

ANALYTICAL REPORT

PREPARED FOR

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JOB DESCRIPTION

RED-HILL
Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)

JOB NUMBER

380-189446-1

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Job Notes

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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: 380-189446-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
^3+	Reporting Limit Check Standard is outside acceptance limits, high biased
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA TICs

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

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control 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

Case Narrative

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

Job ID: 380-189446-1

Job ID: 380-189446-1

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Job Narrative 380-189446-1

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 12/24/2025 10:37 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 0.7°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_DRO_LL_CS: Surrogate recovery for the following samples were outside the upper control limit: HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065) (380-189446-1) and (MB 570-676526/1-A). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 8015B_DRO_LL_CS: The surrogate recovery for the laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) associated with preparation batch 570-676526 and analytical batch 570-679396 was outside the upper control limits. The associate samples were not detected; 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.

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Detection Summary

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

Job ID: 380-189446-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)

**Client Sample ID: HALAWA WELLS UNITS 1 & 2 P1
(331-206-TP065)**

Lab Sample ID: 380-189446-1

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin	0.026		0.0097	ug/L	1		525.2	Total/NA

**Client Sample ID: TB: HALAWA WELLS UNITS 1 & 2
(331-206-TP065)**

Lab Sample ID: 380-189446-2

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: 380-189446-1
 SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)

**Client Sample ID: HALAWA WELLS UNITS 1 & 2 P1
 (331-206-TP065)**

Lab Sample ID: 380-189446-1

Date Collected: 12/22/25 09:45

Matrix: Drinking Water

Date Received: 12/24/25 10:37

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		12/30/25 15:37	12/31/25 17:48	1
2,4'-DDD	<0.097		0.097	ug/L		12/30/25 15:37	12/31/25 17:48	1
2,4'-DDE	<0.097		0.097	ug/L		12/30/25 15:37	12/31/25 17:48	1
2,4'-DDT	<0.097		0.097	ug/L		12/30/25 15:37	12/31/25 17:48	1
2,4-Dinitrotoluene	<0.097		0.097	ug/L		12/30/25 15:37	12/31/25 17:48	1
2,6-Dinitrotoluene	<0.097		0.097	ug/L		12/30/25 15:37	12/31/25 17:48	1
2-Methylnaphthalene	<0.097		0.097	ug/L		12/30/25 15:37	12/31/25 17:48	1
4,4'-DDD	<0.097		0.097	ug/L		12/30/25 15:37	12/31/25 17:48	1
4,4'-DDE	<0.097		0.097	ug/L		12/30/25 15:37	12/31/25 17:48	1
4,4'-DDT	<0.097		0.097	ug/L		12/30/25 15:37	12/31/25 17:48	1
Acenaphthene	<0.097		0.097	ug/L		12/30/25 15:37	12/31/25 17:48	1
Acenaphthylene	<0.097		0.097	ug/L		12/30/25 15:37	12/31/25 17:48	1
Acetochlor	<0.097		0.097	ug/L		12/30/25 15:37	12/31/25 17:48	1
Alachlor	<0.049		0.049	ug/L		12/30/25 15:37	12/31/25 17:48	1
alpha-BHC	<0.097		0.097	ug/L		12/30/25 15:37	12/31/25 17:48	1
alpha-Chlordane	<0.049		0.049	ug/L		12/30/25 15:37	12/31/25 17:48	1
Anthracene	<0.019		0.019	ug/L		12/30/25 15:37	12/31/25 17:48	1
Atrazine	<0.049		0.049	ug/L		12/30/25 15:37	12/31/25 17:48	1
Benz(a)anthracene	<0.049		0.049	ug/L		12/30/25 15:37	12/31/25 17:48	1
Benzo[a]pyrene	<0.019		0.019	ug/L		12/30/25 15:37	12/31/25 17:48	1
Benzo[b]fluoranthene	<0.019		0.019	ug/L		12/30/25 15:37	12/31/25 17:48	1
Benzo[g,h,i]perylene	<0.049		0.049	ug/L		12/30/25 15:37	12/31/25 17:48	1
Benzo[k]fluoranthene	<0.019		0.019	ug/L		12/30/25 15:37	12/31/25 17:48	1
beta-BHC	<0.097		0.097	ug/L		12/30/25 15:37	12/31/25 17:48	1
Bis(2-ethylhexyl) phthalate	<0.58		0.58	ug/L		12/30/25 15:37	12/31/25 17:48	1
Bromacil	<0.097		0.097	ug/L		12/30/25 15:37	12/31/25 17:48	1
Butachlor	<0.049		0.049	ug/L		12/30/25 15:37	12/31/25 17:48	1
Butylbenzylphthalate	<0.49		0.49	ug/L		12/30/25 15:37	12/31/25 17:48	1
Chlorobenzilate	<0.097		0.097	ug/L		12/30/25 15:37	12/31/25 17:48	1
Chloroneb	<0.097		0.097	ug/L		12/30/25 15:37	12/31/25 17:48	1
Chlorothalonil (Draconil, Bravo)	<0.097		0.097	ug/L		12/30/25 15:37	12/31/25 17:48	1
Chlorpyrifos	<0.049		0.049	ug/L		12/30/25 15:37	12/31/25 17:48	1
Chrysene	<0.019		0.019	ug/L		12/30/25 15:37	12/31/25 17:48	1
delta-BHC	<0.097		0.097	ug/L		12/30/25 15:37	12/31/25 17:48	1
Di(2-ethylhexyl)adipate	<0.58		0.58	ug/L		12/30/25 15:37	12/31/25 17:48	1
Dibenz(a,h)anthracene	<0.049		0.049	ug/L		12/30/25 15:37	12/31/25 17:48	1
Diclorvos (DDVP)	<0.049		0.049	ug/L		12/30/25 15:37	12/31/25 17:48	1
Dieldrin	0.026		0.0097	ug/L		12/30/25 15:37	12/31/25 17:48	1
Diethylphthalate	<0.49		0.49	ug/L		12/30/25 15:37	12/31/25 17:48	1
Dimethylphthalate	<0.49		0.49	ug/L		12/30/25 15:37	12/31/25 17:48	1
Di-n-butyl phthalate	<0.97		0.97	ug/L		12/30/25 15:37	12/31/25 17:48	1
Di-n-octyl phthalate	<0.097		0.097	ug/L		12/30/25 15:37	12/31/25 17:48	1
Endosulfan I (Alpha)	<0.097		0.097	ug/L		12/30/25 15:37	12/31/25 17:48	1
Endosulfan II (Beta)	<0.097		0.097	ug/L		12/30/25 15:37	12/31/25 17:48	1
Endosulfan sulfate	<0.097		0.097	ug/L		12/30/25 15:37	12/31/25 17:48	1
Endrin	<0.0097		0.0097	ug/L		12/30/25 15:37	12/31/25 17:48	1
Endrin aldehyde	<0.097		0.097	ug/L		12/30/25 15:37	12/31/25 17:48	1
EPTC	<0.097		0.097	ug/L		12/30/25 15:37	12/31/25 17:48	1

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Client Sample Results

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

Job ID: 380-189446-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)

**Client Sample ID: HALAWA WELLS UNITS 1 & 2 P1
(331-206-TP065)**

Lab Sample ID: 380-189446-1

Date Collected: 12/22/25 09:45

Matrix: Drinking Water

Date Received: 12/24/25 10:37

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	<0.097		0.097	ug/L		12/30/25 15:37	12/31/25 17:48	1
Fluorene	<0.049		0.049	ug/L		12/30/25 15:37	12/31/25 17:48	1
gamma-Chlordane	<0.049		0.049	ug/L		12/30/25 15:37	12/31/25 17:48	1
Heptachlor	<0.0097		0.0097	ug/L		12/30/25 15:37	12/31/25 17:48	1
Heptachlor epoxide (isomer B)	<0.0097		0.0097	ug/L		12/30/25 15:37	01/04/26 18:38	1
Hexachlorobenzene	<0.049		0.049	ug/L		12/30/25 15:37	12/31/25 17:48	1
Hexachlorocyclopentadiene	<0.049		0.049	ug/L		12/30/25 15:37	12/31/25 17:48	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049	ug/L		12/30/25 15:37	12/31/25 17:48	1
Isophorone	<0.097		0.097	ug/L		12/30/25 15:37	12/31/25 17:48	1
Lindane	<0.0097		0.0097	ug/L		12/30/25 15:37	12/31/25 17:48	1
Malathion	<0.097		0.097	ug/L		12/30/25 15:37	12/31/25 17:48	1
Methoxychlor	<0.049		0.049	ug/L		12/30/25 15:37	12/31/25 17:48	1
Metolachlor	<0.049		0.049	ug/L		12/30/25 15:37	12/31/25 17:48	1
Molinate	<0.097		0.097	ug/L		12/30/25 15:37	12/31/25 17:48	1
Naphthalene	<0.097		0.097	ug/L		12/30/25 15:37	12/31/25 17:48	1
Parathion	<0.097		0.097	ug/L		12/30/25 15:37	12/31/25 17:48	1
Pendimethalin (Penoxaline)	<0.097		0.097	ug/L		12/30/25 15:37	12/31/25 17:48	1
Phenanthrene	<0.039		0.039	ug/L		12/30/25 15:37	12/31/25 17:48	1
Propachlor	<0.049		0.049	ug/L		12/30/25 15:37	12/31/25 17:48	1
Pyrene	<0.049		0.049	ug/L		12/30/25 15:37	12/31/25 17:48	1
Simazine	<0.049		0.049	ug/L		12/30/25 15:37	12/31/25 17:48	1
Terbacil	<0.097		0.097	ug/L		12/30/25 15:37	12/31/25 17:48	1
Terbutylazine	<0.097		0.097	ug/L		12/30/25 15:37	12/31/25 17:48	1
Thiobencarb	<0.097		0.097	ug/L		12/30/25 15:37	12/31/25 17:48	1
Total Permethrin (mixed isomers)	<0.19		0.19	ug/L		12/30/25 15:37	12/31/25 17:48	1
trans-Nonachlor	<0.049		0.049	ug/L		12/30/25 15:37	12/31/25 17:48	1
Trifluralin	<0.097		0.097	ug/L		12/30/25 15:37	12/31/25 17:48	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A	12/30/25 15:37	12/31/25 17:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	96		70 - 130	12/30/25 15:37	12/31/25 17:48	1
2-Nitro-m-xylene	96		70 - 130	12/30/25 15:37	01/04/26 18:38	1
Perylene-d12	95		70 - 130	12/30/25 15:37	12/31/25 17:48	1
Perylene-d12	88		70 - 130	12/30/25 15:37	01/04/26 18:38	1
Triphenylphosphate	106		70 - 130	12/30/25 15:37	12/31/25 17:48	1
Triphenylphosphate	107		70 - 130	12/30/25 15:37	01/04/26 18:38	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		12/29/25 17:40	01/06/26 09:06	1
2-Methylnaphthalene	<0.19		0.19	ug/L		12/29/25 17:40	01/06/26 09:06	1
Acenaphthene	<0.19		0.19	ug/L		12/29/25 17:40	01/06/26 09:06	1
Acenaphthylene	<0.19		0.19	ug/L		12/29/25 17:40	01/06/26 09:06	1
Anthracene	<0.19		0.19	ug/L		12/29/25 17:40	01/06/26 09:06	1
Benzo[a]anthracene	<0.19		0.19	ug/L		12/29/25 17:40	01/06/26 09:06	1
Benzo[a]pyrene	<0.19		0.19	ug/L		12/29/25 17:40	01/06/26 09:06	1
Benzo[b]fluoranthene	<0.19		0.19	ug/L		12/29/25 17:40	01/06/26 09:06	1

