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ANALYTICAL REPORT

PREPARED FOR

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JOB DESCRIPTION

RED-HILL
Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)/ Aiea Wells Pumps 1&2 P2
RUSH Weekly Red Hill

JOB NUMBER

380-174167-1

Eurofins Eaton Analytical Pomona

Job Notes

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

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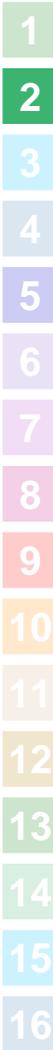


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Definitions/Glossary

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

Job ID: 380-174167-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)/ Aiea
Wells Pumps 1&2 P2

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA TICs

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

Glossary

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

Case Narrative

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

Job ID: 380-174167-1

Job ID: 380-174167-1

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Job Narrative 380-174167-1

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 10/1/2025 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 6 coolers at receipt time were 0.6°C, 1.7°C, 2.4°C, 4.7°C, 4.9°C and 5.2°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.

Detection Summary

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

Job ID: 380-174167-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)/ Aiea
Wells Pumps 1&2 P2

Client Sample ID: HALAWA WELLS UNITS 1 & 2 P1

Lab Sample ID: 380-174167-1

(331-206-TP065)

PWSID Number: HI0000331

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin	0.036		0.0099	ug/L	1		525.2	Total/NA
Heptachlor epoxide (isomer B)	0.010		0.0099	ug/L	1		525.2	Total/NA

Client Sample ID: TB: HALAWA WELLS UNITS 1 & 2

Lab Sample ID: 380-174167-2

(331-206-TP065)

No Detections.

Client Sample ID: AIEA WELLS PUMPS 1&2 (260) P2

Lab Sample ID: 380-174167-3

(331-203-TP400)

PWSID Number: HI0000331

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin	0.011		0.0098	ug/L	1		525.2	Total/NA

Client Sample ID: TB: AIEA WELLS PUMPS 1&2 (260)

Lab Sample ID: 380-174167-4

(331-203-TP400)

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: 380-174167-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)/ Aiea
Wells Pumps 1&2 P2

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

Lab Sample ID: 380-174167-1

Date Collected: 09/29/25 10:09

Matrix: Drinking Water

Date Received: 10/01/25 10:00

PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.099		0.099	ug/L		10/02/25 09:05	10/03/25 15:36	1
2,4'-DDD	<0.099		0.099	ug/L		10/02/25 09:05	10/03/25 15:36	1
2,4'-DDE	<0.099		0.099	ug/L		10/02/25 09:05	10/03/25 15:36	1
2,4' DDT	<0.099		0.099	ug/L		10/02/25 09:05	10/03/25 15:36	1
2,4-Dinitrotoluene	<0.099		0.099	ug/L		10/02/25 09:05	10/03/25 15:36	1
2,6-Dinitrotoluene	<0.099		0.099	ug/L		10/02/25 09:05	10/03/25 15:36	1
2-Methylnaphthalene	<0.099		0.099	ug/L		10/02/25 09:05	10/03/25 15:36	1
4,4'-DDD	<0.099		0.099	ug/L		10/02/25 09:05	10/03/25 15:36	1
4,4'-DDE	<0.099		0.099	ug/L		10/02/25 09:05	10/03/25 15:36	1
4,4'-DDT	<0.099		0.099	ug/L		10/02/25 09:05	10/03/25 15:36	1
Acenaphthene	<0.099		0.099	ug/L		10/02/25 09:05	10/03/25 15:36	1
Acenaphthylene	<0.099		0.099	ug/L		10/02/25 09:05	10/03/25 15:36	1
Acetochlor	<0.099		0.099	ug/L		10/02/25 09:05	10/03/25 15:36	1
Alachlor	<0.049		0.049	ug/L		10/02/25 09:05	10/03/25 15:36	1
alpha-BHC	<0.099		0.099	ug/L		10/02/25 09:05	10/03/25 15:36	1
alpha-Chlordane	<0.049		0.049	ug/L		10/02/25 09:05	10/03/25 15:36	1
Anthracene	<0.020		0.020	ug/L		10/02/25 09:05	10/03/25 15:36	1
Atrazine	<0.049		0.049	ug/L		10/02/25 09:05	10/03/25 15:36	1
Benz(a)anthracene	<0.049		0.049	ug/L		10/02/25 09:05	10/03/25 15:36	1
Benzo[a]pyrene	<0.020		0.020	ug/L		10/02/25 09:05	10/03/25 15:36	1
Benzo[b]fluoranthene	<0.020		0.020	ug/L		10/02/25 09:05	10/03/25 15:36	1
Benzo[g,h,i]perylene	<0.049		0.049	ug/L		10/02/25 09:05	10/03/25 15:36	1
Benzo[k]fluoranthene	<0.020		0.020	ug/L		10/02/25 09:05	10/03/25 15:36	1
beta-BHC	<0.099		0.099	ug/L		10/02/25 09:05	10/03/25 15:36	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59	ug/L		10/02/25 09:05	10/03/25 15:36	1
Bromacil	<0.099		0.099	ug/L		10/02/25 09:05	10/03/25 15:36	1
Butachlor	<0.049		0.049	ug/L		10/02/25 09:05	10/03/25 15:36	1
Butylbenzylphthalate	<0.49		0.49	ug/L		10/02/25 09:05	10/03/25 15:36	1
Chlorobenzilate	<0.099		0.099	ug/L		10/02/25 09:05	10/03/25 15:36	1
Chloroneb	<0.099		0.099	ug/L		10/02/25 09:05	10/03/25 15:36	1
Chlorothalonil (Draconil, Bravo)	<0.099		0.099	ug/L		10/02/25 09:05	10/03/25 15:36	1
Chlorpyrifos	<0.049		0.049	ug/L		10/02/25 09:05	10/03/25 15:36	1
Chrysene	<0.020		0.020	ug/L		10/02/25 09:05	10/03/25 15:36	1
delta-BHC	<0.099		0.099	ug/L		10/02/25 09:05	10/03/25 15:36	1
Di(2-ethylhexyl)adipate	<0.59		0.59	ug/L		10/02/25 09:05	10/03/25 15:36	1
Dibenz(a,h)anthracene	<0.049		0.049	ug/L		10/02/25 09:05	10/03/25 15:36	1
Diclorvos (DDVP)	<0.049		0.049	ug/L		10/02/25 09:05	10/03/25 15:36	1
Dieldrin	0.036		0.0099	ug/L		10/02/25 09:05	10/03/25 15:36	1
Diethylphthalate	<0.49		0.49	ug/L		10/02/25 09:05	10/03/25 15:36	1
Dimethylphthalate	<0.49		0.49	ug/L		10/02/25 09:05	10/03/25 15:36	1
Di-n-butyl phthalate	<0.99		0.99	ug/L		10/02/25 09:05	10/03/25 15:36	1
Di-n-octyl phthalate	<0.099		0.099	ug/L		10/02/25 09:05	10/03/25 15:36	1
Endosulfan I (Alpha)	<0.099		0.099	ug/L		10/02/25 09:05	10/03/25 15:36	1
Endosulfan II (Beta)	<0.099		0.099	ug/L		10/02/25 09:05	10/03/25 15:36	1
Endosulfan sulfate	<0.099		0.099	ug/L		10/02/25 09:05	10/03/25 15:36	1
Endrin	<0.0099		0.0099	ug/L		10/02/25 09:05	10/03/25 15:36	1
Endrin aldehyde	<0.099		0.099	ug/L		10/02/25 09:05	10/03/25 15:36	1

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Client Sample Results

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

Job ID: 380-174167-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)/ Aiea
Wells Pumps 1&2 P2

