380-212211-1
SDG: Weekly: Halawa Wells P1 (MS/MSD)

Client Sample ID: HALAWA WELLS P1 (331-023-WL065)

Lab Sample ID: 380-212211-1

PWSID Number: HI0000331

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Dieldrin	0.036		0.0098		ug/L	1		525.2	Total/NA
Heptachlor epoxide (isomer B)	0.013		0.0098		ug/L	1		525.2	Total/NA

Client Sample ID: TB: HALAWA WELLS P1 (331-023-WL065)

Lab Sample ID: 380-212211-2

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

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

Job ID: 380-212211-1
SDG: Weekly: Halawa Wells P1 (MS/MSD)

Client Sample ID: HALAWA WELLS P1 (331-023-WL065)
Date Collected: 05/04/26 10:39
Date Received: 05/06/26 09:45

Lab Sample ID: 380-212211-1
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	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 12:44	1
2,4'-DDD	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 12:44	1
2,4'-DDE	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 12:44	1
2,4'-DDT	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 12:44	1
2,4-Dinitrotoluene	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 12:44	1
2,6-Dinitrotoluene	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 12:44	1
2-Methylnaphthalene	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 12:44	1
4,4'-DDD	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 12:44	1
4,4'-DDE	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 12:44	1
4,4'-DDT	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 12:44	1
Acenaphthene	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 12:44	1
Acenaphthylene	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 12:44	1
Acetochlor	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 12:44	1
Alachlor	<0.049		0.049		ug/L		05/07/26 15:06	05/11/26 12:44	1
alpha-BHC	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 12:44	1
alpha-Chlordane	<0.049		0.049		ug/L		05/07/26 15:06	05/11/26 12:44	1
Anthracene	<0.020	F1	0.020		ug/L		05/07/26 15:06	05/11/26 12:44	1
Atrazine	<0.049		0.049		ug/L		05/07/26 15:06	05/11/26 12:44	1
Benz(a)anthracene	<0.049		0.049		ug/L		05/07/26 15:06	05/11/26 12:44	1
Benzo[a]pyrene	<0.020		0.020		ug/L		05/07/26 15:06	05/11/26 12:44	1
Benzo[b]fluoranthene	<0.020		0.020		ug/L		05/07/26 15:06	05/11/26 12:44	1
Benzo[g,h,i]perylene	<0.049		0.049		ug/L		05/07/26 15:06	05/11/26 12:44	1
Benzo[k]fluoranthene	<0.020		0.020		ug/L		05/07/26 15:06	05/11/26 12:44	1
beta-BHC	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 12:44	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59		ug/L		05/07/26 15:06	05/11/26 12:44	1
Bromacil	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 12:44	1
Butachlor	<0.049		0.049		ug/L		05/07/26 15:06	05/11/26 12:44	1
Butylbenzylphthalate	<0.49		0.49		ug/L		05/07/26 15:06	05/11/26 12:44	1
Chlorobenzilate	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 12:44	1
Chloroneb	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 12:44	1
Chlorothalonil (Draconil, Bravo)	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 12:44	1
Chlorpyrifos	<0.049		0.049		ug/L		05/07/26 15:06	05/11/26 12:44	1
Chrysene	<0.020		0.020		ug/L		05/07/26 15:06	05/11/26 12:44	1
delta-BHC	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 12:44	1
Di(2-ethylhexyl)adipate	<0.59		0.59		ug/L		05/07/26 15:06	05/11/26 12:44	1
Dibenz(a,h)anthracene	<0.049		0.049		ug/L		05/07/26 15:06	05/11/26 12:44	1
Diclorvos (DDVP)	<0.049		0.049		ug/L		05/07/26 15:06	05/11/26 12:44	1
Dieldrin	**0.036**		0.0098		ug/L		05/07/26 15:06	05/11/26 12:44	1
Diethylphthalate	<0.49		0.49		ug/L		05/07/26 15:06	05/11/26 12:44	1
Dimethylphthalate	<0.49		0.49		ug/L		05/07/26 15:06	05/11/26 12:44	1
Di-n-butyl phthalate	<0.98		0.98		ug/L		05/07/26 15:06	05/11/26 12:44	1
Di-n-octyl phthalate	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 12:44	1
Endosulfan I (Alpha)	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 12:44	1
Endosulfan II (Beta)	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 12:44	1
Endosulfan sulfate	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 12:44	1
Endrin	<0.0098		0.0098		ug/L		05/07/26 15:06	05/11/26 12:44	1
Endrin aldehyde	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 12:44	1
EPTC	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 12:44	1
Fluoranthene	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 12:44	1

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

Job ID: 380-212211-1
SDG: Weekly: Halawa Wells P1 (MS/MSD)

Client Sample ID: HALAWA WELLS P1 (331-023-WL065)
Date Collected: 05/04/26 10:39
Date Received: 05/06/26 09:45

Lab Sample ID: 380-212211-1
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	<0.049		0.049		ug/L		05/07/26 15:06	05/11/26 12:44	1
gamma-Chlordane	<0.049		0.049		ug/L		05/07/26 15:06	05/11/26 12:44	1
Heptachlor	<0.0098		0.0098		ug/L		05/07/26 15:06	05/11/26 12:44	1
Heptachlor epoxide (isomer B)	**0.013**		0.0098		ug/L		05/07/26 15:06	05/11/26 12:44	1
Hexachlorobenzene	<0.049		0.049		ug/L		05/07/26 15:06	05/11/26 12:44	1
Hexachlorocyclopentadiene	<0.049		0.049		ug/L		05/07/26 15:06	05/11/26 12:44	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049		ug/L		05/07/26 15:06	05/11/26 12:44	1
Isophorone	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 12:44	1
Lindane	<0.0098		0.0098		ug/L		05/07/26 15:06	05/11/26 12:44	1
Malathion	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 12:44	1
Methoxychlor	<0.049		0.049		ug/L		05/07/26 15:06	05/11/26 12:44	1
Metolachlor	<0.049		0.049		ug/L		05/07/26 15:06	05/11/26 12:44	1
Molinate	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 12:44	1
Naphthalene	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 12:44	1
Parathion	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 12:44	1
Pendimethalin (Penoxaline)	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 12:44	1
Phenanthrene	<0.039		0.039		ug/L		05/07/26 15:06	05/11/26 12:44	1
Propachlor	<0.049		0.049		ug/L		05/07/26 15:06	05/11/26 12:44	1
Pyrene	<0.049		0.049		ug/L		05/07/26 15:06	05/11/26 12:44	1
Simazine	<0.049		0.049		ug/L		05/07/26 15:06	05/11/26 12:44	1
Terbacil	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 12:44	1
Terbuthylazine	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 12:44	1
Thiobencarb	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 12:44	1
Total Permethrin (mixed isomers)	<0.20		0.20		ug/L		05/07/26 15:06	05/11/26 12:44	1
trans-Nonachlor	<0.049		0.049		ug/L		05/07/26 15:06	05/11/26 12:44	1
Trifluralin	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 12:44	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*	*05/07/26 15:06*	*05/11/26 12:44*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*96*		*70 - 130*	*05/07/26 15:06*	*05/11/26 12:44*	*1*
Perylene-d12	*90*		*70 - 130*	*05/07/26 15:06*	*05/11/26 12:44*	*1*
Triphenylphosphate	*100*		*70 - 130*	*05/07/26 15:06*	*05/11/26 12:44*	*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		05/09/26 08:00	05/14/26 04:32	1
2-Methylnaphthalene	<0.20		0.20		ug/L		05/09/26 08:00	05/14/26 04:32	1
Acenaphthene	<0.20		0.20		ug/L		05/09/26 08:00	05/14/26 04:32	1
Acenaphthylene	<0.20		0.20		ug/L		05/09/26 08:00	05/14/26 04:32	1
Anthracene	<0.20		0.20		ug/L		05/09/26 08:00	05/14/26 04:32	1
Benzo[a]anthracene	<0.20		0.20		ug/L		05/09/26 08:00	05/14/26 04:32	1
Benzo[a]pyrene	<0.20		0.20		ug/L		05/09/26 08:00	05/14/26 04:32	1
Benzo[b]fluoranthene	<0.20		0.20		ug/L		05/09/26 08:00	05/14/26 04:32	1
Benzo[g,h,i]perylene	<0.20		0.20		ug/L		05/09/26 08:00	05/14/26 04:32	1
Benzo[k]fluoranthene	<0.20		0.20		ug/L		05/09/26 08:00	05/14/26 04:32	1
Chrysene	<0.20		0.20		ug/L		05/09/26 08:00	05/14/26 04:32	1
Dibenz(a,h)anthracene	<0.20		0.20		ug/L		05/09/26 08:00	05/14/26 04:32	1
Fluoranthene	<0.20		0.20		ug/L		05/09/26 08:00	05/14/26 04:32	1

Client Sample ID: HALAWA WELLS P1 (331-023-WL065)