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Client Sample Results

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

Job ID: 380-189446-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)

**Client Sample ID: HALAWA WELLS UNITS 1 & 2 P1
(331-206-TP065)**

Lab Sample ID: 380-189446-1

Date Collected: 12/22/25 09:45

Matrix: Drinking Water

Date Received: 12/24/25 10:37

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	<0.19		0.19	ug/L		12/29/25 17:40	01/06/26 09:06	1
Benzo[k]fluoranthene	<0.19		0.19	ug/L		12/29/25 17:40	01/06/26 09:06	1
Chrysene	<0.19		0.19	ug/L		12/29/25 17:40	01/06/26 09:06	1
Fluoranthene	<0.19		0.19	ug/L		12/29/25 17:40	01/06/26 09:06	1
Fluorene	<0.19		0.19	ug/L		12/29/25 17:40	01/06/26 09:06	1
Naphthalene	<0.19		0.19	ug/L		12/29/25 17:40	01/06/26 09:06	1
Phenanthrene	<0.19		0.19	ug/L		12/29/25 17:40	01/06/26 09:06	1
Pyrene	<0.19		0.19	ug/L		12/29/25 17:40	01/06/26 09:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	85		28 - 127			12/29/25 17:40	01/06/26 09:06	1
2-Fluorobiphenyl (Surr)	84		31 - 120			12/29/25 17:40	01/06/26 09:06	1
2-Fluorophenol (Surr)	57		17 - 120			12/29/25 17:40	01/06/26 09:06	1
Nitrobenzene-d5 (Surr)	92		27 - 120			12/29/25 17:40	01/06/26 09:06	1
Phenol-d6 (Surr)	35		10 - 120			12/29/25 17:40	01/06/26 09:06	1
p-Terphenyl-d14 (Surr)	88		45 - 120			12/29/25 17:40	01/06/26 09:06	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	<0.19		0.19	ug/L		12/29/25 17:40	01/13/26 20:21	1
Indeno[1,2,3-cd]pyrene	<0.19		0.19	ug/L		12/29/25 17:40	01/13/26 20:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	83		28 - 127			12/29/25 17:40	01/13/26 20:21	1
2-Fluorobiphenyl (Surr)	77		31 - 120			12/29/25 17:40	01/13/26 20:21	1
2-Fluorophenol (Surr)	49		17 - 120			12/29/25 17:40	01/13/26 20:21	1
Nitrobenzene-d5 (Surr)	79		27 - 120			12/29/25 17:40	01/13/26 20:21	1
Phenol-d6 (Surr)	32		10 - 120			12/29/25 17:40	01/13/26 20:21	1
p-Terphenyl-d14 (Surr)	78		45 - 120			12/29/25 17:40	01/13/26 20:21	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	12/29/25 17:40	01/12/26 13:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	63		33 - 139				12/29/25 17:40	01/12/26 13:59	1
2-Fluorobiphenyl (Surr)	88		33 - 126				12/29/25 17:40	01/12/26 13:59	1
2-Fluorophenol (Surr)	58		12 - 120				12/29/25 17:40	01/12/26 13:59	1
Nitrobenzene-d5 (Surr)	100		36 - 120				12/29/25 17:40	01/12/26 13:59	1
Phenol-d6 (Surr)	36		10 - 120				12/29/25 17:40	01/12/26 13:59	1
p-Terphenyl-d14 (Surr)	93		47 - 131				12/29/25 17:40	01/12/26 13:59	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			12/28/25 17:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		38 - 134				12/28/25 17:10	1

Eurofins Pomona

Client Sample Results

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

Job ID: 380-189446-1
 SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)

**Client Sample ID: HALAWA WELLS UNITS 1 & 2 P1
 (331-206-TP065)**

Lab Sample ID: 380-189446-1

Date Collected: 12/22/25 09:45

Matrix: Drinking Water

Date Received: 12/24/25 10:37

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<26		26	ug/L		12/29/25 17:18	01/08/26 18:49	1
Motor Oil Range Organics [C24-C36]	<26		26	ug/L		12/29/25 17:18	01/08/26 18:49	1
C8-C18	<26		26	ug/L		12/29/25 17:18	01/08/26 18:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>n</i> -Octacosane (Surr)	139	S1+	60 - 130			12/29/25 17:18	01/08/26 18:49	1

**Client Sample ID: TB: HALAWA WELLS UNITS 1 & 2
 (331-206-TP065)**

Lab Sample ID: 380-189446-2

Date Collected: 12/22/25 09:45

Matrix: Water

Date Received: 12/24/25 10:37

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			12/28/25 19:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>4</i> -Bromofluorobenzene (Surr)	100		38 - 134				12/28/25 19:46	1

Action Limit Summary

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

Job ID: 380-189446-1
 SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)

**Client Sample ID: HALAWA WELLS UNITS 1 & 2 P1
 (331-206-TP065)**

Lab Sample ID: 380-189446-1

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)	<0.0097		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: 380-189446-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)

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

Matrix: Drinking Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	2NMX	PRY	TPP
		(70-130)	(70-130)	(70-130)
380-189446-1	HALAWA WELLS UNITS 1 & 2 P1 (	96	95	106
380-189446-1	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)	96	88	107

Surrogate Legend

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

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	2NMX	PRY	TPP
		(70-130)	(70-130)	(70-130)
380-189454-I-1-A MS	Matrix Spike	96	104	107
380-189454-J-1-A MSD	Matrix Spike Duplicate	97	105	108
LCS 380-195112/22-A	Lab Control Sample	95	101	106
MB 380-195112/20-A	Method Blank	96	83	107
MRL 380-195112/21-A	Lab Control Sample	95	88	104
MRL 380-195112/21-A	Lab Control Sample	95	88	106

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)

Lab Sample ID	Client Sample ID	TBP	FBP	2FP	NBZ	PHL6	TPHd14
		(33-139)	(33-126)	(12-120)	(36-120)	(10-120)	(47-131)
380-189446-1	HALAWA WELLS UNITS 1 & 2 P1 (	63	88	58	100	36	93

Surrogate Legend

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

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TBP	FBP	2FP	NBZ	PHL6	TPHd14
		(33-139)	(33-126)	(12-120)	(36-120)	(10-120)	(47-131)
MB 570-676536/1-A	Method Blank	64	80	55	92	34	83

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)

Surrogate Summary

Client: City & County of Honolulu

Job ID: 380-189446-1

Project/Site: RED-HILL

SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)

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

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)
380-189446-1	HALAWA WELLS UNITS 1 & 2 P1 (	85	84	57	92	35	88
380-189446-1 - RA	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)	83	77	49	79	32	78
380-189446-1 MS	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	100	101	75	86	48	106
380-189446-1 MSD	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	91	91	67	95	43	94

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 570-676536/2-A	Lab Control Sample	84	82	64	86	42	92
LCSD 570-676536/3-A	Lab Control Sample Dup	90	87	69	93	45	96
MB 570-676536/1-A	Method Blank	80	80	54	83	35	83

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)

FBP = 2-Fluorobiphenyl (Surr)

2FP = 2-Fluorophenol (Surr)

NBZ = Nitrobenzene-d5 (Surr)

PHL6 = Phenol-d6 (Surr)

TPHd14 = p-Terphenyl-d14 (Surr)

Method: 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)
380-189446-1	HALAWA WELLS UNITS 1 & 2 P1 (	104
380-189446-1 MS	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	103
380-189446-1 MSD	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	101

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

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Surrogate Summary

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

Job ID: 380-189446-1
SDG: Weekly: Halawa Wells Units 1&2 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)
380-189446-2	TB: HALAWA WELLS UNITS 1 & 2 (	100
LCS 570-675935/4	Lab Control Sample	100
LCSD 570-675935/5	Lab Control Sample Dup	105
MB 570-675935/6	Method Blank	101
MRL 570-675935/3	Lab Control Sample	93

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)
380-189446-1 - RA	HALAWA WELLS UNITS 1 & 2 P1 (	139 S1+
380-189446-1 MS	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	124
380-189446-1 MSD	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	111

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 570-676526/2-A	Lab Control Sample	147 S1+
LCSD 570-676526/3-A	Lab Control Sample Dup	133 S1+
MB 570-676526/1-A	Method Blank	132 S1+
MRL 570-676526/4-A	Lab Control Sample	124

Surrogate Legend

OTCSN = n-Octacosane (Surr)

QC Sample Results

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

Job ID: 380-189446-1
 SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)

