

ANALYTICAL REPORT

PREPARED FOR

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

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JOB DESCRIPTION

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

JOB NUMBER

380-213690-1

Eurofins Pomona

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



Authorized for release by
Maria Lopez, Project Manager
Maria.Lopez@et.eurofinsus.com
(626)386-1100

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Definitions/Glossary

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

Job ID: 380-213690-1
SDG: Weekly: Halawa Wells P1 (MS/MSD)

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA TICs

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

Glossary

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

Case Narrative

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

Job ID: 380-213690-1

Job ID: 380-213690-1

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Job Narrative 380-213690-1

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

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

Receipt

The samples were received on 5/13/2026 9:28 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 2.6°C and 3.6°C.

GC/MS Semi VOA

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

Gasoline Range Organics

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

Diesel Range Organics

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

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Detection Summary

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

Job ID: 380-213690-1
SDG: Weekly: Halawa Wells P1 (MS/MSD)

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

Lab Sample ID: 380-213690-1

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin	0.029		0.0098	ug/L	1		525.2	Total/NA
Heptachlor epoxide (isomer B)	0.014		0.0098	ug/L	1		525.2	Total/NA

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

Lab Sample ID: 380-213690-2

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: 380-213690-1
SDG: Weekly: Halawa Wells P1 (MS/MSD)

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

Lab Sample ID: 380-213690-1

Date Collected: 05/11/26 10:03

Matrix: Drinking Water

Date Received: 05/13/26 09:28

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.098		0.098	ug/L		05/18/26 08:22	05/18/26 15:35	1
2,4'-DDD	<0.098		0.098	ug/L		05/18/26 08:22	05/18/26 15:35	1
2,4'-DDE	<0.098		0.098	ug/L		05/18/26 08:22	05/18/26 15:35	1
2,4'-DDT	<0.098		0.098	ug/L		05/18/26 08:22	05/18/26 15:35	1
2,4-Dinitrotoluene	<0.098		0.098	ug/L		05/18/26 08:22	05/18/26 15:35	1
2,6-Dinitrotoluene	<0.098		0.098	ug/L		05/18/26 08:22	05/18/26 15:35	1
2-Methylnaphthalene	<0.098		0.098	ug/L		05/18/26 08:22	05/18/26 15:35	1
4,4'-DDD	<0.098		0.098	ug/L		05/18/26 08:22	05/18/26 15:35	1
4,4'-DDE	<0.098		0.098	ug/L		05/18/26 08:22	05/18/26 15:35	1
4,4'-DDT	<0.098		0.098	ug/L		05/18/26 08:22	05/18/26 15:35	1
Acenaphthene	<0.098		0.098	ug/L		05/18/26 08:22	05/18/26 15:35	1
Acenaphthylene	<0.098		0.098	ug/L		05/18/26 08:22	05/18/26 15:35	1
Acetochlor	<0.098		0.098	ug/L		05/18/26 08:22	05/18/26 15:35	1
Alachlor	<0.049		0.049	ug/L		05/18/26 08:22	05/18/26 15:35	1
alpha-BHC	<0.098		0.098	ug/L		05/18/26 08:22	05/18/26 15:35	1
alpha-Chlordane	<0.049		0.049	ug/L		05/18/26 08:22	05/18/26 15:35	1
Anthracene	<0.020		0.020	ug/L		05/18/26 08:22	05/18/26 15:35	1
Atrazine	<0.049		0.049	ug/L		05/18/26 08:22	05/18/26 15:35	1
Benz(a)anthracene	<0.049		0.049	ug/L		05/18/26 08:22	05/18/26 15:35	1
Benzo[a]pyrene	<0.020		0.020	ug/L		05/18/26 08:22	05/18/26 15:35	1
Benzo[b]fluoranthene	<0.020		0.020	ug/L		05/18/26 08:22	05/18/26 15:35	1
Benzo[g,h,i]perylene	<0.049		0.049	ug/L		05/18/26 08:22	05/18/26 15:35	1
Benzo[k]fluoranthene	<0.020		0.020	ug/L		05/18/26 08:22	05/18/26 15:35	1
beta-BHC	<0.098		0.098	ug/L		05/18/26 08:22	05/18/26 15:35	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59	ug/L		05/18/26 08:22	05/18/26 15:35	1
Bromacil	<0.098		0.098	ug/L		05/18/26 08:22	05/18/26 15:35	1
Butachlor	<0.049		0.049	ug/L		05/18/26 08:22	05/18/26 15:35	1
Butylbenzylphthalate	<0.49		0.49	ug/L		05/18/26 08:22	05/18/26 15:35	1
Chlorobenzilate	<0.098		0.098	ug/L		05/18/26 08:22	05/18/26 15:35	1
Chloroneb	<0.098		0.098	ug/L		05/18/26 08:22	05/18/26 15:35	1
Chlorothalonil (Draconil, Bravo)	<0.098		0.098	ug/L		05/18/26 08:22	05/18/26 15:35	1
Chlorpyrifos	<0.049		0.049	ug/L		05/18/26 08:22	05/18/26 15:35	1
Chrysene	<0.020		0.020	ug/L		05/18/26 08:22	05/18/26 15:35	1
delta-BHC	<0.098		0.098	ug/L		05/18/26 08:22	05/18/26 15:35	1
Di(2-ethylhexyl)adipate	<0.59		0.59	ug/L		05/18/26 08:22	05/18/26 15:35	1
Dibenz(a,h)anthracene	<0.049		0.049	ug/L		05/18/26 08:22	05/18/26 15:35	1
Diclorvos (DDVP)	<0.049		0.049	ug/L		05/18/26 08:22	05/18/26 15:35	1
Dieldrin	0.029		0.0098	ug/L		05/18/26 08:22	05/18/26 15:35	1
Diethylphthalate	<0.49		0.49	ug/L		05/18/26 08:22	05/18/26 15:35	1
Dimethylphthalate	<0.49		0.49	ug/L		05/18/26 08:22	05/18/26 15:35	1
Di-n-butyl phthalate	<0.98		0.98	ug/L		05/18/26 08:22	05/18/26 15:35	1
Di-n-octyl phthalate	<0.098		0.098	ug/L		05/18/26 08:22	05/18/26 15:35	1
Endosulfan I (Alpha)	<0.098		0.098	ug/L		05/18/26 08:22	05/18/26 15:35	1
Endosulfan II (Beta)	<0.098		0.098	ug/L		05/18/26 08:22	05/18/26 15:35	1
Endosulfan sulfate	<0.098		0.098	ug/L		05/18/26 08:22	05/18/26 15:35	1
Endrin	<0.0098		0.0098	ug/L		05/18/26 08:22	05/18/26 15:35	1
Endrin aldehyde	<0.098		0.098	ug/L		05/18/26 08:22	05/18/26 15:35	1
EPTC	<0.098		0.098	ug/L		05/18/26 08:22	05/18/26 15:35	1
Fluoranthene	<0.098		0.098	ug/L		05/18/26 08:22	05/18/26 15:35	1

Client Sample Results

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

Job ID: 380-213690-1
 SDG: Weekly: Halawa Wells P1 (MS/MSD)

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

Lab Sample ID: 380-213690-1

Date Collected: 05/11/26 10:03

Matrix: Drinking Water

Date Received: 05/13/26 09:28

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.19		0.19	ug/L		05/17/26 08:58	05/20/26 02:44	1
Indeno[1,2,3-cd]pyrene	<0.19		0.19	ug/L		05/17/26 08:58	05/20/26 02:44	1
Naphthalene	<0.19		0.19	ug/L		05/17/26 08:58	05/20/26 02:44	1
Phenanthrene	<0.19		0.19	ug/L		05/17/26 08:58	05/20/26 02:44	1
Pyrene	<0.19		0.19	ug/L		05/17/26 08:58	05/20/26 02:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	89		28 - 127	05/17/26 08:58	05/20/26 02:44	1
2-Fluorobiphenyl (Surr)	82		31 - 120	05/17/26 08:58	05/20/26 02:44	1
2-Fluorophenol (Surr)	50		17 - 120	05/17/26 08:58	05/20/26 02:44	1
Nitrobenzene-d5 (Surr)	86		27 - 120	05/17/26 08:58	05/20/26 02:44	1
Phenol-d6 (Surr)	29		10 - 120	05/17/26 08:58	05/20/26 02:44	1
p-Terphenyl-d14 (Surr)	83		45 - 120	05/17/26 08:58	05/20/26 02:44	1

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

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A	05/17/26 08:58	05/26/26 12:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	72		33 - 139	05/17/26 08:58	05/26/26 12:44	1
2-Fluorobiphenyl (Surr)	89		33 - 126	05/17/26 08:58	05/26/26 12:44	1
2-Fluorophenol (Surr)	59		12 - 120	05/17/26 08:58	05/26/26 12:44	1
Nitrobenzene-d5 (Surr)	88		36 - 120	05/17/26 08:58	05/26/26 12:44	1
Phenol-d6 (Surr)	33		10 - 120	05/17/26 08:58	05/26/26 12:44	1
p-Terphenyl-d14 (Surr)	82		47 - 131	05/17/26 08:58	05/26/26 12:44	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10	ug/L			05/18/26 20:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		38 - 134		05/18/26 20:14	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<26		26	ug/L		05/15/26 07:20	05/17/26 01:49	1
Motor Oil Range Organics [C24-C36]	<26		26	ug/L		05/15/26 07:20	05/17/26 01:49	1
C8-C18	<26		26	ug/L		05/15/26 07:20	05/17/26 01:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	119		60 - 130	05/15/26 07:20	05/17/26 01:49	1