Date Collected: 05/04/26 10:39
Date Received: 05/06/26 09:45

Lab Sample ID: 380-212211-1
Matrix: Drinking Water
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		05/09/26 08:00	05/14/26 04:32	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20		ug/L		05/09/26 08:00	05/14/26 04:32	1
Naphthalene	<0.20		0.20		ug/L		05/09/26 08:00	05/14/26 04:32	1
Phenanthrene	<0.20		0.20		ug/L		05/09/26 08:00	05/14/26 04:32	1
Pyrene	<0.20		0.20		ug/L		05/09/26 08:00	05/14/26 04:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*74*		*28 - 127*	*05/09/26 08:00*	*05/14/26 04:32*	*1*
2-Fluorobiphenyl (Surr)	*75*		*31 - 120*	*05/09/26 08:00*	*05/14/26 04:32*	*1*
2-Fluorophenol (Surr)	*42*		*17 - 120*	*05/09/26 08:00*	*05/14/26 04:32*	*1*
Nitrobenzene-d5 (Surr)	*77*		*27 - 120*	*05/09/26 08:00*	*05/14/26 04:32*	*1*
Phenol-d6 (Surr)	*27*		*10 - 120*	*05/09/26 08:00*	*05/14/26 04:32*	*1*
p-Terphenyl-d14 (Surr)	*75*		*45 - 120*	*05/09/26 08:00*	*05/14/26 04:32*	*1*

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

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*	*05/09/26 08:00*	*05/18/26 08:24*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*80*		*33 - 139*	*05/09/26 08:00*	*05/18/26 08:24*	*1*
2-Fluorobiphenyl (Surr)	*78*		*33 - 126*	*05/09/26 08:00*	*05/18/26 08:24*	*1*
2-Fluorophenol (Surr)	*45*		*12 - 120*	*05/09/26 08:00*	*05/18/26 08:24*	*1*
Nitrobenzene-d5 (Surr)	*84*		*36 - 120*	*05/09/26 08:00*	*05/18/26 08:24*	*1*
Phenol-d6 (Surr)	*31*		*10 - 120*	*05/09/26 08:00*	*05/18/26 08:24*	*1*
p-Terphenyl-d14 (Surr)	*87*		*47 - 131*	*05/09/26 08:00*	*05/18/26 08:24*	*1*

Method: SW846 8015B GRO LL - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10		ug/L			05/15/26 14:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*38 - 134*		*05/15/26 14:04*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<25		25		ug/L		05/10/26 09:15	05/14/26 14:43	1
Motor Oil Range Organics [C24-C36]	<25		25		ug/L		05/10/26 09:15	05/14/26 14:43	1
C8-C18	<25		25		ug/L		05/10/26 09:15	05/14/26 14:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*96*		*60 - 130*	*05/10/26 09:15*	*05/14/26 14:43*	*1*

Client Sample ID: TB: HALAWA WELLS P1 (331-023-WL065)

Date Collected: 05/04/26 10:39
Date Received: 05/06/26 09:45

Lab Sample ID: 380-212211-2
Matrix: Water

Method: SW846 8015B GRO LL - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10		ug/L			05/15/26 13:41	1

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

Job ID: 380-212211-1
SDG: Weekly: Halawa Wells P1 (MS/MSD)

Client Sample ID: TB: HALAWA WELLS P1 (331-023-WL065)
Date Collected: 05/04/26 10:39
Date Received: 05/06/26 09:45

Lab Sample ID: 380-212211-2
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*100*		*38 - 134*		*05/15/26 13:41*	*1*

Action Limit Summary

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

Job ID: 380-212211-1
SDG: Weekly: Halawa Wells P1 (MS/MSD)

Client Sample ID: HALAWA WELLS P1 (331-023-WL065)

Lab Sample ID: 380-212211-1

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	<0.049		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)	0.013		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: 380-212211-1
SDG: Weekly: Halawa Wells P1 (MS/MSD)

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)
380-212211-1	HALAWA WELLS P1 (331-023-WL0	96	90	100
380-212211-1 MS	HALAWA WELLS P1 (331-023-WL065)	96	94	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)		
		2NMX	PRY	TPP
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
380-212216-I-1-A DU	Duplicate	97	94	105
LCS 380-225625/23-A	Lab Control Sample	97	93	105
MB 380-225625/21-A	Method Blank	98	87	99
MRL 380-225625/22-A	Lab Control Sample	99	89	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)
380-212211-1	HALAWA WELLS P1 (331-023-WL0	80	78	45	84	31	87

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 570-735990/1-A	Method Blank	92	93	51	96	38	87

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)
380-212211-1	HALAWA WELLS P1 (331-023-WL0	74	75	42	77	27	75
380-212211-1 MS	HALAWA WELLS P1 (331-023-WL065)	76	92	69	81	43	84
380-212211-1 MSD	HALAWA WELLS P1 (331-023-WL065)	76	87	64	78	41	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 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 570-735990/2-A	Lab Control Sample	73	89	68	80	44	87
LCSD 570-735990/3-A	Lab Control Sample Dup	75	86	67	80	43	84
MB 570-735990/1-A	Method Blank	92	102	68	111	41	88

Surrogate Legend

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

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)
380-212211-1	HALAWA WELLS P1 (331-023-WL0	97
380-212211-1 MS	HALAWA WELLS P1 (331-023-WL065)	104
380-212211-1 MSD	HALAWA WELLS P1 (331-023-WL065)	122

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

Surrogate Summary

Client: City & County of Honolulu
Job ID: 380-212211-1
Project/Site: RED-HILL
SDG: Weekly: Halawa Wells P1 (MS/MSD)

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)
380-212211-2	TB: HALAWA WELLS P1 (331-023-\	100
LCS 570-739361/3	Lab Control Sample	105
LCSD 570-739361/4	Lab Control Sample Dup	101
MB 570-739361/6	Method Blank	100
MRL 570-739361/5	Lab Control Sample	96

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)
380-212211-1	HALAWA WELLS P1 (331-023-WL0	96
380-212211-1 MS	HALAWA WELLS P1 (331-023-WL065)	101
380-212211-1 MSD	HALAWA WELLS P1 (331-023-WL065)	103

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)
LCS 570-736670/2-A	Lab Control Sample	104
LCSD 570-736670/3-A	Lab Control Sample Dup	110
MB 570-736670/1-A	Method Blank	103
MRL 570-736670/4-A	Lab Control Sample	101

Surrogate Legend

OTCSN = n-Octacosane (Surr)

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

Lab Sample ID: MB 380-225625/21-A
Matrix: Water
Analysis Batch: 226125

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 225625

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 11:24	1
2,4'-DDD	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 11:24	1
2,4'-DDE	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 11:24	1
2,4'-DDT	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 11:24	1
2,4-Dinitrotoluene	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 11:24	1
2,6-Dinitrotoluene	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 11:24	1
2-Methylnaphthalene	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 11:24	1
4,4'-DDD	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 11:24	1
4,4'-DDE	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 11:24	1
4,4'-DDT	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 11:24	1
Acenaphthene	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 11:24	1
Acenaphthylene	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 11:24	1
Acetochlor	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 11:24	1
Alachlor	<0.049		0.049		ug/L		05/07/26 15:06	05/11/26 11:24	1
alpha-BHC	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 11:24	1
alpha-Chlordane	<0.049		0.049		ug/L		05/07/26 15:06	05/11/26 11:24	1
Anthracene	<0.020		0.020		ug/L		05/07/26 15:06	05/11/26 11:24	1
Atrazine	<0.049		0.049		ug/L		05/07/26 15:06	05/11/26 11:24	1
Benz(a)anthracene	<0.049		0.049		ug/L		05/07/26 15:06	05/11/26 11:24	1
Benzo[a]pyrene	<0.020		0.020		ug/L		05/07/26 15:06	05/11/26 11:24	1
Benzo[b]fluoranthene	<0.020		0.020		ug/L		05/07/26 15:06	05/11/26 11:24	1
Benzo[g,h,i]perylene	<0.049		0.049		ug/L		05/07/26 15:06	05/11/26 11:24	1
Benzo[k]fluoranthene	<0.020		0.020		ug/L		05/07/26 15:06	05/11/26 11:24	1
beta-BHC	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 11:24	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59		ug/L		05/07/26 15:06	05/11/26 11:24	1
Bromacil	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 11:24	1
Butachlor	<0.049		0.049		ug/L		05/07/26 15:06	05/11/26 11:24	1
Butylbenzylphthalate	<0.49		0.49		ug/L		05/07/26 15:06	05/11/26 11:24	1
Chlorobenzilate	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 11:24	1
Chloroneb	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 11:24	1
Chlorothalonil (Draconil, Bravo)	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 11:24	1
Chlorpyrifos	<0.049		0.049		ug/L		05/07/26 15:06	05/11/26 11:24	1
Chrysene	<0.020		0.020		ug/L		05/07/26 15:06	05/11/26 11:24	1
delta-BHC	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 11:24	1
Di(2-ethylhexyl)adipate	<0.59		0.59		ug/L		05/07/26 15:06	05/11/26 11:24	1
Dibenz(a,h)anthracene	<0.049		0.049		ug/L		05/07/26 15:06	05/11/26 11:24	1
Diclorvos (DDVP)	<0.049		0.049		ug/L		05/07/26 15:06	05/11/26 11:24	1
Dieldrin	<0.0098		0.0098		ug/L		05/07/26 15:06	05/11/26 11:24	1
Diethylphthalate	<0.49		0.49		ug/L		05/07/26 15:06	05/11/26 11:24	1
Dimethylphthalate	<0.49		0.49		ug/L		05/07/26 15:06	05/11/26 11:24	1
Di-n-butyl phthalate	<0.98		0.98		ug/L		05/07/26 15:06	05/11/26 11:24	1
Di-n-octyl phthalate	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 11:24	1
Endosulfan I (Alpha)	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 11:24	1
Endosulfan II (Beta)	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 11:24	1
Endosulfan sulfate	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 11:24	1
Endrin	<0.0098		0.0098		ug/L		05/07/26 15:06	05/11/26 11:24	1
Endrin aldehyde	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 11:24	1
EPTC	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 11:24	1