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

Lab Sample ID: MB 380-195112/20-A
Matrix: Water
Analysis Batch: 195340

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 195112

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
1-Methylnaphthalene	<0.099		0.099	ug/L		12/30/25 15:37	12/31/25 15:28	1
2,4'-DDD	<0.099		0.099	ug/L		12/30/25 15:37	12/31/25 15:28	1
2,4'-DDE	<0.099		0.099	ug/L		12/30/25 15:37	12/31/25 15:28	1
2,4'-DDT	<0.099		0.099	ug/L		12/30/25 15:37	12/31/25 15:28	1
2,4-Dinitrotoluene	<0.099		0.099	ug/L		12/30/25 15:37	12/31/25 15:28	1
2,6-Dinitrotoluene	<0.099		0.099	ug/L		12/30/25 15:37	12/31/25 15:28	1
2-Methylnaphthalene	<0.099		0.099	ug/L		12/30/25 15:37	12/31/25 15:28	1
4,4'-DDD	<0.099		0.099	ug/L		12/30/25 15:37	12/31/25 15:28	1
4,4'-DDE	<0.099		0.099	ug/L		12/30/25 15:37	12/31/25 15:28	1
4,4'-DDT	<0.099		0.099	ug/L		12/30/25 15:37	12/31/25 15:28	1
Acenaphthene	<0.099		0.099	ug/L		12/30/25 15:37	12/31/25 15:28	1
Acenaphthylene	<0.099		0.099	ug/L		12/30/25 15:37	12/31/25 15:28	1
Acetochlor	<0.099		0.099	ug/L		12/30/25 15:37	12/31/25 15:28	1
Alachlor	<0.049		0.049	ug/L		12/30/25 15:37	12/31/25 15:28	1
alpha-BHC	<0.099		0.099	ug/L		12/30/25 15:37	12/31/25 15:28	1
alpha-Chlordane	<0.049		0.049	ug/L		12/30/25 15:37	12/31/25 15:28	1
Anthracene	<0.020		0.020	ug/L		12/30/25 15:37	12/31/25 15:28	1
Atrazine	<0.049		0.049	ug/L		12/30/25 15:37	12/31/25 15:28	1
Benz(a)anthracene	<0.049		0.049	ug/L		12/30/25 15:37	12/31/25 15:28	1
Benzo[a]pyrene	<0.020		0.020	ug/L		12/30/25 15:37	12/31/25 15:28	1
Benzo[b]fluoranthene	<0.020		0.020	ug/L		12/30/25 15:37	12/31/25 15:28	1
Benzo[g,h,i]perylene	<0.049		0.049	ug/L		12/30/25 15:37	12/31/25 15:28	1
Benzo[k]fluoranthene	<0.020		0.020	ug/L		12/30/25 15:37	12/31/25 15:28	1
beta-BHC	<0.099		0.099	ug/L		12/30/25 15:37	12/31/25 15:28	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59	ug/L		12/30/25 15:37	12/31/25 15:28	1
Bromacil	<0.099		0.099	ug/L		12/30/25 15:37	12/31/25 15:28	1
Butachlor	<0.049		0.049	ug/L		12/30/25 15:37	12/31/25 15:28	1
Butylbenzylphthalate	<0.49		0.49	ug/L		12/30/25 15:37	12/31/25 15:28	1
Chlorobenzilate	<0.099		0.099	ug/L		12/30/25 15:37	12/31/25 15:28	1
Chloroneb	<0.099		0.099	ug/L		12/30/25 15:37	12/31/25 15:28	1
Chlorothalonil (Draconil, Bravo)	<0.099		0.099	ug/L		12/30/25 15:37	12/31/25 15:28	1
Chlorpyrifos	<0.049		0.049	ug/L		12/30/25 15:37	12/31/25 15:28	1
Chrysene	<0.020		0.020	ug/L		12/30/25 15:37	12/31/25 15:28	1
delta-BHC	<0.099		0.099	ug/L		12/30/25 15:37	12/31/25 15:28	1
Di(2-ethylhexyl)adipate	<0.59		0.59	ug/L		12/30/25 15:37	12/31/25 15:28	1
Dibenz(a,h)anthracene	<0.049		0.049	ug/L		12/30/25 15:37	12/31/25 15:28	1
Diclorvos (DDVP)	<0.049		0.049	ug/L		12/30/25 15:37	12/31/25 15:28	1
Dieldrin	<0.0099		0.0099	ug/L		12/30/25 15:37	12/31/25 15:28	1
Diethylphthalate	<0.49		0.49	ug/L		12/30/25 15:37	12/31/25 15:28	1
Dimethylphthalate	<0.49		0.49	ug/L		12/30/25 15:37	12/31/25 15:28	1
Di-n-butyl phthalate	<0.99		0.99	ug/L		12/30/25 15:37	12/31/25 15:28	1
Di-n-octyl phthalate	<0.099		0.099	ug/L		12/30/25 15:37	12/31/25 15:28	1
Endosulfan I (Alpha)	<0.099		0.099	ug/L		12/30/25 15:37	12/31/25 15:28	1
Endosulfan II (Beta)	<0.099		0.099	ug/L		12/30/25 15:37	12/31/25 15:28	1
Endosulfan sulfate	<0.099		0.099	ug/L		12/30/25 15:37	12/31/25 15:28	1
Endrin	<0.0099		0.0099	ug/L		12/30/25 15:37	12/31/25 15:28	1
Endrin aldehyde	<0.099		0.099	ug/L		12/30/25 15:37	12/31/25 15:28	1
EPTC	<0.099		0.099	ug/L		12/30/25 15:37	12/31/25 15:28	1

QC Sample Results

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

Job ID: 380-189446-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)

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

Lab Sample ID: MB 380-195112/20-A

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 195340

Prep Batch: 195112

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Fluoranthene	<0.099		0.099	ug/L		12/30/25 15:37	12/31/25 15:28	1
Fluorene	<0.049		0.049	ug/L		12/30/25 15:37	12/31/25 15:28	1
gamma-Chlordane	<0.049		0.049	ug/L		12/30/25 15:37	12/31/25 15:28	1
Heptachlor	<0.0099		0.0099	ug/L		12/30/25 15:37	12/31/25 15:28	1
Heptachlor epoxide (isomer B)	<0.0099	^3+	0.0099	ug/L		12/30/25 15:37	12/31/25 15:28	1
Hexachlorobenzene	<0.049		0.049	ug/L		12/30/25 15:37	12/31/25 15:28	1
Hexachlorocyclopentadiene	<0.049		0.049	ug/L		12/30/25 15:37	12/31/25 15:28	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049	ug/L		12/30/25 15:37	12/31/25 15:28	1
Isophorone	<0.099		0.099	ug/L		12/30/25 15:37	12/31/25 15:28	1
Lindane	<0.0099		0.0099	ug/L		12/30/25 15:37	12/31/25 15:28	1
Malathion	<0.099		0.099	ug/L		12/30/25 15:37	12/31/25 15:28	1
Methoxychlor	<0.049		0.049	ug/L		12/30/25 15:37	12/31/25 15:28	1
Metolachlor	<0.049		0.049	ug/L		12/30/25 15:37	12/31/25 15:28	1
Molinate	<0.099		0.099	ug/L		12/30/25 15:37	12/31/25 15:28	1
Naphthalene	<0.099		0.099	ug/L		12/30/25 15:37	12/31/25 15:28	1
Parathion	<0.099		0.099	ug/L		12/30/25 15:37	12/31/25 15:28	1
Pendimethalin (Penoxaline)	<0.099		0.099	ug/L		12/30/25 15:37	12/31/25 15:28	1
Phenanthrene	<0.040		0.040	ug/L		12/30/25 15:37	12/31/25 15:28	1
Propachlor	<0.049		0.049	ug/L		12/30/25 15:37	12/31/25 15:28	1
Pyrene	<0.049		0.049	ug/L		12/30/25 15:37	12/31/25 15:28	1
Simazine	<0.049		0.049	ug/L		12/30/25 15:37	12/31/25 15:28	1
Terbacil	<0.099		0.099	ug/L		12/30/25 15:37	12/31/25 15:28	1
Terbutylazine	<0.099		0.099	ug/L		12/30/25 15:37	12/31/25 15:28	1
Thiobencarb	<0.099		0.099	ug/L		12/30/25 15:37	12/31/25 15:28	1
Total Permethrin (mixed isomers)	<0.20		0.20	ug/L		12/30/25 15:37	12/31/25 15:28	1
trans-Nonachlor	<0.049		0.049	ug/L		12/30/25 15:37	12/31/25 15:28	1
Trifluralin	<0.099		0.099	ug/L		12/30/25 15:37	12/31/25 15:28	1

Tentatively Identified Compound	MB	MB	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
	Est. Result	Qualifier							
Cyclopentene, 1,2,3,4,5-pentamethyl-	1.47	T J N	ug/L		2.54	1000154-28-6	12/30/25 15:37	12/31/25 15:28	1
Undecane	2.77	T J N	ug/L		3.14	1120-21-4	12/30/25 15:37	12/31/25 15:28	1
Plumbane, diethyldimethyl-	0.797	T J N	ug/L		3.27	1762-27-2	12/30/25 15:37	12/31/25 15:28	1
Cyclohexasiloxane, dodecamethyl-	0.685	T J N	ug/L		3.90	540-97-6	12/30/25 15:37	12/31/25 15:28	1
Hexadecanamide	0.782	T J N	ug/L		7.08	629-54-9	12/30/25 15:37	12/31/25 15:28	1
9-Octadecenamide, (Z)-	8.70	T J N	ug/L		7.97	301-02-0	12/30/25 15:37	12/31/25 15:28	1
Tetradecanamide	0.537	T J N	ug/L		8.07	638-58-4	12/30/25 15:37	12/31/25 15:28	1
13-Docosenamide, (Z)-	1.26	T J N	ug/L		10.53	112-84-5	12/30/25 15:37	12/31/25 15:28	1
Unknown	0.530	T J	ug/L		15.13	N/A	12/30/25 15:37	12/31/25 15:28	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2-Nitro-m-xylene	96		70 - 130	12/30/25 15:37	12/31/25 15:28	1
Perylene-d12	83		70 - 130	12/30/25 15:37	12/31/25 15:28	1
Triphenylphosphate	107		70 - 130	12/30/25 15:37	12/31/25 15:28	1

QC Sample Results

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

Job ID: 380-189446-1
 SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)

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

Lab Sample ID: LCS 380-195112/22-A
Matrix: Water
Analysis Batch: 195340

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 195112

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec Limits
	Added	Result	Qualifier				
1-Methylnaphthalene	1.97	1.99		ug/L		101	70 - 130
2,4'-DDD	1.97	1.90		ug/L		97	70 - 130
2,4'-DDE	1.97	2.10		ug/L		107	70 - 130
2,4'-DDT	1.97	1.95		ug/L		99	70 - 130
2,4-Dinitrotoluene	1.97	2.16		ug/L		110	70 - 130
2,6-Dinitrotoluene	1.97	2.05		ug/L		104	70 - 130
2-Methylnaphthalene	1.97	2.00		ug/L		101	70 - 130
4,4'-DDD	1.97	1.97		ug/L		100	70 - 130
4,4'-DDE	1.97	2.08		ug/L		106	70 - 130
4,4'-DDT	1.97	1.97		ug/L		100	70 - 130
Acenaphthene	1.97	1.99		ug/L		101	70 - 130
Acenaphthylene	1.97	2.18		ug/L		111	70 - 130
Acetochlor	1.97	2.10		ug/L		107	70 - 130
Alachlor	1.97	2.18		ug/L		111	70 - 130
alpha-BHC	1.97	2.20		ug/L		112	70 - 130
alpha-Chlordane	1.97	1.84		ug/L		93	70 - 130
Anthracene	1.97	2.21		ug/L		112	70 - 130
Atrazine	1.97	2.05		ug/L		104	70 - 130
Benz(a)anthracene	1.97	1.93		ug/L		98	70 - 130
Benzo[a]pyrene	1.97	2.04		ug/L		104	70 - 130
Benzo[b]fluoranthene	1.97	1.99		ug/L		101	70 - 130
Benzo[g,h,i]perylene	1.97	2.06		ug/L		104	70 - 130
Benzo[k]fluoranthene	1.97	1.80		ug/L		91	70 - 130
beta-BHC	1.97	2.18		ug/L		111	70 - 130
Bis(2-ethylhexyl) phthalate	1.97	2.07		ug/L		105	70 - 130
Bromacil	1.97	1.96		ug/L		100	70 - 130
Butachlor	1.97	2.30		ug/L		117	70 - 130
Butylbenzylphthalate	1.97	2.29		ug/L		116	70 - 130
Chlorobenzilate	1.97	2.04		ug/L		104	70 - 130
Chloroneb	1.97	2.13		ug/L		108	70 - 130
Chlorothalonil (Draconil, Bravo)	1.97	2.14		ug/L		109	70 - 130
Chlorpyrifos	1.97	1.92		ug/L		97	70 - 130
Chrysene	1.97	1.66		ug/L		84	70 - 130
delta-BHC	1.97	2.22		ug/L		113	70 - 130
Di(2-ethylhexyl)adipate	1.97	2.33		ug/L		118	70 - 130
Dibenz(a,h)anthracene	1.97	2.15		ug/L		109	70 - 130
Diclorvos (DDVP)	1.97	2.24		ug/L		114	70 - 130
Dieldrin	1.97	2.04		ug/L		104	70 - 130
Diethylphthalate	1.97	2.26		ug/L		115	70 - 130
Dimethylphthalate	1.97	2.24		ug/L		114	70 - 130
Di-n-butyl phthalate	3.94	4.14		ug/L		105	70 - 130
Di-n-octyl phthalate	1.97	2.00		ug/L		101	70 - 130
Endosulfan I (Alpha)	1.97	1.91		ug/L		97	70 - 130
Endosulfan II (Beta)	1.97	2.15		ug/L		109	70 - 130
Endosulfan sulfate	1.97	2.11		ug/L		107	70 - 130
Endrin	1.97	2.14		ug/L		108	70 - 130
Endrin aldehyde	1.97	1.93		ug/L		98	60 - 130
EPTC	1.97	2.33		ug/L		118	70 - 130