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

Lab Sample ID: 380-213690-2

Date Collected: 05/11/26 10:03

Matrix: Water

Date Received: 05/13/26 09:28

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10	ug/L			05/19/26 00:28	1

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Client Sample Results

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

Job ID: 380-213690-1
SDG: Weekly: Halawa Wells P1 (MS/MSD)

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

Lab Sample ID: 380-213690-2

Date Collected: 05/11/26 10:03

Matrix: Water

Date Received: 05/13/26 09:28

<u>Surrogate</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
4-Bromofluorobenzene (Surr)	101		38 - 134		05/19/26 00:28	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: 380-213690-1
SDG: Weekly: Halawa Wells P1 (MS/MSD)

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

Lab Sample ID: 380-213690-1

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		Method	Prep Type
				Limit	RL		
Alachlor	<0.049		ug/L	2	0.049	525.2	Total/NA
Atrazine	<0.049		ug/L	3	0.049	525.2	Total/NA
Benzo[a]pyrene	<0.020		ug/L	0.2	0.020	525.2	Total/NA
Bis(2-ethylhexyl) phthalate	<0.59		ug/L	6	0.59	525.2	Total/NA
Di(2-ethylhexyl)adipate	<0.59		ug/L	400	0.59	525.2	Total/NA
Endrin	<0.0098		ug/L	2	0.0098	525.2	Total/NA
Heptachlor	<0.0098		ug/L	0.4	0.0098	525.2	Total/NA
Heptachlor epoxide (isomer B)	0.014		ug/L	0.2	0.0098	525.2	Total/NA
Hexachlorobenzene	<0.049		ug/L	1	0.049	525.2	Total/NA
Hexachlorocyclopentadiene	<0.049		ug/L	50	0.049	525.2	Total/NA
Lindane	<0.0098		ug/L	0.2	0.0098	525.2	Total/NA
Methoxychlor	<0.049		ug/L	40	0.049	525.2	Total/NA
Simazine	<0.049		ug/L	4	0.049	525.2	Total/NA
Benzo[a]pyrene	<0.19		ug/L	0.2	0.19	625.1 SIM	Total/NA

Surrogate Summary

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

Job ID: 380-213690-1
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)
380-213690-1	HALAWA WELLS P1 (331-023-WL0	97	89	96
380-213690-1 DU	HALAWA WELLS P1 (331-023-WL065)	99	91	95

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)
380-213671-I-1-A MS	Matrix Spike	97	94	95
LCS 380-227748/23-A	Lab Control Sample	97	93	96
MB 380-227748/21-A	Method Blank	99	82	92
MRL 380-227748/22-A	Lab Control Sample	100	91	94

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)
380-213690-1	HALAWA WELLS P1 (331-023-WL0	72	89	59	88	33	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: 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)
380-213690-1	HALAWA WELLS P1 (331-023-WL0	89	82	50	86	29	83
380-213690-1 MS	HALAWA WELLS P1 (331-023-WL065)	93	85	57	74	35	90
380-213690-1 MSD	HALAWA WELLS P1 (331-023-WL065)	89	81	54	72	34	87

Surrogate Legend

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Surrogate Summary

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

Job ID: 380-213690-1
 SDG: Weekly: Halawa Wells P1 (MS/MSD)

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

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

Matrix: Drinking Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB1 (38-134)
380-213690-1	HALAWA WELLS P1 (331-023-WL0	93
380-213690-1 MS	HALAWA WELLS P1 (331-023-WL065)	99
380-213690-1 MSD	HALAWA WELLS P1 (331-023-WL065)	99

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB1 (38-134)
380-213690-2	TB: HALAWA WELLS P1 (331-023-WL065)	101
LCS 570-740696/3	Lab Control Sample	101
LCSD 570-740696/4	Lab Control Sample Dup	103
MB 570-740696/6	Method Blank	103
MRL 570-740696/5	Lab Control Sample	100

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)
380-213690-1	HALAWA WELLS P1 (331-023-WL0	119
380-213690-1 MS	HALAWA WELLS P1 (331-023-WL065)	114
380-213690-1 MSD	HALAWA WELLS P1 (331-023-WL065)	105

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 570-739333/2-A	Lab Control Sample	105
LCSD 570-739333/3-A	Lab Control Sample Dup	117

Surrogate Summary

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

Job ID: 380-213690-1
SDG: Weekly: Halawa Wells P1 (MS/MSD)

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	OTCSN1 (60-130)
MB 570-739333/1-A	Method Blank	115
MRL 570-739333/4-A	Lab Control Sample	114

Surrogate Legend

OTCSN = n-Octacosane (Surr)

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

QC Sample Results

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

Job ID: 380-213690-1
SDG: Weekly: Halawa Wells P1 (MS/MSD)

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

Lab Sample ID: MB 380-227748/21-A
Matrix: Water
Analysis Batch: 227780

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 227748

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
1-Methylnaphthalene	<0.099		0.099	ug/L		05/18/26 08:22	05/18/26 13:54	1
2,4'-DDD	<0.099		0.099	ug/L		05/18/26 08:22	05/18/26 13:54	1
2,4'-DDE	<0.099		0.099	ug/L		05/18/26 08:22	05/18/26 13:54	1
2,4'-DDT	<0.099		0.099	ug/L		05/18/26 08:22	05/18/26 13:54	1
2,4-Dinitrotoluene	<0.099		0.099	ug/L		05/18/26 08:22	05/18/26 13:54	1
2,6-Dinitrotoluene	<0.099		0.099	ug/L		05/18/26 08:22	05/18/26 13:54	1
2-Methylnaphthalene	<0.099		0.099	ug/L		05/18/26 08:22	05/18/26 13:54	1
4,4'-DDD	<0.099		0.099	ug/L		05/18/26 08:22	05/18/26 13:54	1
4,4'-DDE	<0.099		0.099	ug/L		05/18/26 08:22	05/18/26 13:54	1
4,4'-DDT	<0.099		0.099	ug/L		05/18/26 08:22	05/18/26 13:54	1
Acenaphthene	<0.099		0.099	ug/L		05/18/26 08:22	05/18/26 13:54	1
Acenaphthylene	<0.099		0.099	ug/L		05/18/26 08:22	05/18/26 13:54	1
Acetochlor	<0.099		0.099	ug/L		05/18/26 08:22	05/18/26 13:54	1
Alachlor	<0.050		0.050	ug/L		05/18/26 08:22	05/18/26 13:54	1
alpha-BHC	<0.099		0.099	ug/L		05/18/26 08:22	05/18/26 13:54	1
alpha-Chlordane	<0.050		0.050	ug/L		05/18/26 08:22	05/18/26 13:54	1
Anthracene	<0.020		0.020	ug/L		05/18/26 08:22	05/18/26 13:54	1
Atrazine	<0.050		0.050	ug/L		05/18/26 08:22	05/18/26 13:54	1
Benz(a)anthracene	<0.050		0.050	ug/L		05/18/26 08:22	05/18/26 13:54	1
Benzo[a]pyrene	<0.020		0.020	ug/L		05/18/26 08:22	05/18/26 13:54	1
Benzo[b]fluoranthene	<0.020		0.020	ug/L		05/18/26 08:22	05/18/26 13:54	1
Benzo[g,h,i]perylene	<0.050		0.050	ug/L		05/18/26 08:22	05/18/26 13:54	1
Benzo[k]fluoranthene	<0.020		0.020	ug/L		05/18/26 08:22	05/18/26 13:54	1
beta-BHC	<0.099		0.099	ug/L		05/18/26 08:22	05/18/26 13:54	1
Bis(2-ethylhexyl) phthalate	<0.60		0.60	ug/L		05/18/26 08:22	05/18/26 13:54	1
Bromacil	<0.099		0.099	ug/L		05/18/26 08:22	05/18/26 13:54	1
Butachlor	<0.050		0.050	ug/L		05/18/26 08:22	05/18/26 13:54	1
Butylbenzylphthalate	<0.50		0.50	ug/L		05/18/26 08:22	05/18/26 13:54	1
Chlorobenzilate	<0.099		0.099	ug/L		05/18/26 08:22	05/18/26 13:54	1
Chloroneb	<0.099		0.099	ug/L		05/18/26 08:22	05/18/26 13:54	1
Chlorothalonil (Draconil, Bravo)	<0.099		0.099	ug/L		05/18/26 08:22	05/18/26 13:54	1
Chlorpyrifos	<0.050		0.050	ug/L		05/18/26 08:22	05/18/26 13:54	1
Chrysene	<0.020		0.020	ug/L		05/18/26 08:22	05/18/26 13:54	1
delta-BHC	<0.099		0.099	ug/L		05/18/26 08:22	05/18/26 13:54	1
Di(2-ethylhexyl)adipate	<0.60		0.60	ug/L		05/18/26 08:22	05/18/26 13:54	1
Dibenz(a,h)anthracene	<0.050		0.050	ug/L		05/18/26 08:22	05/18/26 13:54	1
Diclorvos (DDVP)	<0.050		0.050	ug/L		05/18/26 08:22	05/18/26 13:54	1
Dieldrin	<0.0099		0.0099	ug/L		05/18/26 08:22	05/18/26 13:54	1
Diethylphthalate	<0.50		0.50	ug/L		05/18/26 08:22	05/18/26 13:54	1
Dimethylphthalate	<0.50		0.50	ug/L		05/18/26 08:22	05/18/26 13:54	1
Di-n-butyl phthalate	<0.99		0.99	ug/L		05/18/26 08:22	05/18/26 13:54	1
Di-n-octyl phthalate	<0.099		0.099	ug/L		05/18/26 08:22	05/18/26 13:54	1
Endosulfan I (Alpha)	<0.099		0.099	ug/L		05/18/26 08:22	05/18/26 13:54	1
Endosulfan II (Beta)	<0.099		0.099	ug/L		05/18/26 08:22	05/18/26 13:54	1
Endosulfan sulfate	<0.099		0.099	ug/L		05/18/26 08:22	05/18/26 13:54	1
Endrin	<0.0099		0.0099	ug/L		05/18/26 08:22	05/18/26 13:54	1
Endrin aldehyde	<0.099		0.099	ug/L		05/18/26 08:22	05/18/26 13:54	1
EPTC	<0.099		0.099	ug/L		05/18/26 08:22	05/18/26 13:54	1