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

Lab Sample ID: MB 380-225625/21-A
Matrix: Water
Analysis Batch: 226125

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 225625

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 11:24	1
Fluorene	<0.049		0.049		ug/L		05/07/26 15:06	05/11/26 11:24	1
gamma-Chlordane	<0.049		0.049		ug/L		05/07/26 15:06	05/11/26 11:24	1
Heptachlor	<0.0098		0.0098		ug/L		05/07/26 15:06	05/11/26 11:24	1
Heptachlor epoxide (isomer B)	<0.0098		0.0098		ug/L		05/07/26 15:06	05/11/26 11:24	1
Hexachlorobenzene	<0.049		0.049		ug/L		05/07/26 15:06	05/11/26 11:24	1
Hexachlorocyclopentadiene	<0.049		0.049		ug/L		05/07/26 15:06	05/11/26 11:24	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049		ug/L		05/07/26 15:06	05/11/26 11:24	1
Isophorone	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 11:24	1
Lindane	<0.0098		0.0098		ug/L		05/07/26 15:06	05/11/26 11:24	1
Malathion	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 11:24	1
Methoxychlor	<0.049		0.049		ug/L		05/07/26 15:06	05/11/26 11:24	1
Metolachlor	<0.049		0.049		ug/L		05/07/26 15:06	05/11/26 11:24	1
Molinate	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 11:24	1
Naphthalene	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 11:24	1
Parathion	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 11:24	1
Pendimethalin (Penoxaline)	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 11:24	1
Phenanthrene	<0.039		0.039		ug/L		05/07/26 15:06	05/11/26 11:24	1
Propachlor	<0.049		0.049		ug/L		05/07/26 15:06	05/11/26 11:24	1
Pyrene	<0.049		0.049		ug/L		05/07/26 15:06	05/11/26 11:24	1
Simazine	<0.049		0.049		ug/L		05/07/26 15:06	05/11/26 11:24	1
Terbacil	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 11:24	1
Terbuthylazine	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 11:24	1
Thiobencarb	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 11:24	1
Total Permethrin (mixed isomers)	<0.20		0.20		ug/L		05/07/26 15:06	05/11/26 11:24	1
trans-Nonachlor	<0.049		0.049		ug/L		05/07/26 15:06	05/11/26 11:24	1
Trifluralin	<0.098		0.098		ug/L		05/07/26 15:06	05/11/26 11:24	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*0.737*	*T J*	*ug/L*		*3.01*	*N/A*	*05/07/26 15:06*	*05/11/26 11:24*	*1*
Undecane	*6.57*	*T J N*	*ug/L*		*3.15*	*1120-21-4*	*05/07/26 15:06*	*05/11/26 11:24*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*98*		*70 - 130*	*05/07/26 15:06*	*05/11/26 11:24*	*1*
Perylene-d12	*87*		*70 - 130*	*05/07/26 15:06*	*05/11/26 11:24*	*1*
Triphenylphosphate	*99*		*70 - 130*	*05/07/26 15:06*	*05/11/26 11:24*	*1*

Lab Sample ID: LCS 380-225625/23-A
Matrix: Water
Analysis Batch: 226125

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 225625

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	1.97	2.03		ug/L		103	70 - 130
2,4'-DDD	1.97	2.12		ug/L		108	70 - 130
2,4'-DDE	1.97	2.12		ug/L		107	70 - 130
2,4'-DDT	1.97	2.09		ug/L		106	70 - 130
2,4-Dinitrotoluene	1.97	2.10		ug/L		107	70 - 130
2,6-Dinitrotoluene	1.97	2.14		ug/L		109	70 - 130

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

Lab Sample ID: LCS 380-225625/23-A
Matrix: Water
Analysis Batch: 226125

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 225625

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Methylnaphthalene	1.97	2.01		ug/L		102	70 - 130
4,4'-DDD	1.97	2.11		ug/L		107	70 - 130
4,4'-DDE	1.97	2.09		ug/L		106	70 - 130
4,4'-DDT	1.97	2.08		ug/L		105	70 - 130
Acenaphthene	1.97	2.10		ug/L		107	70 - 130
Acenaphthylene	1.97	1.85		ug/L		94	70 - 130
Acetochlor	1.97	2.17		ug/L		110	70 - 130
Alachlor	1.97	2.20		ug/L		112	70 - 130
alpha-BHC	1.97	2.18		ug/L		110	70 - 130
alpha-Chlordane	1.97	2.17		ug/L		110	70 - 130
Anthracene	1.97	1.99		ug/L		101	70 - 130
Atrazine	1.97	2.30		ug/L		116	70 - 130
Benz(a)anthracene	1.97	2.06		ug/L		104	70 - 130
Benzo[a]pyrene	1.97	2.03		ug/L		103	70 - 130
Benzo[b]fluoranthene	1.97	2.06		ug/L		105	70 - 130
Benzo[g,h,i]perylene	1.97	2.00		ug/L		101	70 - 130
Benzo[k]fluoranthene	1.97	2.11		ug/L		107	70 - 130
beta-BHC	1.97	2.25		ug/L		114	70 - 130
Bis(2-ethylhexyl) phthalate	1.97	2.29		ug/L		116	70 - 130
Bromacil	1.97	1.98		ug/L		100	70 - 130
Butachlor	1.97	2.36		ug/L		120	70 - 130
Butylbenzylphthalate	1.97	2.24		ug/L		114	70 - 130
Chlorobenzilate	1.97	2.15		ug/L		109	70 - 130
Chloroneb	1.97	2.18		ug/L		110	70 - 130
Chlorothalonil (Draconil, Bravo)	1.97	2.17		ug/L		110	70 - 130
Chlorpyrifos	1.97	2.17		ug/L		110	70 - 130
Chrysene	1.97	2.10		ug/L		106	70 - 130
delta-BHC	1.97	2.17		ug/L		110	70 - 130
Di(2-ethylhexyl)adipate	1.97	2.22		ug/L		113	70 - 130
Dibenz(a,h)anthracene	1.97	1.98		ug/L		100	70 - 130
Diclorvos (DDVP)	1.97	2.14		ug/L		109	70 - 130
Dieldrin	1.97	2.22		ug/L		113	70 - 130
Diethylphthalate	1.97	2.29		ug/L		116	70 - 130
Dimethylphthalate	1.97	2.17		ug/L		110	70 - 130
Di-n-butyl phthalate	3.94	4.49		ug/L		114	70 - 130
Di-n-octyl phthalate	1.97	2.03		ug/L		103	70 - 130
Endosulfan I (Alpha)	1.97	2.19		ug/L		111	70 - 130
Endosulfan II (Beta)	1.97	2.30		ug/L		116	70 - 130
Endosulfan sulfate	1.97	2.17		ug/L		110	70 - 130
Endrin	1.97	2.30		ug/L		117	70 - 130
Endrin aldehyde	1.97	2.07		ug/L		105	60 - 130
EPTC	1.97	2.10		ug/L		107	70 - 130
Fluoranthene	1.97	2.05		ug/L		104	70 - 130
Fluorene	1.97	2.14		ug/L		108	70 - 130
gamma-Chlordane	1.97	2.23		ug/L		113	70 - 130
Heptachlor	1.97	2.16		ug/L		110	70 - 130
Heptachlor epoxide (isomer B)	1.97	2.17		ug/L		110	70 - 130
Hexachlorobenzene	1.97	2.07		ug/L		105	70 - 130
Hexachlorocyclopentadiene	1.97	2.03		ug/L		103	70 - 130

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

Lab Sample ID: LCS 380-225625/23-A
Matrix: Water
Analysis Batch: 226125

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 225625

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Indeno[1,2,3-cd]pyrene	1.97	1.95		ug/L		99	70 - 130
Isophorone	1.97	2.05		ug/L		104	70 - 130
Lindane	1.97	2.24		ug/L		114	70 - 130
Malathion	1.97	2.18		ug/L		111	70 - 130
Methoxychlor	1.97	2.07		ug/L		105	70 - 130
Metolachlor	1.97	2.22		ug/L		112	70 - 130
Molinate	1.97	2.18		ug/L		111	70 - 130
Naphthalene	1.97	1.94		ug/L		98	70 - 130
Parathion	1.97	2.16		ug/L		109	70 - 130
Pendimethalin (Penoxaline)	1.97	2.01		ug/L		102	70 - 130
Phenanthrene	1.97	2.10		ug/L		107	70 - 130
Propachlor	1.97	2.34		ug/L		119	70 - 130
Pyrene	1.97	2.08		ug/L		105	70 - 130
Simazine	1.97	2.35		ug/L		119	70 - 130
Terbacil	1.97	2.04		ug/L		104	70 - 130
Terbuthylazine	1.97	2.23		ug/L		113	70 - 130
Thiobencarb	1.97	2.19		ug/L		111	70 - 130
trans-Nonachlor	1.97	2.08		ug/L		106	70 - 130
Trifluralin	1.97	2.05		ug/L		104	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Nitro-m-xylene	*97*		*70 - 130*
Perylene-d12	*93*		*70 - 130*
Triphenylphosphate	*105*		*70 - 130*