QC Sample Results

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

Job ID: 380-189446-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)

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

Lab Sample ID: LCS 380-195112/22-A

Matrix: Water

Analysis Batch: 195340

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 195112

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Fluoranthene	1.97	2.15		ug/L		109	70 - 130
Fluorene	1.97	2.15		ug/L		109	70 - 130
gamma-Chlordane	1.97	1.84		ug/L		94	70 - 130
Heptachlor	1.97	2.24		ug/L		114	70 - 130
Heptachlor epoxide (isomer B)	1.97	2.00		ug/L		102	70 - 130
Hexachlorobenzene	1.97	2.21		ug/L		112	70 - 130
Hexachlorocyclopentadiene	1.97	2.06		ug/L		105	70 - 130
Indeno[1,2,3-cd]pyrene	1.97	2.24		ug/L		114	70 - 130
Isophorone	1.97	1.95		ug/L		99	70 - 130
Lindane	1.97	2.15		ug/L		109	70 - 130
Malathion	1.97	2.19		ug/L		111	70 - 130
Methoxychlor	1.97	2.04		ug/L		103	70 - 130
Metolachlor	1.97	2.18		ug/L		111	70 - 130
Molinate	1.97	2.17		ug/L		110	70 - 130
Naphthalene	1.97	1.96		ug/L		99	70 - 130
Parathion	1.97	2.21		ug/L		113	70 - 130
Pendimethalin (Penoxaline)	1.97	2.04		ug/L		103	70 - 130
Phenanthrene	1.97	2.04		ug/L		104	70 - 130
Propachlor	1.97	2.14		ug/L		109	70 - 130
Pyrene	1.97	1.95		ug/L		99	70 - 130
Simazine	1.97	1.95		ug/L		99	70 - 130
Terbacil	1.97	2.02		ug/L		103	70 - 130
Terbutylazine	1.97	2.20		ug/L		112	70 - 130
Thiobencarb	1.97	2.08		ug/L		106	70 - 130
trans-Nonachlor	1.97	1.76		ug/L		89	70 - 130
Trifluralin	1.97	2.03		ug/L		103	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2-Nitro-m-xylene	95		70 - 130
Perylene-d12	101		70 - 130
Triphenylphosphate	106		70 - 130

Lab Sample ID: MRL 380-195112/21-A

Matrix: Water

Analysis Batch: 195340

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 195112

Analyte	Spike Added	MRL	MRL	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
1-Methylnaphthalene	0.0985	0.116		ug/L		118	50 - 150
2,4'-DDD	0.0985	0.0850	J	ug/L		86	50 - 150
2,4'-DDE	0.0985	0.0894	J	ug/L		91	50 - 150
2,4'-DDT	0.0985	0.107		ug/L		109	50 - 150
2,4-Dinitrotoluene	0.0985	0.111		ug/L		112	50 - 150
2,6-Dinitrotoluene	0.0985	0.135		ug/L		137	50 - 150
2-Methylnaphthalene	0.0985	0.112		ug/L		113	50 - 150
4,4'-DDD	0.0985	0.114		ug/L		116	50 - 150
4,4'-DDE	0.0985	0.110		ug/L		112	50 - 150
4,4'-DDT	0.0985	0.115		ug/L		117	50 - 150
Acenaphthene	0.0985	0.0912	J	ug/L		93	50 - 150

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QC Sample Results

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

Job ID: 380-189446-1
 SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)

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

Lab Sample ID: MRL 380-195112/21-A

Matrix: Water

Analysis Batch: 195340

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 195112

Analyte	Spike	MRL	MRL	Unit	D	%Rec	%Rec Limits
	Added	Result	Qualifier				
Acenaphthylene	0.0985	0.0848	J	ug/L		86	50 - 150
Acetochlor	0.0985	0.122		ug/L		124	50 - 150
Alachlor	0.0493	0.0545		ug/L		111	50 - 150
alpha-BHC	0.0985	0.0939	J	ug/L		95	50 - 150
alpha-Chlordane	0.0246	0.0301	J	ug/L		122	50 - 150
Anthracene	0.0197	0.0216		ug/L		109	50 - 150
Atrazine	0.0493	0.0657		ug/L		133	50 - 150
Benz(a)anthracene	0.0493	0.0564		ug/L		114	50 - 150
Benzo[a]pyrene	0.0197	0.0234		ug/L		119	50 - 150
Benzo[b]fluoranthene	0.0197	0.0199	J	ug/L		101	50 - 150
Benzo[g,h,i]perylene	0.0493	0.0488	J	ug/L		99	50 - 150
Benzo[k]fluoranthene	0.0197	0.0221		ug/L		112	50 - 150
beta-BHC	0.0985	0.111		ug/L		112	50 - 150
Bis(2-ethylhexyl) phthalate	0.591	0.646		ug/L		109	50 - 150
Bromacil	0.0985	0.118		ug/L		120	50 - 150
Butachlor	0.0493	0.0582		ug/L		118	50 - 150
Butylbenzylphthalate	0.493	0.560		ug/L		114	50 - 150
Chlorobenzilate	0.0985	0.117		ug/L		119	50 - 150
Chloroneb	0.0985	0.104		ug/L		106	50 - 150
Chlorothalonil (Draconil, Bravo)	0.0985	0.134		ug/L		136	50 - 150
Chlorpyrifos	0.0493	0.0663		ug/L		135	50 - 150
Chrysene	0.0197	0.0204		ug/L		104	50 - 150
delta-BHC	0.0985	0.0969	J	ug/L		98	50 - 150
Di(2-ethylhexyl)adipate	0.591	0.785		ug/L		133	50 - 150
Dibenz(a,h)anthracene	0.0493	0.0464	J	ug/L		94	50 - 150
Diclorvos (DDVP)	0.0493	0.0558		ug/L		113	50 - 150
Dieldrin	0.00985	0.00917	J	ug/L		93	50 - 150
Diethylphthalate	0.493	0.542		ug/L		110	50 - 150
Dimethylphthalate	0.493	0.502		ug/L		102	50 - 150
Di-n-butyl phthalate	0.493	0.513	J	ug/L		104	49 - 243
Di-n-octyl phthalate	0.0985	0.107		ug/L		108	50 - 150
Endosulfan I (Alpha)	0.0985	0.0908	J	ug/L		92	50 - 150
Endosulfan II (Beta)	0.0985	0.0943	J	ug/L		96	50 - 150
Endosulfan sulfate	0.0985	0.109		ug/L		111	50 - 150
Endrin	0.00985	0.00937	J	ug/L		95	50 - 150
Endrin aldehyde	0.0985	0.130		ug/L		132	50 - 150
EPTC	0.0985	0.108		ug/L		110	50 - 150
Fluoranthene	0.0985	0.102		ug/L		104	50 - 150
Fluorene	0.0493	0.0510		ug/L		104	50 - 150
gamma-Chlordane	0.0246	0.0287	J	ug/L		117	50 - 150
Heptachlor	0.00985	0.0128		ug/L		129	50 - 150
Hexachlorobenzene	0.0493	0.0448	J	ug/L		91	50 - 150
Hexachlorocyclopentadiene	0.0493	0.0473	J	ug/L		96	50 - 150
Indeno[1,2,3-cd]pyrene	0.0493	0.0520		ug/L		105	50 - 150
Isophorone	0.0985	0.109		ug/L		110	50 - 150
Lindane	0.00985	0.00983	J	ug/L		100	50 - 150
Malathion	0.0985	0.109		ug/L		111	50 - 150
Methoxychlor	0.0493	0.0579		ug/L		118	50 - 150
Metolachlor	0.0493	0.0546		ug/L		111	50 - 150

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QC Sample Results

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

Job ID: 380-189446-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)

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

Lab Sample ID: MRL 380-195112/21-A
Matrix: Water
Analysis Batch: 195340

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 195112

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Molinate	0.0985	0.128		ug/L		130	50 - 150
Naphthalene	0.0985	0.112		ug/L		113	50 - 150
Parathion	0.0985	0.0885	J	ug/L		90	50 - 150
Pendimethalin (Penoxaline)	0.0985	0.0914	J	ug/L		93	50 - 150
Phenanthrene	0.0394	0.0469		ug/L		119	50 - 150
Propachlor	0.0493	0.0575		ug/L		117	50 - 150
Pyrene	0.0493	0.0565		ug/L		115	50 - 150
Simazine	0.0493	0.0549		ug/L		111	50 - 150
Terbacil	0.0985	0.101		ug/L		103	50 - 150
Terbutylazine	0.0985	0.108		ug/L		109	50 - 150
Thiobencarb	0.0985	0.113		ug/L		114	50 - 150
trans-Nonachlor	0.0246	<0.026		ug/L		103	50 - 150
Trifluralin	0.0985	0.101		ug/L		103	50 - 150

Surrogate	MRL %Recovery	MRL Qualifier	Limits
2-Nitro-m-xylene	95		70 - 130
Perylene-d12	88		70 - 130
Triphenylphosphate	104		70 - 130

Lab Sample ID: MRL 380-195112/21-A
Matrix: Water
Analysis Batch: 195640

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 195112

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Heptachlor epoxide (isomer B)	0.00985	0.00982	J	ug/L		100	50 - 150

Surrogate	MRL %Recovery	MRL Qualifier	Limits
2-Nitro-m-xylene	95		70 - 130
Perylene-d12	88		70 - 130
Triphenylphosphate	106		70 - 130

Lab Sample ID: 380-189454-I-1-A MS
Matrix: Water
Analysis Batch: 195340

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 195112

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.097		1.94	1.99		ug/L		102	70 - 130
2,4'-DDD	<0.097		1.94	1.89		ug/L		98	70 - 130
2,4'-DDE	<0.097		1.94	1.99		ug/L		103	70 - 130
2,4'-DDT	<0.097		1.94	1.78		ug/L		92	70 - 130
2,4-Dinitrotoluene	<0.097		1.94	2.22		ug/L		115	70 - 130
2,6-Dinitrotoluene	<0.097		1.94	2.05		ug/L		106	70 - 130
2-Methylnaphthalene	<0.097		1.94	1.97		ug/L		101	70 - 130
4,4'-DDD	<0.097		1.94	1.93		ug/L		100	70 - 130
4,4'-DDE	<0.097		1.94	1.90		ug/L		98	70 - 130
4,4'-DDT	<0.097		1.94	1.78		ug/L		92	70 - 130
Acenaphthene	<0.097		1.94	1.98		ug/L		102	70 - 130
Acenaphthylene	<0.097		1.94	2.14		ug/L		111	70 - 130