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QC Sample Results

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

Job ID: 380-213690-1
SDG: Weekly: Halawa Wells P1 (MS/MSD)

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

Lab Sample ID: MB 380-227748/21-A
Matrix: Water
Analysis Batch: 227780

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 227748

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Fluoranthene	<0.099		0.099	ug/L		05/18/26 08:22	05/18/26 13:54	1
Fluorene	<0.050		0.050	ug/L		05/18/26 08:22	05/18/26 13:54	1
gamma-Chlordane	<0.050		0.050	ug/L		05/18/26 08:22	05/18/26 13:54	1
Heptachlor	<0.0099		0.0099	ug/L		05/18/26 08:22	05/18/26 13:54	1
Heptachlor epoxide (isomer B)	<0.0099		0.0099	ug/L		05/18/26 08:22	05/18/26 13:54	1
Hexachlorobenzene	<0.050		0.050	ug/L		05/18/26 08:22	05/18/26 13:54	1
Hexachlorocyclopentadiene	<0.050		0.050	ug/L		05/18/26 08:22	05/18/26 13:54	1
Indeno[1,2,3-cd]pyrene	<0.050		0.050	ug/L		05/18/26 08:22	05/18/26 13:54	1
Isophorone	<0.099		0.099	ug/L		05/18/26 08:22	05/18/26 13:54	1
Lindane	<0.0099		0.0099	ug/L		05/18/26 08:22	05/18/26 13:54	1
Malathion	<0.099		0.099	ug/L		05/18/26 08:22	05/18/26 13:54	1
Methoxychlor	<0.050		0.050	ug/L		05/18/26 08:22	05/18/26 13:54	1
Metolachlor	<0.050		0.050	ug/L		05/18/26 08:22	05/18/26 13:54	1
Molinate	<0.099		0.099	ug/L		05/18/26 08:22	05/18/26 13:54	1
Naphthalene	<0.099		0.099	ug/L		05/18/26 08:22	05/18/26 13:54	1
Parathion	<0.099		0.099	ug/L		05/18/26 08:22	05/18/26 13:54	1
Pendimethalin (Penoxaline)	<0.099		0.099	ug/L		05/18/26 08:22	05/18/26 13:54	1
Phenanthrene	<0.040		0.040	ug/L		05/18/26 08:22	05/18/26 13:54	1
Propachlor	<0.050		0.050	ug/L		05/18/26 08:22	05/18/26 13:54	1
Pyrene	<0.050		0.050	ug/L		05/18/26 08:22	05/18/26 13:54	1
Simazine	<0.050		0.050	ug/L		05/18/26 08:22	05/18/26 13:54	1
Terbacil	<0.099		0.099	ug/L		05/18/26 08:22	05/18/26 13:54	1
Terbutylazine	<0.099		0.099	ug/L		05/18/26 08:22	05/18/26 13:54	1
Thiobencarb	<0.099		0.099	ug/L		05/18/26 08:22	05/18/26 13:54	1
Total Permethrin (mixed isomers)	<0.20		0.20	ug/L		05/18/26 08:22	05/18/26 13:54	1
trans-Nonachlor	<0.050		0.050	ug/L		05/18/26 08:22	05/18/26 13:54	1
Trifluralin	<0.099		0.099	ug/L		05/18/26 08:22	05/18/26 13:54	1

<i>Tentatively Identified Compound</i>	MB	MB	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
	Est. Result	Qualifier							
Undecane	6.36	T J N	ug/L		3.20	1120-21-4	05/18/26 08:22	05/18/26 13:54	1
9-Octadecenamide, (Z)-	1.73	T J N	ug/L		7.99	301-02-0	05/18/26 08:22	05/18/26 13:54	1
13-Docosenamide, (Z)-	0.513	T J N	ug/L		10.54	112-84-5	05/18/26 08:22	05/18/26 13:54	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2-Nitro-m-xylene	99		70 - 130	05/18/26 08:22	05/18/26 13:54	1
Perylene-d12	82		70 - 130	05/18/26 08:22	05/18/26 13:54	1
Triphenylphosphate	92		70 - 130	05/18/26 08:22	05/18/26 13:54	1

Lab Sample ID: LCS 380-227748/23-A
Matrix: Water
Analysis Batch: 227780

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 227748

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
1-Methylnaphthalene	1.98	1.97		ug/L		99	70 - 130
2,4'-DDD	1.98	1.78		ug/L		90	70 - 130
2,4'-DDE	1.98	1.88		ug/L		95	70 - 130
2,4'-DDT	1.98	1.80		ug/L		91	70 - 130
2,4-Dinitrotoluene	1.98	1.98		ug/L		100	70 - 130

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QC Sample Results

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

Job ID: 380-213690-1
SDG: Weekly: Halawa Wells P1 (MS/MSD)

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

Lab Sample ID: LCS 380-227748/23-A
Matrix: Water
Analysis Batch: 227780

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 227748

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,6-Dinitrotoluene	1.98	1.95		ug/L		98	70 - 130
2-Methylnaphthalene	1.98	1.96		ug/L		99	70 - 130
4,4'-DDD	1.98	1.90		ug/L		96	70 - 130
4,4'-DDE	1.98	1.95		ug/L		98	70 - 130
4,4'-DDT	1.98	1.97		ug/L		99	70 - 130
Acenaphthene	1.98	2.06		ug/L		104	70 - 130
Acenaphthylene	1.98	1.80		ug/L		91	70 - 130
Acetochlor	1.98	2.08		ug/L		105	70 - 130
Alachlor	1.98	2.09		ug/L		106	70 - 130
alpha-BHC	1.98	2.03		ug/L		102	70 - 130
alpha-Chlordane	1.98	1.86		ug/L		94	70 - 130
Anthracene	1.98	2.08		ug/L		105	70 - 130
Atrazine	1.98	1.91		ug/L		96	70 - 130
Benz(a)anthracene	1.98	2.01		ug/L		101	70 - 130
Benzo[a]pyrene	1.98	1.88		ug/L		95	70 - 130
Benzo[b]fluoranthene	1.98	2.12		ug/L		107	70 - 130
Benzo[g,h,i]perylene	1.98	2.11		ug/L		106	70 - 130
Benzo[k]fluoranthene	1.98	2.12		ug/L		107	70 - 130
beta-BHC	1.98	2.02		ug/L		102	70 - 130
Bis(2-ethylhexyl) phthalate	1.98	2.15		ug/L		108	70 - 130
Bromacil	1.98	1.75		ug/L		88	70 - 130
Butachlor	1.98	2.10		ug/L		106	70 - 130
Butylbenzylphthalate	1.98	2.17		ug/L		109	70 - 130
Chlorobenzilate	1.98	2.06		ug/L		104	70 - 130
Chloroneb	1.98	2.05		ug/L		103	70 - 130
Chlorothalonil (Draconil, Bravo)	1.98	2.04		ug/L		103	70 - 130
Chlorpyrifos	1.98	1.91		ug/L		96	70 - 130
Chrysene	1.98	2.03		ug/L		103	70 - 130
delta-BHC	1.98	2.07		ug/L		104	70 - 130
Di(2-ethylhexyl)adipate	1.98	2.16		ug/L		109	70 - 130
Dibenz(a,h)anthracene	1.98	2.12		ug/L		107	70 - 130
Diclorvos (DDVP)	1.98	1.89		ug/L		95	70 - 130
Dieldrin	1.98	1.98		ug/L		100	70 - 130
Diethylphthalate	1.98	2.11		ug/L		106	70 - 130
Dimethylphthalate	1.98	2.06		ug/L		104	70 - 130
Di-n-butyl phthalate	3.97	4.03		ug/L		102	70 - 130
Di-n-octyl phthalate	1.98	1.99		ug/L		100	70 - 130
Endosulfan I (Alpha)	1.98	1.93		ug/L		97	70 - 130
Endosulfan II (Beta)	1.98	2.01		ug/L		101	70 - 130
Endosulfan sulfate	1.98	1.82		ug/L		92	70 - 130
Endrin	1.98	2.08		ug/L		105	70 - 130
Endrin aldehyde	1.98	1.99		ug/L		101	60 - 130
EPTC	1.98	1.97		ug/L		99	70 - 130
Fluoranthene	1.98	1.96		ug/L		99	70 - 130
Fluorene	1.98	2.09		ug/L		106	70 - 130
gamma-Chlordane	1.98	1.96		ug/L		99	70 - 130
Heptachlor	1.98	1.86		ug/L		94	70 - 130
Heptachlor epoxide (isomer B)	1.98	2.02		ug/L		102	70 - 130
Hexachlorobenzene	1.98	1.90		ug/L		96	70 - 130

