

ANALYTICAL REPORT

PREPARED FOR

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JOB DESCRIPTION

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

JOB NUMBER

380-237858-1

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: 380-237858-1
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.

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: 380-237858-1

Job ID: 380-237858-1

Eurofins Pomona

Job Narrative 380-237858-1

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 9/23/2026 9:06 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 4.2°C and 5.2°C.

Receipt Exceptions

The following sample(s) was listed on the Chain of Custody (COC); however, no sample(s) was received:

Missing 1 of 2 625, 3 of 3 GRO sample for SITE WATER

Missing 1 of 1 625, and 1 of 1 GRO sample for MS/MSD

Missing 2 of 2 GRO TB.

RECEIVED ALL MISSING SAMPLES ON 09/24/26

HALAWA WELLS P1 (331-023-WL065) (380-237858-1), HALAWA WELLS P1 (331-023-WL065) (380-237858-1[MS]), HALAWA WELLS P1 (331-023-WL065) (380-237858-1[MSD]) and TB: HALAWA WELLS P1 (331-023-WL065) (380-237858-2).

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: 380-237858-1
SDG: Weekly: Halawa Wells P1 (MS/MSD)

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

Lab Sample ID: 380-237858-1

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin	0.032		0.0097	ug/L	1		525.2	Total/NA
Heptachlor epoxide (isomer B)	0.012		0.0097	ug/L	1		525.2	Total/NA

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

Lab Sample ID: 380-237858-2

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: 380-237858-1
SDG: Weekly: Halawa Wells P1 (MS/MSD)

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

Lab Sample ID: 380-237858-1

Date Collected: 09/21/26 10:49

Matrix: Drinking Water

Date Received: 09/23/26 09:06

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.097		0.097	ug/L		09/24/26 09:37	09/25/26 17:55	1
2,4'-DDD	<0.097		0.097	ug/L		09/24/26 09:37	09/25/26 17:55	1
2,4'-DDE	<0.097		0.097	ug/L		09/24/26 09:37	09/25/26 17:55	1
2,4'-DDT	<0.097		0.097	ug/L		09/24/26 09:37	09/25/26 17:55	1
2,4-Dinitrotoluene	<0.097		0.097	ug/L		09/24/26 09:37	09/25/26 17:55	1
2,6-Dinitrotoluene	<0.097		0.097	ug/L		09/24/26 09:37	09/25/26 17:55	1
2-Methylnaphthalene	<0.097		0.097	ug/L		09/24/26 09:37	09/25/26 17:55	1
4,4'-DDD	<0.097		0.097	ug/L		09/24/26 09:37	09/25/26 17:55	1
4,4'-DDE	<0.097		0.097	ug/L		09/24/26 09:37	09/25/26 17:55	1
4,4'-DDT	<0.097		0.097	ug/L		09/24/26 09:37	09/25/26 17:55	1
Acenaphthene	<0.097		0.097	ug/L		09/24/26 09:37	09/25/26 17:55	1
Acenaphthylene	<0.097		0.097	ug/L		09/24/26 09:37	09/25/26 17:55	1
Acetochlor	<0.097		0.097	ug/L		09/24/26 09:37	09/25/26 17:55	1
Alachlor	<0.049		0.049	ug/L		09/24/26 09:37	09/25/26 17:55	1
alpha-BHC	<0.097		0.097	ug/L		09/24/26 09:37	09/25/26 17:55	1
alpha-Chlordane	<0.049		0.049	ug/L		09/24/26 09:37	09/25/26 17:55	1
Anthracene	<0.019		0.019	ug/L		09/24/26 09:37	09/25/26 17:55	1
Atrazine	<0.049		0.049	ug/L		09/24/26 09:37	09/25/26 17:55	1
Benz(a)anthracene	<0.049		0.049	ug/L		09/24/26 09:37	09/25/26 17:55	1
Benzo[a]pyrene	<0.019		0.019	ug/L		09/24/26 09:37	09/25/26 17:55	1
Benzo[b]fluoranthene	<0.019		0.019	ug/L		09/24/26 09:37	09/25/26 17:55	1
Benzo[g,h,i]perylene	<0.049		0.049	ug/L		09/24/26 09:37	09/25/26 17:55	1
Benzo[k]fluoranthene	<0.019		0.019	ug/L		09/24/26 09:37	09/25/26 17:55	1
beta-BHC	<0.097		0.097	ug/L		09/24/26 09:37	09/25/26 17:55	1
Bis(2-ethylhexyl) phthalate	<0.58		0.58	ug/L		09/24/26 09:37	09/25/26 17:55	1
Bromacil	<0.097		0.097	ug/L		09/24/26 09:37	09/25/26 17:55	1
Butachlor	<0.049		0.049	ug/L		09/24/26 09:37	09/25/26 17:55	1
Butylbenzylphthalate	<0.49		0.49	ug/L		09/24/26 09:37	09/25/26 17:55	1
Chlorobenzilate	<0.097		0.097	ug/L		09/24/26 09:37	09/25/26 17:55	1
Chloroneb	<0.097		0.097	ug/L		09/24/26 09:37	09/25/26 17:55	1
Chlorothalonil (Draconil, Bravo)	<0.097		0.097	ug/L		09/24/26 09:37	09/25/26 17:55	1
Chlorpyrifos	<0.049		0.049	ug/L		09/24/26 09:37	09/25/26 17:55	1
Chrysene	<0.019		0.019	ug/L		09/24/26 09:37	09/25/26 17:55	1
delta-BHC	<0.097		0.097	ug/L		09/24/26 09:37	09/25/26 17:55	1
Di(2-ethylhexyl)adipate	<0.58		0.58	ug/L		09/24/26 09:37	09/25/26 17:55	1
Dibenz(a,h)anthracene	<0.049		0.049	ug/L		09/24/26 09:37	09/25/26 17:55	1
Diclorvos (DDVP)	<0.049		0.049	ug/L		09/24/26 09:37	09/25/26 17:55	1
Dieldrin	0.032		0.0097	ug/L		09/24/26 09:37	09/25/26 17:55	1
Diethylphthalate	<0.49		0.49	ug/L		09/24/26 09:37	09/25/26 17:55	1
Dimethylphthalate	<0.49		0.49	ug/L		09/24/26 09:37	09/25/26 17:55	1
Di-n-butyl phthalate	<0.97		0.97	ug/L		09/24/26 09:37	09/25/26 17:55	1
Di-n-octyl phthalate	<0.097		0.097	ug/L		09/24/26 09:37	09/25/26 17:55	1
Endosulfan I (Alpha)	<0.097		0.097	ug/L		09/24/26 09:37	09/25/26 17:55	1
Endosulfan II (Beta)	<0.097		0.097	ug/L		09/24/26 09:37	09/25/26 17:55	1
Endosulfan sulfate	<0.097		0.097	ug/L		09/24/26 09:37	09/25/26 17:55	1
Endrin	<0.0097		0.0097	ug/L		09/24/26 09:37	09/25/26 17:55	1
Endrin aldehyde	<0.097		0.097	ug/L		09/24/26 09:37	09/25/26 17:55	1
EPTC	<0.097		0.097	ug/L		09/24/26 09:37	09/25/26 17:55	1
Fluoranthene	<0.097		0.097	ug/L		09/24/26 09:37	09/25/26 17:55	1

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Client Sample Results

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

Job ID: 380-237858-1
SDG: Weekly: Halawa Wells P1 (MS/MSD)

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

Lab Sample ID: 380-237858-1

Date Collected: 09/21/26 10:49

Matrix: Drinking Water

Date Received: 09/23/26 09:06

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		09/24/26 09:37	09/25/26 17:55	1
gamma-Chlordane	<0.049		0.049	ug/L		09/24/26 09:37	09/25/26 17:55	1
Heptachlor	<0.0097		0.0097	ug/L		09/24/26 09:37	09/25/26 17:55	1
Heptachlor epoxide (isomer B)	0.012		0.0097	ug/L		09/24/26 09:37	09/25/26 17:55	1
Hexachlorobenzene	<0.049		0.049	ug/L		09/24/26 09:37	09/25/26 17:55	1
Hexachlorocyclopentadiene	<0.049		0.049	ug/L		09/24/26 09:37	09/25/26 17:55	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049	ug/L		09/24/26 09:37	09/25/26 17:55	1
Isophorone	<0.097		0.097	ug/L		09/24/26 09:37	09/25/26 17:55	1
Lindane	<0.0097		0.0097	ug/L		09/24/26 09:37	09/25/26 17:55	1
Malathion	<0.097		0.097	ug/L		09/24/26 09:37	09/25/26 17:55	1
Methoxychlor	<0.049		0.049	ug/L		09/24/26 09:37	09/25/26 17:55	1
Metolachlor	<0.049		0.049	ug/L		09/24/26 09:37	09/25/26 17:55	1
Molinate	<0.097		0.097	ug/L		09/24/26 09:37	09/25/26 17:55	1
Naphthalene	<0.097		0.097	ug/L		09/24/26 09:37	09/25/26 17:55	1
Parathion	<0.097		0.097	ug/L		09/24/26 09:37	09/25/26 17:55	1
Pendimethalin (Penoxaline)	<0.097		0.097	ug/L		09/24/26 09:37	09/25/26 17:55	1
Phenanthrene	<0.039		0.039	ug/L		09/24/26 09:37	09/25/26 17:55	1
Propachlor	<0.049		0.049	ug/L		09/24/26 09:37	09/25/26 17:55	1
Pyrene	<0.049		0.049	ug/L		09/24/26 09:37	09/25/26 17:55	1
Simazine	<0.049		0.049	ug/L		09/24/26 09:37	09/25/26 17:55	1
Terbacil	<0.097		0.097	ug/L		09/24/26 09:37	09/25/26 17:55	1
Terbutylazine	<0.097		0.097	ug/L		09/24/26 09:37	09/25/26 17:55	1
Thiobencarb	<0.097		0.097	ug/L		09/24/26 09:37	09/25/26 17:55	1
Total Permethrin (mixed isomers)	<0.19		0.19	ug/L		09/24/26 09:37	09/25/26 17:55	1
trans-Nonachlor	<0.049		0.049	ug/L		09/24/26 09:37	09/25/26 17:55	1
Trifluralin	<0.097		0.097	ug/L		09/24/26 09:37	09/25/26 17:55	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Undecane	3.4	T J N	ug/L		3.22	1120-21-4	09/24/26 09:37	09/25/26 17:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	99		70 - 130	09/24/26 09:37	09/25/26 17:55	1
Perylene-d12	81		70 - 130	09/24/26 09:37	09/25/26 17:55	1
Triphenylphosphate	100		70 - 130	09/24/26 09:37	09/25/26 17:55	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.19		0.19	ug/L		09/26/26 07:58	09/29/26 14:25	1
2-Methylnaphthalene	<0.19		0.19	ug/L		09/26/26 07:58	09/29/26 14:25	1
Acenaphthene	<0.19		0.19	ug/L		09/26/26 07:58	09/29/26 14:25	1
Acenaphthylene	<0.19		0.19	ug/L		09/26/26 07:58	09/29/26 14:25	1
Anthracene	<0.19		0.19	ug/L		09/26/26 07:58	09/29/26 14:25	1
Benzo[a]anthracene	<0.19		0.19	ug/L		09/26/26 07:58	09/29/26 14:25	1
Benzo[a]pyrene	<0.19		0.19	ug/L		09/26/26 07:58	09/29/26 14:25	1
Benzo[b]fluoranthene	<0.19		0.19	ug/L		09/26/26 07:58	09/29/26 14:25	1
Benzo[g,h,i]perylene	<0.19		0.19	ug/L		09/26/26 07:58	09/29/26 14:25	1
Benzo[k]fluoranthene	<0.19		0.19	ug/L		09/26/26 07:58	09/29/26 14:25	1
Chrysene	<0.19		0.19	ug/L		09/26/26 07:58	09/29/26 14:25	1
Dibenz(a,h)anthracene	<0.19		0.19	ug/L		09/26/26 07:58	09/29/26 14:25	1
Fluoranthene	<0.19		0.19	ug/L		09/26/26 07:58	09/29/26 14:25	1