QC Sample Results

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

Job ID: 380-189446-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)

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

Lab Sample ID: 380-189454-I-1-A MS

Client Sample ID: Matrix Spike

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 195340

Prep Batch: 195112

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier	Added	Result	Qualifier				
Acetochlor	<0.097		1.94	2.14		ug/L		111	70 - 130
Alachlor	<0.049		1.94	2.22		ug/L		115	70 - 130
alpha-BHC	<0.097		1.94	2.07		ug/L		107	70 - 130
alpha-Chlordane	<0.049		1.94	1.76		ug/L		91	70 - 130
Anthracene	<0.019		1.94	1.95		ug/L		101	70 - 130
Atrazine	<0.049		1.94	1.97		ug/L		102	70 - 130
Benz(a)anthracene	<0.049		1.94	1.86		ug/L		96	70 - 130
Benzo[a]pyrene	<0.019		1.94	2.01		ug/L		104	70 - 130
Benzo[b]fluoranthene	<0.019		1.94	2.03		ug/L		105	70 - 130
Benzo[g,h,i]perylene	<0.049		1.94	2.11		ug/L		109	70 - 130
Benzo[k]fluoranthene	<0.019		1.94	1.72		ug/L		89	70 - 130
beta-BHC	<0.097		1.94	2.10		ug/L		109	70 - 130
Bis(2-ethylhexyl) phthalate	<0.58		1.94	1.95		ug/L		101	70 - 130
Bromacil	<0.097		1.94	1.96		ug/L		101	70 - 130
Butachlor	<0.049		1.94	2.29		ug/L		118	70 - 130
Butylbenzylphthalate	<0.49		1.94	2.32		ug/L		120	70 - 130
Chlorobenzilate	<0.097		1.94	2.10		ug/L		109	70 - 130
Chloroneb	<0.097		1.94	2.07		ug/L		107	70 - 130
Chlorothalonil (Draconil, Bravo)	<0.097		1.94	2.21		ug/L		114	70 - 130
Chlorpyrifos	<0.049		1.94	1.88		ug/L		97	70 - 130
Chrysene	<0.019		1.94	1.66		ug/L		86	70 - 130
delta-BHC	<0.097		1.94	2.22		ug/L		115	70 - 130
Di(2-ethylhexyl)adipate	<0.58		1.94	2.17		ug/L		112	70 - 130
Dibenz(a,h)anthracene	<0.049		1.94	2.14		ug/L		111	70 - 130
Diclorvos (DDVP)	<0.049		1.94	2.21		ug/L		114	70 - 130
Dieldrin	<0.0097		1.94	2.07		ug/L		107	70 - 130
Diethylphthalate	<0.49		1.94	2.18		ug/L		113	70 - 130
Dimethylphthalate	<0.49		1.94	2.22		ug/L		115	70 - 130
Di-n-butyl phthalate	<0.97		3.87	4.17		ug/L		108	70 - 130
Di-n-octyl phthalate	<0.097		1.94	1.87		ug/L		97	70 - 130
Endosulfan I (Alpha)	<0.097		1.94	1.94		ug/L		100	70 - 130
Endosulfan II (Beta)	<0.097		1.94	2.11		ug/L		109	70 - 130
Endosulfan sulfate	<0.097		1.94	2.16		ug/L		112	70 - 130
Endrin	<0.0097		1.94	2.18		ug/L		112	70 - 130
Endrin aldehyde	<0.097		1.94	1.56		ug/L		81	60 - 130
EPTC	<0.097		1.94	2.27		ug/L		117	70 - 130
Fluoranthene	<0.097		1.94	2.12		ug/L		110	70 - 130
Fluorene	<0.049		1.94	2.14		ug/L		110	70 - 130
gamma-Chlordane	<0.049		1.94	1.80		ug/L		93	70 - 130
Heptachlor	<0.0097		1.94	2.21		ug/L		114	70 - 130
Heptachlor epoxide (isomer B)	<0.0097	^3+	1.94	2.00		ug/L		103	70 - 130
Hexachlorobenzene	<0.049		1.94	2.15		ug/L		111	70 - 130
Hexachlorocyclopentadiene	<0.049		1.94	1.86		ug/L		96	70 - 130
Indeno[1,2,3-cd]pyrene	<0.049		1.94	2.27		ug/L		117	70 - 130
Isophorone	<0.097		1.94	1.93		ug/L		100	70 - 130
Lindane	<0.0097		1.94	2.07		ug/L		107	70 - 130
Malathion	<0.097		1.94	2.15		ug/L		111	70 - 130
Methoxychlor	<0.049		1.94	2.00		ug/L		103	70 - 130
Metolachlor	<0.049		1.94	2.17		ug/L		112	70 - 130

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QC Sample Results

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

Job ID: 380-189446-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)

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

Lab Sample ID: 380-189454-I-1-A MS

Client Sample ID: Matrix Spike

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 195340

Prep Batch: 195112

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier					
Molinate	<0.097		1.94	2.13		ug/L		110	70 - 130	
Naphthalene	<0.097		1.94	1.89		ug/L		98	70 - 130	
Parathion	<0.097		1.94	2.29		ug/L		118	70 - 130	
Pendimethalin (Penoxaline)	<0.097		1.94	2.17		ug/L		112	70 - 130	
Phenanthrene	<0.039		1.94	2.03		ug/L		105	70 - 130	
Propachlor	<0.049		1.94	2.10		ug/L		109	70 - 130	
Pyrene	<0.049		1.94	1.97		ug/L		101	70 - 130	
Simazine	<0.049		1.94	1.96		ug/L		101	70 - 130	
Terbacil	<0.097		1.94	2.16		ug/L		112	70 - 130	
Terbutylazine	<0.097		1.94	2.17		ug/L		112	70 - 130	
Thiobencarb	<0.097		1.94	2.07		ug/L		107	70 - 130	
trans-Nonachlor	<0.049		1.94	1.72		ug/L		89	70 - 130	
Trifluralin	<0.097		1.94	2.09		ug/L		108	70 - 130	
		<i>MS MS</i>								
Surrogate	%Recovery	Qualifier	Limits							
2-Nitro-m-xylene	96		70 - 130							
Perylene-d 12	104		70 - 130							
Triphenylphosphate	107		70 - 130							

Lab Sample ID: 380-189454-J-1-A MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 195340

Prep Batch: 195112

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
1-Methylnaphthalene	<0.097		1.92	2.02		ug/L		104	70 - 130	1	20
2,4'-DDD	<0.097		1.92	1.91		ug/L		99	70 - 130	1	20
2,4'-DDE	<0.097		1.92	2.03		ug/L		106	70 - 130	2	20
2,4'-DDT	<0.097		1.92	1.81		ug/L		94	70 - 130	2	20
2,4-Dinitrotoluene	<0.097		1.92	2.31		ug/L		120	70 - 130	4	20
2,6-Dinitrotoluene	<0.097		1.92	2.17		ug/L		113	70 - 130	6	20
2-Methylnaphthalene	<0.097		1.92	2.00		ug/L		104	70 - 130	1	20
4,4'-DDD	<0.097		1.92	1.96		ug/L		102	70 - 130	2	20
4,4'-DDE	<0.097		1.92	1.91		ug/L		99	70 - 130	0	20
4,4'-DDT	<0.097		1.92	1.89		ug/L		98	70 - 130	6	20
Acenaphthene	<0.097		1.92	1.96		ug/L		102	70 - 130	1	20
Acenaphthylene	<0.097		1.92	2.20		ug/L		115	70 - 130	3	20
Acetochlor	<0.097		1.92	2.14		ug/L		111	70 - 130	0	20
Alachlor	<0.049		1.92	2.22		ug/L		115	70 - 130	0	20
alpha-BHC	<0.097		1.92	2.15		ug/L		112	70 - 130	4	20
alpha-Chlordane	<0.049		1.92	1.82		ug/L		95	70 - 130	3	20
Anthracene	<0.019		1.92	1.96		ug/L		102	70 - 130	1	20
Atrazine	<0.049		1.92	2.08		ug/L		108	70 - 130	5	20
Benz(a)anthracene	<0.049		1.92	1.91		ug/L		99	70 - 130	2	20
Benzo[a]pyrene	<0.019		1.92	1.98		ug/L		103	70 - 130	1	20
Benzo[b]fluoranthene	<0.019		1.92	1.97		ug/L		103	70 - 130	3	20
Benzo[g,h,i]perylene	<0.049		1.92	2.04		ug/L		106	70 - 130	3	20
Benzo[k]fluoranthene	<0.019		1.92	1.71		ug/L		89	70 - 130	1	20
beta-BHC	<0.097		1.92	2.16		ug/L		112	70 - 130	2	20

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QC Sample Results

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

Job ID: 380-189446-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)

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

Lab Sample ID: 380-189454-J-1-A MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 195340