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

Lab Sample ID: 380-174167-1

Date Collected: 09/29/25 10:09

Matrix: Drinking Water

Date Received: 10/01/25 10:00

PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
EPTC	<0.099		0.099	ug/L		10/02/25 09:05	10/03/25 15:36	1
Fluoranthene	<0.099		0.099	ug/L		10/02/25 09:05	10/03/25 15:36	1
Fluorene	<0.049		0.049	ug/L		10/02/25 09:05	10/03/25 15:36	1
gamma-Chlordane	0.049		0.049	ug/L		10/02/25 09 05	10/03/25 15 36	1
Heptachlor	<0.0099	^+	0.0099	ug/L		10/02/25 09:05	10/03/25 15:36	1
Heptachlor epoxide (isomer B)	0.010		0.0099	ug/L		10/02/25 09:05	10/03/25 15:36	1
Hexachlorobenzene	<0.049		0.049	ug/L		10/02/25 09:05	10/03/25 15:36	1
Hexachlorocyclopentadiene	<0.049		0.049	ug/L		10/02/25 09:05	10/03/25 15:36	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049	ug/L		10/02/25 09:05	10/03/25 15:36	1
Isophorone	<0.099		0.099	ug/L		10/02/25 09:05	10/03/25 15:36	1
Lindane	<0.0099		0.0099	ug/L		10/02/25 09:05	10/03/25 15:36	1
Malathion	<0.099		0.099	ug/L		10/02/25 09:05	10/03/25 15:36	1
Methoxychlor	<0.049		0.049	ug/L		10/02/25 09:05	10/03/25 15:36	1
Metolachlor	<0.049		0.049	ug/L		10/02/25 09:05	10/03/25 15:36	1
Molinate	<0.099		0.099	ug/L		10/02/25 09:05	10/03/25 15:36	1
Naphthalene	<0.099		0.099	ug/L		10/02/25 09:05	10/03/25 15:36	1
Parathion	<0.099	^+ **	0.099	ug/L		10/02/25 09:05	10/03/25 15:36	1
Pendimethalin (Penoxaline)	<0.099		0.099	ug/L		10/02/25 09:05	10/03/25 15:36	1
Phenanthrene	<0.040		0.040	ug/L		10/02/25 09:05	10/03/25 15:36	1
Propachlor	<0.049		0.049	ug/L		10/02/25 09:05	10/03/25 15:36	1
Pyrene	<0.049		0.049	ug/L		10/02/25 09:05	10/03/25 15:36	1
Simazine	<0.049		0.049	ug/L		10/02/25 09:05	10/03/25 15:36	1
Terbacil	<0.099	^+ **	0.099	ug/L		10/02/25 09:05	10/03/25 15:36	1
Terbutylazine	<0.099		0.099	ug/L		10/02/25 09:05	10/03/25 15:36	1
Thiobencarb	<0.099		0.099	ug/L		10/02/25 09:05	10/03/25 15:36	1
Total Permethrin (mixed isomers)	<0.20		0.20	ug/L		10/02/25 09:05	10/03/25 15:36	1
trans-Nonachlor	<0.049		0.049	ug/L		10/02/25 09:05	10/03/25 15:36	1
Trifluralin	<0.099		0.099	ug/L		10/02/25 09:05	10/03/25 15:36	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A	10/02/25 09:05	10/03/25 15:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	101		70 - 130	10/02/25 09:05	10/03/25 15:36	1
Perylene-d12	93		70 - 130	10/02/25 09:05	10/03/25 15:36	1
Triphenylphosphate	108		70 - 130	10/02/25 09:05	10/03/25 15:36	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		10/02/25 05:00	10/08/25 19:57	1
2-Methylnaphthalene	<0.19		0.19	ug/L		10/02/25 05:00	10/08/25 19:57	1
Acenaphthene	<0.19		0.19	ug/L		10/02/25 05:00	10/08/25 19:57	1
Acenaphthylene	<0.19		0.19	ug/L		10/02/25 05:00	10/08/25 19:57	1
Anthracene	<0.19		0.19	ug/L		10/02/25 05:00	10/08/25 19:57	1
Benzo[a]anthracene	<0.19		0.19	ug/L		10/02/25 05:00	10/08/25 19:57	1
Benzo[a]pyrene	<0.19		0.19	ug/L		10/02/25 05:00	10/08/25 19:57	1
Benzo[b]fluoranthene	<0.19		0.19	ug/L		10/02/25 05:00	10/08/25 19:57	1
Benzo[g,h,i]perylene	<0.19		0.19	ug/L		10/02/25 05:00	10/08/25 19:57	1

Eurofins Eaton Analytical Pomona

Client Sample Results

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

Job ID: 380-174167-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)/ Aiea
Wells Pumps 1&2 P2

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

Lab Sample ID: 380-174167-1

Date Collected: 09/29/25 10:09
Date Received: 10/01/25 10:00

Matrix: Drinking Water
PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	<0.19		0.19	ug/L		10/02/25 05:00	10/08/25 19:57	1
Chrysene	<0.19		0.19	ug/L		10/02/25 05:00	10/08/25 19:57	1
Dibenz(a,h)anthracene	<0.19		0.19	ug/L		10/02/25 05:00	10/08/25 19:57	1
Fluoranthene	<0.19		0.19	ug/L		10/02/25 05:00	10/08/25 19:57	1
Fluorene	<0.19		0.19	ug/L		10/02/25 05:00	10/08/25 19:57	1
Indeno[1,2,3-cd]pyrene	<0.19		0.19	ug/L		10/02/25 05:00	10/08/25 19:57	1
Naphthalene	<0.19		0.19	ug/L		10/02/25 05:00	10/08/25 19:57	1
Phenanthrene	<0.19		0.19	ug/L		10/02/25 05:00	10/08/25 19:57	1
Pyrene	<0.19		0.19	ug/L		10/02/25 05:00	10/08/25 19:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	88		28 - 127	10/02/25 05:00	10/08/25 19:57	1
2-Fluorobiphenyl (Surr)	82		31 - 120	10/02/25 05:00	10/08/25 19:57	1
2-Fluorophenol (Surr)	45		17 - 120	10/02/25 05:00	10/08/25 19:57	1
Nitrobenzene-d5 (Surr)	87		27 - 120	10/02/25 05:00	10/08/25 19:57	1
Phenol-d6 (Surr)	28		10 - 120	10/02/25 05:00	10/08/25 19:57	1
p-Terphenyl-d14 (Surr)	78		45 - 120	10/02/25 05:00	10/08/25 19:57	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	10/02/25 05:00	10/09/25 15:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	93		33 - 139	10/02/25 05:00	10/09/25 15:47	1
2-Fluorobiphenyl (Surr)	91		33 - 126	10/02/25 05:00	10/09/25 15:47	1
2-Fluorophenol (Surr)	50		12 - 120	10/02/25 05:00	10/09/25 15:47	1
Nitrobenzene-d5 (Surr)	111		36 - 120	10/02/25 05:00	10/09/25 15:47	1
Phenol-d6 (Surr)	32		10 - 120	10/02/25 05:00	10/09/25 15:47	1
p-Terphenyl-d14 (Surr)	88		47 - 131	10/02/25 05:00	10/09/25 15:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10	ug/L			10/12/25 13:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		38 - 134		10/12/25 13:46	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		10/02/25 09:53	10/12/25 18:06	1
Motor Oil Range Organics [C24-C36]	<26		26	ug/L		10/02/25 09:53	10/12/25 18:06	1
C8-C18	<26		26	ug/L		10/02/25 09:53	10/12/25 18:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	116		60 - 130	10/02/25 09:53	10/12/25 18:06	1

Client Sample Results

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

Job ID: 380-174167-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)/ Aiea
Wells Pumps 1&2 P2

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

Lab Sample ID: 380-174167-2

Date Collected: 09/29/25 10:09
Date Received: 10/01/25 10:00

Matrix: Drinking Water

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10	ug/L			10/12/25 13:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		38 - 134				10/12/25 13:06	1