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QC Sample Results

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

Job ID: 380-213690-1
SDG: Weekly: Halawa Wells P1 (MS/MSD)

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

Lab Sample ID: LCS 380-227748/23-A

Matrix: Water

Analysis Batch: 227780

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 227748

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Hexachlorocyclopentadiene	1.98	1.66		ug/L		83	70 - 130
Indeno[1,2,3-cd]pyrene	1.98	2.12		ug/L		107	70 - 130
Isophorone	1.98	2.04		ug/L		103	70 - 130
Lindane	1.98	2.03		ug/L		103	70 - 130
Malathion	1.98	1.97		ug/L		99	70 - 130
Methoxychlor	1.98	2.30		ug/L		116	70 - 130
Metolachlor	1.98	2.10		ug/L		106	70 - 130
Molinate	1.98	2.00		ug/L		101	70 - 130
Naphthalene	1.98	1.91		ug/L		96	70 - 130
Parathion	1.98	2.07		ug/L		105	70 - 130
Pendimethalin (Penoxaline)	1.98	1.67		ug/L		84	70 - 130
Phenanthrene	1.98	2.11		ug/L		106	70 - 130
Propachlor	1.98	2.04		ug/L		103	70 - 130
Pyrene	1.98	1.99		ug/L		100	70 - 130
Simazine	1.98	1.96		ug/L		99	70 - 130
Terbacil	1.98	1.98		ug/L		100	70 - 130
Terbutylazine	1.98	1.90		ug/L		96	70 - 130
Thiobencarb	1.98	1.99		ug/L		100	70 - 130
trans-Nonachlor	1.98	1.82		ug/L		91	70 - 130
Trifluralin	1.98	1.68		ug/L		85	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2-Nitro-m-xylene	97		70 - 130
Perylene-d12	93		70 - 130
Triphenylphosphate	96		70 - 130

Lab Sample ID: MRL 380-227748/22-A

Matrix: Water

Analysis Batch: 227780

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 227748

Analyte	Spike Added	MRL	MRL	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
1-Methylnaphthalene	0.0981	0.106		ug/L		108	50 - 150
2,4'-DDD	0.0981	0.0944	J	ug/L		96	50 - 150
2,4'-DDE	0.0981	0.100		ug/L		102	50 - 150
2,4'-DDT	0.0981	0.111		ug/L		114	50 - 150
2,4-Dinitrotoluene	0.0981	0.108		ug/L		110	50 - 150
2,6-Dinitrotoluene	0.0981	0.118		ug/L		120	50 - 150
2-Methylnaphthalene	0.0981	0.0998		ug/L		102	50 - 150
4,4'-DDD	0.0981	0.105		ug/L		107	50 - 150
4,4'-DDE	0.0981	0.107		ug/L		109	50 - 150
4,4'-DDT	0.0981	0.116		ug/L		118	50 - 150
Acenaphthene	0.0981	0.101		ug/L		102	50 - 150
Acenaphthylene	0.0981	0.0801	J	ug/L		82	50 - 150
Acetochlor	0.0981	0.122		ug/L		124	50 - 150
Alachlor	0.0491	0.0574		ug/L		117	50 - 150
alpha-BHC	0.0981	0.107		ug/L		109	50 - 150
alpha-Chlordane	0.0245	<0.028		ug/L		111	50 - 150
Anthracene	0.0196	0.0237		ug/L		121	50 - 150

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QC Sample Results

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

Job ID: 380-213690-1
SDG: Weekly: Halawa Wells P1 (MS/MSD)

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

Lab Sample ID: MRL 380-227748/22-A

Matrix: Water

Analysis Batch: 227780

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 227748

Analyte	Spike	MRL	MRL	Unit	D	%Rec	%Rec Limits
	Added	Result	Qualifier				
Atrazine	0.0491	0.0511		ug/L		104	50 - 150
Benz(a)anthracene	0.0491	0.0514		ug/L		105	50 - 150
Benzo[a]pyrene	0.0196	0.0226		ug/L		115	50 - 150
Benzo[b]fluoranthene	0.0196	0.0227		ug/L		116	50 - 150
Benzo[g,h,i]perylene	0.0491	0.0458	J	ug/L		93	50 - 150
Benzo[k]fluoranthene	0.0196	0.0208		ug/L		106	50 - 150
beta-BHC	0.0981	0.111		ug/L		113	50 - 150
Bis(2-ethylhexyl) phthalate	0.589	0.662		ug/L		112	50 - 150
Bromacil	0.0981	0.0993		ug/L		101	50 - 150
Butachlor	0.0491	0.0604		ug/L		123	50 - 150
Butylbenzylphthalate	0.491	0.563		ug/L		115	50 - 150
Chlorobenzilate	0.0981	0.111		ug/L		113	50 - 150
Chloroneb	0.0981	0.101		ug/L		103	50 - 150
Chlorothalonil (Draconil, Bravo)	0.0981	0.0899	J	ug/L		92	50 - 150
Chlorpyrifos	0.0491	0.0591		ug/L		120	50 - 150
Chrysene	0.0196	0.0281		ug/L		143	50 - 150
delta-BHC	0.0981	0.109		ug/L		111	50 - 150
Di(2-ethylhexyl)adipate	0.589	0.688		ug/L		117	50 - 150
Dibenz(a,h)anthracene	0.0491	0.0497		ug/L		101	50 - 150
Diclorvos (DDVP)	0.0491	0.0522		ug/L		106	50 - 150
Dieldrin	0.00981	0.00993		ug/L		101	50 - 150
Diethylphthalate	0.491	0.520		ug/L		106	50 - 150
Dimethylphthalate	0.491	0.511		ug/L		104	50 - 150
Di-n-butyl phthalate	0.491	0.495	J	ug/L		101	49 - 243
Di-n-octyl phthalate	0.0981	0.103		ug/L		105	50 - 150
Endosulfan I (Alpha)	0.0981	0.109		ug/L		111	50 - 150
Endosulfan II (Beta)	0.0981	0.120		ug/L		122	50 - 150
Endosulfan sulfate	0.0981	0.0975	J	ug/L		99	50 - 150
Endrin	0.00981	0.0120		ug/L		122	50 - 150
Endrin aldehyde	0.0981	0.112		ug/L		115	50 - 150
EPTC	0.0981	0.102		ug/L		104	50 - 150
Fluoranthene	0.0981	0.110		ug/L		112	50 - 150
Fluorene	0.0491	0.0563		ug/L		115	50 - 150
gamma-Chlordane	0.0245	0.0268	J	ug/L		109	50 - 150
Heptachlor	0.00981	0.0145		ug/L		148	50 - 150
Heptachlor epoxide (isomer B)	0.00981	0.00966	J	ug/L		98	50 - 150
Hexachlorobenzene	0.0491	0.0465	J	ug/L		95	50 - 150
Hexachlorocyclopentadiene	0.0491	0.0439	J	ug/L		90	50 - 150
Indeno[1,2,3-cd]pyrene	0.0491	0.0493		ug/L		100	50 - 150
Isophorone	0.0981	0.125		ug/L		127	50 - 150
Lindane	0.00981	0.0132		ug/L		134	50 - 150
Malathion	0.0981	0.107		ug/L		109	50 - 150
Methoxychlor	0.0491	0.0627		ug/L		128	50 - 150
Metolachlor	0.0491	0.0567		ug/L		116	50 - 150
Molinate	0.0981	0.113		ug/L		115	50 - 150
Naphthalene	0.0981	0.0997		ug/L		102	50 - 150
Parathion	0.0981	0.0927	J	ug/L		94	50 - 150
Pendimethalin (Penoxaline)	0.0981	0.0960	J	ug/L		98	50 - 150
Phenanthrene	0.0393	0.0473		ug/L		120	50 - 150