Lab Sample ID: MRL 380-225625/22-A
Matrix: Water
Analysis Batch: 226125

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 225625

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	0.0986	0.105		ug/L		106	50 - 150
2,4'-DDD	0.0986	0.0978	J	ug/L		99	50 - 150
2,4'-DDE	0.0986	0.109		ug/L		111	50 - 150
2,4'-DDT	0.0986	0.116		ug/L		117	50 - 150
2,4-Dinitrotoluene	0.0986	0.124		ug/L		126	50 - 150
2,6-Dinitrotoluene	0.0986	0.138		ug/L		140	50 - 150
2-Methylnaphthalene	0.0986	0.0986	J	ug/L		100	50 - 150
4,4'-DDD	0.0986	0.111		ug/L		113	50 - 150
4,4'-DDE	0.0986	0.103		ug/L		104	50 - 150
4,4'-DDT	0.0986	0.113		ug/L		115	50 - 150
Acenaphthene	0.0986	0.102		ug/L		103	50 - 150
Acenaphthylene	0.0986	0.0889	J	ug/L		90	50 - 150
Acetochlor	0.0986	0.119		ug/L		120	50 - 150
Alachlor	0.0493	0.0632		ug/L		128	50 - 150
alpha-BHC	0.0986	0.108		ug/L		109	50 - 150
alpha-Chlordane	0.0246	<0.029		ug/L		112	50 - 150
Anthracene	0.0197	0.0228		ug/L		116	50 - 150
Atrazine	0.0493	0.0568		ug/L		115	50 - 150

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

Lab Sample ID: MRL 380-225625/22-A
Matrix: Water
Analysis Batch: 226125

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 225625

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Benz(a)anthracene	0.0493	0.0603		ug/L		122	50 - 150
Benzo[a]pyrene	0.0197	0.0198	J	ug/L		101	50 - 150
Benzo[b]fluoranthene	0.0197	0.0203		ug/L		103	50 - 150
Benzo[g,h,i]perylene	0.0493	0.0482	J	ug/L		98	50 - 150
Benzo[k]fluoranthene	0.0197	0.0202		ug/L		103	50 - 150
beta-BHC	0.0986	0.122		ug/L		124	50 - 150
Bis(2-ethylhexyl) phthalate	0.591	0.668		ug/L		113	50 - 150
Bromacil	0.0986	0.121		ug/L		122	50 - 150
Butachlor	0.0493	0.0621		ug/L		126	50 - 150
Butylbenzylphthalate	0.493	0.578		ug/L		117	50 - 150
Chlorobenzilate	0.0986	0.112		ug/L		114	50 - 150
Chloroneb	0.0986	0.111		ug/L		113	50 - 150
Chlorothalonil (Draconil, Bravo)	0.0986	0.105		ug/L		107	50 - 150
Chlorpyrifos	0.0493	0.0560		ug/L		114	50 - 150
Chrysene	0.0197	0.0240		ug/L		122	50 - 150
delta-BHC	0.0986	0.107		ug/L		109	50 - 150
Di(2-ethylhexyl)adipate	0.591	0.681		ug/L		115	50 - 150
Dibenz(a,h)anthracene	0.0493	0.0490		ug/L		99	50 - 150
Diclorvos (DDVP)	0.0493	0.0614		ug/L		125	50 - 150
Dieldrin	0.00986	0.0141		ug/L		143	50 - 150
Diethylphthalate	0.493	0.548		ug/L		111	50 - 150
Dimethylphthalate	0.493	0.534		ug/L		108	50 - 150
Di-n-butyl phthalate	0.493	0.563	J	ug/L		114	49 - 243
Di-n-octyl phthalate	0.0986	0.106		ug/L		107	50 - 150
Endosulfan I (Alpha)	0.0986	0.0933	J	ug/L		95	50 - 150
Endosulfan II (Beta)	0.0986	0.122		ug/L		124	50 - 150
Endosulfan sulfate	0.0986	0.116		ug/L		118	50 - 150
Endrin	0.00986	0.00864	J	ug/L		88	50 - 150
Endrin aldehyde	0.0986	0.129		ug/L		131	50 - 150
EPTC	0.0986	0.101		ug/L		102	50 - 150
Fluoranthene	0.0986	0.110		ug/L		111	50 - 150
Fluorene	0.0493	0.0568		ug/L		115	50 - 150
gamma-Chlordane	0.0246	0.0283	J	ug/L		115	50 - 150
Heptachlor	0.00986	0.00805	J	ug/L		82	50 - 150
Heptachlor epoxide (isomer B)	0.00986	0.0125		ug/L		127	50 - 150
Hexachlorobenzene	0.0493	0.0521		ug/L		106	50 - 150
Hexachlorocyclopentadiene	0.0493	0.0527		ug/L		107	50 - 150
Indeno[1,2,3-cd]pyrene	0.0493	0.0470	J	ug/L		95	50 - 150
Isophorone	0.0986	0.111		ug/L		113	50 - 150
Lindane	0.00986	0.0100		ug/L		102	50 - 150
Malathion	0.0986	0.102		ug/L		104	50 - 150
Methoxychlor	0.0493	0.0685		ug/L		139	50 - 150
Metolachlor	0.0493	0.0620		ug/L		126	50 - 150
Molinate	0.0986	0.112		ug/L		114	50 - 150
Naphthalene	0.0986	0.104		ug/L		106	50 - 150
Parathion	0.0986	0.107		ug/L		108	50 - 150
Pendimethalin (Penoxaline)	0.0986	0.105		ug/L		107	50 - 150
Phenanthrene	0.0394	0.0434		ug/L		110	50 - 150
Propachlor	0.0493	0.0579		ug/L		117	50 - 150

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

Lab Sample ID: MRL 380-225625/22-A
Matrix: Water
Analysis Batch: 226125

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 225625

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Pyrene			0.0493	0.0540		ug/L		109	50 - 150		
Simazine			0.0493	0.0587		ug/L		119	50 - 150		
Terbacil			0.0986	0.128		ug/L		130	50 - 150		
Terbuthylazine			0.0986	0.117		ug/L		119	50 - 150		
Thiobencarb			0.0986	0.117		ug/L		118	50 - 150		
trans-Nonachlor			0.0246	0.0285	J	ug/L		115	50 - 150		
Trifluralin			0.0986	0.108		ug/L		109	50 - 150		

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
2-Nitro-m-xylene	*99*		*70 - 130*
Perylene-d12	*89*		*70 - 130*
Triphenylphosphate	*104*		*70 - 130*

Lab Sample ID: 380-212211-1 MS
Matrix: Drinking Water
Analysis Batch: 226125

Client Sample ID: HALAWA WELLS P1 (331-023-WL065)
Prep Type: Total/NA
Prep Batch: 225625

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
1-Methylnaphthalene	<0.098		1.97	2.03		ug/L		103	70 - 130		
2,4'-DDD	<0.098		1.97	2.15		ug/L		109	70 - 130		
2,4'-DDE	<0.098		1.97	2.07		ug/L		105	70 - 130		
2,4'-DDT	<0.098		1.97	2.07		ug/L		105	70 - 130		
2,4-Dinitrotoluene	<0.098		1.97	2.08		ug/L		105	70 - 130		
2,6-Dinitrotoluene	<0.098		1.97	2.13		ug/L		108	70 - 130		
2-Methylnaphthalene	<0.098		1.97	2.02		ug/L		102	70 - 130		
4,4'-DDD	<0.098		1.97	2.11		ug/L		107	70 - 130		
4,4'-DDE	<0.098		1.97	2.01		ug/L		102	70 - 130		
4,4'-DDT	<0.098		1.97	2.00		ug/L		101	70 - 130		
Acenaphthene	<0.098		1.97	2.11		ug/L		107	70 - 130		
Acenaphthylene	<0.098		1.97	1.98		ug/L		100	70 - 130		
Acetochlor	<0.098		1.97	2.22		ug/L		112	70 - 130		
Alachlor	<0.049		1.97	2.19		ug/L		111	70 - 130		
alpha-BHC	<0.098		1.97	2.19		ug/L		111	70 - 130		
alpha-Chlordane	<0.049		1.97	2.17		ug/L		109	70 - 130		
Anthracene	<0.020	F1	1.97	1.36	F1	ug/L		69	70 - 130		
Atrazine	<0.049		1.97	2.24		ug/L		114	70 - 130		
Benz(a)anthracene	<0.049		1.97	1.96		ug/L		99	70 - 130		
Benzo[a]pyrene	<0.020		1.97	1.84		ug/L		93	70 - 130		
Benzo[b]fluoranthene	<0.020		1.97	2.21		ug/L		112	70 - 130		
Benzo[g,h,i]perylene	<0.049		1.97	1.97		ug/L		100	70 - 130		
Benzo[k]fluoranthene	<0.020		1.97	2.13		ug/L		108	70 - 130		
beta-BHC	<0.098		1.97	2.22		ug/L		113	70 - 130		
Bis(2-ethylhexyl) phthalate	<0.59		1.97	2.04		ug/L		103	70 - 130		
Bromacil	<0.098		1.97	2.03		ug/L		100	70 - 130		
Butachlor	<0.049		1.97	2.37		ug/L		120	70 - 130		
Butylbenzylphthalate	<0.49		1.97	2.29		ug/L		116	70 - 130		
Chlorobenzilate	<0.098		1.97	2.15		ug/L		109	70 - 130		
Chloroneb	<0.098		1.97	2.15		ug/L		109	70 - 130		