**Client Sample ID: AIEA WELLS PUMPS 1&2 (260) P2
(331-203-TP400)**

Lab Sample ID: 380-174167-3

Date Collected: 09/29/25 11:18
Date Received: 10/01/25 10:00

Matrix: Water
PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.098		0.098	ug/L		10/02/25 09:05	10/03/25 15:56	1
2,4'-DDD	<0.098		0.098	ug/L		10/02/25 09:05	10/03/25 15:56	1
2,4'-DDE	<0.098		0.098	ug/L		10/02/25 09:05	10/03/25 15:56	1
2,4'-DDT	<0.098		0.098	ug/L		10/02/25 09:05	10/03/25 15:56	1
2,4-Dinitrotoluene	<0.098		0.098	ug/L		10/02/25 09:05	10/03/25 15:56	1
2,6-Dinitrotoluene	<0.098		0.098	ug/L		10/02/25 09:05	10/03/25 15:56	1
2-Methylnaphthalene	<0.098		0.098	ug/L		10/02/25 09:05	10/03/25 15:56	1
4,4'-DDD	<0.098		0.098	ug/L		10/02/25 09:05	10/03/25 15:56	1
4,4'-DDE	<0.098		0.098	ug/L		10/02/25 09:05	10/03/25 15:56	1
4,4'-DDT	<0.098		0.098	ug/L		10/02/25 09:05	10/03/25 15:56	1
Acenaphthene	<0.098		0.098	ug/L		10/02/25 09:05	10/03/25 15:56	1
Acenaphthylene	<0.098		0.098	ug/L		10/02/25 09:05	10/03/25 15:56	1
Acetochlor	<0.098		0.098	ug/L		10/02/25 09:05	10/03/25 15:56	1
Alachlor	<0.049		0.049	ug/L		10/02/25 09:05	10/03/25 15:56	1
alpha-BHC	<0.098		0.098	ug/L		10/02/25 09:05	10/03/25 15:56	1
alpha-Chlordane	<0.049		0.049	ug/L		10/02/25 09:05	10/03/25 15:56	1
Anthracene	<0.020		0.020	ug/L		10/02/25 09:05	10/03/25 15:56	1
Atrazine	<0.049		0.049	ug/L		10/02/25 09:05	10/03/25 15:56	1
Benz(a)anthracene	<0.049		0.049	ug/L		10/02/25 09:05	10/03/25 15:56	1
Benzo[a]pyrene	<0.020		0.020	ug/L		10/02/25 09:05	10/03/25 15:56	1
Benzo[b]fluoranthene	<0.020		0.020	ug/L		10/02/25 09:05	10/03/25 15:56	1
Benzo[g,h,i]perylene	<0.049		0.049	ug/L		10/02/25 09:05	10/03/25 15:56	1
Benzo[k]fluoranthene	<0.020		0.020	ug/L		10/02/25 09:05	10/03/25 15:56	1
beta-BHC	<0.098		0.098	ug/L		10/02/25 09:05	10/03/25 15:56	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59	ug/L		10/02/25 09:05	10/03/25 15:56	1
Bromacil	<0.098		0.098	ug/L		10/02/25 09:05	10/03/25 15:56	1
Butachlor	<0.049		0.049	ug/L		10/02/25 09:05	10/03/25 15:56	1
Butylbenzylphthalate	<0.49		0.49	ug/L		10/02/25 09:05	10/03/25 15:56	1
Chlorobenzilate	<0.098		0.098	ug/L		10/02/25 09:05	10/03/25 15:56	1
Chloroneb	<0.098		0.098	ug/L		10/02/25 09:05	10/03/25 15:56	1
Chlorothalonil (Draconil, Bravo)	<0.098		0.098	ug/L		10/02/25 09:05	10/03/25 15:56	1
Chlorpyrifos	<0.049		0.049	ug/L		10/02/25 09:05	10/03/25 15:56	1
Chrysene	<0.020		0.020	ug/L		10/02/25 09:05	10/03/25 15:56	1
delta-BHC	<0.098		0.098	ug/L		10/02/25 09:05	10/03/25 15:56	1
Di(2-ethylhexyl)adipate	<0.59		0.59	ug/L		10/02/25 09:05	10/03/25 15:56	1
Dibenz(a,h)anthracene	<0.049		0.049	ug/L		10/02/25 09:05	10/03/25 15:56	1

Eurofins Eaton Analytical Pomona

Client Sample Results

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

Job ID: 380-174167-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)/ Aiea
Wells Pumps 1&2 P2

**Client Sample ID: AIEA WELLS PUMPS 1&2 (260) P2
(331-203-TP400)**

Lab Sample ID: 380-174167-3

Date Collected: 09/29/25 11:18
Date Received: 10/01/25 10:00

Matrix: Water
PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diclorvos (DDVP)	<0.049		0.049	ug/L		10/02/25 09:05	10/03/25 15:56	1
Dieldrin	0.011		0.0098	ug/L		10/02/25 09:05	10/03/25 15:56	1
Diethylphthalate	<0.49		0.49	ug/L		10/02/25 09:05	10/03/25 15:56	1
Dimethylphthalate	<0.49		0.49	ug/L		10/02/25 09:05	10/03/25 15:56	1
Di-n-butyl phthalate	<0.98		0.98	ug/L		10/02/25 09:05	10/03/25 15:56	1
Di-n-octyl phthalate	<0.098		0.098	ug/L		10/02/25 09:05	10/03/25 15:56	1
Endosulfan I (Alpha)	<0.098		0.098	ug/L		10/02/25 09:05	10/03/25 15:56	1
Endosulfan II (Beta)	<0.098		0.098	ug/L		10/02/25 09:05	10/03/25 15:56	1
Endosulfan sulfate	<0.098		0.098	ug/L		10/02/25 09:05	10/03/25 15:56	1
Endrin	<0.0098		0.0098	ug/L		10/02/25 09:05	10/03/25 15:56	1
Endrin aldehyde	<0.098		0.098	ug/L		10/02/25 09:05	10/03/25 15:56	1
EPTC	<0.098		0.098	ug/L		10/02/25 09:05	10/03/25 15:56	1
Fluoranthene	<0.098		0.098	ug/L		10/02/25 09:05	10/03/25 15:56	1
Fluorene	<0.049		0.049	ug/L		10/02/25 09:05	10/03/25 15:56	1
gamma-Chlordane	<0.049		0.049	ug/L		10/02/25 09:05	10/03/25 15:56	1
Heptachlor	<0.0098	^+	0.0098	ug/L		10/02/25 09:05	10/03/25 15:56	1
Heptachlor epoxide (isomer B)	<0.0098		0.0098	ug/L		10/02/25 09:05	10/03/25 15:56	1
Hexachlorobenzene	<0.049		0.049	ug/L		10/02/25 09:05	10/03/25 15:56	1
Hexachlorocyclopentadiene	<0.049		0.049	ug/L		10/02/25 09:05	10/03/25 15:56	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049	ug/L		10/02/25 09:05	10/03/25 15:56	1
Isophorone	<0.098		0.098	ug/L		10/02/25 09:05	10/03/25 15:56	1
Lindane	<0.0098		0.0098	ug/L		10/02/25 09:05	10/03/25 15:56	1
Malathion	<0.098		0.098	ug/L		10/02/25 09:05	10/03/25 15:56	1
Methoxychlor	<0.049		0.049	ug/L		10/02/25 09:05	10/03/25 15:56	1
Metolachlor	<0.049		0.049	ug/L		10/02/25 09:05	10/03/25 15:56	1
Molinate	<0.098		0.098	ug/L		10/02/25 09:05	10/03/25 15:56	1
Naphthalene	<0.098		0.098	ug/L		10/02/25 09:05	10/03/25 15:56	1
Parathion	<0.098	^+ **	0.098	ug/L		10/02/25 09:05	10/03/25 15:56	1
Pendimethalin (Penoxaline)	<0.098		0.098	ug/L		10/02/25 09:05	10/03/25 15:56	1
Phenanthrene	<0.039		0.039	ug/L		10/02/25 09:05	10/03/25 15:56	1
Propachlor	<0.049		0.049	ug/L		10/02/25 09:05	10/03/25 15:56	1
Pyrene	<0.049		0.049	ug/L		10/02/25 09:05	10/03/25 15:56	1
Simazine	<0.049		0.049	ug/L		10/02/25 09:05	10/03/25 15:56	1
Terbacil	<0.098	^+ **	0.098	ug/L		10/02/25 09:05	10/03/25 15:56	1
Terbutylazine	<0.098		0.098	ug/L		10/02/25 09:05	10/03/25 15:56	1
Thiobencarb	<0.098		0.098	ug/L		10/02/25 09:05	10/03/25 15:56	1
Total Permethrin (mixed isomers)	<0.20		0.20	ug/L		10/02/25 09:05	10/03/25 15:56	1
trans-Nonachlor	<0.049		0.049	ug/L		10/02/25 09:05	10/03/25 15:56	1
Trifluralin	<0.098		0.098	ug/L		10/02/25 09:05	10/03/25 15:56	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	1.4	T J	ug/L		15.50	N/A	10/02/25 09:05	10/03/25 15:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	103		70 - 130	10/02/25 09:05	10/03/25 15:56	1
Perylene-d12	95		70 - 130	10/02/25 09:05	10/03/25 15:56	1
Triphenylphosphate	113		70 - 130	10/02/25 09:05	10/03/25 15:56	1