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Client Sample Results

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

Job ID: 380-237858-1
SDG: Weekly: Halawa Wells P1 (MS/MSD)

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

Lab Sample ID: 380-237858-1

Date Collected: 09/21/26 10:49

Matrix: Drinking Water

Date Received: 09/23/26 09:06

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.19		0.19	ug/L		09/26/26 07:58	09/29/26 14:25	1
Indeno[1,2,3-cd]pyrene	<0.19		0.19	ug/L		09/26/26 07:58	09/29/26 14:25	1
Naphthalene	<0.19		0.19	ug/L		09/26/26 07:58	09/29/26 14:25	1
Phenanthrene	<0.19		0.19	ug/L		09/26/26 07:58	09/29/26 14:25	1
Pyrene	<0.19		0.19	ug/L		09/26/26 07:58	09/29/26 14:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	83		28 - 127	09/26/26 07:58	09/29/26 14:25	1
2-Fluorobiphenyl (Surr)	71		31 - 120	09/26/26 07:58	09/29/26 14:25	1
2-Fluorophenol (Surr)	42		17 - 120	09/26/26 07:58	09/29/26 14:25	1
Nitrobenzene-d5 (Surr)	74		27 - 120	09/26/26 07:58	09/29/26 14:25	1
Phenol-d6 (Surr)	26		10 - 120	09/26/26 07:58	09/29/26 14:25	1
p-Terphenyl-d14 (Surr)	67		45 - 120	09/26/26 07:58	09/29/26 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
Tentatively Identified Compound	None		ug/L			N/A	09/26/26 07:58	09/29/26 18:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	59		33 - 139	09/26/26 07:58	09/29/26 18:51	1
2-Fluorobiphenyl (Surr)	80		33 - 126	09/26/26 07:58	09/29/26 18:51	1
2-Fluorophenol (Surr)	20		12 - 120	09/26/26 07:58	09/29/26 18:51	1
Nitrobenzene-d5 (Surr)	65		36 - 120	09/26/26 07:58	09/29/26 18:51	1
Phenol-d6 (Surr)	23		10 - 120	09/26/26 07:58	09/29/26 18:51	1
p-Terphenyl-d14 (Surr)	81		47 - 131	09/26/26 07:58	09/29/26 18:51	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			10/01/26 14:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		38 - 134		10/01/26 14:22	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		09/27/26 14:54	10/02/26 21:28	1
Motor Oil Range Organics [C24-C36]	<25		25	ug/L		09/27/26 14:54	10/02/26 21:28	1
C8-C18	<25		25	ug/L		09/27/26 14:54	10/02/26 21:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	91		60 - 130	09/27/26 14:54	10/02/26 21:28	1

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

Lab Sample ID: 380-237858-2

Date Collected: 09/21/26 10:49

Matrix: Water

Date Received: 09/23/26 09:06

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			10/01/26 13:13	1

Eurofins Pomona

Client Sample Results

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

Job ID: 380-237858-1
SDG: Weekly: Halawa Wells P1 (MS/MSD)

Client Sample ID: TB: HALAWA WELLS P1 (331-023-WL065)
Date Collected: 09/21/26 10:49
Date Received: 09/23/26 09:06

Lab Sample ID: 380-237858-2
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		38 - 134		10/01/26 13:13	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: 380-237858-1
SDG: Weekly: Halawa Wells P1 (MS/MSD)

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

Lab Sample ID: 380-237858-1

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	<0.019		ug/L	0.2	0.019	525.2	Total/NA
Bis(2-ethylhexyl) phthalate	<0.58		ug/L	6	0.58	525.2	Total/NA
Di(2-ethylhexyl)adipate	<0.58		ug/L	400	0.58	525.2	Total/NA
Endrin	<0.0097		ug/L	2	0.0097	525.2	Total/NA
Heptachlor	<0.0097		ug/L	0.4	0.0097	525.2	Total/NA
Heptachlor epoxide (isomer B)	0.012		ug/L	0.2	0.0097	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	<0.0097		ug/L	0.2	0.0097	525.2	Total/NA
Methoxychlor	<0.049		ug/L	40	0.049	525.2	Total/NA
Simazine	<0.049		ug/L	4	0.049	525.2	Total/NA
Benzo[a]pyrene	<0.19		ug/L	0.2	0.19	625.1 SIM	Total/NA

Surrogate Summary

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

Job ID: 380-237858-1
SDG: Weekly: Halawa Wells P1 (MS/MSD)

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

Matrix: Drinking Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)						
		2NMX (70-130)	PRY (70-130)	TPP (70-130)				
380-237858-1	HALAWA WELLS P1 (331-023-V)	99	81	100				

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)						
		2NMX (70-130)	PRY (70-130)	TPP (70-130)				
380-237556-AC-1-A MS	Matrix Spike	95	94	101				
380-237611-U-1-A DU	Duplicate	95	90	100				
LCS 380-254467/23-A	Lab Control Sample	95	93	104				
MB 380-254467/21-A	Method Blank	95	85	95				
MRL 380-254467/22-A	Lab Control Sample	94	85	100				

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)							
		TBP (33-139)	FBP (33-126)	2FP (12-120)	NBZ (36-120)	PHL6 (10-120)	TPHd14 (47-131)		
380-237858-1	HALAWA WELLS P1 (331-023-V)	59	80	20	65	23	81		

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)							
		TBP (33-139)	FBP (33-126)	2FP (12-120)	NBZ (36-120)	PHL6 (10-120)	TPHd14 (47-131)		
MB 570-806145/1-A	Method Blank	69	89	45	84	18	91		

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: 380-237858-1
SDG: Weekly: Halawa Wells P1 (MS/MSD)

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

Matrix: Drinking Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (28-127)	FBP (31-120)	2FP (17-120)	NBZ (27-120)	PHL6 (10-120)	TPHD14 (45-120)
380-237858-1	HALAWA WELLS P1 (331-023-V	83	71	42	74	26	67
380-237858-1 MS	HALAWA WELLS P1 (331-023-WL065)	88	82	62	63	40	89
380-237858-1 MSD	HALAWA WELLS P1 (331-023-WL065)	77	73	51	57	34	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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (28-127)	FBP (31-120)	2FP (17-120)	NBZ (27-120)	PHL6 (10-120)	TPHD14 (45-120)
LCS 570-806145/2-A	Lab Control Sample	77	74	56	60	38	78
LCSD 570-806145/3-A	Lab Control Sample Dup	78	74	57	60	39	81
MB 570-806145/1-A	Method Blank	87	75	52	83	34	72

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		BFB1 (38-134)					
380-237858-1	HALAWA WELLS P1 (331-023-V	80					
380-237858-1 MS	HALAWA WELLS P1 (331-023-WL065)	100					
380-237858-1 MSD	HALAWA WELLS P1 (331-023-WL065)	101					

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

Surrogate Summary

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

Job ID: 380-237858-1
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)

Lab Sample ID	Client Sample ID	BFB1 (38-134)
380-237858-2	TB: HALAWA WELLS P1 (331-0	98
LCS 570-808619/3	Lab Control Sample	99
LCSD 570-808619/4	Lab Control Sample Dup	97
MB 570-808619/6	Method Blank	101
MRL 570-808619/5	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)

Lab Sample ID	Client Sample ID	OTCSN1 (60-130)
380-237858-1	HALAWA WELLS P1 (331-023-V	91
380-237858-1 MS	HALAWA WELLS P1 (331-023-WL065)	103
380-237858-1 MSD	HALAWA WELLS P1 (331-023-WL065)	91

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)
LCS 570-806448/2-A	Lab Control Sample	92
LCSD 570-806448/3-A	Lab Control Sample Dup	97
MB 570-806448/1-A	Method Blank	87
MRL 570-806448/4-A	Lab Control Sample	89

Surrogate Legend

OTCSN = n-Octacosane (Surr)

QC Sample Results

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

Job ID: 380-237858-1
SDG: Weekly: Halawa Wells P1 (MS/MSD)