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

Lab Sample ID: 380-212211-1 MS
Matrix: Drinking Water
Analysis Batch: 226125

Client Sample ID: HALAWA WELLS P1 (331-023-WL065)
Prep Type: Total/NA
Prep Batch: 225625

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chlorothalonil (Draconil, Bravo)	<0.098		1.97	2.19		ug/L		111	70 - 130
Chlorpyrifos	<0.049		1.97	2.24		ug/L		114	70 - 130
Chrysene	<0.020		1.97	2.11		ug/L		107	70 - 130
delta-BHC	<0.098		1.97	2.14		ug/L		109	70 - 130
Di(2-ethylhexyl)adipate	<0.59		1.97	2.07		ug/L		105	70 - 130
Dibenz(a,h)anthracene	<0.049		1.97	1.98		ug/L		100	70 - 130
Diclorvos (DDVP)	<0.049		1.97	2.14		ug/L		108	70 - 130
Dieldrin	0.036		1.97	2.30		ug/L		115	70 - 130
Diethylphthalate	<0.49		1.97	2.25		ug/L		114	70 - 130
Dimethylphthalate	<0.49		1.97	2.15		ug/L		109	70 - 130
Di-n-butyl phthalate	<0.98		3.95	4.55		ug/L		115	70 - 130
Di-n-octyl phthalate	<0.098		1.97	1.69		ug/L		85	70 - 130
Endosulfan I (Alpha)	<0.098		1.97	2.24		ug/L		113	70 - 130
Endosulfan II (Beta)	<0.098		1.97	2.29		ug/L		116	70 - 130
Endosulfan sulfate	<0.098		1.97	2.18		ug/L		110	70 - 130
Endrin	<0.0098		1.97	2.32		ug/L		117	70 - 130
Endrin aldehyde	<0.098		1.97	1.76		ug/L		89	60 - 130
EPTC	<0.098		1.97	2.10		ug/L		107	70 - 130
Fluoranthene	<0.098		1.97	2.10		ug/L		106	70 - 130
Fluorene	<0.049		1.97	2.13		ug/L		108	70 - 130
gamma-Chlordane	<0.049		1.97	2.19		ug/L		110	70 - 130
Heptachlor	<0.0098		1.97	2.18		ug/L		110	70 - 130
Heptachlor epoxide (isomer B)	0.013		1.97	2.23		ug/L		112	70 - 130
Hexachlorobenzene	<0.049		1.97	2.08		ug/L		105	70 - 130
Hexachlorocyclopentadiene	<0.049		1.97	2.03		ug/L		103	70 - 130
Indeno[1,2,3-cd]pyrene	<0.049		1.97	1.95		ug/L		99	70 - 130
Isophorone	<0.098		1.97	2.02		ug/L		102	70 - 130
Lindane	<0.0098		1.97	2.19		ug/L		111	70 - 130
Malathion	<0.098		1.97	2.21		ug/L		112	70 - 130
Methoxychlor	<0.049		1.97	2.16		ug/L		109	70 - 130
Metolachlor	<0.049		1.97	2.21		ug/L		112	70 - 130
Molinate	<0.098		1.97	2.14		ug/L		108	70 - 130
Naphthalene	<0.098		1.97	1.93		ug/L		98	70 - 130
Parathion	<0.098		1.97	2.16		ug/L		109	70 - 130
Pendimethalin (Penoxaline)	<0.098		1.97	2.05		ug/L		104	70 - 130
Phenanthrene	<0.039		1.97	2.13		ug/L		108	70 - 130
Propachlor	<0.049		1.97	2.29		ug/L		116	70 - 130
Pyrene	<0.049		1.97	2.10		ug/L		106	70 - 130
Simazine	<0.049		1.97	2.30		ug/L		117	70 - 130
Terbacil	<0.098		1.97	2.16		ug/L		109	70 - 130
Terbuthylazine	<0.098		1.97	2.22		ug/L		112	70 - 130
Thiobencarb	<0.098		1.97	2.20		ug/L		112	70 - 130
trans-Nonachlor	<0.049		1.97	2.10		ug/L		106	70 - 130
Trifluralin	<0.098		1.97	2.08		ug/L		105	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Nitro-m-xylene	*96*		*70 - 130*
Perylene-d12	*94*		*70 - 130*

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

Lab Sample ID: 380-212211-1 MS
Matrix: Drinking Water
Analysis Batch: 226125

Client Sample ID: HALAWA WELLS P1 (331-023-WL065)
Prep Type: Total/NA
Prep Batch: 225625

Surrogate	MS %Recovery	MS Qualifier	Limits
Triphenylphosphate	*104*		*70 - 130*

Lab Sample ID: 380-212216-I-1-A DU
Matrix: Water
Analysis Batch: 226125

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 225625

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1-Methylnaphthalene	<0.098			<0.098		ug/L				NC	20
2,4'-DDD	<0.098			<0.098		ug/L				NC	20
2,4'-DDE	<0.098			<0.098		ug/L				NC	20
2,4'-DDT	<0.098			<0.098		ug/L				NC	20
2,4-Dinitrotoluene	<0.098			<0.098		ug/L				NC	20
2,6-Dinitrotoluene	<0.098			<0.098		ug/L				NC	20
2-Methylnaphthalene	<0.098			<0.098		ug/L				NC	20
4,4'-DDD	<0.098			<0.098		ug/L				NC	20
4,4'-DDE	<0.098			<0.098		ug/L				NC	20
4,4'-DDT	<0.098			<0.098		ug/L				NC	20
Acenaphthene	<0.098			<0.098		ug/L				NC	20
Acenaphthylene	<0.098			<0.098		ug/L				NC	20
Acetochlor	<0.098			<0.098		ug/L				NC	20
Alachlor	<0.049			<0.049		ug/L				NC	20
alpha-BHC	<0.098			<0.098		ug/L				NC	20
alpha-Chlordane	<0.049			<0.049		ug/L				NC	20
Anthracene	<0.020			<0.020		ug/L				NC	20
Atrazine	<0.049			<0.049		ug/L				NC	20
Benz(a)anthracene	<0.049			<0.049		ug/L				NC	20
Benzo[a]pyrene	<0.020			<0.020		ug/L				NC	20
Benzo[b]fluoranthene	<0.020			<0.020		ug/L				NC	20
Benzo[g,h,i]perylene	<0.049			<0.049		ug/L				NC	20
Benzo[k]fluoranthene	<0.020			<0.020		ug/L				NC	20
beta-BHC	<0.098			<0.098		ug/L				NC	20
Bis(2-ethylhexyl) phthalate	<0.59			<0.59		ug/L				NC	20
Bromacil	<0.098			<0.098		ug/L				NC	20
Butachlor	<0.049			<0.049		ug/L				NC	20
Butylbenzylphthalate	<0.49			<0.49		ug/L				NC	20
Chlorobenzilate	<0.098			<0.098		ug/L				NC	20
Chloroneb	<0.098			<0.098		ug/L				NC	20
Chlorothalonil (Draconil, Bravo)	<0.098			<0.098		ug/L				NC	20
Chlorpyrifos	<0.049			<0.049		ug/L				NC	20
Chrysene	<0.020			<0.020		ug/L				NC	20
delta-BHC	<0.098			<0.098		ug/L				NC	20
Di(2-ethylhexyl)adipate	<0.59			<0.59		ug/L				NC	20
Dibenz(a,h)anthracene	<0.049			<0.049		ug/L				NC	20
Diclorvos (DDVP)	<0.049			<0.049		ug/L				NC	20
Dieldrin	0.032			0.0302		ug/L				6	20
Diethylphthalate	<0.49			<0.49		ug/L				NC	20
Dimethylphthalate	<0.49			<0.49		ug/L				NC	20
Di-n-butyl phthalate	<0.98			<0.98		ug/L				NC	20

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

Lab Sample ID: 380-212216-I-1-A DU
Matrix: Water
Analysis Batch: 226125

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 225625

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

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
2-Nitro-m-xylene	*97*		*70 - 130*
Perylene-d12	*94*		*70 - 130*
Triphenylphosphate	*105*		*70 - 130*

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

Lab Sample ID: MB 570-735990/1-A
Matrix: Water
Analysis Batch: 740279

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 735990

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*	*05/09/26 08:00*	*05/18/26 08:00*	*1*