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QC Sample Results

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

Job ID: 380-213690-1
SDG: Weekly: Halawa Wells P1 (MS/MSD)

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

Lab Sample ID: MRL 380-227748/22-A
Matrix: Water
Analysis Batch: 227780

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 227748

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Propachlor	0.0491	0.0560		ug/L		114	50 - 150
Pyrene	0.0491	0.0573		ug/L		117	50 - 150
Simazine	0.0491	0.0537		ug/L		109	50 - 150
Terbacil	0.0981	0.0855	J	ug/L		87	50 - 150
Terbuthylazine	0.0981	0.109		ug/L		111	50 - 150
Thiobencarb	0.0981	0.107		ug/L		110	50 - 150
trans-Nonachlor	0.0245	<0.026		ug/L		103	50 - 150
Trifluralin	0.0981	0.0979	J	ug/L		100	50 - 150

Surrogate	MRL %Recovery	MRL Qualifier	Limits
2-Nitro-m-xylene	100		70 - 130
Perylene-d12	91		70 - 130
Triphenylphosphate	94		70 - 130

Lab Sample ID: 380-213671-I-1-A MS
Matrix: Water
Analysis Batch: 227780

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 227748

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.097		1.96	1.99		ug/L		101	70 - 130
2,4'-DDD	<0.097		1.96	1.77		ug/L		91	70 - 130
2,4'-DDE	<0.097		1.96	1.86		ug/L		95	70 - 130
2,4'-DDT	<0.097		1.96	1.76		ug/L		90	70 - 130
2,4-Dinitrotoluene	<0.097		1.96	2.02		ug/L		103	70 - 130
2,6-Dinitrotoluene	<0.097		1.96	1.97		ug/L		101	70 - 130
2-Methylnaphthalene	<0.097		1.96	1.99		ug/L		101	70 - 130
4,4'-DDD	<0.097		1.96	1.87		ug/L		96	70 - 130
4,4'-DDE	<0.097		1.96	1.85		ug/L		95	70 - 130
4,4'-DDT	<0.097		1.96	1.88		ug/L		96	70 - 130
Acenaphthene	<0.097		1.96	2.10		ug/L		108	70 - 130
Acenaphthylene	<0.097		1.96	1.87		ug/L		95	70 - 130
Acetochlor	<0.097		1.96	2.07		ug/L		106	70 - 130
Alachlor	<0.049		1.96	2.12		ug/L		109	70 - 130
alpha-BHC	<0.097		1.96	2.02		ug/L		103	70 - 130
alpha-Chlordane	<0.049		1.96	1.90		ug/L		95	70 - 130
Anthracene	<0.019		1.96	2.11		ug/L		108	70 - 130
Atrazine	<0.049		1.96	1.91		ug/L		98	70 - 130
Benz(a)anthracene	<0.049		1.96	2.02		ug/L		103	70 - 130
Benzo[a]pyrene	<0.019		1.96	1.92		ug/L		98	70 - 130
Benzo[b]fluoranthene	<0.019		1.96	2.14		ug/L		109	70 - 130
Benzo[g,h,i]perylene	<0.049		1.96	2.16		ug/L		111	70 - 130
Benzo[k]fluoranthene	<0.019		1.96	2.17		ug/L		111	70 - 130
beta-BHC	<0.097		1.96	2.07		ug/L		106	70 - 130
Bis(2-ethylhexyl) phthalate	<0.58		1.96	1.78		ug/L		91	70 - 130
Bromacil	<0.097		1.96	1.78		ug/L		89	70 - 130
Butachlor	<0.049		1.96	2.12		ug/L		108	70 - 130
Butylbenzylphthalate	<0.49		1.96	2.18		ug/L		112	70 - 130
Chlorobenzilate	<0.097		1.96	2.08		ug/L		107	70 - 130

QC Sample Results

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

Job ID: 380-213690-1
SDG: Weekly: Halawa Wells P1 (MS/MSD)

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

Lab Sample ID: 380-213671-I-1-A MS
Matrix: Water
Analysis Batch: 227780

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 227748

Table with columns: Analyte, Sample Result, Sample Qualifier, Spike Added, MS Result, MS Qualifier, Unit, D, %Rec, %Rec Limits. Lists various chemicals like Chloroneb, Dieldrin, etc., with their respective values.

Summary table for Surrogate: 2-Nitro-m-xylene, showing %Recovery (97) and Limits (70 - 130).

- Vertical list of numbers 1 through 16 on the right margin.

QC Sample Results

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

Job ID: 380-213690-1
SDG: Weekly: Halawa Wells P1 (MS/MSD)

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

Lab Sample ID: 380-213671-I-1-A MS
Matrix: Water
Analysis Batch: 227780

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 227748

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
Perylene-d12	94		70 - 130
Triphenylphosphate	95		70 - 130

Lab Sample ID: 380-213690-1 DU
Matrix: Drinking Water
Analysis Batch: 227780

Client Sample ID: HALAWA WELLS P1 (331-023-WL065)
Prep Type: Total/NA
Prep Batch: 227748

Analyte	Sample	Sample	DU DU		Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
1-Methylnaphthalene	<0.098		<0.097		ug/L		NC	20
2,4'-DDD	<0.098		<0.097		ug/L		NC	20
2,4'-DDE	<0.098		<0.097		ug/L		NC	20
2,4'-DDT	<0.098		<0.097		ug/L		NC	20
2,4-Dinitrotoluene	<0.098		<0.097		ug/L		NC	20
2,6-Dinitrotoluene	<0.098		<0.097		ug/L		NC	20
2-Methylnaphthalene	<0.098		<0.097		ug/L		NC	20
4,4'-DDD	<0.098		<0.097		ug/L		NC	20
4,4'-DDE	<0.098		<0.097		ug/L		NC	20
4,4'-DDT	<0.098		<0.097		ug/L		NC	20
Acenaphthene	<0.098		<0.097		ug/L		NC	20
Acenaphthylene	<0.098		<0.097		ug/L		NC	20
Acetochlor	<0.098		<0.097		ug/L		NC	20
Alachlor	<0.049		<0.049		ug/L		NC	20
alpha-BHC	<0.098		<0.097		ug/L		NC	20
alpha-Chlordane	<0.049		<0.049		ug/L		NC	20
Anthracene	<0.020		<0.019		ug/L		NC	20
Atrazine	<0.049		<0.049		ug/L		NC	20
Benz(a)anthracene	<0.049		<0.049		ug/L		NC	20
Benzo[a]pyrene	<0.020		<0.019		ug/L		NC	20
Benzo[b]fluoranthene	<0.020		<0.019		ug/L		NC	20
Benzo[g,h,i]perylene	<0.049		<0.049		ug/L		NC	20
Benzo[k]fluoranthene	<0.020		<0.019		ug/L		NC	20
beta-BHC	<0.098		<0.097		ug/L		NC	20
Bis(2-ethylhexyl) phthalate	<0.59		<0.58		ug/L		NC	20
Bromacil	<0.098		<0.097		ug/L		NC	20
Butachlor	<0.049		<0.049		ug/L		NC	20
Butylbenzylphthalate	<0.49		<0.49		ug/L		NC	20
Chlorobenzilate	<0.098		<0.097		ug/L		NC	20
Chloroneb	<0.098		<0.097		ug/L		NC	20
Chlorothalonil (Draconil, Bravo)	<0.098		<0.097		ug/L		NC	20
Chlorpyrifos	<0.049		<0.049		ug/L		NC	20
Chrysene	<0.020		<0.019		ug/L		NC	20
delta-BHC	<0.098		<0.097		ug/L		NC	20
Di(2-ethylhexyl)adipate	<0.59		<0.58		ug/L		NC	20
Dibenz(a,h)anthracene	<0.049		<0.049		ug/L		NC	20
Diclorvos (DDVP)	<0.049		<0.049		ug/L		NC	20
Dieldrin	0.029		0.0285		ug/L		3	20
Diethylphthalate	<0.49		<0.49		ug/L		NC	20
Dimethylphthalate	<0.49		<0.49		ug/L		NC	20

QC Sample Results

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

Job ID: 380-213690-1
 SDG: Weekly: Halawa Wells P1 (MS/MSD)

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

Lab Sample ID: 380-213690-1 DU
Matrix: Drinking Water
Analysis Batch: 227780

Client Sample ID: HALAWA WELLS P1 (331-023-WL065)
Prep Type: Total/NA
Prep Batch: 227748