Prep Batch: 195112

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
Bis(2-ethylhexyl) phthalate	<0.58		1.92	1.93		ug/L		100	70 - 130	1	20
Bromacil	<0.097		1.92	1.94		ug/L		101	70 - 130	1	20
Butachlor	<0.049		1.92	2.26		ug/L		118	70 - 130	1	20
Butylbenzylphthalate	<0.49		1.92	2.29		ug/L		119	70 - 130	1	20
Chlorobenzilate	<0.097		1.92	2.11		ug/L		110	70 - 130	0	20
Chloroneb	<0.097		1.92	2.13		ug/L		111	70 - 130	3	20
Chlorothalonil (Draconil, Bravo)	<0.097		1.92	2.27		ug/L		118	70 - 130	3	20
Chlorpyrifos	<0.049		1.92	1.95		ug/L		102	70 - 130	4	20
Chrysene	<0.019		1.92	1.63		ug/L		85	70 - 130	2	20
delta-BHC	<0.097		1.92	2.22		ug/L		116	70 - 130	0	20
Di(2-ethylhexyl)adipate	<0.58		1.92	2.19		ug/L		114	70 - 130	1	20
Dibenz(a,h)anthracene	<0.049		1.92	2.12		ug/L		110	70 - 130	1	20
Diclorvos (DDVP)	<0.049		1.92	2.32		ug/L		121	70 - 130	5	20
Dieldrin	<0.0097		1.92	2.10		ug/L		109	70 - 130	1	20
Diethylphthalate	<0.49		1.92	2.30		ug/L		120	70 - 130	5	20
Dimethylphthalate	<0.49		1.92	2.29		ug/L		119	70 - 130	3	20
Di-n-butyl phthalate	<0.97		3.84	4.18		ug/L		109	70 - 130	0	20
Di-n-octyl phthalate	<0.097		1.92	1.79		ug/L		93	70 - 130	4	20
Endosulfan I (Alpha)	<0.097		1.92	1.91		ug/L		100	70 - 130	2	20
Endosulfan II (Beta)	<0.097		1.92	2.10		ug/L		109	70 - 130	1	20
Endosulfan sulfate	<0.097		1.92	2.18		ug/L		114	70 - 130	1	20
Endrin	<0.0097		1.92	2.21		ug/L		115	70 - 130	2	20
Endrin aldehyde	<0.097		1.92	1.58		ug/L		82	60 - 130	1	20
EPTC	<0.097		1.92	2.32		ug/L		121	70 - 130	2	20
Fluoranthene	<0.097		1.92	2.12		ug/L		110	70 - 130	0	20
Fluorene	<0.049		1.92	2.17		ug/L		113	70 - 130	1	20
gamma-Chlordane	<0.049		1.92	1.88		ug/L		98	70 - 130	4	20
Heptachlor	<0.0097		1.92	2.25		ug/L		117	70 - 130	2	20
Heptachlor epoxide (isomer B)	<0.0097	^3+	1.92	1.98		ug/L		103	70 - 130	1	20
Hexachlorobenzene	<0.049		1.92	2.17		ug/L		113	70 - 130	1	20
Hexachlorocyclopentadiene	<0.049		1.92	2.01		ug/L		105	70 - 130	8	20
Indeno[1,2,3-cd]pyrene	<0.049		1.92	2.24		ug/L		117	70 - 130	2	20
Isophorone	<0.097		1.92	1.96		ug/L		102	70 - 130	1	20
Lindane	<0.0097		1.92	2.14		ug/L		111	70 - 130	3	20
Malathion	<0.097		1.92	2.18		ug/L		114	70 - 130	1	20
Methoxychlor	<0.049		1.92	2.04		ug/L		106	70 - 130	2	20
Metolachlor	<0.049		1.92	2.14		ug/L		112	70 - 130	2	20
Molinate	<0.097		1.92	2.19		ug/L		114	70 - 130	3	20
Naphthalene	<0.097		1.92	1.93		ug/L		101	70 - 130	2	20
Parathion	<0.097		1.92	2.33		ug/L		121	70 - 130	2	20
Pendimethalin (Penoxaline)	<0.097		1.92	2.24		ug/L		117	70 - 130	3	20
Phenanthrene	<0.039		1.92	2.02		ug/L		105	70 - 130	1	20
Propachlor	<0.049		1.92	2.15		ug/L		112	70 - 130	2	20
Pyrene	<0.049		1.92	1.96		ug/L		102	70 - 130	1	20
Simazine	<0.049		1.92	1.99		ug/L		104	70 - 130	2	20
Terbacil	<0.097		1.92	2.17		ug/L		113	70 - 130	0	20
Terbuthylazine	<0.097		1.92	2.24		ug/L		117	70 - 130	3	20
Thiobencarb	<0.097		1.92	2.10		ug/L		109	70 - 130	1	20
trans-Nonachlor	<0.049		1.92	1.71		ug/L		89	70 - 130	1	20

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QC Sample Results

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

Job ID: 380-189446-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)

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

Lab Sample ID: 380-189454-J-1-A MSD
Matrix: Water
Analysis Batch: 195340

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 195112

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Trifluralin	<0.097		1.92	2.16		ug/L		113	70 - 130	3	20
MSD MSD											
Surrogate	%Recovery	Qualifier	Limits								
2-Nitro-m-xylene	97		70 - 130								
Perylene-d12	105		70 - 130								
Triphenylphosphate	108		70 - 130								

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

Lab Sample ID: MB 570-676536/1-A
Matrix: Water
Analysis Batch: 681247

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 676536

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	12/29/25 17:40	01/12/26 13:11	1
MB MB									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	64		33 - 139				12/29/25 17:40	01/12/26 13:11	1
2-Fluorobiphenyl (Surr)	80		33 - 126				12/29/25 17:40	01/12/26 13:11	1
2-Fluorophenol (Surr)	55		12 - 120				12/29/25 17:40	01/12/26 13:11	1
Nitrobenzene-d5 (Surr)	92		36 - 120				12/29/25 17:40	01/12/26 13:11	1
Phenol-d6 (Surr)	34		10 - 120				12/29/25 17:40	01/12/26 13:11	1
p-Terphenyl-d14 (Surr)	83		47 - 131				12/29/25 17:40	01/12/26 13:11	1

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

Lab Sample ID: MB 570-676536/1-A
Matrix: Water
Analysis Batch: 679030

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 676536

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.20		0.20	ug/L		12/29/25 17:40	01/06/26 10:13	1
2-Methylnaphthalene	<0.20		0.20	ug/L		12/29/25 17:40	01/06/26 10:13	1
Acenaphthene	<0.20		0.20	ug/L		12/29/25 17:40	01/06/26 10:13	1
Acenaphthylene	<0.20		0.20	ug/L		12/29/25 17:40	01/06/26 10:13	1
Anthracene	<0.20		0.20	ug/L		12/29/25 17:40	01/06/26 10:13	1
Benzo[a]anthracene	<0.20		0.20	ug/L		12/29/25 17:40	01/06/26 10:13	1
Benzo[a]pyrene	<0.20		0.20	ug/L		12/29/25 17:40	01/06/26 10:13	1
Benzo[b]fluoranthene	<0.20		0.20	ug/L		12/29/25 17:40	01/06/26 10:13	1
Benzo[g,h,i]perylene	<0.20		0.20	ug/L		12/29/25 17:40	01/06/26 10:13	1
Benzo[k]fluoranthene	<0.20		0.20	ug/L		12/29/25 17:40	01/06/26 10:13	1
Chrysene	<0.20		0.20	ug/L		12/29/25 17:40	01/06/26 10:13	1
Dibenz(a,h)anthracene	<0.20		0.20	ug/L		12/29/25 17:40	01/06/26 10:13	1
Fluoranthene	<0.20		0.20	ug/L		12/29/25 17:40	01/06/26 10:13	1
Fluorene	<0.20		0.20	ug/L		12/29/25 17:40	01/06/26 10:13	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20	ug/L		12/29/25 17:40	01/06/26 10:13	1
Naphthalene	<0.20		0.20	ug/L		12/29/25 17:40	01/06/26 10:13	1
Phenanthrene	<0.20		0.20	ug/L		12/29/25 17:40	01/06/26 10:13	1

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QC Sample Results

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

Job ID: 380-189446-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)

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

Lab Sample ID: MB 570-676536/1-A

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 679030

Prep Batch: 676536

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	<0.20		0.20	ug/L		12/29/25 17:40	01/06/26 10:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	80		28 - 127			12/29/25 17:40	01/06/26 10:13	1
2-Fluorobiphenyl (Surr)	80		31 - 120			12/29/25 17:40	01/06/26 10:13	1
2-Fluorophenol (Surr)	54		17 - 120			12/29/25 17:40	01/06/26 10:13	1
Nitrobenzene-d5 (Surr)	83		27 - 120			12/29/25 17:40	01/06/26 10:13	1
Phenol-d6 (Surr)	35		10 - 120			12/29/25 17:40	01/06/26 10:13	1
p-Terphenyl-d14 (Surr)	83		45 - 120			12/29/25 17:40	01/06/26 10:13	1

Lab Sample ID: LCS 570-676536/2-A

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 679030

Prep Batch: 676536

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	20.0	18.1		ug/L		90	47 - 120
2-Methylnaphthalene	20.0	18.4		ug/L		92	43 - 120
Acenaphthene	20.0	17.7		ug/L		88	60 - 132
Acenaphthylene	20.0	17.7		ug/L		89	54 - 126
Anthracene	20.0	19.0		ug/L		95	43 - 120
Benzo[a]anthracene	20.0	20.6		ug/L		103	42 - 133
Benzo[a]pyrene	20.0	19.8		ug/L		99	32 - 148
Benzo[b]fluoranthene	20.0	20.6		ug/L		103	42 - 140
Benzo[g,h,i]perylene	20.0	21.1		ug/L		105	1 - 195
Benzo[k]fluoranthene	20.0	18.8		ug/L		94	25 - 146
Chrysene	20.0	19.0		ug/L		95	44 - 140
Dibenz(a,h)anthracene	20.0	22.9		ug/L		115	1 - 200
Fluoranthene	20.0	19.2		ug/L		96	43 - 121
Fluorene	20.0	17.8		ug/L		89	70 - 120
Indeno[1,2,3-cd]pyrene	20.0	23.8		ug/L		119	1 - 151
Naphthalene	20.0	17.2		ug/L		86	36 - 120
Phenanthrene	20.0	18.0		ug/L		90	65 - 120
Pyrene	20.0	19.6		ug/L		98	70 - 120
Surrogate	%Recovery	Qualifier	Limits				
2,4,6-Tribromophenol (Surr)	84		28 - 127				
2-Fluorobiphenyl (Surr)	82		31 - 120				
2-Fluorophenol (Surr)	64		17 - 120				
Nitrobenzene-d5 (Surr)	86		27 - 120				
Phenol-d6 (Surr)	42		10 - 120				
p-Terphenyl-d14 (Surr)	92		45 - 120				

Lab Sample ID: LCSD 570-676536/3-A

Client Sample ID: Lab Control Sample Dup

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 679030

Prep Batch: 676536

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	20.0	20.4		ug/L		102	47 - 120	12	20

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QC Sample Results

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

Job ID: 380-189446-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)

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

Lab Sample ID: LCSD 570-676536/3-A

Client Sample ID: Lab Control Sample Dup

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 679030

Prep Batch: 676536

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Methylnaphthalene	20.0	20.1		ug/L		100	43 - 120	9	20
Acenaphthene	20.0	19.2		ug/L		96	60 - 132	8	29
Acenaphthylene	20.0	19.2		ug/L		96	54 - 126	8	45
Anthracene	20.0	20.7		ug/L		103	43 - 120	8	40
Benzo[a]anthracene	20.0	22.2		ug/L		111	42 - 133	8	32
Benzo[a]pyrene	20.0	21.2		ug/L		106	32 - 148	6	43
Benzo[b]fluoranthene	20.0	21.6		ug/L		108	42 - 140	5	43
Benzo[g,h,i]perylene	20.0	22.1		ug/L		110	1 - 195	5	61
Benzo[k]fluoranthene	20.0	20.3		ug/L		102	25 - 146	8	38
Chrysene	20.0	20.3		ug/L		102	44 - 140	7	53
Dibenz(a,h)anthracene	20.0	24.0		ug/L		120	1 - 200	4	75
Fluoranthene	20.0	21.0		ug/L		105	43 - 121	9	40
Fluorene	20.0	19.6		ug/L		98	70 - 120	10	23
Indeno[1,2,3-cd]pyrene	20.0	24.9		ug/L		124	1 - 151	5	60
Naphthalene	20.0	19.2		ug/L		96	36 - 120	11	39
Phenanthrene	20.0	19.8		ug/L		99	65 - 120	9	24
Pyrene	20.0	21.3		ug/L		107	70 - 120	8	30