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

Lab Sample ID: MB 380-254467/21-A

Matrix: Water

Analysis Batch: 254787

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 254467

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.098		0.098	ug/L		09/24/26 09:37	09/25/26 12:51	1
2,4'-DDD	<0.098		0.098	ug/L		09/24/26 09:37	09/25/26 12:51	1
2,4'-DDE	<0.098		0.098	ug/L		09/24/26 09:37	09/25/26 12:51	1
2,4'-DDT	<0.098		0.098	ug/L		09/24/26 09:37	09/25/26 12:51	1
2,4-Dinitrotoluene	<0.098		0.098	ug/L		09/24/26 09:37	09/25/26 12:51	1
2,6-Dinitrotoluene	<0.098		0.098	ug/L		09/24/26 09:37	09/25/26 12:51	1
2-Methylnaphthalene	<0.098		0.098	ug/L		09/24/26 09:37	09/25/26 12:51	1
4,4'-DDD	<0.098		0.098	ug/L		09/24/26 09:37	09/25/26 12:51	1
4,4'-DDE	<0.098		0.098	ug/L		09/24/26 09:37	09/25/26 12:51	1
4,4'-DDT	<0.098		0.098	ug/L		09/24/26 09:37	09/25/26 12:51	1
Acenaphthene	<0.098		0.098	ug/L		09/24/26 09:37	09/25/26 12:51	1
Acenaphthylene	<0.098		0.098	ug/L		09/24/26 09:37	09/25/26 12:51	1
Acetochlor	<0.098		0.098	ug/L		09/24/26 09:37	09/25/26 12:51	1
Alachlor	<0.049		0.049	ug/L		09/24/26 09:37	09/25/26 12:51	1
alpha-BHC	<0.098		0.098	ug/L		09/24/26 09:37	09/25/26 12:51	1
alpha-Chlordane	<0.049		0.049	ug/L		09/24/26 09:37	09/25/26 12:51	1
Anthracene	<0.020		0.020	ug/L		09/24/26 09:37	09/25/26 12:51	1
Atrazine	<0.049		0.049	ug/L		09/24/26 09:37	09/25/26 12:51	1
Benz(a)anthracene	<0.049		0.049	ug/L		09/24/26 09:37	09/25/26 12:51	1
Benzo[a]pyrene	<0.020		0.020	ug/L		09/24/26 09:37	09/25/26 12:51	1
Benzo[b]fluoranthene	<0.020		0.020	ug/L		09/24/26 09:37	09/25/26 12:51	1
Benzo[g,h,i]perylene	<0.049		0.049	ug/L		09/24/26 09:37	09/25/26 12:51	1
Benzo[k]fluoranthene	<0.020		0.020	ug/L		09/24/26 09:37	09/25/26 12:51	1
beta-BHC	<0.098		0.098	ug/L		09/24/26 09:37	09/25/26 12:51	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59	ug/L		09/24/26 09:37	09/25/26 12:51	1
Bromacil	<0.098		0.098	ug/L		09/24/26 09:37	09/25/26 12:51	1
Butachlor	<0.049		0.049	ug/L		09/24/26 09:37	09/25/26 12:51	1
Butylbenzylphthalate	<0.49		0.49	ug/L		09/24/26 09:37	09/25/26 12:51	1
Chlorobenzilate	<0.098		0.098	ug/L		09/24/26 09:37	09/25/26 12:51	1
Chloroneb	<0.098		0.098	ug/L		09/24/26 09:37	09/25/26 12:51	1
Chlorothalonil (Draconil, Bravo)	<0.098		0.098	ug/L		09/24/26 09:37	09/25/26 12:51	1
Chlorpyrifos	<0.049		0.049	ug/L		09/24/26 09:37	09/25/26 12:51	1
Chrysene	<0.020		0.020	ug/L		09/24/26 09:37	09/25/26 12:51	1
delta-BHC	<0.098		0.098	ug/L		09/24/26 09:37	09/25/26 12:51	1
Di(2-ethylhexyl)adipate	<0.59		0.59	ug/L		09/24/26 09:37	09/25/26 12:51	1
Dibenz(a,h)anthracene	<0.049		0.049	ug/L		09/24/26 09:37	09/25/26 12:51	1
Diclorvos (DDVP)	<0.049		0.049	ug/L		09/24/26 09:37	09/25/26 12:51	1
Dieldrin	<0.0098		0.0098	ug/L		09/24/26 09:37	09/25/26 12:51	1
Diethylphthalate	<0.49		0.49	ug/L		09/24/26 09:37	09/25/26 12:51	1
Dimethylphthalate	<0.49		0.49	ug/L		09/24/26 09:37	09/25/26 12:51	1
Di-n-butyl phthalate	<0.98		0.98	ug/L		09/24/26 09:37	09/25/26 12:51	1
Di-n-octyl phthalate	<0.098		0.098	ug/L		09/24/26 09:37	09/25/26 12:51	1
Endosulfan I (Alpha)	<0.098		0.098	ug/L		09/24/26 09:37	09/25/26 12:51	1
Endosulfan II (Beta)	<0.098		0.098	ug/L		09/24/26 09:37	09/25/26 12:51	1
Endosulfan sulfate	<0.098		0.098	ug/L		09/24/26 09:37	09/25/26 12:51	1
Endrin	<0.0098		0.0098	ug/L		09/24/26 09:37	09/25/26 12:51	1
Endrin aldehyde	<0.098		0.098	ug/L		09/24/26 09:37	09/25/26 12:51	1
EPTC	<0.098		0.098	ug/L		09/24/26 09:37	09/25/26 12:51	1

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QC Sample Results

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

Job ID: 380-237858-1
SDG: Weekly: Halawa Wells P1 (MS/MSD)

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

Lab Sample ID: MB 380-254467/21-A

Matrix: Water

Analysis Batch: 254787

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 254467

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	<0.098		0.098	ug/L		09/24/26 09:37	09/25/26 12:51	1
Fluorene	<0.049		0.049	ug/L		09/24/26 09:37	09/25/26 12:51	1
gamma-Chlordane	<0.049		0.049	ug/L		09/24/26 09:37	09/25/26 12:51	1
Heptachlor	<0.0098		0.0098	ug/L		09/24/26 09:37	09/25/26 12:51	1
Heptachlor epoxide (isomer B)	<0.0098		0.0098	ug/L		09/24/26 09:37	09/25/26 12:51	1
Hexachlorobenzene	<0.049		0.049	ug/L		09/24/26 09:37	09/25/26 12:51	1
Hexachlorocyclopentadiene	<0.049		0.049	ug/L		09/24/26 09:37	09/25/26 12:51	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049	ug/L		09/24/26 09:37	09/25/26 12:51	1
Isophorone	<0.098		0.098	ug/L		09/24/26 09:37	09/25/26 12:51	1
Lindane	<0.0098		0.0098	ug/L		09/24/26 09:37	09/25/26 12:51	1
Malathion	<0.098		0.098	ug/L		09/24/26 09:37	09/25/26 12:51	1
Methoxychlor	<0.049		0.049	ug/L		09/24/26 09:37	09/25/26 12:51	1
Metolachlor	<0.049		0.049	ug/L		09/24/26 09:37	09/25/26 12:51	1
Molinate	<0.098		0.098	ug/L		09/24/26 09:37	09/25/26 12:51	1
Naphthalene	<0.098		0.098	ug/L		09/24/26 09:37	09/25/26 12:51	1
Parathion	<0.098		0.098	ug/L		09/24/26 09:37	09/25/26 12:51	1
Pendimethalin (Penoxaline)	<0.098		0.098	ug/L		09/24/26 09:37	09/25/26 12:51	1
Phenanthrene	<0.039		0.039	ug/L		09/24/26 09:37	09/25/26 12:51	1
Propachlor	<0.049		0.049	ug/L		09/24/26 09:37	09/25/26 12:51	1
Pyrene	<0.049		0.049	ug/L		09/24/26 09:37	09/25/26 12:51	1
Simazine	<0.049		0.049	ug/L		09/24/26 09:37	09/25/26 12:51	1
Terbacil	<0.098		0.098	ug/L		09/24/26 09:37	09/25/26 12:51	1
Terbutylazine	<0.098		0.098	ug/L		09/24/26 09:37	09/25/26 12:51	1
Thiobencarb	<0.098		0.098	ug/L		09/24/26 09:37	09/25/26 12:51	1
Total Permethrin (mixed isomers)	<0.20		0.20	ug/L		09/24/26 09:37	09/25/26 12:51	1
trans-Nonachlor	<0.049		0.049	ug/L		09/24/26 09:37	09/25/26 12:51	1
Trifluralin	<0.098		0.098	ug/L		09/24/26 09:37	09/25/26 12:51	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Cyclopentene, 1,2,3,4,5-pentamethyl-	0.794	T J N	ug/L		2.62	1000154-28-6	09/24/26 09:37	09/25/26 12:51	1
Undecane	5.17	T J N	ug/L		3.22	1120-21-4	09/24/26 09:37	09/25/26 12:51	1
Cyclopentasiloxane, decamethyl-	0.691	T J N	ug/L		3.35	541-02-6	09/24/26 09:37	09/25/26 12:51	1
Unknown	0.944	T J	ug/L		3.98	N/A	09/24/26 09:37	09/25/26 12:51	1
Unknown	0.538	T J	ug/L		4.63	N/A	09/24/26 09:37	09/25/26 12:51	1
9-Octadecenamide, (Z)-	0.787	T J N	ug/L		8.10	301-02-0	09/24/26 09:37	09/25/26 12:51	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	95		70 - 130	09/24/26 09:37	09/25/26 12:51	1
Perylene-d12	85		70 - 130	09/24/26 09:37	09/25/26 12:51	1
Triphenylphosphate	95		70 - 130	09/24/26 09:37	09/25/26 12:51	1

Lab Sample ID: LCS 380-254467/23-A

Matrix: Water

Analysis Batch: 254787

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 254467

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	2.00	2.14		ug/L		107	70 - 130

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QC Sample Results

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

Job ID: 380-237858-1
SDG: Weekly: Halawa Wells P1 (MS/MSD)