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

Lab Sample ID: MB 570-735990/1-A
Matrix: Water
Analysis Batch: 740279

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 735990

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	*92*		*33 - 139*	*05/09/26 08:00*	*05/18/26 08:00*	*1*
2-Fluorobiphenyl (Surr)	*93*		*33 - 126*	*05/09/26 08:00*	*05/18/26 08:00*	*1*
2-Fluorophenol (Surr)	*51*		*12 - 120*	*05/09/26 08:00*	*05/18/26 08:00*	*1*
Nitrobenzene-d5 (Surr)	*96*		*36 - 120*	*05/09/26 08:00*	*05/18/26 08:00*	*1*
Phenol-d6 (Surr)	*38*		*10 - 120*	*05/09/26 08 00*	*05/18/26 08 00*	*1*
p-Terphenyl-d14 (Surr)	*87*		*47 - 131*	*05/09/26 08:00*	*05/18/26 08:00*	*1*

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

Lab Sample ID: MB 570-735990/1-A
Matrix: Water
Analysis Batch: 738524

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 735990

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.20		0.20		ug/L		05/09/26 08:00	05/14/26 01:37	1
2-Methylnaphthalene	<0.20		0.20		ug/L		05/09/26 08:00	05/14/26 01:37	1
Acenaphthene	<0.20		0.20		ug/L		05/09/26 08:00	05/14/26 01:37	1
Acenaphthylene	<0.20		0.20		ug/L		05/09/26 08:00	05/14/26 01:37	1
Anthracene	<0.20		0.20		ug/L		05/09/26 08:00	05/14/26 01:37	1
Benzo[a]anthracene	<0.20		0.20		ug/L		05/09/26 08:00	05/14/26 01:37	1
Benzo[a]pyrene	<0.20		0.20		ug/L		05/09/26 08:00	05/14/26 01:37	1
Benzo[b]fluoranthene	<0.20		0.20		ug/L		05/09/26 08:00	05/14/26 01:37	1
Benzo[g,h,i]perylene	<0.20		0.20		ug/L		05/09/26 08:00	05/14/26 01:37	1
Benzo[k]fluoranthene	<0.20		0.20		ug/L		05/09/26 08:00	05/14/26 01:37	1
Chrysene	<0.20		0.20		ug/L		05/09/26 08:00	05/14/26 01:37	1
Dibenz(a,h)anthracene	<0.20		0.20		ug/L		05/09/26 08:00	05/14/26 01:37	1
Fluoranthene	<0.20		0.20		ug/L		05/09/26 08:00	05/14/26 01:37	1
Fluorene	<0.20		0.20		ug/L		05/09/26 08:00	05/14/26 01:37	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20		ug/L		05/09/26 08:00	05/14/26 01:37	1
Naphthalene	<0.20		0.20		ug/L		05/09/26 08:00	05/14/26 01:37	1
Phenanthrene	<0.20		0.20		ug/L		05/09/26 08:00	05/14/26 01:37	1
Pyrene	<0.20		0.20		ug/L		05/09/26 08:00	05/14/26 01:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	*92*		*28 - 127*	*05/09/26 08:00*	*05/14/26 01:37*	*1*
2-Fluorobiphenyl (Surr)	*102*		*31 - 120*	*05/09/26 08:00*	*05/14/26 01:37*	*1*
2-Fluorophenol (Surr)	*68*		*17 - 120*	*05/09/26 08:00*	*05/14/26 01:37*	*1*
Nitrobenzene-d5 (Surr)	*111*		*27 - 120*	*05/09/26 08:00*	*05/14/26 01:37*	*1*
Phenol-d6 (Surr)	*41*		*10 - 120*	*05/09/26 08:00*	*05/14/26 01:37*	*1*
p-Terphenyl-d14 (Surr)	*88*		*45 - 120*	*05/09/26 08:00*	*05/14/26 01:37*	*1*

Lab Sample ID: LCS 570-735990/2-A
Matrix: Water
Analysis Batch: 738524

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 735990

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1-Methylnaphthalene			20.0	14.4		ug/L		72	47 - 120		
2-Methylnaphthalene			20.0	13.6		ug/L		68	43 - 120		

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

Lab Sample ID: LCS 570-735990/2-A
Matrix: Water
Analysis Batch: 738524

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 735990

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	20.0	18.1		ug/L		91	60 - 132
Acenaphthylene	20.0	19.2		ug/L		96	54 - 126
Anthracene	20.0	17.3		ug/L		86	43 - 120
Benzo[a]anthracene	20.0	18.0		ug/L		90	42 - 133
Benzo[a]pyrene	20.0	18.1		ug/L		90	32 - 148
Benzo[b]fluoranthene	20.0	17.6		ug/L		88	42 - 140
Benzo[g,h,i]perylene	20.0	18.5		ug/L		92	1 - 195
Benzo[k]fluoranthene	20.0	17.5		ug/L		88	25 - 146
Chrysene	20.0	18.1		ug/L		90	44 - 140
Dibenz(a,h)anthracene	20.0	19.0		ug/L		95	1 - 200
Fluoranthene	20.0	16.0		ug/L		80	43 - 121
Fluorene	20.0	18.2		ug/L		91	70 - 120
Indeno[1,2,3-cd]pyrene	20.0	18.6		ug/L		93	1 - 151
Naphthalene	20.0	14.5		ug/L		73	36 - 120
Phenanthrene	20.0	17.6		ug/L		88	65 - 120
Pyrene	20.0	19.9		ug/L		100	70 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*73*		*28 - 127*
2-Fluorobiphenyl (Surr)	*89*		*31 - 120*
2-Fluorophenol (Surr)	*68*		*17 - 120*
Nitrobenzene-d5 (Surr)	*80*		*27 - 120*
Phenol-d6 (Surr)	*44*		*10 - 120*
p-Terphenyl-d14 (Surr)	*87*		*45 - 120*

Lab Sample ID: LCSD 570-735990/3-A
Matrix: Water
Analysis Batch: 738524

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 735990

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	20.0	14.4		ug/L		72	47 - 120	0	20
2-Methylnaphthalene	20.0	13.4		ug/L		67	43 - 120	2	20
Acenaphthene	20.0	17.3		ug/L		86	60 - 132	5	29
Acenaphthylene	20.0	18.4		ug/L		92	54 - 126	5	45
Anthracene	20.0	17.2		ug/L		86	43 - 120	1	40
Benzo[a]anthracene	20.0	17.3		ug/L		86	42 - 133	4	32
Benzo[a]pyrene	20.0	17.4		ug/L		87	32 - 148	4	43
Benzo[b]fluoranthene	20.0	17.1		ug/L		86	42 - 140	3	43
Benzo[g,h,i]perylene	20.0	17.4		ug/L		87	1 - 195	6	61
Benzo[k]fluoranthene	20.0	17.9		ug/L		90	25 - 146	2	38
Chrysene	20.0	17.9		ug/L		89	44 - 140	1	53
Dibenz(a,h)anthracene	20.0	18.4		ug/L		92	1 - 200	3	75
Fluoranthene	20.0	17.0		ug/L		85	43 - 121	6	40
Fluorene	20.0	17.6		ug/L		88	70 - 120	4	23
Indeno[1,2,3-cd]pyrene	20.0	18.2		ug/L		91	1 - 151	2	60
Naphthalene	20.0	14.2		ug/L		71	36 - 120	2	39
Phenanthrene	20.0	17.3		ug/L		87	65 - 120	2	24
Pyrene	20.0	20.3		ug/L		102	70 - 120	2	30

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

Lab Sample ID: LCSD 570-735990/3-A
Matrix: Water
Analysis Batch: 738524

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 735990

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	75		28 - 127
2-Fluorobiphenyl (Surr)	86		31 - 120
2-Fluorophenol (Surr)	67		17 - 120
Nitrobenzene-d5 (Surr)	80		27 - 120
Phenol d6 (Surr)	43		10 - 120
p-Terphenyl-d14 (Surr)	84		45 - 120

Lab Sample ID: 380-212211-1 MS
Matrix: Drinking Water
Analysis Batch: 738524

Client Sample ID: HALAWA WELLS P1 (331-023-WL065)
Prep Type: Total/NA
Prep Batch: 735990