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Client Sample Results

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

Job ID: 380-174167-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)/ Aiea
Wells Pumps 1&2 P2

**Client Sample ID: AIEA WELLS PUMPS 1&2 (260) P2
(331-203-TP400)**

Lab Sample ID: 380-174167-3

Date Collected: 09/29/25 11:18
Date Received: 10/01/25 10:00

Matrix: Water
PWSID Number: HI0000331

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		10/02/25 05:00	10/08/25 21:03	1
2-Methylnaphthalene	<0.19		0.19	ug/L		10/02/25 05:00	10/08/25 21:03	1
Acenaphthene	<0.19		0.19	ug/L		10/02/25 05:00	10/08/25 21:03	1
Acenaphthylene	<0.19		0.19	ug/L		10/02/25 05:00	10/08/25 21:03	1
Anthracene	<0.19		0.19	ug/L		10/02/25 05:00	10/08/25 21:03	1
Benzo[a]anthracene	<0.19		0.19	ug/L		10/02/25 05:00	10/08/25 21:03	1
Benzo[a]pyrene	<0.19		0.19	ug/L		10/02/25 05:00	10/08/25 21:03	1
Benzo[b]fluoranthene	<0.19		0.19	ug/L		10/02/25 05:00	10/08/25 21:03	1
Benzo[g,h,i]perylene	<0.19		0.19	ug/L		10/02/25 05:00	10/08/25 21:03	1
Benzo[k]fluoranthene	<0.19		0.19	ug/L		10/02/25 05:00	10/08/25 21:03	1
Chrysene	<0.19		0.19	ug/L		10/02/25 05:00	10/08/25 21:03	1
Dibenz(a,h)anthracene	<0.19		0.19	ug/L		10/02/25 05:00	10/08/25 21:03	1
Fluoranthene	<0.19		0.19	ug/L		10/02/25 05:00	10/08/25 21:03	1
Fluorene	<0.19		0.19	ug/L		10/02/25 05:00	10/08/25 21:03	1
Indeno[1,2,3-cd]pyrene	<0.19		0.19	ug/L		10/02/25 05:00	10/08/25 21:03	1
Naphthalene	<0.19		0.19	ug/L		10/02/25 05:00	10/08/25 21:03	1
Phenanthrene	<0.19		0.19	ug/L		10/02/25 05:00	10/08/25 21:03	1
Pyrene	<0.19		0.19	ug/L		10/02/25 05:00	10/08/25 21:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	87		28 - 127	10/02/25 05:00	10/08/25 21:03	1
2-Fluorobiphenyl (Surr)	77		31 - 120	10/02/25 05:00	10/08/25 21:03	1
2-Fluorophenol (Surr)	45		17 - 120	10/02/25 05:00	10/08/25 21:03	1
Nitrobenzene-d5 (Surr)	82		27 - 120	10/02/25 05:00	10/08/25 21:03	1
Phenol-d6 (Surr)	29		10 - 120	10/02/25 05:00	10/08/25 21:03	1
p-Terphenyl-d14 (Surr)	86		45 - 120	10/02/25 05:00	10/08/25 21:03	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	10/02/25 05:00	10/09/25 16:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	91		33 - 139	10/02/25 05:00	10/09/25 16:09	1
2-Fluorobiphenyl (Surr)	88		33 - 126	10/02/25 05:00	10/09/25 16:09	1
2-Fluorophenol (Surr)	49		12 - 120	10/02/25 05:00	10/09/25 16:09	1
Nitrobenzene-d5 (Surr)	110		36 - 120	10/02/25 05:00	10/09/25 16:09	1
Phenol-d6 (Surr)	31		10 - 120	10/02/25 05:00	10/09/25 16:09	1
p-Terphenyl-d14 (Surr)	96		47 - 131	10/02/25 05:00	10/09/25 16:09	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10	ug/L			10/12/25 14:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		38 - 134		10/12/25 14:06	1

Client Sample Results

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

Job ID: 380-174167-1
 SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)/ Aiea
 Wells Pumps 1&2 P2

**Client Sample ID: AIEA WELLS PUMPS 1&2 (260) P2
 (331-203-TP400)**

Lab Sample ID: 380-174167-3

Date Collected: 09/29/25 11:18
 Date Received: 10/01/25 10:00

Matrix: Water
 PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<25		25	ug/L		10/02/25 09:53	10/12/25 18:27	1
Motor Oil Range Organics [C24-C36]	<25		25	ug/L		10/02/25 09:53	10/12/25 18:27	1
C8-C18	<25		25	ug/L		10/02/25 09:53	10/12/25 18:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	107		60 - 130			10/02/25 09:53	10/12/25 18:27	1

**Client Sample ID: TB: AIEA WELLS PUMPS 1&2 (260)
 (331-203-TP400)**

Lab Sample ID: 380-174167-4

Date Collected: 09/29/25 11:18
 Date Received: 10/01/25 10:00

Matrix: Water

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10	ug/L			10/12/25 13:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		38 - 134				10/12/25 13:26	1

Action Limit Summary

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

Job ID: 380-174167-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)/ Aiea
Wells Pumps 1&2 P2

Client Sample ID: HALAWA WELLS UNITS 1 & 2 P1

Lab Sample ID: 380-174167-1

(331-206-TP065)

PWSID Number: HI0000331

Compliance Check

The results obtained from the analytical testing of this data set were checked against compliance limits received from the client. Any results at or above the compliance limits have been highlighted for your convenience.

Analyte	Result	Qualifier	Unit	EPAMCL		Prep Type
				Limit	RL Method	
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	<0.0099		ug/L	2	0.0099 525.2	Total/NA
Heptachlor	<0.0099	^+	ug/L	0.4	0.0099 525.2	Total/NA
Heptachlor epoxide (isomer B)	0.010		ug/L	0.2	0.0099 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	<0.0099		ug/L	0.2	0.0099 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

Client Sample ID: AIEA WELLS PUMPS 1&2 (260) P2

Lab Sample ID: 380-174167-3

(331-203-TP400)

PWSID Number: HI0000331

Compliance Check

The results obtained from the analytical testing of this data set were checked against compliance limits received from the client. Any results at or above the compliance limits have been highlighted for your convenience.

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

Surrogate Summary

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

Job ID: 380-174167-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)/ Aiea
Wells Pumps 1&2 P2

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)
380-174167-1	HALAWA WELLS UNITS 1 & 2 P1 (	101	93	108

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)
380-173355-AS-1-A MS	Matrix Spike	103	95	110
380-173586-AS-1-A DU	Duplicate	102	90	108
380-174167-3	AIEA WELLS PUMPS 1&2 (260) P2 (331-203-TP400)	103	95	113
LCS 380-177502/22-A	Lab Control Sample	99	95	111
MB 380-177502/20-A	Method Blank	101	88	108
MRL 380-177502/21-A	Lab Control Sample	102	89	108

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)
380-174167-1	HALAWA WELLS UNITS 1 & 2 P1 (	93	91	50	111	32	88

Surrogate Legend

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

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (33-139)	FBP (33-126)	2FP (12-120)	NBZ (36-120)	PHL6 (10-120)	TPHd14 (47-131)
380-174167-3	AIEA WELLS PUMPS 1&2 (260) P2	91	88	49	110	31	96
MB 570-634277/1-A	Method Blank	93	89	52	115	35	93

Surrogate Legend

Surrogate Summary

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

Job ID: 380-174167-1
 SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)/ Aiea
 Wells Pumps 1&2 P2