Analyte	Sample	Sample	DU		Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Di-n-butyl phthalate	<0.98		<0.97		ug/L		NC	20
Di-n-octyl phthalate	<0.098		<0.097		ug/L		NC	20
Endosulfan I (Alpha)	<0.098		<0.097		ug/L		NC	20
Endosulfan II (Beta)	<0.098		<0.097		ug/L		NC	20
Endosulfan sulfate	<0.098		<0.097		ug/L		NC	20
Endrin	<0.0098		<0.0097		ug/L		NC	20
Endrin aldehyde	<0.098		<0.097		ug/L		NC	20
EPTC	<0.098		<0.097		ug/L		NC	20
Fluoranthene	<0.098		<0.097		ug/L		NC	20
Fluorene	<0.049		<0.049		ug/L		NC	20
gamma-Chlordane	<0.049		<0.049		ug/L		NC	20
Heptachlor	<0.0098		<0.0097		ug/L		NC	20
Heptachlor epoxide (isomer B)	0.014		0.0127		ug/L		10	20
Hexachlorobenzene	<0.049		<0.049		ug/L		NC	20
Hexachlorocyclopentadiene	<0.049		<0.049		ug/L		NC	20
Indeno[1,2,3-cd]pyrene	<0.049		<0.049		ug/L		NC	20
Isophorone	<0.098		<0.097		ug/L		NC	20
Lindane	<0.0098		<0.0097		ug/L		NC	20
Malathion	<0.098		<0.097		ug/L		NC	20
Methoxychlor	<0.049		<0.049		ug/L		NC	20
Metolachlor	<0.049		<0.049		ug/L		NC	20
Molinate	<0.098		<0.097		ug/L		NC	20
Naphthalene	<0.098		<0.097		ug/L		NC	20
Parathion	<0.098		<0.097		ug/L		NC	20
Pendimethalin (Penoxaline)	<0.098		<0.097		ug/L		NC	20
Phenanthrene	<0.039		<0.039		ug/L		NC	20
Propachlor	<0.049		<0.049		ug/L		NC	20
Pyrene	<0.049		<0.049		ug/L		NC	20
Simazine	<0.049		<0.049		ug/L		NC	20
Terbacil	<0.098		<0.097		ug/L		NC	20
Terbutylazine	<0.098		<0.097		ug/L		NC	20
Thiobencarb	<0.098		<0.097		ug/L		NC	20
Total Permethrin (mixed isomers)	<0.20		<0.19		ug/L		NC	20
trans-Nonachlor	<0.049		<0.049		ug/L		NC	20
Trifluralin	<0.098		<0.097		ug/L		NC	20
Surrogate	DU DU		Limits					
2-Nitro-m-xylene	%Recovery	Qualifier	Limits					
	99		70 - 130					
Perylene-d12	91		70 - 130					
Triphenylphosphate	95		70 - 130					

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

Lab Sample ID: 380-213690-1 MS
Matrix: Drinking Water
Analysis Batch: 741368

Client Sample ID: HALAWA WELLS P1 (331-023-WL065)
Prep Type: Total/NA
Prep Batch: 740088

Analyte	Sample	Sample	Spike	MS MS		Unit	D	%Rec	%Rec
	Result	Qualifier	Added	Result	Qualifier				Limits
1-Methylnaphthalene	<0.19	*1	19.3	15.7		ug/L		81	36 - 120

Eurofins Pomona

QC Sample Results

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

Job ID: 380-213690-1
 SDG: Weekly: Halawa Wells P1 (MS/MSD)

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

Lab Sample ID: 380-213690-1 MS

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

Matrix: Drinking Water

Prep Type: Total/NA

Analysis Batch: 741368

Prep Batch: 740088

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
2-Methylnaphthalene	<0.19	*1	19.3	14.2		ug/L		74	32 - 124	
Acenaphthene	<0.19		19.3	18.2		ug/L		95	47 - 145	
Acenaphthylene	<0.19		19.3	18.2		ug/L		94	33 - 145	
Anthracene	<0.19		19.3	18.5		ug/L		96	27 - 133	
Benzo[a]anthracene	<0.19		19.3	18.9		ug/L		98	33 - 143	
Benzo[a]pyrene	<0.19		19.3	17.7		ug/L		92	17 - 163	
Benzo[b]fluoranthene	<0.19		19.3	18.2		ug/L		94	24 - 159	
Benzo[g,h,i]perylene	<0.19		19.3	17.6		ug/L		91	1 - 219	
Benzo[k]fluoranthene	<0.19		19.3	18.4		ug/L		96	11 - 162	
Chrysene	<0.19		19.3	18.7		ug/L		97	17 - 168	
Dibenz(a,h)anthracene	<0.19		19.3	18.4		ug/L		96	1 - 227	
Fluoranthene	<0.19		19.3	18.8		ug/L		98	26 - 137	
Fluorene	<0.19		19.3	18.5		ug/L		96	59 - 121	
Indeno[1,2,3-cd]pyrene	<0.19		19.3	18.7		ug/L		97	1 - 171	
Naphthalene	<0.19		19.3	15.1		ug/L		78	21 - 133	
Phenanthrene	<0.19		19.3	17.9		ug/L		93	54 - 120	
Pyrene	<0.19		19.3	19.8		ug/L		103	52 - 120	

Surrogate	%Recovery	MS Qualifier	MS Limits
2,4,6-Tribromophenol (Surr)	93		28 - 127
2-Fluorobiphenyl (Surr)	85		31 - 120
2-Fluorophenol (Surr)	57		17 - 120
Nitrobenzene-d5 (Surr)	74		27 - 120
Phenol-d6 (Surr)	35		10 - 120
p-Terphenyl-d14 (Surr)	90		45 - 120

Lab Sample ID: 380-213690-1 MSD

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

Matrix: Drinking Water

Prep Type: Total/NA

Analysis Batch: 741368

Prep Batch: 740088

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	<0.19	*1	19.3	15.2		ug/L		79	36 - 120	3	30
2-Methylnaphthalene	<0.19	*1	19.3	13.7		ug/L		71	32 - 124	4	30
Acenaphthene	<0.19		19.3	17.7		ug/L		91	47 - 145	3	48
Acenaphthylene	<0.19		19.3	17.4		ug/L		90	33 - 145	4	74
Anthracene	<0.19		19.3	17.7		ug/L		91	27 - 133	5	66
Benzo[a]anthracene	<0.19		19.3	18.5		ug/L		96	33 - 143	2	53
Benzo[a]pyrene	<0.19		19.3	17.1		ug/L		88	17 - 163	4	72
Benzo[b]fluoranthene	<0.19		19.3	17.8		ug/L		92	24 - 159	2	71
Benzo[g,h,i]perylene	<0.19		19.3	17.1		ug/L		89	1 - 219	3	97
Benzo[k]fluoranthene	<0.19		19.3	17.8		ug/L		92	11 - 162	3	63
Chrysene	<0.19		19.3	18.3		ug/L		95	17 - 168	2	87
Dibenz(a,h)anthracene	<0.19		19.3	17.8		ug/L		92	1 - 227	3	126
Fluoranthene	<0.19		19.3	18.0		ug/L		93	26 - 137	4	66
Fluorene	<0.19		19.3	17.9		ug/L		92	59 - 121	4	38
Indeno[1,2,3-cd]pyrene	<0.19		19.3	18.3		ug/L		95	1 - 171	2	99
Naphthalene	<0.19		19.3	14.5		ug/L		75	21 - 133	4	65
Phenanthrene	<0.19		19.3	17.2		ug/L		89	54 - 120	4	39

QC Sample Results

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

Job ID: 380-213690-1
SDG: Weekly: Halawa Wells P1 (MS/MSD)

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

Lab Sample ID: 380-213690-1 MSD

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

Matrix: Drinking Water

Prep Type: Total/NA

Analysis Batch: 741368

Prep Batch: 740088

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Pyrene	<0.19		19.3	19.4		ug/L		100	52 - 120	2	49
MSD MSD											
Surrogate	%Recovery	Qualifier	Limits								
2,4,6-Tribromophenol (Surr)	89		28 - 127								
2-Fluorobiphenyl (Surr)	81		31 - 120								
2-Fluorophenol (Surr)	54		17 - 120								
Nitrobenzene-d5 (Surr)	72		27 - 120								
Phenol-d6 (Surr)	34		10 - 120								
p-Terphenyl-d14 (Surr)	87		45 - 120								

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

Lab Sample ID: MB 570-740696/6

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 740696

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10	ug/L			05/18/26 19:39	1
MB MB								
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac		
4-Bromofluorobenzene (Surr)	103		38 - 134		05/18/26 19:39	1		

Lab Sample ID: LCS 570-740696/3

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 740696

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (C4-C13)	400	415		ug/L		104	78 - 120
LCS LCS							
Surrogate	%Recovery	Qualifier	Limits				
4-Bromofluorobenzene (Surr)	101		38 - 134				

Lab Sample ID: LCSD 570-740696/4

Client Sample ID: Lab Control Sample Dup

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 740696

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)	400	437		ug/L		109	78 - 120	5	10
LCSD LCSD									
Surrogate	%Recovery	Qualifier	Limits						
4-Bromofluorobenzene (Surr)	103		38 - 134						

QC Sample Results

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

Job ID: 380-213690-1
SDG: Weekly: Halawa Wells P1 (MS/MSD)

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

Lab Sample ID: MRL 570-740696/5
Matrix: Water
Analysis Batch: 740696

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (C4-C13)	10.0	12.7		ug/L		127	50 - 150
Surrogate		MRL	MRL				Limits
4-Bromofluorobenzene (Surr)		100					38 - 134