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol (Surr)	90		28 - 127
2-Fluorobiphenyl (Surr)	87		31 - 120
2-Fluorophenol (Surr)	69		17 - 120
Nitrobenzene-d5 (Surr)	93		27 - 120
Phenol-d6 (Surr)	45		10 - 120
p-Terphenyl-d14 (Surr)	96		45 - 120

Lab Sample ID: 380-189446-1 MS

Client Sample ID: HALAWA WELLS UNITS 1 & 2 (331-206-TP065)

Matrix: Drinking Water

Prep Type: Total/NA

Analysis Batch: 679030

Prep Batch: 676536

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec Limits
				Result	Qualifier				
1-Methylnaphthalene	<0.19		19.0	17.4		ug/L		91	36 - 120
2-Methylnaphthalene	<0.19		19.0	17.5		ug/L		92	32 - 124
Acenaphthene	<0.19		19.0	20.8		ug/L		109	47 - 145
Acenaphthylene	<0.19		19.0	21.4		ug/L		112	33 - 145
Anthracene	<0.19		19.0	21.4		ug/L		112	27 - 133
Benzo[a]anthracene	<0.19		19.0	23.1		ug/L		121	33 - 143
Benzo[a]pyrene	<0.19		19.0	22.3		ug/L		117	17 - 163
Benzo[b]fluoranthene	<0.19		19.0	22.5		ug/L		117	24 - 159
Benzo[g,h,i]perylene	<0.19		19.0	21.1		ug/L		110	1 - 219
Benzo[k]fluoranthene	<0.19		19.0	21.1		ug/L		110	11 - 162
Chrysene	<0.19		19.0	21.1		ug/L		111	17 - 168
Dibenz(a,h)anthracene	0.21		19.0	22.8		ug/L		118	1 - 227
Fluoranthene	<0.19		19.0	22.2		ug/L		116	26 - 137
Fluorene	<0.19		19.0	21.1		ug/L		111	59 - 121
Indeno[1,2,3-cd]pyrene	0.21		19.0	23.7		ug/L		123	1 - 171
Naphthalene	<0.19		19.0	16.0		ug/L		84	21 - 133
Phenanthrene	<0.19		19.0	20.6		ug/L		108	54 - 120

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QC Sample Results

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

Job ID: 380-189446-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)

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

Lab Sample ID: 380-189446-1 MS

Client Sample ID: HALAWA WELLS UNITS 1 & 2 (331-206-TP065)

Matrix: Drinking Water

Prep Type: Total/NA

Analysis Batch: 679030

Prep Batch: 676536

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Pyrene	<0.19		19.0	22.4		ug/L		118	52 - 120
MS MS									
Surrogate	%Recovery	Qualifier	Limits						
2,4,6-Tribromophenol (Surr)	100		28 - 127						
2-Fluorobiphenyl (Surr)	101		31 - 120						
2-Fluorophenol (Surr)	75		17 - 120						
Nitrobenzene-d5 (Surr)	86		27 - 120						
Phenol-d6 (Surr)	48		10 - 120						
p-Terphenyl-d14 (Surr)	106		45 - 120						

Lab Sample ID: 380-189446-1 MSD

Client Sample ID: HALAWA WELLS UNITS 1 & 2 (331-206-TP065)

Matrix: Drinking Water

Prep Type: Total/NA

Analysis Batch: 679030

Prep Batch: 676536

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
1-Methylnaphthalene	<0.19		19.3	18.8		ug/L		97	36 - 120	8	30
2-Methylnaphthalene	<0.19		19.3	18.8		ug/L		97	32 - 124	7	30
Acenaphthene	<0.19		19.3	18.3		ug/L		95	47 - 145	13	48
Acenaphthylene	<0.19		19.3	18.6		ug/L		97	33 - 145	14	74
Anthracene	<0.19		19.3	18.3		ug/L		95	27 - 133	15	66
Benzo[a]anthracene	<0.19		19.3	20.1		ug/L		104	33 - 143	14	53
Benzo[a]pyrene	<0.19		19.3	19.0		ug/L		99	17 - 163	16	72
Benzo[b]fluoranthene	<0.19		19.3	19.7		ug/L		101	24 - 159	13	71
Benzo[g,h,i]perylene	<0.19		19.3	18.6		ug/L		96	1 - 219	13	97
Benzo[k]fluoranthene	<0.19		19.3	18.1		ug/L		93	11 - 162	15	63
Chrysene	<0.19		19.3	18.4		ug/L		96	17 - 168	13	87
Dibenz(a,h)anthracene	0.21		19.3	20.1		ug/L		103	1 - 227	12	126
Fluoranthene	<0.19		19.3	19.6		ug/L		101	26 - 137	13	66
Fluorene	<0.19		19.3	18.4		ug/L		96	59 - 121	13	38
Indeno[1,2,3-cd]pyrene	0.21		19.3	21.0		ug/L		108	1 - 171	12	99
Naphthalene	<0.19		19.3	17.9		ug/L		93	21 - 133	11	65
Phenanthrene	<0.19		19.3	18.3		ug/L		95	54 - 120	11	39
Pyrene	<0.19		19.3	19.6		ug/L		101	52 - 120	14	49
MSD MSD											
Surrogate	%Recovery	Qualifier	Limits								
2,4,6-Tribromophenol (Surr)	91		28 - 127								
2-Fluorobiphenyl (Surr)	91		31 - 120								
2-Fluorophenol (Surr)	67		17 - 120								
Nitrobenzene-d5 (Surr)	95		27 - 120								
Phenol-d6 (Surr)	43		10 - 120								
p-Terphenyl-d14 (Surr)	94		45 - 120								

QC Sample Results

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

Job ID: 380-189446-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)

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

Lab Sample ID: MB 570-675935/6
Matrix: Water
Analysis Batch: 675935

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			12/28/25 12:55	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		38 - 134				12/28/25 12:55	1

Lab Sample ID: LCS 570-675935/4
Matrix: Water
Analysis Batch: 675935

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	389		ug/L		97	78 - 120
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	100		38 - 134				

Lab Sample ID: LCSD 570-675935/5
Matrix: Water
Analysis Batch: 675935

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	396		ug/L		99	78 - 120	2	10
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	105		38 - 134						

Lab Sample ID: MRL 570-675935/3
Matrix: Water
Analysis Batch: 675935

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (C4-C13)	10.0	11.9		ug/L		119	50 - 150
Surrogate	MRL %Recovery	MRL Qualifier	Limits				
4-Bromofluorobenzene (Surr)	93		38 - 134				

Lab Sample ID: 380-189446-1 MS
Matrix: Drinking Water
Analysis Batch: 675935

Client Sample ID: HALAWA WELLS UNITS 1 & 2 (331-206-TP065)
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	412		ug/L		103	68 - 122
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	103		38 - 134						

QC Sample Results

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

Job ID: 380-189446-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)

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

Lab Sample ID: 380-189446-1 MSD
Matrix: Drinking Water
Analysis Batch: 675935

Client Sample ID: HALAWA WELLS UNITS 1 & 2 (331-206-TP065)
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	383		ug/L		96	68 - 122	7	18
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	101		38 - 134								

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

Lab Sample ID: MB 570-676526/1-A
Matrix: Water
Analysis Batch: 680110

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 676526

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<25		25	ug/L		12/29/25 17:18	01/08/26 17:45	1
Motor Oil Range Organics [C24-C36]	<25		25	ug/L		12/29/25 17:18	01/08/26 17:45	1
C8-C18	<25		25	ug/L		12/29/25 17:18	01/08/26 17:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	132	S1+	60 - 130			12/29/25 17:18	01/08/26 17:45	1

Lab Sample ID: LCS 570-676526/2-A
Matrix: Water
Analysis Batch: 679396

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 676526

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
C10-C28	1600	1550		ug/L		97	56 - 127
Surrogate	%Recovery	Qualifier	Limits				
n-Octacosane (Surr)	147	S1+	60 - 130				

Lab Sample ID: LCSD 570-676526/3-A
Matrix: Water
Analysis Batch: 679396

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 676526

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28	1600	1430		ug/L		90	56 - 127	8	23
Surrogate	%Recovery	Qualifier	Limits						
n-Octacosane (Surr)	133	S1+	60 - 130						

Lab Sample ID: MRL 570-676526/4-A
Matrix: Water
Analysis Batch: 680110

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 676526

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
C10-C28	0.0200	0.0223	J	mg/L		112	50 - 150

QC Sample Results

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

Job ID: 380-189446-1
 SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)

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

Lab Sample ID: MRL 570-676526/4-A
Matrix: Water
Analysis Batch: 680110

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 676526

<i>Surrogate</i>	<i>%Recovery</i>	<i>MRL MRL Qualifier</i>	<i>Limits</i>
<i>n-Octacosane (Surr)</i>	124		60 - 130

Lab Sample ID: 380-189446-1 MS
Matrix: Drinking Water
Analysis Batch: 680110

Client Sample ID: HALAWA WELLS UNITS 1 & 2 (331-206-TP065)
Prep Type: Total/NA
Prep Batch: 676526

<i>Analyte</i>	<i>Sample Result</i>	<i>Sample Qualifier</i>	<i>Spike Added</i>	<i>MS Result</i>	<i>MS Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec Limits</i>
C10-C28	<26		1670	1580		ug/L		95	70 - 130

<i>Surrogate</i>	<i>%Recovery</i>	<i>MS MS Qualifier</i>	<i>Limits</i>
<i>n-Octacosane (Surr)</i>	124		60 - 130

Lab Sample ID: 380-189446-1 MSD
Matrix: Drinking Water
Analysis Batch: 680110

Client Sample ID: HALAWA WELLS UNITS 1 & 2 (331-206-TP065)
Prep Type: Total/NA
Prep Batch: 676526

<i>Analyte</i>	<i>Sample Result</i>	<i>Sample Qualifier</i>	<i>Spike Added</i>	<i>MSD Result</i>	<i>MSD Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec Limits</i>	<i>RPD</i>	<i>RPD Limit</i>
C10-C28	<26		1630	1430		ug/L		87	70 - 130	10	20

<i>Surrogate</i>	<i>%Recovery</i>	<i>MSD MSD Qualifier</i>	<i>Limits</i>
<i>n-Octacosane (Surr)</i>	111		60 - 130

QC Association Summary

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

Job ID: 380-189446-1
 SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)

GC/MS Semi VOA

Prep Batch: 195112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-189446-1	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)	Total/NA	Drinking Water	525.2	
MB 380-195112/20-A	Method Blank	Total/NA	Water	525.2	
LCS 380-195112/22-A	Lab Control Sample	Total/NA	Water	525.2	
MRL 380-195112/21-A	Lab Control Sample	Total/NA	Water	525.2	
380-189454-I-1-A MS	Matrix Spike	Total/NA	Water	525.2	
380-189454-J-1-A MSD	Matrix Spike Duplicate	Total/NA	Water	525.2	

Analysis Batch: 195340

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-189446-1	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)	Total/NA	Drinking Water	525.2	195112
MB 380-195112/20-A	Method Blank	Total/NA	Water	525.2	195112
LCS 380-195112/22-A	Lab Control Sample	Total/NA	Water	525.2	195112
MRL 380-195112/21-A	Lab Control Sample	Total/NA	Water	525.2	195112
380-189454-I-1-A MS	Matrix Spike	Total/NA	Water	525.2	195112
380-189454-J-1-A MSD	Matrix Spike Duplicate	Total/NA	Water	525.2	195112