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)
380-174167-1	HALAWA WELLS UNITS 1 & 2 P1 (	88	82	45	87	28	78
380-174167-1 MS	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	70	73	48	67	31	70
380-174167-1 MSD	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	81	84	53	73	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: 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)
380-174167-3	AIEA WELLS PUMPS 1&2 (260) P2	87	77	45	82	29	86
LCS 570-634277/2-A	Lab Control Sample	89	86	60	79	40	86
LCSD 570-634277/3-A	Lab Control Sample Dup	86	83	58	76	39	85
MB 570-634277/1-A	Method Blank	82	74	46	84	29	75

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)
380-174167-1	HALAWA WELLS UNITS 1 & 2 P1 (	94
380-174167-1 MS	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	98
380-174167-1 MSD	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	96
380-174167-2	TB: HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	98

Surrogate Summary

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

Job ID: 380-174167-1
 SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)/ Aiea
 Wells Pumps 1&2 P2

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)
380-174167-3	AIEA WELLS PUMPS 1&2 (260) P2	97
380-174167-4	TB: AIEA WELLS PUMPS 1&2 (260) (331-203-TP400)	96
LCS 570-639227/4	Lab Control Sample	91
LCSD 570-639227/5	Lab Control Sample Dup	95
MB 570-639227/6	Method Blank	94
MRL 570-639227/3	Lab Control Sample	90

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)
380-174167-1	HALAWA WELLS UNITS 1 & 2 P1 (	116
380-174167-1 MS	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	104
380-174167-1 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)
380-174167-3	AIEA WELLS PUMPS 1&2 (260) P2	107
LCS 570-634521/2-A	Lab Control Sample	110
LCSD 570-634521/3-A	Lab Control Sample Dup	107
MB 570-634521/1-A	Method Blank	114
MRL 570-634521/4-A	Lab Control Sample	110

Surrogate Legend

OTCSN = n-Octacosane (Surr)

QC Sample Results

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

Job ID: 380-174167-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)/ Aiea
Wells Pumps 1&2 P2

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

Lab Sample ID: MB 380-177502/20-A
Matrix: Water
Analysis Batch: 177810

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 177502

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
1-Methylnaphthalene	<0.097		0.097	ug/L		10/02/25 09:05	10/03/25 13:55	1
2,4'-DDD	<0.097		0.097	ug/L		10/02/25 09:05	10/03/25 13:55	1
2,4'-DDE	<0.097		0.097	ug/L		10/02/25 09:05	10/03/25 13:55	1
2,4'-DDT	<0.097		0.097	ug/L		10/02/25 09:05	10/03/25 13:55	1
2,4-Dinitrotoluene	<0.097		0.097	ug/L		10/02/25 09:05	10/03/25 13:55	1
2,6-Dinitrotoluene	<0.097		0.097	ug/L		10/02/25 09:05	10/03/25 13:55	1
2-Methylnaphthalene	<0.097		0.097	ug/L		10/02/25 09:05	10/03/25 13:55	1
4,4'-DDD	<0.097		0.097	ug/L		10/02/25 09:05	10/03/25 13:55	1
4,4'-DDE	<0.097		0.097	ug/L		10/02/25 09:05	10/03/25 13:55	1
4,4'-DDT	<0.097		0.097	ug/L		10/02/25 09:05	10/03/25 13:55	1
Acenaphthene	<0.097		0.097	ug/L		10/02/25 09:05	10/03/25 13:55	1
Acenaphthylene	<0.097		0.097	ug/L		10/02/25 09:05	10/03/25 13:55	1
Acetochlor	<0.097		0.097	ug/L		10/02/25 09:05	10/03/25 13:55	1
Alachlor	<0.049		0.049	ug/L		10/02/25 09:05	10/03/25 13:55	1
alpha-BHC	<0.097		0.097	ug/L		10/02/25 09:05	10/03/25 13:55	1
alpha-Chlordane	<0.049		0.049	ug/L		10/02/25 09:05	10/03/25 13:55	1
Anthracene	<0.019		0.019	ug/L		10/02/25 09:05	10/03/25 13:55	1
Atrazine	<0.049		0.049	ug/L		10/02/25 09:05	10/03/25 13:55	1
Benz(a)anthracene	<0.049		0.049	ug/L		10/02/25 09:05	10/03/25 13:55	1
Benzo[a]pyrene	<0.019		0.019	ug/L		10/02/25 09:05	10/03/25 13:55	1
Benzo[b]fluoranthene	<0.019		0.019	ug/L		10/02/25 09:05	10/03/25 13:55	1
Benzo[g,h,i]perylene	<0.049		0.049	ug/L		10/02/25 09:05	10/03/25 13:55	1
Benzo[k]fluoranthene	<0.019		0.019	ug/L		10/02/25 09:05	10/03/25 13:55	1
beta-BHC	<0.097		0.097	ug/L		10/02/25 09:05	10/03/25 13:55	1
Bis(2-ethylhexyl) phthalate	<0.58		0.58	ug/L		10/02/25 09:05	10/03/25 13:55	1
Bromacil	<0.097		0.097	ug/L		10/02/25 09:05	10/03/25 13:55	1
Butachlor	<0.049		0.049	ug/L		10/02/25 09:05	10/03/25 13:55	1
Butylbenzylphthalate	<0.49		0.49	ug/L		10/02/25 09:05	10/03/25 13:55	1
Chlorobenzilate	<0.097		0.097	ug/L		10/02/25 09:05	10/03/25 13:55	1
Chloroneb	<0.097		0.097	ug/L		10/02/25 09:05	10/03/25 13:55	1
Chlorothalonil (Draconil, Bravo)	<0.097		0.097	ug/L		10/02/25 09:05	10/03/25 13:55	1
Chlorpyrifos	<0.049		0.049	ug/L		10/02/25 09:05	10/03/25 13:55	1
Chrysene	<0.019		0.019	ug/L		10/02/25 09:05	10/03/25 13:55	1
delta-BHC	<0.097		0.097	ug/L		10/02/25 09:05	10/03/25 13:55	1
Di(2-ethylhexyl)adipate	<0.58		0.58	ug/L		10/02/25 09:05	10/03/25 13:55	1
Dibenz(a,h)anthracene	<0.049		0.049	ug/L		10/02/25 09:05	10/03/25 13:55	1
Diclorvos (DDVP)	<0.049		0.049	ug/L		10/02/25 09:05	10/03/25 13:55	1
Dieldrin	<0.0097		0.0097	ug/L		10/02/25 09:05	10/03/25 13:55	1
Diethylphthalate	<0.49		0.49	ug/L		10/02/25 09:05	10/03/25 13:55	1
Dimethylphthalate	<0.49		0.49	ug/L		10/02/25 09:05	10/03/25 13:55	1
Di-n-butyl phthalate	<0.97		0.97	ug/L		10/02/25 09:05	10/03/25 13:55	1
Di-n-octyl phthalate	<0.097		0.097	ug/L		10/02/25 09:05	10/03/25 13:55	1
Endosulfan I (Alpha)	<0.097		0.097	ug/L		10/02/25 09:05	10/03/25 13:55	1
Endosulfan II (Beta)	<0.097		0.097	ug/L		10/02/25 09:05	10/03/25 13:55	1
Endosulfan sulfate	<0.097		0.097	ug/L		10/02/25 09:05	10/03/25 13:55	1
Endrin	<0.0097		0.0097	ug/L		10/02/25 09:05	10/03/25 13:55	1
Endrin aldehyde	<0.097		0.097	ug/L		10/02/25 09:05	10/03/25 13:55	1

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-174167-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)/ Aiea
Wells Pumps 1&2 P2