Lab Sample ID: 380-213690-1 MS
Matrix: Drinking Water
Analysis Batch: 740696

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	371		ug/L		93	68 - 122
Surrogate		MS		MS					Limits
4-Bromofluorobenzene (Surr)		99							38 - 134

Lab Sample ID: 380-213690-1 MSD
Matrix: Drinking Water
Analysis Batch: 740696

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	379		ug/L		95	68 - 122	2	18
Surrogate		MSD		MSD					Limits		
4-Bromofluorobenzene (Surr)		99							38 - 134		

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

Lab Sample ID: MB 570-739333/1-A
Matrix: Water
Analysis Batch: 739984

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 739333

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<25		25	ug/L		05/15/26 07:19	05/17/26 00:01	1
Motor Oil Range Organics [C24-C36]	<25		25	ug/L		05/15/26 07:19	05/17/26 00:01	1
C8-C18	<25		25	ug/L		05/15/26 07:19	05/17/26 00:01	1
Surrogate		MB				Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)		115				05/15/26 07:19	05/17/26 00:01	1

Lab Sample ID: LCS 570-739333/2-A
Matrix: Water
Analysis Batch: 739984

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 739333

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
C10-C28	1600	1420		ug/L		89	56 - 127

Eurofins Pomona

QC Sample Results

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

Job ID: 380-213690-1
SDG: Weekly: Halawa Wells P1 (MS/MSD)

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

Lab Sample ID: LCS 570-739333/2-A
Matrix: Water
Analysis Batch: 739984

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 739333

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

Lab Sample ID: LCSD 570-739333/3-A
Matrix: Water
Analysis Batch: 739984

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 739333

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
C10-C28	1600	1600		ug/L		100	56 - 127	12	23
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
n-Octacosane (Surr)	117		60 - 130						

Lab Sample ID: MRL 570-739333/4-A
Matrix: Water
Analysis Batch: 739984

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 739333

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28	0.0200	<0.020		mg/L		82	50 - 150		
Surrogate	MRL %Recovery	MRL Qualifier	Limits						
n-Octacosane (Surr)	114		60 - 130						

Lab Sample ID: 380-213690-1 MS
Matrix: Drinking Water
Analysis Batch: 739984

Client Sample ID: HALAWA WELLS P1 (331-023-WL065)
Prep Type: Total/NA
Prep Batch: 739333

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28	<26		1640	1600		ug/L		98	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
n-Octacosane (Surr)	114		60 - 130								

Lab Sample ID: 380-213690-1 MSD
Matrix: Drinking Water
Analysis Batch: 739984

Client Sample ID: HALAWA WELLS P1 (331-023-WL065)
Prep Type: Total/NA
Prep Batch: 739333

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
C10-C28	<26		1650	1510		ug/L		92	70 - 130	6	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
n-Octacosane (Surr)	105		60 - 130								

QC Association Summary

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

Job ID: 380-213690-1
SDG: Weekly: Halawa Wells P1 (MS/MSD)

GC/MS Semi VOA

Prep Batch: 227748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-213690-1	HALAWA WELLS P1 (331-023-WL065)	Total/NA	Drinking Water	525.2	
MB 380-227748/21-A	Method Blank	Total/NA	Water	525.2	
LCS 380-227748/23-A	Lab Control Sample	Total/NA	Water	525.2	
MRL 380-227748/22-A	Lab Control Sample	Total/NA	Water	525.2	
380-213671-I-1-A MS	Matrix Spike	Total/NA	Water	525.2	
380-213690-1 DU	HALAWA WELLS P1 (331-023-WL065)	Total/NA	Drinking Water	525.2	

Analysis Batch: 227780

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-213690-1	HALAWA WELLS P1 (331-023-WL065)	Total/NA	Drinking Water	525.2	227748
MB 380-227748/21-A	Method Blank	Total/NA	Water	525.2	227748
LCS 380-227748/23-A	Lab Control Sample	Total/NA	Water	525.2	227748
MRL 380-227748/22-A	Lab Control Sample	Total/NA	Water	525.2	227748
380-213671-I-1-A MS	Matrix Spike	Total/NA	Water	525.2	227748
380-213690-1 DU	HALAWA WELLS P1 (331-023-WL065)	Total/NA	Drinking Water	525.2	227748

Prep Batch: 740088

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-213690-1	HALAWA WELLS P1 (331-023-WL065)	Total/NA	Drinking Water	625.1	
380-213690-1 MS	HALAWA WELLS P1 (331-023-WL065)	Total/NA	Drinking Water	625.1	
380-213690-1 MSD	HALAWA WELLS P1 (331-023-WL065)	Total/NA	Drinking Water	625.1	

Analysis Batch: 741368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-213690-1	HALAWA WELLS P1 (331-023-WL065)	Total/NA	Drinking Water	625.1 SIM	740088
380-213690-1 MS	HALAWA WELLS P1 (331-023-WL065)	Total/NA	Drinking Water	625.1 SIM	740088
380-213690-1 MSD	HALAWA WELLS P1 (331-023-WL065)	Total/NA	Drinking Water	625.1 SIM	740088

Analysis Batch: 744032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-213690-1	HALAWA WELLS P1 (331-023-WL065)	Total/NA	Drinking Water	625.1	740088

GC VOA

Analysis Batch: 740696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-213690-1	HALAWA WELLS P1 (331-023-WL065)	Total/NA	Drinking Water	8015B GRO LL	
380-213690-2	TB: HALAWA WELLS P1 (331-023-WL065)	Total/NA	Water	8015B GRO LL	
MB 570-740696/6	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-740696/3	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-740696/4	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-740696/5	Lab Control Sample	Total/NA	Water	8015B GRO LL	
380-213690-1 MS	HALAWA WELLS P1 (331-023-WL065)	Total/NA	Drinking Water	8015B GRO LL	
380-213690-1 MSD	HALAWA WELLS P1 (331-023-WL065)	Total/NA	Drinking Water	8015B GRO LL	

GC Semi VOA

Prep Batch: 739333

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-213690-1	HALAWA WELLS P1 (331-023-WL065)	Total/NA	Drinking Water	3510C	
MB 570-739333/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-739333/2-A	Lab Control Sample	Total/NA	Water	3510C	

Eurofins Pomona

QC Association Summary

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

Job ID: 380-213690-1
SDG: Weekly: Halawa Wells P1 (MS/MSD)

GC Semi VOA (Continued)

Prep Batch: 739333 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 570-739333/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MRL 570-739333/4-A	Lab Control Sample	Total/NA	Water	3510C	
380-213690-1 MS	HALAWA WELLS P1 (331-023-WL065)	Total/NA	Drinking Water	3510C	
380-213690-1 MSD	HALAWA WELLS P1 (331-023-WL065)	Total/NA	Drinking Water	3510C	

Analysis Batch: 739984

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-213690-1	HALAWA WELLS P1 (331-023-WL065)	Total/NA	Drinking Water	8015B	739333
MB 570-739333/1-A	Method Blank	Total/NA	Water	8015B	739333
LCS 570-739333/2-A	Lab Control Sample	Total/NA	Water	8015B	739333
LCSD 570-739333/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	739333
MRL 570-739333/4-A	Lab Control Sample	Total/NA	Water	8015B	739333
380-213690-1 MS	HALAWA WELLS P1 (331-023-WL065)	Total/NA	Drinking Water	8015B	739333
380-213690-1 MSD	HALAWA WELLS P1 (331-023-WL065)	Total/NA	Drinking Water	8015B	739333

Lab Chronicle

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

Job ID: 380-213690-1
SDG: Weekly: Halawa Wells P1 (MS/MSD)

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

Lab Sample ID: 380-213690-1

Date Collected: 05/11/26 10:03

Matrix: Drinking Water

Date Received: 05/13/26 09:28

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			227748	OTM3	EA POM	05/18/26 08:22
Total/NA	Analysis	525.2		1	227780	Q8LA	EA POM	05/18/26 15:35
Total/NA	Prep	625.1			740088	KLZQ	EET CAL 4	05/17/26 08:58
Total/NA	Analysis	625.1		1	744032	PQS1	EET CAL 4	05/26/26 12:44
Total/NA	Prep	625.1			740088	KLZQ	EET CAL 4	05/17/26 08:58
Total/NA	Analysis	625.1 SIM		1	741368	NUUG	EET CAL 4	05/20/26 02:44
Total/NA	Analysis	8015B GRO LL		1	740696	W4LC	EET CAL 4	05/18/26 20:14
Total/NA	Prep	3510C			739333	EP2G	EET CAL 4	05/15/26 07:20
Total/NA	Analysis	8015B		1	739984	H6FE	EET CAL 4	05/17/26 01:49

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

Lab Sample ID: 380-213690-2

Date Collected: 05/11/26 10:03

Matrix: Water

Date Received: 05/13/26 09:28

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015B GRO LL		1	740696	W4LC	EET CAL 4	05/19/26 00:28

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: 380-213690-1
 SDG: Weekly: Halawa Wells P1 (MS/MSD)