Analysis Batch: 195640

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-189446-1	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)	Total/NA	Drinking Water	525.2	195112
MRL 380-195112/21-A	Lab Control Sample	Total/NA	Water	525.2	195112

Prep Batch: 676536

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-189446-1	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)	Total/NA	Drinking Water	625.1	
380-189446-1 - RA	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)	Total/NA	Drinking Water	625.1	
MB 570-676536/1-A	Method Blank	Total/NA	Water	625.1	
LCS 570-676536/2-A	Lab Control Sample	Total/NA	Water	625.1	
LCSD 570-676536/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	
380-189446-1 MS	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	Total/NA	Drinking Water	625.1	
380-189446-1 MSD	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	Total/NA	Drinking Water	625.1	

Analysis Batch: 679030

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-189446-1	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)	Total/NA	Drinking Water	625.1 SIM	676536
MB 570-676536/1-A	Method Blank	Total/NA	Water	625.1 SIM	676536
LCS 570-676536/2-A	Lab Control Sample	Total/NA	Water	625.1 SIM	676536
LCSD 570-676536/3-A	Lab Control Sample Dup	Total/NA	Water	625.1 SIM	676536
380-189446-1 MS	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	Total/NA	Drinking Water	625.1 SIM	676536
380-189446-1 MSD	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	Total/NA	Drinking Water	625.1 SIM	676536

Analysis Batch: 681247

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-189446-1	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)	Total/NA	Drinking Water	625.1	676536
MB 570-676536/1-A	Method Blank	Total/NA	Water	625.1	676536

Analysis Batch: 681754

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-189446-1 - RA	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)	Total/NA	Drinking Water	625.1 SIM	676536

QC Association Summary

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

Job ID: 380-189446-1
 SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)

GC VOA

Analysis Batch: 675935

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-189446-1	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)	Total/NA	Drinking Water	8015B GRO LL	
380-189446-2	TB: HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	Total/NA	Water	8015B GRO LL	
MB 570-675935/6	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-675935/4	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-675935/5	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-675935/3	Lab Control Sample	Total/NA	Water	8015B GRO LL	
380-189446-1 MS	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	Total/NA	Drinking Water	8015B GRO LL	
380-189446-1 MSD	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	Total/NA	Drinking Water	8015B GRO LL	

GC Semi VOA

Prep Batch: 676526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-189446-1 - RA	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)	Total/NA	Drinking Water	3510C	
MB 570-676526/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-676526/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-676526/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MRL 570-676526/4-A	Lab Control Sample	Total/NA	Water	3510C	
380-189446-1 MS	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	Total/NA	Drinking Water	3510C	
380-189446-1 MSD	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	Total/NA	Drinking Water	3510C	

Analysis Batch: 679396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 570-676526/2-A	Lab Control Sample	Total/NA	Water	8015B	676526
LCSD 570-676526/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	676526

Analysis Batch: 680110

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-189446-1 - RA	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)	Total/NA	Drinking Water	8015B	676526
MB 570-676526/1-A	Method Blank	Total/NA	Water	8015B	676526
MRL 570-676526/4-A	Lab Control Sample	Total/NA	Water	8015B	676526
380-189446-1 MS	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	Total/NA	Drinking Water	8015B	676526
380-189446-1 MSD	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	Total/NA	Drinking Water	8015B	676526

Lab Chronicle

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

Job ID: 380-189446-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)

**Client Sample ID: HALAWA WELLS UNITS 1 & 2 P1
(331-206-TP065)**

Lab Sample ID: 380-189446-1

Date Collected: 12/22/25 09:45

Matrix: Drinking Water

Date Received: 12/24/25 10:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			195112	IQ42	EA POM	12/30/25 15:37
Total/NA	Analysis	525.2		1	195640	Q8LA	EA POM	01/04/26 18:38
Total/NA	Prep	525.2			195112	IQ42	EA POM	12/30/25 15:37
Total/NA	Analysis	525.2		1	195340	Q8LA	EA POM	12/31/25 17:48
Total/NA	Prep	625.1			676536	S4EA	EET CAL 4	12/29/25 17:40
Total/NA	Analysis	625.1		1	681247	PQS1	EET CAL 4	01/12/26 13:59
Total/NA	Prep	625.1			676536	S4EA	EET CAL 4	12/29/25 17:40
Total/NA	Analysis	625.1 SIM		1	679030	PQS1	EET CAL 4	01/06/26 09:06
Total/NA	Prep	625.1	RA		676536	S4EA	EET CAL 4	12/29/25 17:40
Total/NA	Analysis	625.1 SIM	RA	1	681754	PQS1	EET CAL 4	01/13/26 20:21
Total/NA	Analysis	8015B GRO LL		1	675935	AJG4	EET CAL 4	12/28/25 17:10
Total/NA	Prep	3510C	RA		676526	EP2G	EET CAL 4	12/29/25 17:18
Total/NA	Analysis	8015B	RA	1	680110	NR	EET CAL 4	01/08/26 18:49

**Client Sample ID: TB: HALAWA WELLS UNITS 1 & 2
(331-206-TP065)**

Lab Sample ID: 380-189446-2

Date Collected: 12/22/25 09:45

Matrix: Water

Date Received: 12/24/25 10:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015B GRO LL		1	675935	AJG4	EET CAL 4	12/28/25 19:46

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: 380-189446-1
 SDG: Weekly: Halawa Wells Units 1&2 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 the governing authority. 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	03-02-26
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 Summary

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

Job ID: 380-189446-1
SDG: Weekly: Halawa Wells Units 1&2 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	02-02-26
USDA	US Federal Programs	525-23-159-97150	06-08-26
Utah	NELAP	CA00111	02-28-26
Washington	State	C916	10-11-26

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Method Summary

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

Job ID: 380-189446-1
SDG: Weekly: Halawa Wells Units 1&2 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: 380-189446-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
380-189446-1	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)	Drinking Water	12/22/25 09:45	12/24/25 10:37	Hawaii
380-189446-2	TB: HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	Water	12/22/25 09:45	12/24/25 10:37	Hawaii

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- 16

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

SHIP DATE: 22DEC25
ACTWGT: 58.00 LB
CAD: 258050552/INET4535

BILL RECIPIENT

TO EUROFINS RECEIVING DEPARTMENT
EUROFINS DRINKING WATER TESTING
941 CORPORATE CENTER DR

POMONA CA 91768

(626) 386-1100

REF:

INV:
PO:

DEPT:

58-108077558F2



2 of 7

TUE - 23 DEC 12:00P
PRIORITY OVERNIGHT

MPS# 8873 5122 3238

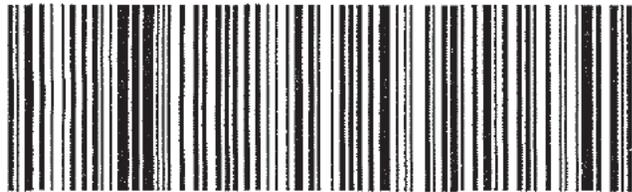
Mstr# 8873 5122 3227

0201

91768

WM ONTA

CA-US ONT



[Handwritten signature] 12/24/25 1533

2-8/28 6214

POW / FROSTON

After printing this label
CONSIGNEE COPY - PLEASE PLACE IN FRONT OF POUCH
1. Fold the printed page along the horizontal line.
2. Place label in shipping pouch and affix it to your shipment.

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Eurofins Eaton Analytical Pomona

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

Chain of Custody Record



eurofins

Loc: 380
189446

Client Information (Sub Contract Lab)		Sampler: N/A		Lab PM: Lopez, Maria		Carrier Tracking No(s): N/A		COC No: 380-289702.1	
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 #: 380-189446-1	
Address: 2841 Dow Avenue, Suite 100, Tustin, CA, 92780		Due Date Requested: 1/8/2026		Analysis Requested				Preservation Codes:	
City: Tustin		TAT Requested (days): N/A							
State, Zip: CA, 92780		PO #: N/A		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		Special Number of containers	
Phone: 714-895-5494 (Tel)		WO #: N/A							
Email: N/A		Project #: 38001111		80168_DRO_LL_CS0510C_LLHNL_Ranger; C1D-C24/C24-C36/C38-C18		80168_GRO_LLUS030C(MOD) GRO		Other: N/A	
Project Name: RED-HILL		S5OW#: N/A		926-1_SIMI625_Prep(MOD) Extended PAH List		926-1625_Prep(MOD) Tentatively Identified Compounds (Hold)		380-189446 Chain of Custody	
Site: Honolulu BWS Sites		Sample Date		Sample Time		Sample Type (C=comp, G=grab)		Matrix (W=water, S=solid, O=soil, BT=Thru, A=Air)	
Sample Identification - Client ID (Lab ID)		Sample Date		Sample Time		Sample Type (C=comp, G=grab)		Matrix (W=water, S=solid, O=soil, BT=Thru, A=Air)	
								Special Instructions/Note:	
HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065) (380-189446)		12/22/25		09:45 Hawaiian		G Water		MRLs are needed. Confirm any hits >RL.	
HALAWA WELLS UNITS 1 & 2 (331-206-TP085) (380-189446-1M)		12/22/25		09:45 Hawaiian		G Water		MRLs are needed. Confirm any hits >RL.	
HALAWA WELLS UNITS 1 & 2 (331-206-TP065) (380-189446-1M)		12/22/25		09:45 Hawaiian		G Water		MRLs are needed. Confirm any hits >RL.	
TB: HALAWA WELLS UNITS 1 & 2 (331-206-TP065) (380-189446)		12/22/25		09:45 Hawaiian		G Water		MRLs are needed.	
<p>Note: Since laboratory accreditations are subject to change, Eurofins Eaton Analytical, 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/test/matrix being analyzed, the samples must be shipped back to the Eurofins Eaton Analytical, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Eaton Analytical, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Eaton Analytical, LLC.</p>									
Possible Hazard Identification					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)				
Unconfirmed					<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months				
Deliverable Requested: I, II, III, IV, Other (specify)					Primary Deliverable Rank: 2				
Empty Kit Relinquished by:					Special Instructions/QC Requirements:				
Relinquished by: <i>Xm</i>		Date/Time: 12/26/25 1130		Company: <i>EAT</i>		Received by: <i>ST</i>		Date/Time: 12-26-25 1130	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 1.912.1 125					

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-189446-1

SDG Number: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)

Login Number: 189446

List Source: Eurofins Pomona

List Number: 1

Creator: Sanchez, Joseph G

Question	Answer	Comment
The coolers custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
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	
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: 380-189446-1
SDG Number: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)

Login Number: 189446

List Number: 2

Creator: Szymborski, Jessica

List Source: Eurofins Calscience

List Creation: 12/26/25 03:25 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	1.9/2.1
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	
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: 380-189446-1
SDG Number: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)

Login Number: 189446

List Number: 3

Creator: Khana, Piyush

List Source: Eurofins Calscience

List Creation: 12/29/25 03:45 PM

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
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?	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	
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	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