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

Lab Sample ID: MB 380-177502/20-A
Matrix: Water
Analysis Batch: 177810

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 177502

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
EPTC	<0.097		0.097	ug/L		10/02/25 09:05	10/03/25 13:55	1
Fluoranthene	<0.097		0.097	ug/L		10/02/25 09:05	10/03/25 13:55	1
Fluorene	<0.049		0.049	ug/L		10/02/25 09:05	10/03/25 13:55	1
gamma-Chlordane	<0.049		0.049	ug/L		10/02/25 09:05	10/03/25 13:55	1
Heptachlor	<0.0097		0.0097	ug/L		10/02/25 09:05	10/03/25 13:55	1
Heptachlor epoxide (isomer B)	<0.0097		0.0097	ug/L		10/02/25 09:05	10/03/25 13:55	1
Hexachlorobenzene	<0.049		0.049	ug/L		10/02/25 09:05	10/03/25 13:55	1
Hexachlorocyclopentadiene	<0.049		0.049	ug/L		10/02/25 09:05	10/03/25 13:55	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049	ug/L		10/02/25 09:05	10/03/25 13:55	1
Isophorone	<0.097		0.097	ug/L		10/02/25 09:05	10/03/25 13:55	1
Lindane	<0.0097		0.0097	ug/L		10/02/25 09:05	10/03/25 13:55	1
Malathion	<0.097		0.097	ug/L		10/02/25 09:05	10/03/25 13:55	1
Methoxychlor	<0.049		0.049	ug/L		10/02/25 09:05	10/03/25 13:55	1
Metolachlor	<0.049		0.049	ug/L		10/02/25 09:05	10/03/25 13:55	1
Molinate	<0.097		0.097	ug/L		10/02/25 09:05	10/03/25 13:55	1
Naphthalene	<0.097		0.097	ug/L		10/02/25 09:05	10/03/25 13:55	1
Parathion	<0.097		0.097	ug/L		10/02/25 09:05	10/03/25 13:55	1
Pendimethalin (Penoxaline)	<0.097		0.097	ug/L		10/02/25 09:05	10/03/25 13:55	1
Phenanthrene	<0.039		0.039	ug/L		10/02/25 09:05	10/03/25 13:55	1
Propachlor	<0.049		0.049	ug/L		10/02/25 09:05	10/03/25 13:55	1
Pyrene	<0.049		0.049	ug/L		10/02/25 09:05	10/03/25 13:55	1
Simazine	<0.049		0.049	ug/L		10/02/25 09:05	10/03/25 13:55	1
Terbacil	<0.097		0.097	ug/L		10/02/25 09:05	10/03/25 13:55	1
Terbutylazine	<0.097		0.097	ug/L		10/02/25 09:05	10/03/25 13:55	1
Thiobencarb	<0.097		0.097	ug/L		10/02/25 09:05	10/03/25 13:55	1
Total Permethrin (mixed isomers)	<0.19		0.19	ug/L		10/02/25 09:05	10/03/25 13:55	1
trans-Nonachlor	<0.049		0.049	ug/L		10/02/25 09:05	10/03/25 13:55	1
Trifluralin	<0.097		0.097	ug/L		10/02/25 09:05	10/03/25 13:55	1

Tentatively Identified Compound	MB MB		Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
	Est. Result	Qualifier							
Plumbane, diethyldimethyl-	0.508	T J N	ug/L		3.29	1762-27-2	10/02/25 09:05	10/03/25 13:55	1
Cyclohexasiloxane, dodecamethyl-	1.17	T J N	ug/L		3.90	540-97-6	10/02/25 09:05	10/03/25 13:55	1
Hexadecanamide	0.498	T J N	ug/L		7.04	629-54-9	10/02/25 09:05	10/03/25 13:55	1
9-Octadecenamide, (Z)-	7.09	T J N	ug/L		7.90	301-02-0	10/02/25 09:05	10/03/25 13:55	1
9-Octadecenamide, (Z)-	0.752	T J N	ug/L		8.00	301-02-0	10/02/25 09:05	10/03/25 13:55	1
13-Docosenamide, (Z)-	3.31	T J N	ug/L		10.42	112-84-5	10/02/25 09:05	10/03/25 13:55	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2-Nitro-m-xylene	101		70 - 130	10/02/25 09:05	10/03/25 13:55	1
Perylene-d12	88		70 - 130	10/02/25 09:05	10/03/25 13:55	1
Triphenylphosphate	108		70 - 130	10/02/25 09:05	10/03/25 13:55	1

QC Sample Results

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

Job ID: 380-174167-1
 SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)/ Aiea
 Wells Pumps 1&2 P2

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

Lab Sample ID: LCS 380-177502/22-A
Matrix: Water
Analysis Batch: 177810

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 177502

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	1.95	1.84		ug/L		95	70 - 130
2,4'-DDD	1.95	2.04		ug/L		104	70 - 130
2,4'-DDE	1.95	2.03		ug/L		104	70 - 130
2,4'-DDT	1.95	2.22		ug/L		114	70 - 130
2,4-Dinitrotoluene	1.95	2.35		ug/L		120	70 - 130
2,6-Dinitrotoluene	1.95	2.28		ug/L		117	70 - 130
2-Methylnaphthalene	1.95	1.86		ug/L		96	70 - 130
4,4'-DDD	1.95	2.07		ug/L		106	70 - 130
4,4'-DDE	1.95	2.17		ug/L		112	70 - 130
4,4'-DDT	1.95	2.13		ug/L		109	70 - 130
Acenaphthene	1.95	1.87		ug/L		96	70 - 130
Acenaphthylene	1.95	1.89		ug/L		97	70 - 130
Acetochlor	1.95	2.23		ug/L		114	70 - 130
Alachlor	1.95	2.18		ug/L		112	70 - 130
alpha-BHC	1.95	2.10		ug/L		108	70 - 130
alpha-Chlordane	1.95	1.99		ug/L		102	70 - 130
Anthracene	1.95	1.94		ug/L		99	70 - 130
Atrazine	1.95	2.28		ug/L		117	70 - 130
Benz(a)anthracene	1.95	1.99		ug/L		102	70 - 130
Benzo[a]pyrene	1.95	2.01		ug/L		103	70 - 130
Benzo[b]fluoranthene	1.95	1.97		ug/L		101	70 - 130
Benzo[g,h,i]perylene	1.95	1.94		ug/L		100	70 - 130
Benzo[k]fluoranthene	1.95	2.05		ug/L		105	70 - 130
beta-BHC	1.95	2.14		ug/L		110	70 - 130
Bis(2-ethylhexyl) phthalate	1.95	1.87		ug/L		96	70 - 130
Bromacil	1.95	2.41		ug/L		124	70 - 130
Butachlor	1.95	2.19		ug/L		112	70 - 130
Butylbenzylphthalate	1.95	2.25		ug/L		116	70 - 130
Chlorobenzilate	1.95	2.36		ug/L		121	70 - 130
Chloroneb	1.95	1.91		ug/L		98	70 - 130
Chlorothalonil (Draconil, Bravo)	1.95	2.11		ug/L		108	70 - 130
Chlorpyrifos	1.95	2.28		ug/L		117	70 - 130
Chrysene	1.95	1.87		ug/L		96	70 - 130
delta-BHC	1.95	2.05		ug/L		105	70 - 130
Di(2-ethylhexyl)adipate	1.95	2.24		ug/L		115	70 - 130
Dibenz(a,h)anthracene	1.95	1.95		ug/L		100	70 - 130
Diclorvos (DDVP)	1.95	2.19		ug/L		112	70 - 130
Dieldrin	1.95	1.87		ug/L		96	70 - 130
Diethylphthalate	1.95	2.15		ug/L		111	70 - 130
Dimethylphthalate	1.95	2.10		ug/L		108	70 - 130
Di-n-butyl phthalate	3.90	4.70		ug/L		121	70 - 130
Di-n-octyl phthalate	1.95	1.93		ug/L		99	70 - 130
Endosulfan I (Alpha)	1.95	1.89		ug/L		97	70 - 130
Endosulfan II (Beta)	1.95	2.01		ug/L		103	70 - 130
Endosulfan sulfate	1.95	2.05		ug/L		105	70 - 130
Endrin	1.95	2.31		ug/L		118	70 - 130
Endrin aldehyde	1.95	1.89		ug/L		97	60 - 130

QC Sample Results

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

Job ID: 380-174167-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)/ Aiea
Wells Pumps 1&2 P2