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.20		19.7	15.0		ug/L		76	36 - 120
2-Methylnaphthalene	<0.20		19.7	13.8		ug/L		70	32 - 124
Acenaphthene	<0.20		19.7	17.6		ug/L		89	47 - 145
Acenaphthylene	<0.20		19.7	19.0		ug/L		96	33 - 145
Anthracene	<0.20		19.7	16.7		ug/L		85	27 - 133
Benzo[a]anthracene	<0.20		19.7	17.7		ug/L		90	33 - 143
Benzo[a]pyrene	<0.20		19.7	17.6		ug/L		90	17 - 163
Benzo[b]fluoranthene	<0.20		19.7	16.8		ug/L		86	24 - 159
Benzo[g,h,i]perylene	<0.20		19.7	17.5		ug/L		89	1 - 219
Benzo[k]fluoranthene	<0.20		19.7	16.9		ug/L		86	11 - 162
Chrysene	<0.20		19.7	17.6		ug/L		89	17 - 168
Dibenz(a,h)anthracene	<0.20		19.7	17.7		ug/L		90	1 - 227
Fluoranthene	<0.20		19.7	16.5		ug/L		84	26 - 137
Fluorene	<0.20		19.7	17.9		ug/L		91	59 - 121
Indeno[1,2,3-cd]pyrene	<0.20		19.7	17.8		ug/L		91	1 - 171
Naphthalene	<0.20		19.7	14.5		ug/L		74	21 - 133
Phenanthrene	<0.20		19.7	17.3		ug/L		88	54 - 120
Pyrene	<0.20		19.7	20.0		ug/L		102	52 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	76		28 - 127
2-Fluorobiphenyl (Surr)	92		31 - 120
2-Fluorophenol (Surr)	69		17 - 120
Nitrobenzene-d5 (Surr)	81		27 - 120
Phenol-d6 (Surr)	43		10 - 120
p-Terphenyl-d14 (Surr)	84		45 - 120

Lab Sample ID: 380-212211-1 MSD
Matrix: Drinking Water
Analysis Batch: 738524

Client Sample ID: HALAWA WELLS P1 (331-023-WL065)
Prep Type: Total/NA
Prep Batch: 735990

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	<0.20		19.4	14.1		ug/L		72	36 - 120	6	30
2-Methylnaphthalene	<0.20		19.4	13.1		ug/L		67	32 - 124	6	30
Acenaphthene	<0.20		19.4	16.9		ug/L		87	47 - 145	4	48
Acenaphthylene	<0.20		19.4	17.8		ug/L		92	33 - 145	7	74

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

Lab Sample ID: 380-212211-1 MSD
Matrix: Drinking Water
Analysis Batch: 738524

Client Sample ID: HALAWA WELLS P1 (331-023-WL065)
Prep Type: Total/NA
Prep Batch: 735990

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Anthracene	<0.20		19.4	16.3		ug/L		84	27 - 133	2	66
Benzo[a]anthracene	<0.20		19.4	17.0		ug/L		87	33 - 143	4	53
Benzo[a]pyrene	<0.20		19.4	17.0		ug/L		88	17 - 163	4	72
Benzo[b]fluoranthene	<0.20		19.4	16.4		ug/L		85	24 - 159	2	71
Benzo[g,h,i]perylene	<0.20		19.4	17.2		ug/L		88	1 - 219	2	97
Benzo[k]fluoranthene	<0.20		19.4	16.8		ug/L		86	11 - 162	1	63
Chrysene	<0.20		19.4	17.0		ug/L		87	17 - 168	4	87
Dibenz(a,h)anthracene	<0.20		19.4	17.8		ug/L		92	1 - 227	1	126
Fluoranthene	<0.20		19.4	16.3		ug/L		84	26 - 137	2	66
Fluorene	<0.20		19.4	17.2		ug/L		89	59 - 121	4	38
Indeno[1,2,3-cd]pyrene	<0.20		19.4	17.7		ug/L		91	1 - 171	1	99
Naphthalene	<0.20		19.4	13.7		ug/L		71	21 - 133	6	65
Phenanthrene	<0.20		19.4	16.8		ug/L		86	54 - 120	3	39
Pyrene	<0.20		19.4	19.2		ug/L		99	52 - 120	4	49

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*76*		*28 - 127*
2-Fluorobiphenyl (Surr)	*87*		*31 - 120*
2-Fluorophenol (Surr)	*64*		*17 - 120*
Nitrobenzene-d5 (Surr)	*78*		*27 - 120*
Phenol-d6 (Surr)	*41*		*10 - 120*
p-Terphenyl-d14 (Surr)	*82*		*45 - 120*

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

Lab Sample ID: MB 570-739361/6
Matrix: Water
Analysis Batch: 739361

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10		ug/L			05/15/26 11:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*38 - 134*		*05/15/26 11:18*	*1*

Lab Sample ID: LCS 570-739361/3
Matrix: Water
Analysis Batch: 739361

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	421		ug/L		105	78 - 120		

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

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

Lab Sample ID: LCSD 570-739361/4
Matrix: Water
Analysis Batch: 739361

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)			400	437		ug/L		109	78 - 120	4	10

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

Lab Sample ID: MRL 570-739361/5
Matrix: Water
Analysis Batch: 739361

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (C4-C13)			10.0	12.4		ug/L		124	50 - 150		

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*38 - 134*

Lab Sample ID: 380-212211-1 MS
Matrix: Drinking Water
Analysis Batch: 739361

Client Sample ID: HALAWA WELLS P1 (331-023-WL065)
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	400		ug/L		100	68 - 122		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*38 - 134*

Lab Sample ID: 380-212211-1 MSD
Matrix: Drinking Water
Analysis Batch: 739361

Client Sample ID: HALAWA WELLS P1 (331-023-WL065)
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	458		ug/L		115	68 - 122	14	18

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*122*		*38 - 134*

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

Lab Sample ID: MB 570-736670/1-A
Matrix: Water
Analysis Batch: 738794

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 736670

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<25		25		ug/L		05/10/26 09:02	05/14/26 11:31	1
Motor Oil Range Organics [C24-C36]	<25		25		ug/L		05/10/26 09:02	05/14/26 11:31	1
C8-C18	<25		25		ug/L		05/10/26 09:02	05/14/26 11:31	1

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	103		60 - 130	05/10/26 09:02	05/14/26 11:31	1

Lab Sample ID: LCS 570-736670/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 738794 — **Prep Batch: 736670**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28			1600	1740		ug/L		109	56 - 127		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
n-Octacosane (Surr)	104		60 - 130

Lab Sample ID: LCSD 570-736670/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 738794 — **Prep Batch: 736670**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28			1600	1730		ug/L		108	56 - 127	0	23

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

Lab Sample ID: MRL 570-736670/4-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 738794 — **Prep Batch: 736670**

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28			0.0200	0.0316	^3+	mg/L		158	50 - 150		

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

Lab Sample ID: 380-212211-1 MS — **Client Sample ID: HALAWA WELLS P1 (331-023-WL065)**
Matrix: Drinking Water — **Prep Type: Total/NA**
Analysis Batch: 738794 — **Prep Batch: 736670**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28	<25	^3+	1630	1680		ug/L		103	70 - 130		

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

Lab Sample ID: 380-212211-1 MSD — **Client Sample ID: HALAWA WELLS P1 (331-023-WL065)**
Matrix: Drinking Water — **Prep Type: Total/NA**
Analysis Batch: 738794 — **Prep Batch: 736670**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28	<25	^3+	1630	1710		ug/L		105	70 - 130	2	20

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

Lab Sample ID: 380-212211-1 MSD
Matrix: Drinking Water
Analysis Batch: 738794

Client Sample ID: HALAWA WELLS P1 (331-023-WL065)
Prep Type: Total/NA
Prep Batch: 736670

Surrogate	MSD %Recovery	MSD Qualifier	Limits
n-Octacosane (Surr)	103		60 - 130

QC Association Summary

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

Job ID: 380-212211-1
SDG: Weekly: Halawa Wells P1 (MS/MSD)

GC/MS Semi VOA

Prep Batch: 225625

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-212211-1	HALAWA WELLS P1 (331-023-WL065)	Total/NA	Drinking Water	525.2	
MB 380-225625/21-A	Method Blank	Total/NA	Water	525.2	
LCS 380-225625/23-A	Lab Control Sample	Total/NA	Water	525.2	
MRL 380-225625/22-A	Lab Control Sample	Total/NA	Water	525.2	
380-212211-1 MS	HALAWA WELLS P1 (331-023-WL065)	Total/NA	Drinking Water	525.2	
380-212216-I-1-A DU	Duplicate	Total/NA	Water	525.2	

Analysis Batch: 226125

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-212211-1	HALAWA WELLS P1 (331-023-WL065)	Total/NA	Drinking Water	525.2	225625
MB 380-225625/21-A	Method Blank	Total/NA	Water	525.2	225625
LCS 380-225625/23-A	Lab Control Sample	Total/NA	Water	525.2	225625
MRL 380-225625/22-A	Lab Control Sample	Total/NA	Water	525.2	225625
380-212211-1 MS	HALAWA WELLS P1 (331-023-WL065)	Total/NA	Drinking Water	525.2	225625
380-212216-I-1-A DU	Duplicate	Total/NA	Water	525.2	225625

Prep Batch: 735990

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-212211-1	HALAWA WELLS P1 (331-023-WL065)	Total/NA	Drinking Water	625.1	
MB 570-735990/1-A	Method Blank	Total/NA	Water	625.1	
LCS 570-735990/2-A	Lab Control Sample	Total/NA	Water	625.1	
LCSD 570-735990/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	
380-212211-1 MS	HALAWA WELLS P1 (331-023-WL065)	Total/NA	Drinking Water	625.1	
380-212211-1 MSD	HALAWA WELLS P1 (331-023-WL065)	Total/NA	Drinking Water	625.1	