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

Lab Sample ID: LCS 380-254467/23-A

Matrix: Water

Analysis Batch: 254787

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 254467

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4'-DDD	2.00	2.20		ug/L		110	70 - 130
2,4'-DDE	2.00	2.28		ug/L		114	70 - 130
2,4'-DDT	2.00	2.33		ug/L		117	70 - 130
2,4-Dinitrotoluene	2.00	2.17		ug/L		109	70 - 130
2,6-Dinitrotoluene	2.00	2.17		ug/L		109	70 - 130
2-Methylnaphthalene	2.00	2.10		ug/L		105	70 - 130
4,4'-DDD	2.00	2.40		ug/L		120	70 - 130
4,4'-DDE	2.00	2.29		ug/L		115	70 - 130
4,4'-DDT	2.00	2.34		ug/L		117	70 - 130
Acenaphthene	2.00	2.16		ug/L		108	70 - 130
Acenaphthylene	2.00	2.10		ug/L		105	70 - 130
Acetochlor	2.00	2.26		ug/L		113	70 - 130
Alachlor	2.00	2.41		ug/L		121	70 - 130
alpha-BHC	2.00	2.38		ug/L		119	70 - 130
alpha-Chlordane	2.00	2.23		ug/L		112	70 - 130
Anthracene	2.00	2.11		ug/L		106	70 - 130
Atrazine	2.00	2.31		ug/L		116	70 - 130
Benz(a)anthracene	2.00	2.20		ug/L		110	70 - 130
Benzo[a]pyrene	2.00	2.15		ug/L		108	70 - 130
Benzo[b]fluoranthene	2.00	2.16		ug/L		108	70 - 130
Benzo[g,h,i]perylene	2.00	2.08		ug/L		104	70 - 130
Benzo[k]fluoranthene	2.00	2.20		ug/L		110	70 - 130
beta-BHC	2.00	2.32		ug/L		116	70 - 130
Bis(2-ethylhexyl) phthalate	2.00	2.12		ug/L		106	70 - 130
Bromacil	2.00	2.18		ug/L		109	70 - 130
Butachlor	2.00	2.40		ug/L		120	70 - 130
Butylbenzylphthalate	2.00	2.39		ug/L		120	70 - 130
Chlorobenzilate	2.00	2.27		ug/L		114	70 - 130
Chloroneb	2.00	2.32		ug/L		116	70 - 130
Chlorothalonil (Draconil, Bravo)	2.00	2.51		ug/L		126	70 - 130
Chlorpyrifos	2.00	2.23		ug/L		112	70 - 130
Chrysene	2.00	2.30		ug/L		115	70 - 130
delta-BHC	2.00	2.54		ug/L		127	70 - 130
Di(2-ethylhexyl)adipate	2.00	2.35		ug/L		118	70 - 130
Dibenz(a,h)anthracene	2.00	2.09		ug/L		105	70 - 130
Diclorvos (DDVP)	2.00	2.11		ug/L		106	70 - 130
Dieldrin	2.00	2.21		ug/L		111	70 - 130
Diethylphthalate	2.00	2.33		ug/L		117	70 - 130
Dimethylphthalate	2.00	2.35		ug/L		118	70 - 130
Di-n-butyl phthalate	3.99	4.63		ug/L		116	70 - 130
Di-n-octyl phthalate	2.00	2.11		ug/L		106	70 - 130
Endosulfan I (Alpha)	2.00	2.25		ug/L		113	70 - 130
Endosulfan II (Beta)	2.00	2.25		ug/L		113	70 - 130
Endosulfan sulfate	2.00	2.29		ug/L		115	70 - 130
Endrin	2.00	2.24		ug/L		112	70 - 130
Endrin aldehyde	2.00	2.31		ug/L		116	60 - 130
EPTC	2.00	2.15		ug/L		108	70 - 130
Fluoranthene	2.00	2.28		ug/L		114	70 - 130
Fluorene	2.00	2.30		ug/L		115	70 - 130

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QC Sample Results

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

Job ID: 380-237858-1
SDG: Weekly: Halawa Wells P1 (MS/MSD)

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

Lab Sample ID: LCS 380-254467/23-A

Matrix: Water

Analysis Batch: 254787

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 254467

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
gamma-Chlordane	2.00	2.30		ug/L		116	70 - 130
Heptachlor	2.00	2.14		ug/L		108	70 - 130
Heptachlor epoxide (isomer B)	2.00	2.27		ug/L		114	70 - 130
Hexachlorobenzene	2.00	2.17		ug/L		109	70 - 130
Hexachlorocyclopentadiene	2.00	1.97		ug/L		99	70 - 130
Indeno[1,2,3-cd]pyrene	2.00	2.04		ug/L		102	70 - 130
Isophorone	2.00	2.10		ug/L		105	70 - 130
Lindane	2.00	2.30		ug/L		115	70 - 130
Malathion	2.00	2.36		ug/L		118	70 - 130
Methoxychlor	2.00	2.25		ug/L		113	70 - 130
Metolachlor	2.00	2.37		ug/L		119	70 - 130
Molinate	2.00	2.22		ug/L		111	70 - 130
Naphthalene	2.00	1.94		ug/L		97	70 - 130
Parathion	2.00	2.16		ug/L		108	70 - 130
Pendimethalin (Penoxaline)	2.00	2.14		ug/L		107	70 - 130
Phenanthrene	2.00	2.21		ug/L		111	70 - 130
Propachlor	2.00	2.34		ug/L		117	70 - 130
Pyrene	2.00	2.30		ug/L		115	70 - 130
Simazine	2.00	2.27		ug/L		114	70 - 130
Terbacil	2.00	2.16		ug/L		108	70 - 130
Terbutylazine	2.00	2.32		ug/L		116	70 - 130
Thiobencarb	2.00	2.34		ug/L		117	70 - 130
trans-Nonachlor	2.00	2.20		ug/L		110	70 - 130
Trifluralin	2.00	2.08		ug/L		104	70 - 130

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

Lab Sample ID: MRL 380-254467/22-A

Matrix: Water

Analysis Batch: 254787

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 254467

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	0.0993	0.0840	J	ug/L		85	50 - 150
2,4'-DDD	0.0993	0.102		ug/L		103	50 - 150
2,4'-DDE	0.0993	0.116		ug/L		117	50 - 150
2,4'-DDT	0.0993	0.121		ug/L		122	50 - 150
2,4-Dinitrotoluene	0.0993	0.107		ug/L		108	50 - 150
2,6-Dinitrotoluene	0.0993	0.104		ug/L		104	50 - 150
2-Methylnaphthalene	0.0993	0.0822	J	ug/L		83	50 - 150
4,4'-DDD	0.0993	0.122		ug/L		123	50 - 150
4,4'-DDE	0.0993	0.107		ug/L		108	50 - 150
4,4'-DDT	0.0993	0.125		ug/L		126	50 - 150
Acenaphthene	0.0993	0.0929	J	ug/L		94	50 - 150
Acenaphthylene	0.0993	0.0870	J	ug/L		88	50 - 150
Acetochlor	0.0993	0.106		ug/L		106	50 - 150

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QC Sample Results

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

Job ID: 380-237858-1
SDG: Weekly: Halawa Wells P1 (MS/MSD)

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

Lab Sample ID: MRL 380-254467/22-A

Matrix: Water

Analysis Batch: 254787

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 254467

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Alachlor	0.0497	0.0575		ug/L		116	50 - 150
alpha-BHC	0.0993	0.117		ug/L		118	50 - 150
alpha-Chlordane	0.0248	<0.029		ug/L		115	50 - 150
Anthracene	0.0199	0.0194	J	ug/L		98	50 - 150
Atrazine	0.0497	0.0679		ug/L		137	50 - 150
Benz(a)anthracene	0.0497	0.0565		ug/L		114	50 - 150
Benzo[a]pyrene	0.0199	0.0196	J	ug/L		99	50 - 150
Benzo[b]fluoranthene	0.0199	0.0194	J	ug/L		98	50 - 150
Benzo[g,h,i]perylene	0.0497	0.0545		ug/L		110	50 - 150
Benzo[k]fluoranthene	0.0199	0.0239		ug/L		120	50 - 150
beta-BHC	0.0993	0.129		ug/L		129	50 - 150
Bis(2-ethylhexyl) phthalate	0.596	0.633		ug/L		106	50 - 150
Bromacil	0.0993	0.108		ug/L		109	50 - 150
Butachlor	0.0497	0.0547		ug/L		110	50 - 150
Butylbenzylphthalate	0.497	0.636		ug/L		128	50 - 150
Chlorobenzilate	0.0993	0.102		ug/L		103	50 - 150
Chloroneb	0.0993	0.108		ug/L		109	50 - 150
Chlorothalonil (Draconil, Bravo)	0.0993	0.133		ug/L		134	50 - 150
Chlorpyrifos	0.0497	0.0596		ug/L		120	50 - 150
Chrysene	0.0199	0.0275		ug/L		138	50 - 150
delta-BHC	0.0993	0.122		ug/L		123	50 - 150
Di(2-ethylhexyl)adipate	0.596	0.747		ug/L		125	50 - 150
Dibenz(a,h)anthracene	0.0497	0.0507		ug/L		102	50 - 150
Diclorvos (DDVP)	0.0497	0.0530		ug/L		107	50 - 150
Dieldrin	0.00993	0.0115		ug/L		116	50 - 150
Diethylphthalate	0.497	0.631		ug/L		127	50 - 150
Dimethylphthalate	0.497	0.601		ug/L		121	50 - 150
Di-n-butyl phthalate	0.497	0.634	J	ug/L		128	49 - 243
Di-n-octyl phthalate	0.0993	0.0752	J	ug/L		76	50 - 150
Endosulfan I (Alpha)	0.0993	0.104		ug/L		105	50 - 150
Endosulfan II (Beta)	0.0993	0.104		ug/L		105	50 - 150
Endosulfan sulfate	0.0993	0.129		ug/L		130	50 - 150
Endrin	0.00993	0.0117		ug/L		118	50 - 150
Endrin aldehyde	0.0993	0.0905	J	ug/L		91	50 - 150
EPTC	0.0993	0.102		ug/L		102	50 - 150
Fluoranthene	0.0993	0.118		ug/L		119	50 - 150
Fluorene	0.0497	0.0503		ug/L		101	50 - 150
gamma-Chlordane	0.0248	0.0282	J	ug/L		114	50 - 150
Heptachlor	0.00993	0.0120		ug/L		120	50 - 150
Heptachlor epoxide (isomer B)	0.00993	0.0108		ug/L		109	50 - 150
Hexachlorobenzene	0.0497	0.0477	J	ug/L		96	50 - 150
Hexachlorocyclopentadiene	0.0497	<0.038		ug/L		68	50 - 150
Indeno[1,2,3-cd]pyrene	0.0497	0.0517		ug/L		104	50 - 150
Isophorone	0.0993	0.0969	J	ug/L		98	50 - 150
Lindane	0.00993	0.0109		ug/L		110	50 - 150
Malathion	0.0993	0.100		ug/L		101	50 - 150
Methoxychlor	0.0497	0.0539		ug/L		109	50 - 150
Metolachlor	0.0497	0.0558		ug/L		112	50 - 150
Molinate	0.0993	0.113		ug/L		113	50 - 150

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QC Sample Results

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

Job ID: 380-237858-1
SDG: Weekly: Halawa Wells P1 (MS/MSD)