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

Lab Sample ID: LCS 380-177502/22-A

Matrix: Water

Analysis Batch: 177810

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 177502

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
EPTC	1.95	2.03		ug/L		104	70 - 130
Fluoranthene	1.95	2.09		ug/L		107	70 - 130
Fluorene	1.95	1.99		ug/L		102	70 - 130
gamma-Chlordane	1.95	2.01		ug/L		103	70 - 130
Heptachlor	1.95	2.25		ug/L		116	70 - 130
Heptachlor epoxide (isomer B)	1.95	2.22		ug/L		114	70 - 130
Hexachlorobenzene	1.95	2.09		ug/L		107	70 - 130
Hexachlorocyclopentadiene	1.95	2.09		ug/L		107	70 - 130
Indeno[1,2,3-cd]pyrene	1.95	2.03		ug/L		104	70 - 130
Isophorone	1.95	2.02		ug/L		104	70 - 130
Lindane	1.95	2.07		ug/L		106	70 - 130
Malathion	1.95	2.23		ug/L		114	70 - 130
Methoxychlor	1.95	2.17		ug/L		111	70 - 130
Metolachlor	1.95	2.22		ug/L		114	70 - 130
Molinate	1.95	2.10		ug/L		108	70 - 130
Naphthalene	1.95	1.87		ug/L		96	70 - 130
Parathion	1.95	2.59	*+	ug/L		133	70 - 130
Pendimethalin (Penoxaline)	1.95	2.13		ug/L		109	70 - 130
Phenanthrene	1.95	1.76		ug/L		90	70 - 130
Propachlor	1.95	2.33		ug/L		120	70 - 130
Pyrene	1.95	2.07		ug/L		106	70 - 130
Simazine	1.95	2.31		ug/L		119	70 - 130
Terbacil	1.95	2.65	*+	ug/L		136	70 - 130
Terbutylazine	1.95	2.24		ug/L		115	70 - 130
Thiobencarb	1.95	2.20		ug/L		113	70 - 130
trans-Nonachlor	1.95	1.90		ug/L		98	70 - 130
Trifluralin	1.95	2.05		ug/L		105	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2-Nitro-m-xylene	99		70 - 130
Perylene-d12	95		70 - 130
Triphenylphosphate	111		70 - 130

Lab Sample ID: MRL 380-177502/21-A

Matrix: Water

Analysis Batch: 177810

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 177502

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	0.0976	0.107		ug/L		110	50 - 150
2,4'-DDD	0.0976	0.0852	J	ug/L		87	50 - 150
2,4'-DDE	0.0976	0.0939	J	ug/L		96	50 - 150
2,4'-DDT	0.0976	0.0975	J	ug/L		100	50 - 150
2,4-Dinitrotoluene	0.0976	0.113		ug/L		115	50 - 150
2,6-Dinitrotoluene	0.0976	0.134		ug/L		137	50 - 150
2-Methylnaphthalene	0.0976	0.103		ug/L		106	50 - 150
4,4'-DDD	0.0976	0.0981		ug/L		101	50 - 150
4,4'-DDE	0.0976	0.0824	J	ug/L		84	50 - 150

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-174167-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)/ Aiea
Wells Pumps 1&2 P2

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

Lab Sample ID: MRL 380-177502/21-A

Matrix: Water

Analysis Batch: 177810

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 177502

Analyte	Spike	MRL	MRL	Unit	D	%Rec	%Rec Limits
	Added	Result	Qualifier				
4,4'-DDT	0.0976	0.119		ug/L		122	50 - 150
Acenaphthene	0.0976	0.0964	J	ug/L		99	50 - 150
Acenaphthylene	0.0976	0.0865	J	ug/L		89	50 - 150
Acetochlor	0.0976	0.109		ug/L		111	50 - 150
Alachlor	0.0488	0.0534		ug/L		109	50 - 150
alpha-BHC	0.0976	0.0955	J	ug/L		98	50 - 150
alpha-Chlordane	0.0244	<0.028		ug/L		100	50 - 150
Anthracene	0.0195	0.0191	J	ug/L		98	50 - 150
Atrazine	0.0488	0.0518		ug/L		106	50 - 150
Benz(a)anthracene	0.0488	0.0558		ug/L		114	50 - 150
Benzo[a]pyrene	0.0195	0.0159	J	ug/L		81	50 - 150
Benzo[b]fluoranthene	0.0195	0.0186	J	ug/L		95	50 - 150
Benzo[g,h,i]perylene	0.0488	0.0352	J	ug/L		72	50 - 150
Benzo[k]fluoranthene	0.0195	0.0185	J	ug/L		95	50 - 150
beta-BHC	0.0976	0.109		ug/L		112	50 - 150
Bis(2-ethylhexyl) phthalate	0.585	0.583	J	ug/L		100	50 - 150
Bromacil	0.0976	0.137		ug/L		140	50 - 150
Butachlor	0.0488	0.0607		ug/L		124	50 - 150
Butylbenzylphthalate	0.488	0.559		ug/L		115	50 - 150
Chlorobenzilate	0.0976	0.131		ug/L		135	50 - 150
Chloroneb	0.0976	0.100		ug/L		103	50 - 150
Chlorothalonil (Draconil, Bravo)	0.0976	0.0850	J	ug/L		87	50 - 150
Chlorpyrifos	0.0488	0.0543		ug/L		111	50 - 150
Chrysene	0.0195	0.0202		ug/L		104	50 - 150
delta-BHC	0.0976	0.0970	J	ug/L		99	50 - 150
Di(2-ethylhexyl)adipate	0.585	0.671		ug/L		115	50 - 150
Dibenz(a,h)anthracene	0.0488	0.0359	J	ug/L		74	50 - 150
Diclorvos (DDVP)	0.0488	0.0638		ug/L		131	50 - 150
Dieldrin	0.00976	0.0108		ug/L		111	50 - 150
Diethylphthalate	0.488	0.518		ug/L		106	50 - 150
Dimethylphthalate	0.488	0.494		ug/L		101	50 - 150
Di-n-butyl phthalate	0.488	0.744	J	ug/L		152	49 - 243
Di-n-octyl phthalate	0.0976	0.108		ug/L		110	50 - 150
Endosulfan I (Alpha)	0.0976	0.0878	J	ug/L		90	50 - 150
Endosulfan II (Beta)	0.0976	0.0956	J	ug/L		98	50 - 150
Endosulfan sulfate	0.0976	0.0926	J	ug/L		95	50 - 150
Endrin	0.00976	0.0129		ug/L		132	50 - 150
Endrin aldehyde	0.0976	0.105		ug/L		107	50 - 150
EPTC	0.0976	0.0960	J	ug/L		98	50 - 150
Fluoranthene	0.0976	0.0978	J	ug/L		100	50 - 150
Fluorene	0.0488	<0.049		ug/L		100	50 - 150
gamma-Chlordane	0.0244	0.0236	J	ug/L		97	50 - 150
Heptachlor	0.00976	0.0130		ug/L		133	50 - 150
Heptachlor epoxide (isomer B)	0.00976	0.0103		ug/L		106	50 - 150
Hexachlorobenzene	0.0488	0.0433	J	ug/L		89	50 - 150
Hexachlorocyclopentadiene	0.0488	0.0474	J	ug/L		97	50 - 150
Indeno[1,2,3-cd]pyrene	0.0488	0.0370	J	ug/L		76	50 - 150
Isophorone	0.0976	0.114		ug/L		117	50 - 150

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-174167-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)/ Aiea
Wells Pumps 1&2 P2

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

Lab Sample ID: MRL 380-177502/21-A

Matrix: Water

Analysis Batch: 177810

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 177502

Analyte	Spike	MRL	MRL	Unit	D	%Rec	%Rec Limits
	Added	Result	Qualifier				
Lindane	0.00976	0.0104		ug/L		107	50 - 150
Malathion	0.0976	0.120		ug/L		123	50 - 150
Methoxychlor	0.0488	0.0642		ug/L		132	50 - 150
Metolachlor	0.0488	0.0565		ug/L		116	50 - 150
Molinate	0.0976	0.103		ug/L		105	50 - 150
Naphthalene	0.0976	0.108		ug/L		111	50 - 150
Parathion	0.0976	0.109		ug/L		112	50 - 150
Pendimethalin (Penoxaline)	0.0976	0.0977	J	ug/L		100	50 - 150
Phenanthrene	0.0390	0.0406		ug/L		104	50 - 150
Propachlor	0.0488	0.0558		ug/L		114	50 - 150
Pyrene	0.0488	0.0492		ug/L		101	50 - 150
Simazine	0.0488	0.0484	J	ug/L		99	50 - 150
Terbacil	0.0976	0.134		ug/L		138	50 - 150
Terbutylazine	0.0976	0.110		ug/L		113	50 - 150
Thiobencarb	0.0976	0.103		ug/L		105	50 - 150
trans-Nonachlor	0.0244	<0.025		ug/L		101	50 - 150
Trifluralin	0.0976	0.0976	J	ug/L		100	50 - 150