Analysis Batch: 738524

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-212211-1	HALAWA WELLS P1 (331-023-WL065)	Total/NA	Drinking Water	625.1 SIM	735990
MB 570-735990/1-A	Method Blank	Total/NA	Water	625.1 SIM	735990
LCS 570-735990/2-A	Lab Control Sample	Total/NA	Water	625.1 SIM	735990
LCSD 570-735990/3-A	Lab Control Sample Dup	Total/NA	Water	625.1 SIM	735990
380-212211-1 MS	HALAWA WELLS P1 (331-023-WL065)	Total/NA	Drinking Water	625.1 SIM	735990
380-212211-1 MSD	HALAWA WELLS P1 (331-023-WL065)	Total/NA	Drinking Water	625.1 SIM	735990

Analysis Batch: 740279

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-212211-1	HALAWA WELLS P1 (331-023-WL065)	Total/NA	Drinking Water	625.1	735990
MB 570-735990/1-A	Method Blank	Total/NA	Water	625.1	735990

GC VOA

Analysis Batch: 739361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-212211-1	HALAWA WELLS P1 (331-023-WL065)	Total/NA	Drinking Water	8015B GRO LL	
380-212211-2	TB: HALAWA WELLS P1 (331-023-WL065)	Total/NA	Water	8015B GRO LL	
MB 570-739361/6	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-739361/3	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-739361/4	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-739361/5	Lab Control Sample	Total/NA	Water	8015B GRO LL	
380-212211-1 MS	HALAWA WELLS P1 (331-023-WL065)	Total/NA	Drinking Water	8015B GRO LL	
380-212211-1 MSD	HALAWA WELLS P1 (331-023-WL065)	Total/NA	Drinking Water	8015B GRO LL	

QC Association Summary

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

Job ID: 380-212211-1
SDG: Weekly: Halawa Wells P1 (MS/MSD)

GC Semi VOA

Prep Batch: 736670

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-212211-1	HALAWA WELLS P1 (331-023-WL065)	Total/NA	Drinking Water	3510C	
MB 570-736670/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-736670/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-736670/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MRL 570-736670/4-A	Lab Control Sample	Total/NA	Water	3510C	
380-212211-1 MS	HALAWA WELLS P1 (331-023-WL065)	Total/NA	Drinking Water	3510C	
380-212211-1 MSD	HALAWA WELLS P1 (331-023-WL065)	Total/NA	Drinking Water	3510C	

Analysis Batch: 738794

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-212211-1	HALAWA WELLS P1 (331-023-WL065)	Total/NA	Drinking Water	8015B	736670
MB 570-736670/1-A	Method Blank	Total/NA	Water	8015B	736670
LCS 570-736670/2-A	Lab Control Sample	Total/NA	Water	8015B	736670
LCSD 570-736670/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	736670
MRL 570-736670/4-A	Lab Control Sample	Total/NA	Water	8015B	736670
380-212211-1 MS	HALAWA WELLS P1 (331-023-WL065)	Total/NA	Drinking Water	8015B	736670
380-212211-1 MSD	HALAWA WELLS P1 (331-023-WL065)	Total/NA	Drinking Water	8015B	736670

Lab Chronicle

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

Job ID: 380-212211-1
SDG: Weekly: Halawa Wells P1 (MS/MSD)

Client Sample ID: HALAWA WELLS P1 (331-023-WL065)

Lab Sample ID: 380-212211-1

Date Collected: 05/04/26 10:39
Matrix: Drinking Water
Date Received: 05/06/26 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			225625	IQ42	EA POM	05/07/26 15:06
Total/NA	Analysis	525.2		1	226125	UPAC	EA POM	05/11/26 12:44
Total/NA	Prep	625.1			735990	KLZQ	EET CAL 4	05/09/26 08:00
Total/NA	Analysis	625.1		1	740279	PQS1	EET CAL 4	05/18/26 08:24
Total/NA	Prep	625.1			735990	KLZQ	EET CAL 4	05/09/26 08:00
Total/NA	Analysis	625.1 SIM		1	738524	PQS1	EET CAL 4	05/14/26 04:32
Total/NA	Analysis	8015B GRO LL		1	739361	A9VE	EET CAL 4	05/15/26 14:04
Total/NA	Prep	3510C			736670	TVD6	EET CAL 4	05/10/26 09:15
Total/NA	Analysis	8015B		1	738794	NR	EET CAL 4	05/14/26 14:43

Client Sample ID: TB: HALAWA WELLS P1 (331-023-WL065)

Lab Sample ID: 380-212211-2

Date Collected: 05/04/26 10:39
Matrix: Water
Date Received: 05/06/26 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015B GRO LL		1	739361	A9VE	EET CAL 4	05/15/26 13:41

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: 380-212211-1
SDG: Weekly: Halawa Wells P1 (MS/MSD)

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	07-31-26
California	SCAQMD LAP	17LA0919	11-30-26

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

Accreditation/Certification Summary

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

Job ID: 380-212211-1
SDG: Weekly: Halawa Wells P1 (MS/MSD)

Laboratory: Eurofins Calscience (Continued)

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

Authority	Program	Identification Number	Expiration Date
California	State	3082	07-31-26
Kansas	NELAP	E-10420	07-31-26
Nevada	State	CA00111	07-31-26
Oregon	NELAP	4175	02-02-27
USDA	US Federal Programs	525-23-159-97150	06-08-26
Utah	NELAP	CA00111	02-28-27
Washington	State	C916	10-12-26

Method Summary

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

Job ID: 380-212211-1
SDG: Weekly: Halawa Wells P1 (MS/MSD)

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: 380-212211-1
SDG: Weekly: Halawa Wells P1 (MS/MSD)

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	PWSID Number
380-212211-1	HALAWA WELLS P1 (331-023-WL065)	Drinking Water	05/04/26 10:39	05/06/26 09:45	HI0000331
380-212211-2	TB: HALAWA WELLS P1 (331-023-WL065)	Water	05/04/26 10:39	05/06/26 09:45	

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: 380-212211 COC

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	625.1, 625.1_SIM	8015B_GRO_LL - (MOD) GRO	8015B_DRO_LL_CS - HNL Ranges, C10-C24/C24-C36/C8-C18	525.2_PREC - (MOD) 525plus Plus TICs	537 1_DW_PREC - 537 1 Full List	533 - All Analytes	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	R	RA	Q	QA	Y	I	X	
Halawa Wells P1 (331-023-WL065)	4-May-2026	1039	G	Water		X	4	5	4	2				
Halawa Wells P1 (331-023-WL065) (Matrix Spike)				Water			X	X	X					
Halawa Wells P1 (331-023-WL065)(Matrix Spike Duplicate)				Water			X	X	X					
TB: Halawa Wells P1 (331-023-WL065)	4-May-2026	1039		Water				2						

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

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

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

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment: Fed X.
[redacted]	Date/Time: 05/24/2026 1400	Company: HBWS	Received by: Mark Morcilla Date/Time: 5/6/26 945 Company: EEAP
Relinquished by:	Date/Time:	Company	Received by: Date/Time: Company
Relinquished by:	Date/Time:	Company	Received by: Date/Time: Company

Custody Seals Intact Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks: (631A) 3.1 + 0 = 3.1 gel-frozen

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

Chain of Custody Record

eurofins | Env

Loc: 380
212211

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Lopez, Maria	Carrier Tracking No(s): N/A	COC No: 380-331397.1
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 #: 380-212211-1
Address: 2841 Dow Avenue, Suite 100,	Due Date Requested: 5/19/2026			
City: Tustin	TAT Requested (days): N/A			
State, Zip: CA, 92780				
Phone: 714-895-5494(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: RED-HILL	Project #: 38001111			
Site: Honolulu BWS Sites	SSOW#: N/A			

Analysis Requested

Preservation Codes:
-

Other:
N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015B_DRO_LL_CS/3510C_LL/HNL Ranges: C10-C24/C24-C36/C8-C18	8015B_GRO_LL/5030C(MOD) GRO	625.1_SIM/625_Prep(MOD) Extended PAH List	625.1/625_Prep(MOD) Tentatively Identified Compounds (Hold)	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
HALAWA WELLS P1 (331-023-WL065) (380-212211-1)	5/4/26	10:39 Hawaiian	G	Water			X	X	X	X	7	MRLs are needed. Confirm any hits >RL.
TB: HALAWA WELLS P1 (331-023-WL065) (380-212211-2)	5/4/26	10:39 Hawaiian	G	Water				X			2	MRLs are needed.

380-212211 Chain of Custody

Note: Since laboratory accreditations are subject to change, Eurofins Drinking Water and Wastewater West, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Drinking Water and Wastewater West, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Drinking Water and Wastewater West, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Drinking Water and Wastewater West, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	5/7/26 10:15AM	DOS			
2	[signature]	5/7/26 11:20AM	OCS			
3				[signature]	5/7/26 11:20	

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.4/1.4 SK 8

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-212211-1

SDG Number: Weekly: Halawa Wells P1 (MS/MSD)

Login Number: 212211

List Source: Eurofins Pomona

List Number: 1

Creator: Del Rosario, Michael

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

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-212211-1
SDG Number: Weekly: Halawa Wells P1 (MS/MSD)

Login Number: 212211
List Number: 2
Creator: Khana, Piyush

List Source: Eurofins Calscience
List Creation: 05/07/26 06:27 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	1.4
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	