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

Lab Sample ID: MRL 380-254467/22-A

Matrix: Water

Analysis Batch: 254787

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 254467

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Naphthalene	0.0993	0.0810	J	ug/L		82	50 - 150
Parathion	0.0993	0.0978	J	ug/L		99	50 - 150
Pendimethalin (Penoxaline)	0.0993	0.0998		ug/L		101	50 - 150
Phenanthrene	0.0397	0.0449		ug/L		113	50 - 150
Propachlor	0.0497	0.0547		ug/L		110	50 - 150
Pyrene	0.0497	0.0582		ug/L		117	50 - 150
Simazine	0.0497	0.0576		ug/L		116	50 - 150
Terbacil	0.0993	0.0979	J	ug/L		99	50 - 150
Terbutylazine	0.0993	0.126		ug/L		127	50 - 150
Thiobencarb	0.0993	0.118		ug/L		119	50 - 150
trans-Nonachlor	0.0248	0.0292	J	ug/L		118	50 - 150
Trifluralin	0.0993	0.103		ug/L		104	50 - 150

Surrogate	MRL %Recovery	MRL Qualifier	Limits
2-Nitro-m-xylene	94		70 - 130
Perylene-d12	85		70 - 130
Triphenylphosphate	100		70 - 130

Lab Sample ID: 380-237556-AC-1-A MS

Matrix: Water

Analysis Batch: 254787

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 254467

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.10		1.99	2.25		ug/L		113	70 - 130
2,4'-DDD	<0.10		1.99	2.18		ug/L		110	70 - 130
2,4'-DDE	<0.10		1.99	2.24		ug/L		113	70 - 130
2,4'-DDT	<0.10		1.99	2.26		ug/L		113	70 - 130
2,4-Dinitrotoluene	<0.10		1.99	2.26		ug/L		113	70 - 130
2,6-Dinitrotoluene	<0.10		1.99	2.23		ug/L		112	70 - 130
2-Methylnaphthalene	<0.10		1.99	2.21		ug/L		111	70 - 130
4,4'-DDD	<0.10		1.99	2.38		ug/L		120	70 - 130
4,4'-DDE	<0.10		1.99	2.29		ug/L		115	70 - 130
4,4'-DDT	<0.10		1.99	2.27		ug/L		114	70 - 130
Acenaphthene	<0.10		1.99	2.24		ug/L		112	70 - 130
Acenaphthylene	<0.10		1.99	2.18		ug/L		110	70 - 130
Acetochlor	<0.10		1.99	2.32		ug/L		116	70 - 130
Alachlor	<0.051		1.99	2.45		ug/L		123	70 - 130
alpha-BHC	<0.10		1.99	2.37		ug/L		119	70 - 130
alpha-Chlordane	<0.051		1.99	2.26		ug/L		114	70 - 130
Anthracene	<0.020		1.99	2.00		ug/L		100	70 - 130
Atrazine	<0.051		1.99	2.40		ug/L		121	70 - 130
Benz(a)anthracene	<0.051		1.99	2.16		ug/L		108	70 - 130
Benzo[a]pyrene	<0.020		1.99	2.46		ug/L		123	70 - 130
Benzo[b]fluoranthene	<0.020		1.99	2.55		ug/L		128	70 - 130
Benzo[g,h,i]perylene	<0.051		1.99	2.24		ug/L		113	70 - 130
Benzo[k]fluoranthene	<0.020	F1	1.99	2.62	F1	ug/L		131	70 - 130
beta-BHC	<0.10		1.99	2.36		ug/L		119	70 - 130
Bis(2-ethylhexyl) phthalate	<0.61		1.99	2.43		ug/L		122	70 - 130

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QC Sample Results

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

Job ID: 380-237858-1
SDG: Weekly: Halawa Wells P1 (MS/MSD)

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

Lab Sample ID: 380-237556-AC-1-A MS

Matrix: Water

Analysis Batch: 254787

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 254467

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Bromacil	<0.10		1.99	2.13		ug/L		107	70 - 130
Butachlor	<0.051		1.99	2.42		ug/L		121	70 - 130
Butylbenzylphthalate	<0.51		1.99	2.36		ug/L		119	70 - 130
Chlorobenzilate	<0.10		1.99	2.31		ug/L		116	70 - 130
Chloroneb	<0.10		1.99	2.34		ug/L		117	70 - 130
Chlorothalonil (Draconil, Bravo)	<0.10		1.99	2.47		ug/L		124	70 - 130
Chlorpyrifos	<0.051		1.99	2.19		ug/L		110	70 - 130
Chrysene	<0.020	F1	1.99	2.71	F1	ug/L		136	70 - 130
delta-BHC	<0.10		1.99	2.52		ug/L		126	70 - 130
Di(2-ethylhexyl)adipate	<0.61		1.99	2.28		ug/L		115	70 - 130
Dibenz(a,h)anthracene	<0.051		1.99	2.36		ug/L		119	70 - 130
Diclorvos (DDVP)	<0.051		1.99	2.10		ug/L		105	70 - 130
Dieldrin	<0.010		1.99	2.27		ug/L		114	70 - 130
Diethylphthalate	<0.51		1.99	2.37		ug/L		119	70 - 130
Dimethylphthalate	<0.51		1.99	2.35		ug/L		118	70 - 130
Di-n-butyl phthalate	<1.0		3.98	4.67		ug/L		117	70 - 130
Di-n-octyl phthalate	<0.10		1.99	2.38		ug/L		120	70 - 130
Endosulfan I (Alpha)	<0.10		1.99	2.23		ug/L		112	70 - 130
Endosulfan II (Beta)	<0.10		1.99	2.23		ug/L		112	70 - 130
Endosulfan sulfate	<0.10		1.99	2.24		ug/L		113	70 - 130
Endrin	<0.010		1.99	2.23		ug/L		112	70 - 130
Endrin aldehyde	<0.10		1.99	1.81		ug/L		91	60 - 130
EPTC	<0.10		1.99	2.22		ug/L		112	70 - 130
Fluoranthene	<0.10		1.99	2.30		ug/L		115	70 - 130
Fluorene	<0.051		1.99	2.34		ug/L		118	70 - 130
gamma-Chlordane	<0.051		1.99	2.33		ug/L		117	70 - 130
Heptachlor	<0.010		1.99	2.17		ug/L		109	70 - 130
Heptachlor epoxide (isomer B)	<0.010		1.99	2.32		ug/L		116	70 - 130
Hexachlorobenzene	<0.051		1.99	2.19		ug/L		110	70 - 130
Hexachlorocyclopentadiene	<0.051		1.99	2.04		ug/L		102	70 - 130
Indeno[1,2,3-cd]pyrene	<0.051		1.99	2.31		ug/L		116	70 - 130
Isophorone	<0.10		1.99	2.14		ug/L		107	70 - 130
Lindane	<0.010		1.99	2.34		ug/L		118	70 - 130
Malathion	<0.10		1.99	2.32		ug/L		116	70 - 130
Methoxychlor	<0.051	F1	1.99	2.64	F1	ug/L		133	70 - 130
Metolachlor	<0.051		1.99	2.38		ug/L		120	70 - 130
Molinate	<0.10		1.99	2.28		ug/L		115	70 - 130
Naphthalene	<0.10		1.99	2.06		ug/L		103	70 - 130
Parathion	<0.10		1.99	2.16		ug/L		109	70 - 130
Pendimethalin (Penoxaline)	<0.10		1.99	2.21		ug/L		111	70 - 130
Phenanthrene	<0.041		1.99	2.23		ug/L		112	70 - 130
Propachlor	<0.051		1.99	2.36		ug/L		119	70 - 130
Pyrene	<0.051		1.99	2.28		ug/L		115	70 - 130
Simazine	<0.051		1.99	2.29		ug/L		115	70 - 130
Terbacil	<0.10		1.99	2.14		ug/L		107	70 - 130
Terbutylazine	<0.10		1.99	2.35		ug/L		118	70 - 130
Thiobencarb	<0.10		1.99	2.35		ug/L		118	70 - 130
trans-Nonachlor	<0.051		1.99	2.23		ug/L		112	70 - 130
Trifluralin	<0.10		1.99	2.18		ug/L		109	70 - 130

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QC Sample Results

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

Job ID: 380-237858-1
SDG: Weekly: Halawa Wells P1 (MS/MSD)

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

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Nitro-m-xylene	95		70 - 130
Perylene-d12	94		70 - 130
Triphenylphosphate	101		70 - 130

Lab Sample ID: 380-237611-U-1-A DU
Matrix: Water
Analysis Batch: 254787

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 254467

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
1-Methylnaphthalene	<0.097		<0.097		ug/L		NC	20
2,4'-DDD	<0.097		<0.097		ug/L		NC	20
2,4'-DDE	<0.097		<0.097		ug/L		NC	20
2,4'-DDT	<0.097		<0.097		ug/L		NC	20
2,4-Dinitrotoluene	<0.097		<0.097		ug/L		NC	20
2,6-Dinitrotoluene	<0.097		<0.097		ug/L		NC	20
2-Methylnaphthalene	<0.097		<0.097		ug/L		NC	20
4,4'-DDD	<0.097		<0.097		ug/L		NC	20
4,4'-DDE	<0.097		<0.097		ug/L		NC	20
4,4'-DDT	<0.097		<0.097		ug/L		NC	20
Acenaphthene	<0.097		<0.097		ug/L		NC	20
Acenaphthylene	<0.097		<0.097		ug/L		NC	20
Acetochlor	<0.097		<0.097		ug/L		NC	20
Alachlor	<0.048		<0.049		ug/L		NC	20
alpha-BHC	<0.097		<0.097		ug/L		NC	20
alpha-Chlordane	<0.048		<0.049		ug/L		NC	20
Anthracene	<0.019		<0.019		ug/L		NC	20
Atrazine	<0.048		<0.049		ug/L		NC	20
Benz(a)anthracene	<0.048		<0.049		ug/L		NC	20
Benzo[a]pyrene	<0.019		<0.019		ug/L		NC	20
Benzo[b]fluoranthene	<0.019		<0.019		ug/L		NC	20
Benzo[g,h,i]perylene	<0.048		<0.049		ug/L		NC	20
Benzo[k]fluoranthene	<0.019		<0.019		ug/L		NC	20
beta-BHC	<0.097		<0.097		ug/L		NC	20
Bis(2-ethylhexyl) phthalate	<0.58		<0.58		ug/L		NC	20
Bromacil	<0.097		<0.097		ug/L		NC	20
Butachlor	<0.048		<0.049		ug/L		NC	20
Butylbenzylphthalate	<0.48		<0.49		ug/L		NC	20
Chlorobenzilate	<0.097		<0.097		ug/L		NC	20
Chloroneb	<0.097		<0.097		ug/L		NC	20
Chlorothalonil (Draconil, Bravo)	<0.097		<0.097		ug/L		NC	20
Chlorpyrifos	<0.048		<0.049		ug/L		NC	20
Chrysene	<0.019		<0.019		ug/L		NC	20
delta-BHC	<0.097		<0.097		ug/L		NC	20
Di(2-ethylhexyl)adipate	<0.58		<0.58		ug/L		NC	20
Dibenz(a,h)anthracene	<0.048		<0.049		ug/L		NC	20
Diclorvos (DDVP)	<0.048		<0.049		ug/L		NC	20
Dieldrin	<0.0097		<0.0097		ug/L		NC	20
Diethylphthalate	<0.48		<0.49		ug/L		NC	20
Dimethylphthalate	<0.48		<0.49		ug/L		NC	20
Di-n-butyl phthalate	<0.97		<0.97		ug/L		NC	20
Di-n-octyl phthalate	<0.097		<0.097		ug/L		NC	20