Laboratory: Eurofins Pomona

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Hawaii	State	CA00006	01-31-26 *

The following analytes are included in this report, but the laboratory is not certified by Hawaii State CA00006. This list may include analytes for which the agency does not offer certification :

Analysis Method	Prep Method	Matrix	Analyte
525.2	525.2	Drinking Water	1-Methylnaphthalene
525.2	525.2	Drinking Water	2,4'-DDD
525.2	525.2	Drinking Water	2,4'-DDE
525.2	525.2	Drinking Water	2,4'-DDT
525.2	525.2	Drinking Water	2,4-Dinitrotoluene
525.2	525.2	Drinking Water	2,6-Dinitrotoluene
525.2	525.2	Drinking Water	2-Methylnaphthalene
525.2	525.2	Drinking Water	4,4'-DDD
525.2	525.2	Drinking Water	4,4'-DDE
525.2	525.2	Drinking Water	4,4'-DDT
525.2	525.2	Drinking Water	Acetochlor
525.2	525.2	Drinking Water	alpha-BHC
525.2	525.2	Drinking Water	alpha-Chlordane
525.2	525.2	Drinking Water	beta-BHC
525.2	525.2	Drinking Water	Chlorobenzilate
525.2	525.2	Drinking Water	Chloroneb
525.2	525.2	Drinking Water	Chlorothalonil (Draconil, Bravo)
525.2	525.2	Drinking Water	Chlorpyrifos
525.2	525.2	Drinking Water	delta-BHC
525.2	525.2	Drinking Water	Diclorvos (DDVP)
525.2	525.2	Drinking Water	Endosulfan I (Alpha)
525.2	525.2	Drinking Water	Endosulfan II (Beta)
525.2	525.2	Drinking Water	Endosulfan sulfate
525.2	525.2	Drinking Water	Endrin aldehyde
525.2	525.2	Drinking Water	EPTC
525.2	525.2	Drinking Water	gamma-Chlordane
525.2	525.2	Drinking Water	Isophorone
525.2	525.2	Drinking Water	Malathion
525.2	525.2	Drinking Water	Parathion
525.2	525.2	Drinking Water	Pendimethalin (Penoxaline)
525.2	525.2	Drinking Water	Terbacil
525.2	525.2	Drinking Water	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	11-17-26
California	Los Angeles County Sanitation Districts	9257304	07-31-26
California	SCAQMD LAP	17LA0919	11-30-26

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

Accreditation/Certification Summary

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

Job ID: 380-213690-1
SDG: Weekly: Halawa Wells P1 (MS/MSD)

Laboratory: Eurofins Calscience (Continued)

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

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

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Method Summary

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

Job ID: 380-213690-1
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: 380-213690-1
SDG: Weekly: Halawa Wells P1 (MS/MSD)


Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
380-213690-1	HALAWA WELLS P1 (331-023-WL065)	Drinking Water	05/11/26 10:03	05/13/26 09:28	Hawaii
380-213690-2	TB: HALAWA WELLS P1 (331-023-WL065)	Water	05/11/26 10:03	05/13/26 09:28	Hawaii

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Chain of Custody Record



Environmental Testing

Client Information Client Contact: Kirk Iwamoto Phone: +1 808 748 5840 City & County of Honolulu		Lab Pk: Lopez, Maria E-Mail: Maria.Lopez@euofins.com PWSID:		Sampler: bailey Phone: +1 808 748 5840 City & County of Honolulu		Carrier Tracking No(s): State of Origin:		COC No: Page: Page 1 of 1 Job #:		
Address: 630 South Beretania Street Chemistry Lab City: Honolulu State Zip: HI, 96843 Phone: 808-748-5840 (Tel) Email: kiwamoto@hbws.org		Due Date Requested: TAT Requested (days): Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No RO #: C20525101 exp 05312023 WO #:		Project #: 38001111 SSOW#:		Preservation Codes: R - NaThioSO4 RA - NaThioHCl Q - Na2SO3 QA - Na2SO3/HCl Y - Trizma I - NH4 Acetate		380-213690 COC  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 11-May-2026 11-May-2026	Sample Time 1003 1003	Sample Type (C=Comp, G=grab) G G	Matrix (Water, Spikes, On-site/Off-site, or Tri-Tissue, A+B) Water Water Water Water	Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/>	Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/>	826.1, 826.1, SIM 80158_GRO_LL - (MOD) GRO 80158_DRO_LL_CS - HNL Ranges, C10-C24/C24-C18/C8-C18 826.2_PREC - (MOD) 825plus Plus TICs 837.1_DW_PREC - 837.1 Full List 833 - All Analytes	Total Number of Containers X	Special Instructions/Note: Special Instructions/QC Requirements: Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: I, II, III, IV, Other (specify)										
Empty Kit Relinquished by:		Date:		Method of Shipment: Fed X 577 1402 6046 Date/Time: 5/13/26 928 Company: BAP Received by:		Date/Time:		Company:		
Relinquished by:		Date/Time: 12/13/2026		Company: HBWS Received by:		Date/Time:		Company:		
Custody Seals Intact: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Custody Seal No.		Cooler Temperature(s) °C and Other Remarks: (HSA) 2.6 + 0.0 - 2.6 gel - frozen		Date/Time:		Company:		

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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 12MAY26
ACTWGT 57.00 LB
CAD 258050552/INET4535

BILL RECIPIENT

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

58KJ2/206/1494B

POMONA CA 91768

(626) 386-1100 REF

INV

PO

DEPT.



WED - 13 MAY 10:30A

PRIORITY OVERNIGHT

4 of 6

MPS# 8717 1902 6079

0263

Mstr# 8717 1902 6046

91768

WM ONTA

CA-US ONT



(6314) 3.6+0.0 3.6 gpl-frozen
Mstr# Markumonia 5/13/26

After printing this label
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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Chain of Custody Record



Client Information (Sub Contract Lab)			Sampler: N/A			Lab PM: Lopez, Maria			Carrier Tracking No(s): N/A			COC No: 380-334302.1					
Client Contact			Phone: N/A			E-Mail: Maria.Lopez@et.eurofinsus.com			State of Origin: Hawaii			Page: Page 1 of 1					
Shipping/Receiving						Accreditations Required (See note): State - Hawaii						Job #: 380-213690-1					
Company: Eurofins Environment Testing Southwest L						Analysis Requested						Preservation Codes:					
Address: 2841 Dow Avenue, Suite 100, Tustin, CA, 92780												Due Date Requested: 5/27/2026					
Phone: 714-895-5494(Tel)						PO #: N/A						Field Filtered Sample (Yes or No) Total Number of Containers					
Email: N/A						WO #: N/A											
Project Name: RED-HILL						Project #: 38001111						Perform MS/MSD (Yes or No) Other: N/A					
Site: Honolulu BWS Sites						SSOW#: N/A						801SB_DRO_LL_CSAS10C_LLHLL Ranges: C10-C24/C24-C36/C8-C18					
Matrix (W=water, S=solid, O=water/soil, BT=tissue, A=air)						801SB_GRO_LL/803C(MOD) GRO						825_1_SMM25_Prep(MOD) Extended PAH List					
Sample Identification - Client ID (Lab ID)						Sample Date						Sample Time					
Sample Type (C=comp, G=grab)						Sample Matrix						Field Filtered Sample (Yes or No)					
Preservation Code:						Performance						Total Number of Containers					
HALAWA WELLS P1 (331-023-WL065) (380-213690-1)						5/11/26						10:03 Hawaiian					
HALAWA WELLS P1 (331-023-WL065) (380-213690-1MS)						5/11/26						10:03 Hawaiian					
HALAWA WELLS P1 (331-023-WL065) (380-213690-1MSD)						5/11/26						10:03 Hawaiian					
TB: HALAWA WELLS P1 (331-023-WL065) (380-213690-2)						5/11/26						10:03 Hawaiian					



380-213690 Chain of Custody

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

Possible Hazard Identification				Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
Unconfirmed				<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:				Date:			
Relinquished by:		Date/Time:		Company:		Received by:	
[Signature]		5/14/26 10:18		DCS		[Signature]	
Relinquished by:		Date/Time:		Company:		Received by:	
[Signature]		5-14 11:38		DCS		[Signature]	
Relinquished by:		Date/Time:		Company:		Received by:	
[Signature]		5/14/26 11:38		DCS		[Signature]	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No				Custody Seal No.:			
Cooler Temperature(s) °C and Other Remarks:				1.6/1.9 IR-9			



Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-213690-1

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

Login Number: 213690

List Source: Eurofins Pomona

List Number: 1

Creator: Edrosa, Rey

Question	Answer	Comment
The coolers custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
Samples were received on ice.	True	
Cooler(s) Temperature is acceptable.	True	
Cooler(s) Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and is legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
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: 380-213690-1
SDG Number: Weekly: Halawa Wells P1 (MS/MSD)

Login Number: 213690

List Number: 2

Creator: Szymborski, Jessica

List Source: Eurofins Calscience

List Creation: 05/14/26 03:58 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	1.6/1.9
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	