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QC Sample Results

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

Job ID: 380-237858-1
SDG: Weekly: Halawa Wells P1 (MS/MSD)

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

Lab Sample ID: 380-237611-U-1-A DU

Matrix: Water

Analysis Batch: 254787

Client Sample ID: Duplicate

Prep Type: Total/NA

Prep Batch: 254467

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Endosulfan I (Alpha)	<0.097		<0.097		ug/L		NC	20
Endosulfan II (Beta)	<0.097		<0.097		ug/L		NC	20
Endosulfan sulfate	<0.097		<0.097		ug/L		NC	20
Endrin	<0.0097		<0.0097		ug/L		NC	20
Endrin aldehyde	<0.097		<0.097		ug/L		NC	20
EPTC	<0.097		<0.097		ug/L		NC	20
Fluoranthene	<0.097		<0.097		ug/L		NC	20
Fluorene	<0.048		<0.049		ug/L		NC	20
gamma-Chlordane	<0.048		<0.049		ug/L		NC	20
Heptachlor	<0.0097		<0.0097		ug/L		NC	20
Heptachlor epoxide (isomer B)	<0.0097		<0.0097		ug/L		NC	20
Hexachlorobenzene	<0.048		<0.049		ug/L		NC	20
Hexachlorocyclopentadiene	<0.048		<0.049		ug/L		NC	20
Indeno[1,2,3-cd]pyrene	<0.048		<0.049		ug/L		NC	20
Isophorone	<0.097		<0.097		ug/L		NC	20
Lindane	<0.0097		<0.0097		ug/L		NC	20
Malathion	<0.097		<0.097		ug/L		NC	20
Methoxychlor	<0.048		<0.049		ug/L		NC	20
Metolachlor	<0.048		<0.049		ug/L		NC	20
Molinate	<0.097		<0.097		ug/L		NC	20
Naphthalene	<0.097		<0.097		ug/L		NC	20
Parathion	<0.097		<0.097		ug/L		NC	20
Pendimethalin (Penoxaline)	<0.097		<0.097		ug/L		NC	20
Phenanthrene	<0.039		<0.039		ug/L		NC	20
Propachlor	<0.048		<0.049		ug/L		NC	20
Pyrene	<0.048		<0.049		ug/L		NC	20
Simazine	<0.048		<0.049		ug/L		NC	20
Terbacil	<0.097		<0.097		ug/L		NC	20
Terbutylazine	<0.097		<0.097		ug/L		NC	20
Thiobencarb	<0.097		<0.097		ug/L		NC	20
Total Permethrin (mixed isomers)	<0.19		<0.19		ug/L		NC	20
trans-Nonachlor	<0.048		<0.049		ug/L		NC	20
Trifluralin	<0.097		<0.097		ug/L		NC	20

Surrogate	DU %Recovery	DU Qualifier	Limits
2-Nitro-m-xylene	95		70 - 130
Perylene-d12	90		70 - 130
Triphenylphosphate	100		70 - 130

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

Lab Sample ID: MB 570-806145/1-A

Matrix: Water

Analysis Batch: 807530

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 806145

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	09/26/26 07:58	09/29/26 14:50	1

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QC Sample Results

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

Job ID: 380-237858-1
SDG: Weekly: Halawa Wells P1 (MS/MSD)

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

Lab Sample ID: MB 570-806145/1-A
Matrix: Water
Analysis Batch: 807530

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 806145

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	69		33 - 139	09/26/26 07:58	09/29/26 14:50	1
2-Fluorobiphenyl (Surr)	89		33 - 126	09/26/26 07:58	09/29/26 14:50	1
2-Fluorophenol (Surr)	45		12 - 120	09/26/26 07:58	09/29/26 14:50	1
Nitrobenzene-d5 (Surr)	84		36 - 120	09/26/26 07:58	09/29/26 14:50	1
Phenol-d6 (Surr)	18		10 - 120	09/26/26 07:58	09/29/26 14:50	1
p-Terphenyl-d14 (Surr)	91		47 - 131	09/26/26 07:58	09/29/26 14:50	1

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

Lab Sample ID: MB 570-806145/1-A
Matrix: Water
Analysis Batch: 806634

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 806145

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.20		0.20	ug/L		09/26/26 07:58	09/28/26 08:57	1
2-Methylnaphthalene	<0.20		0.20	ug/L		09/26/26 07:58	09/28/26 08:57	1
Acenaphthene	<0.20		0.20	ug/L		09/26/26 07:58	09/28/26 08:57	1
Acenaphthylene	<0.20		0.20	ug/L		09/26/26 07:58	09/28/26 08:57	1
Anthracene	<0.20		0.20	ug/L		09/26/26 07:58	09/28/26 08:57	1
Benzo[a]anthracene	<0.20		0.20	ug/L		09/26/26 07:58	09/28/26 08:57	1
Benzo[a]pyrene	<0.20		0.20	ug/L		09/26/26 07:58	09/28/26 08:57	1
Benzo[b]fluoranthene	<0.20		0.20	ug/L		09/26/26 07:58	09/28/26 08:57	1
Benzo[g,h,i]perylene	<0.20		0.20	ug/L		09/26/26 07:58	09/28/26 08:57	1
Benzo[k]fluoranthene	<0.20		0.20	ug/L		09/26/26 07:58	09/28/26 08:57	1
Chrysene	<0.20		0.20	ug/L		09/26/26 07:58	09/28/26 08:57	1
Dibenz(a,h)anthracene	<0.20		0.20	ug/L		09/26/26 07:58	09/28/26 08:57	1
Fluoranthene	<0.20		0.20	ug/L		09/26/26 07:58	09/28/26 08:57	1
Fluorene	<0.20		0.20	ug/L		09/26/26 07:58	09/28/26 08:57	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20	ug/L		09/26/26 07:58	09/28/26 08:57	1
Naphthalene	<0.20		0.20	ug/L		09/26/26 07:58	09/28/26 08:57	1
Phenanthrene	<0.20		0.20	ug/L		09/26/26 07:58	09/28/26 08:57	1
Pyrene	<0.20		0.20	ug/L		09/26/26 07:58	09/28/26 08:57	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	87		28 - 127	09/26/26 07:58	09/28/26 08:57	1
2-Fluorobiphenyl (Surr)	75		31 - 120	09/26/26 07:58	09/28/26 08:57	1
2-Fluorophenol (Surr)	52		17 - 120	09/26/26 07:58	09/28/26 08:57	1
Nitrobenzene-d5 (Surr)	83		27 - 120	09/26/26 07:58	09/28/26 08:57	1
Phenol-d6 (Surr)	34		10 - 120	09/26/26 07:58	09/28/26 08:57	1
p-Terphenyl-d14 (Surr)	72		45 - 120	09/26/26 07:58	09/28/26 08:57	1

Lab Sample ID: LCS 570-806145/2-A
Matrix: Water
Analysis Batch: 806634

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 806145

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	20.0	10.8		ug/L		54	47 - 120
2-Methylnaphthalene	20.0	10.6		ug/L		53	43 - 120

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QC Sample Results

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

Job ID: 380-237858-1
SDG: Weekly: Halawa Wells P1 (MS/MSD)

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

Lab Sample ID: LCS 570-806145/2-A
Matrix: Water
Analysis Batch: 806634

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 806145

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	20.0	14.6		ug/L		73	60 - 132
Acenaphthylene	20.0	14.3		ug/L		72	54 - 126
Anthracene	20.0	15.3		ug/L		76	43 - 120
Benzo[a]anthracene	20.0	15.7		ug/L		79	42 - 133
Benzo[a]pyrene	20.0	16.9		ug/L		85	32 - 148
Benzo[b]fluoranthene	20.0	15.9		ug/L		80	42 - 140
Benzo[g,h,i]perylene	20.0	15.3		ug/L		76	1 - 195
Benzo[k]fluoranthene	20.0	16.1		ug/L		80	25 - 146
Chrysene	20.0	15.3		ug/L		77	44 - 140
Dibenz(a,h)anthracene	20.0	15.3		ug/L		76	1 - 200
Fluoranthene	20.0	16.0		ug/L		80	43 - 121
Fluorene	20.0	15.1		ug/L		76	70 - 120
Indeno[1,2,3-cd]pyrene	20.0	15.4		ug/L		77	1 - 151
Naphthalene	20.0	10.8		ug/L		54	36 - 120
Phenanthrene	20.0	15.5		ug/L		77	65 - 120
Pyrene	20.0	15.7		ug/L		79	70 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	77		28 - 127
2-Fluorobiphenyl (Surr)	74		31 - 120
2-Fluorophenol (Surr)	56		17 - 120
Nitrobenzene-d5 (Surr)	60		27 - 120
Phenol-d6 (Surr)	38		10 - 120
p-Terphenyl-d14 (Surr)	78		45 - 120

Lab Sample ID: LCSD 570-806145/3-A
Matrix: Water
Analysis Batch: 806634

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 806145

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	20.0	11.4		ug/L		57	47 - 120	5	20
2-Methylnaphthalene	20.0	11.2		ug/L		56	43 - 120	5	20
Acenaphthene	20.0	14.9		ug/L		75	60 - 132	2	29
Acenaphthylene	20.0	14.7		ug/L		73	54 - 126	2	45
Anthracene	20.0	15.7		ug/L		78	43 - 120	3	40
Benzo[a]anthracene	20.0	16.5		ug/L		83	42 - 133	5	32
Benzo[a]pyrene	20.0	17.2		ug/L		86	32 - 148	2	43
Benzo[b]fluoranthene	20.0	16.6		ug/L		83	42 - 140	4	43
Benzo[g,h,i]perylene	20.0	15.8		ug/L		79	1 - 195	3	61
Benzo[k]fluoranthene	20.0	16.5		ug/L		82	25 - 146	2	38
Chrysene	20.0	15.9		ug/L		80	44 - 140	4	53
Dibenz(a,h)anthracene	20.0	15.8		ug/L		79	1 - 200	3	75
Fluoranthene	20.0	16.5		ug/L		83	43 - 121	3	40
Fluorene	20.0	15.6		ug/L		78	70 - 120	3	23
Indeno[1,2,3-cd]pyrene	20.0	15.9		ug/L		79	1 - 151	3	60
Naphthalene	20.0	10.9		ug/L		55	36 - 120	1	39
Phenanthrene	20.0	16.0		ug/L		80	65 - 120	3	24
Pyrene	20.0	16.7		ug/L		84	70 - 120	6	30

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QC Sample Results

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

Job ID: 380-237858-1
SDG: Weekly: Halawa Wells P1 (MS/MSD)

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

Lab Sample ID: LCSD 570-806145/3-A

Matrix: Water

Analysis Batch: 806634

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 806145

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
2,4,6-Tribromophenol (Surr)	78		28 - 127
2-Fluorobiphenyl (Surr)	74		31 - 120
2-Fluorophenol (Surr)	57		17 - 120
Nitrobenzene-d5 (Surr)	60		27 - 120
Phenol d6 (Surr)	39		10 - 120
p-Terphenyl-d14 (Surr)	81		45 - 120

Lab Sample ID: 380-237858-1 MS

Matrix: Drinking Water

Analysis Batch: 807307

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

Prep Type: Total/NA

Prep Batch: 806145

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.19		19.4	11.8		ug/L		60	36 - 120
2-Methylnaphthalene	<0.19		19.4	11.9		ug/L		61	32 - 124
Acenaphthene	<0.19		19.4	15.9		ug/L		82	47 - 145
Acenaphthylene	<0.19		19.4	15.7		ug/L		81	33 - 145
Anthracene	<0.19		19.4	16.1		ug/L		83	27 - 133
Benzo[a]anthracene	<0.19		19.4	17.4		ug/L		89	33 - 143
Benzo[a]pyrene	<0.19		19.4	18.0		ug/L		93	17 - 163
Benzo[b]fluoranthene	<0.19		19.4	17.5		ug/L		90	24 - 159
Benzo[g,h,i]perylene	<0.19		19.4	15.9		ug/L		82	1 - 219
Benzo[k]fluoranthene	<0.19		19.4	17.0		ug/L		88	11 - 162
Chrysene	<0.19		19.4	16.6		ug/L		85	17 - 168
Dibenz(a,h)anthracene	<0.19		19.4	15.8		ug/L		81	1 - 227
Fluoranthene	<0.19		19.4	17.0		ug/L		87	26 - 137
Fluorene	<0.19		19.4	16.4		ug/L		84	59 - 121
Indeno[1,2,3-cd]pyrene	<0.19		19.4	16.1		ug/L		83	1 - 171
Naphthalene	<0.19		19.4	11.3		ug/L		58	21 - 133
Phenanthrene	<0.19		19.4	16.4		ug/L		85	54 - 120
Pyrene	<0.19		19.4	18.3		ug/L		94	52 - 120

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
2,4,6-Tribromophenol (Surr)	88		28 - 127
2-Fluorobiphenyl (Surr)	82		31 - 120
2-Fluorophenol (Surr)	62		17 - 120
Nitrobenzene-d5 (Surr)	63		27 - 120
Phenol-d6 (Surr)	40		10 - 120
p-Terphenyl-d14 (Surr)	89		45 - 120

Lab Sample ID: 380-237858-1 MSD

Matrix: Drinking Water

Analysis Batch: 807307

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

Prep Type: Total/NA

Prep Batch: 806145

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
1-Methylnaphthalene	<0.19		19.4	10.6		ug/L		55	36 - 120	10	30
2-Methylnaphthalene	<0.19		19.4	10.7		ug/L		55	32 - 124	11	30
Acenaphthene	<0.19		19.4	13.9		ug/L		72	47 - 145	13	48
Acenaphthylene	<0.19		19.4	13.9		ug/L		72	33 - 145	12	74

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QC Sample Results

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

Job ID: 380-237858-1
SDG: Weekly: Halawa Wells P1 (MS/MSD)

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

Lab Sample ID: 380-237858-1 MSD

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

Matrix: Drinking Water

Prep Type: Total/NA

Analysis Batch: 807307

Prep Batch: 806145

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Anthracene	<0.19		19.4	14.8		ug/L		76	27 - 133	8	66
Benzo[a]anthracene	<0.19		19.4	16.0		ug/L		83	33 - 143	8	53
Benzo[a]pyrene	<0.19		19.4	16.6		ug/L		85	17 - 163	8	72
Benzo[b]fluoranthene	<0.19		19.4	16.2		ug/L		83	24 - 159	8	71
Benzo[g,h,i]perylene	<0.19		19.4	14.9		ug/L		77	1 - 219	6	97
Benzo[k]fluoranthene	<0.19		19.4	15.5		ug/L		80	11 - 162	10	63
Chrysene	<0.19		19.4	15.2		ug/L		78	17 - 168	9	87
Dibenz(a,h)anthracene	<0.19		19.4	14.8		ug/L		76	1 - 227	6	126
Fluoranthene	<0.19		19.4	15.7		ug/L		81	26 - 137	8	66
Fluorene	<0.19		19.4	14.6		ug/L		75	59 - 121	11	38
Indeno[1,2,3-cd]pyrene	<0.19		19.4	14.9		ug/L		77	1 - 171	8	99
Naphthalene	<0.19		19.4	10.1		ug/L		52	21 - 133	11	65
Phenanthrene	<0.19		19.4	15.0		ug/L		77	54 - 120	9	39
Pyrene	<0.19		19.4	16.7		ug/L		86	52 - 120	9	49

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	77		28 - 127
2-Fluorobiphenyl (Surr)	73		31 - 120
2-Fluorophenol (Surr)	51		17 - 120
Nitrobenzene-d5 (Surr)	57		27 - 120
Phenol-d6 (Surr)	34		10 - 120
p-Terphenyl-d14 (Surr)	82		45 - 120

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

Lab Sample ID: MB 570-808619/6

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 808619

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10	ug/L			10/01/26 11:50	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		38 - 134		10/01/26 11:50	1

Lab Sample ID: LCS 570-808619/3

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 808619

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (C4-C13)	400	396		ug/L		99	78 - 120

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

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QC Sample Results

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

Job ID: 380-237858-1
SDG: Weekly: Halawa Wells P1 (MS/MSD)

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

Lab Sample ID: LCSD 570-808619/4
Matrix: Water
Analysis Batch: 808619

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	384		ug/L		96	78 - 120	3	10
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	97		38 - 134						

Lab Sample ID: MRL 570-808619/5
Matrix: Water
Analysis Batch: 808619

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

			Spike	MRL	MRL				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (C4-C13)			10.0	13.0		ug/L		130	50 - 150		
Surrogate	MRL	MRL									
	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	96		38 - 134								

Lab Sample ID: 380-237858-1 MS
Matrix: Drinking Water
Analysis Batch: 808619

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	383		ug/L		96	68 - 122		
Surrogate	MS %Recovery	MS Qualifier	Limits								
4-Bromofluorobenzene (Surr)	100		38 - 134								

Lab Sample ID: 380-237858-1 MSD
Matrix: Drinking Water
Analysis Batch: 808619

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	392		ug/L		98	68 - 122	2	18
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	101		38 - 134								

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

Lab Sample ID: MB 570-806448/1-A
Matrix: Water
Analysis Batch: 809548

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 806448

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<25		25	ug/L		09/27/26 14:54	10/02/26 19:38	1
Motor Oil Range Organics [C24-C36]	<25		25	ug/L		09/27/26 14:54	10/02/26 19:38	1
C8-C18	<25		25	ug/L		09/27/26 14:54	10/02/26 19:38	1

Eurofins Pomona

QC Sample Results

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

Job ID: 380-237858-1
SDG: Weekly: Halawa Wells P1 (MS/MSD)

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	87		60 - 130	09/27/26 14:54	10/02/26 19:38	1

Lab Sample ID: LCS 570-806448/2-A
Matrix: Water
Analysis Batch: 809548

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 806448

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
C10-C28	1600	1380		ug/L		86	56 - 127

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

Lab Sample ID: LCSD 570-806448/3-A
Matrix: Water
Analysis Batch: 809548

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 806448

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28	1600	1500		ug/L		94	56 - 127	9	23

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

Lab Sample ID: MRL 570-806448/4-A
Matrix: Water
Analysis Batch: 809548

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 806448

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
C10-C28	0.0200	0.0252		mg/L		126	50 - 150

Surrogate	MRL %Recovery	MRL Qualifier	Limits
n-Octacosane (Surr)	89		60 - 130

Lab Sample ID: 380-237858-1 MS
Matrix: Drinking Water
Analysis Batch: 809548

Client Sample ID: HALAWA WELLS P1 (331-023-WL065)
Prep Type: Total/NA
Prep Batch: 806448

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
C10-C28	<25		1650	1660		ug/L		100	70 - 130

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

Lab Sample ID: 380-237858-1 MSD
Matrix: Drinking Water
Analysis Batch: 809548

Client Sample ID: HALAWA WELLS P1 (331-023-WL065)
Prep Type: Total/NA
Prep Batch: 806448

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28	<25		1620	1370		ug/L		85	70 - 130	19	20

Eurofins Pomona

QC Sample Results

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

Job ID: 380-237858-1
SDG: Weekly: Halawa Wells P1 (MS/MSD)

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

Lab Sample ID: 380-237858-1 MSD
Matrix: Drinking Water
Analysis Batch: 809548

Client Sample ID: HALAWA WELLS P1 (331-023-WL065)
Prep Type: Total/NA
Prep Batch: 806448

<i>Surrogate</i>	<i>MSD</i> <i>%Recovery</i>	<i>MSD</i> <i>Qualifier</i>	<i>Limits</i>
<i>n-Octacosane (Surr)</i>	91		60 - 130

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QC Association Summary

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

Job ID: 380-237858-1
SDG: Weekly: Halawa Wells P1 (MS/MSD)

GC/MS Semi VOA

Prep Batch: 254467

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-237858-1	HALAWA WELLS P1 (331-023-WL065)	Total/NA	Drinking Water	525.2	
MB 380-254467/21-A	Method Blank	Total/NA	Water	525.2	
LCS 380-254467/23-A	Lab Control Sample	Total/NA	Water	525.2	
MRL 380-254467/22-A	Lab Control Sample	Total/NA	Water	525.2	
380-237556-AC-1-A MS	Matrix Spike	Total/NA	Water	525.2	
380-237611-U-1-A DU	Duplicate	Total/NA	Water	525.2	

Analysis Batch: 254787

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-237858-1	HALAWA WELLS P1 (331-023-WL065)	Total/NA	Drinking Water	525.2	254467
MB 380-254467/21-A	Method Blank	Total/NA	Water	525.2	254467
LCS 380-254467/23-A	Lab Control Sample	Total/NA	Water	525.2	254467
MRL 380-254467/22-A	Lab Control Sample	Total/NA	Water	525.2	254467
380-237556-AC-1-A MS	Matrix Spike	Total/NA	Water	525.2	254467
380-237611-U-1-A DU	Duplicate	Total/NA	Water	525.2	254467

Prep Batch: 806145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-237858-1	HALAWA WELLS P1 (331-023-WL065)	Total/NA	Drinking Water	625.1	
MB 570-806145/1-A	Method Blank	Total/NA	Water	625.1	
LCS 570-806145/2-A	Lab Control Sample	Total/NA	Water	625.1	
LCSD 570-806145/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	
380-237858-1 MS	HALAWA WELLS P1 (331-023-WL065)	Total/NA	Drinking Water	625.1	
380-237858-1 MSD	HALAWA WELLS P1 (331-023-WL065)	Total/NA	Drinking Water	625.1	

Analysis Batch: 806634

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-806145/1-A	Method Blank	Total/NA	Water	625.1 SIM	806145
LCS 570-806145/2-A	Lab Control Sample	Total/NA	Water	625.1 SIM	806145
LCSD 570-806145/3-A	Lab Control Sample Dup	Total/NA	Water	625.1 SIM	806145

Analysis Batch: 807307

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-237858-1	HALAWA WELLS P1 (331-023-WL065)	Total/NA	Drinking Water	625.1 SIM	806145
380-237858-1 MS	HALAWA WELLS P1 (331-023-WL065)	Total/NA	Drinking Water	625.1 SIM	806145
380-237858-1 MSD	HALAWA WELLS P1 (331-023-WL065)	Total/NA	Drinking Water	625.1 SIM	806145

Analysis Batch: 807530

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-237858-1	HALAWA WELLS P1 (331-023-WL065)	Total/NA	Drinking Water	625.1	806145
MB 570-806145/1-A	Method Blank	Total/NA	Water	625.1	806145

GC VOA

Analysis Batch: 808619

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-237858-1	HALAWA WELLS P1 (331-023-WL065)	Total/NA	Drinking Water	8015B GRO LL	
380-237858-2	TB: HALAWA WELLS P1 (331-023-WL065)	Total/NA	Water	8015B GRO LL	
MB 570-808619/6	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-808619/3	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-808619/4	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: 380-237858-1
SDG: Weekly: Halawa Wells P1 (MS/MSD)

GC VOA (Continued)

Analysis Batch: 808619 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MRL 570-808619/5	Lab Control Sample	Total/NA	Water	8015B GRO LL	
380-237858-1 MS	HALAWA WELLS P1 (331-023-WL065)	Total/NA	Drinking Water	8015B GRO LL	
380-237858-1 MSD	HALAWA WELLS P1 (331-023-WL065)	Total/NA	Drinking Water	8015B GRO LL	

GC Semi VOA

Prep Batch: 806448

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-237858-1	HALAWA WELLS P1 (331-023-WL065)	Total/NA	Drinking Water	3510C	
MB 570-806448/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-806448/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-806448/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MRL 570-806448/4-A	Lab Control Sample	Total/NA	Water	3510C	
380-237858-1 MS	HALAWA WELLS P1 (331-023-WL065)	Total/NA	Drinking Water	3510C	
380-237858-1 MSD	HALAWA WELLS P1 (331-023-WL065)	Total/NA	Drinking Water	3510C	

Analysis Batch: 809548

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-237858-1	HALAWA WELLS P1 (331-023-WL065)	Total/NA	Drinking Water	8015B	806448
MB 570-806448/1-A	Method Blank	Total/NA	Water	8015B	806448
LCS 570-806448/2-A	Lab Control Sample	Total/NA	Water	8015B	806448
LCSD 570-806448/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	806448
MRL 570-806448/4-A	Lab Control Sample	Total/NA	Water	8015B	806448
380-237858-1 MS	HALAWA WELLS P1 (331-023-WL065)	Total/NA	Drinking Water	8015B	806448
380-237858-1 MSD	HALAWA WELLS P1 (331-023-WL065)	Total/NA	Drinking Water	8015B	806448

Lab Chronicle

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

Job ID: 380-237858-1
SDG: Weekly: Halawa Wells P1 (MS/MSD)

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

Lab Sample ID: 380-237858-1

Date Collected: 09/21/26 10:49

Matrix: Drinking Water

Date Received: 09/23/26 09:06

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			254467	L9UA	EA POM	09/24/26 09:37
Total/NA	Analysis	525.2		1	254787	Q8LA	EA POM	09/25/26 17:55
Total/NA	Prep	625.1			806145	KLZQ	EET CAL 4	09/26/26 07:58
Total/NA	Analysis	625.1		1	807530	S4EA	EET CAL 4	09/29/26 18:51
Total/NA	Prep	625.1			806145	KLZQ	EET CAL 4	09/26/26 07:58
Total/NA	Analysis	625.1 SIM		1	807307	J7WE	EET CAL 4	09/29/26 14:25
Total/NA	Analysis	8015B GRO LL		1	808619	A9VE	EET CAL 4	10/01/26 14:22
Total/NA	Prep	3510C			806448	TVD6	EET CAL 4	09/27/26 14:54
Total/NA	Analysis	8015B		1	809548	H6FE	EET CAL 4	10/02/26 21:28

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

Lab Sample ID: 380-237858-2

Date Collected: 09/21/26 10:49

Matrix: Water

Date Received: 09/23/26 09:06

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015B GRO LL		1	808619	A9VE	EET CAL 4	10/01/26 13:13

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: 380-237858-1
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	01-31-27
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: 380-237858-1
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	07-31-28
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	01-01-27
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: 380-237858-1
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: 380-237858-1
SDG: Weekly: Halawa Wells P1 (MS/MSD)

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
380-237858-1	HALAWA WELLS P1 (331-023-WL065)	Drinking Water	09/21/26 10:49	09/23/26 09:06	Hawaii
380-237858-2	TB: HALAWA WELLS P1 (331-023-WL065)	Water	09/21/26 10:49	09/23/26 09:06	Hawaii

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380-237858 COC

Client Information Client Contact: Kirk Iwamoto Phone: +1 808 748 5840 Lab PM: Lopez, Maria E-Mail: Maria.Lopez@et.eurofinsus.com			Carrier Tracking No(s): State of Origin:			COC No: 380-237858 Page: Page 1 of 1 Job #:		
Company City & County of Honolulu Address: 6330 South Beretania Street Chemistry Lab City: Honolulu State Zip: HI, 96843 Phone: 808-748-5840 (Tel) Email: kiwamoto@hbws.org			Analysis Requested Due Date Requested: TAT Requested (days): Compliance Project: ☐ Yes ☒ No PO #: C20525101 exp 05312023 WO #: Project #: 38001111 SSOW#:			Preservation Codes: R - NaThioSO4 RA - NaThioHCl Q - Na2SO3 QA - Na2SO3/HCl Y - Trizma J - NH4 Acetate Other:		
Sample Identification Halawa Wells P1 (331-023-WL065) Halawa Wells P1 (331-023-WL065) (Matrix Spike) Halawa Wells P1 (331-023-WL065)(Matrix Spike Duplicate) TB: Halawa Wells P1 (331-023-WL065)			Sample Date 21-Sep-2026 21-Sep-2026			Sample Type (C=Comp, G=grab) G G		
Matrix (Preserv, Specif, Quantif, Other) Water Water Water Water			Preservation Code G G G G			Field Filtered Sample (Yes or No) ☒ Yes ☐ No Perform MS/MSD (Yes or No) ☒ Yes ☐ No		
605.1, 625.1 SIM 8015B_GRO_LL (MOD) GRO 8015B_DRO_LL_CS - HNL Ranges: C10-C24/C24-C36/C36-C48 825.2_PREC - (MOD) 825plus Plus TICs 637.1_DW_PREC - 637.1 Full Lat 633 - All Analytes			R 4 5 4 2 RA Q QA Y I 637.1_DW_PREC - 637.1 Full Lat 633 - All Analytes			Total Number of Containers Special Instructions/Note:		
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological Deliverable Requested: I, II, III, IV, Other (specify)			Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For Months			Special Instructions/QC Requirements:		
Empty Kit Relinquished by:			Date:			Method of Shipment:		
Relinquished by:			Date/Time: 22-Sep-2026 1400			Received by:		
Custody Seals Intact: A Yes A No			Date/Time: 09-23-26 09:06			Received by:		
Custody Seal No.:			Date/Time:			Received by:		
Cooler Temperature(s) °C and Other Remarks:			Date/Time:			Received by:		

Ver- 04/02/2024

[illegible]

Ver: 08/18/2026
10/6/2026

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-237858-1

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

Login Number: 237858

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: 380-237858-1

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

Login Number: 237858

List Number: 2

Creator: Khana, Piyush

List Source: Eurofins Calscience

List Creation: 09/23/26 07:41 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	1.3
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	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-237858-1

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

Login Number: 237858

List Number: 3

Creator: Khana, Piyush

List Source: Eurofins Calscience

List Creation: 09/24/26 07:45 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	2.3
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	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	