Surrogate	MRL	MRL	Limits
	%Recovery	Qualifier	
2-Nitro-m-xylene	102		70 - 130
Perylene-d12	89		70 - 130
Triphenylphosphate	108		70 - 130

Lab Sample ID: 380-173355-AS-1-A MS

Matrix: Water

Analysis Batch: 177810

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 177502

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier	Added	Result	Qualifier				
1-Methylnaphthalene	<0.097		1.94	1.86		ug/L		95	70 - 130
2,4'-DDD	<0.097		1.94	2.03		ug/L		104	70 - 130
2,4'-DDE	<0.097		1.94	2.02		ug/L		104	70 - 130
2,4'-DDT	<0.097		1.94	2.22		ug/L		114	70 - 130
2,4-Dinitrotoluene	<0.097	F1	1.94	2.60	F1	ug/L		134	70 - 130
2,6-Dinitrotoluene	<0.097		1.94	2.44		ug/L		126	70 - 130
2-Methylnaphthalene	<0.097		1.94	1.91		ug/L		98	70 - 130
4,4'-DDD	<0.097		1.94	2.07		ug/L		106	70 - 130
4,4'-DDE	<0.097		1.94	2.17		ug/L		112	70 - 130
4,4'-DDT	<0.097		1.94	2.11		ug/L		109	70 - 130
Acenaphthene	<0.097		1.94	1.90		ug/L		98	70 - 130
Acenaphthylene	<0.097		1.94	1.95		ug/L		100	70 - 130
Acetochlor	<0.097		1.94	2.23		ug/L		115	70 - 130
Alachlor	<0.048		1.94	2.20		ug/L		113	70 - 130
alpha-BHC	<0.097		1.94	2.08		ug/L		107	70 - 130
alpha-Chlordane	<0.048		1.94	1.99		ug/L		102	70 - 130
Anthracene	<0.019		1.94	1.35		ug/L		70	70 - 130
Atrazine	0.17		1.94	2.37		ug/L		113	70 - 130
Benz(a)anthracene	<0.048		1.94	1.82		ug/L		93	70 - 130

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QC Sample Results

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

Job ID: 380-174167-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)/ Aiea
Wells Pumps 1&2 P2

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

Lab Sample ID: 380-173355-AS-1-A MS

Client Sample ID: Matrix Spike

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 177810

Prep Batch: 177502

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier	Added	Result	Qualifier				
Benzo[a]pyrene	<0.019		1.94	1.74		ug/L		90	70 - 130
Benzo[b]fluoranthene	<0.019		1.94	2.02		ug/L		104	70 - 130
Benzo[g,h,i]perylene	<0.048		1.94	1.95		ug/L		101	70 - 130
Benzo[k]fluoranthene	<0.019		1.94	1.99		ug/L		103	70 - 130
beta-BHC	<0.097		1.94	2.09		ug/L		108	70 - 130
Bis(2-ethylhexyl) phthalate	<0.58		1.94	1.94		ug/L		100	70 - 130
Bromacil	<0.097		1.94	2.41		ug/L		124	70 - 130
Butachlor	<0.048		1.94	2.19		ug/L		113	70 - 130
Butylbenzylphthalate	<0.48		1.94	2.22		ug/L		114	70 - 130
Chlorobenzilate	<0.097		1.94	2.43		ug/L		125	70 - 130
Chloroneb	<0.097		1.94	1.92		ug/L		99	70 - 130
Chlorothalonil (Draconil, Bravo)	<0.097		1.94	2.12		ug/L		109	70 - 130
Chlorpyrifos	<0.048		1.94	2.32		ug/L		119	70 - 130
Chrysene	<0.019		1.94	1.85		ug/L		95	70 - 130
delta-BHC	<0.097		1.94	2.00		ug/L		103	70 - 130
Di(2-ethylhexyl)adipate	<0.58		1.94	2.14		ug/L		110	70 - 130
Dibenz(a,h)anthracene	<0.048		1.94	1.90		ug/L		98	70 - 130
Diclorvos (DDVP)	<0.048		1.94	2.31		ug/L		119	70 - 130
Dieldrin	<0.0097		1.94	1.84		ug/L		95	70 - 130
Diethylphthalate	<0.48		1.94	2.24		ug/L		115	70 - 130
Dimethylphthalate	<0.48		1.94	2.16		ug/L		111	70 - 130
Di-n-butyl phthalate	<0.97		3.89	4.58		ug/L		111	70 - 130
Di-n-octyl phthalate	<0.097		1.94	1.97		ug/L		102	70 - 130
Endosulfan I (Alpha)	<0.097		1.94	1.86		ug/L		96	70 - 130
Endosulfan II (Beta)	<0.097		1.94	1.97		ug/L		101	70 - 130
Endosulfan sulfate	<0.097		1.94	2.03		ug/L		104	70 - 130
Endrin	<0.0097		1.94	2.26		ug/L		116	70 - 130
Endrin aldehyde	<0.097		1.94	1.66		ug/L		85	60 - 130
EPTC	<0.097		1.94	2.09		ug/L		108	70 - 130
Fluoranthene	<0.097		1.94	2.09		ug/L		108	70 - 130
Fluorene	<0.048		1.94	2.04		ug/L		105	70 - 130
gamma-Chlordane	<0.048		1.94	2.00		ug/L		103	70 - 130
Heptachlor	<0.0097	^+	1.94	2.33		ug/L		120	70 - 130
Heptachlor epoxide (isomer B)	<0.0097		1.94	2.21		ug/L		114	70 - 130
Hexachlorobenzene	<0.048		1.94	2.09		ug/L		107	70 - 130
Hexachlorocyclopentadiene	<0.048		1.94	2.23		ug/L		114	70 - 130
Indeno[1,2,3-cd]pyrene	<0.048		1.94	2.08		ug/L		107	70 - 130
Isophorone	<0.097		1.94	2.09		ug/L		108	70 - 130
Lindane	<0.0097		1.94	2.06		ug/L		106	70 - 130
Malathion	<0.097		1.94	2.18		ug/L		112	70 - 130
Methoxychlor	<0.048		1.94	2.31		ug/L		119	70 - 130
Metolachlor	<0.048		1.94	2.21		ug/L		111	70 - 130
Molinate	<0.097		1.94	2.17		ug/L		112	70 - 130
Naphthalene	<0.097		1.94	1.90		ug/L		98	70 - 130
Parathion	<0.097	F1 ^+ **	1.94	2.63	F1	ug/L		135	70 - 130
Pendimethalin (Penoxaline)	<0.097		1.94	2.32		ug/L		119	70 - 130
Phenanthrene	<0.039		1.94	1.75		ug/L		90	70 - 130
Propachlor	<0.048		1.94	2.39		ug/L		123	70 - 130

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-174167-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)/ Aiea
Wells Pumps 1&2 P2

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

Lab Sample ID: 380-173355-AS-1-A MS

Client Sample ID: Matrix Spike

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 177810

Prep Batch: 177502

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier	Added	Result	Qualifier					Limits
Pyrene	<0.048		1.94	2.05		ug/L		106	70 - 130
Simazine	<0.048		1.94	2.17		ug/L		112	70 - 130
Terbacil	<0.097	F1 ^+ **	1.94	2.58	F1	ug/L		133	70 - 130
Terbutylazine	<0.097		1.94	2.17		ug/L		112	70 - 130
Thiobencarb	<0.097		1.94	2.21		ug/L		114	70 - 130
trans-Nonachlor	<0.048		1.94	1.85		ug/L		95	70 - 130
Trifluralin	<0.097		1.94	2.26		ug/L		116	70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
2-Nitro-m-xylene	103		70 - 130
Perylene-d12	95		70 - 130
Triphenylphosphate	110		70 - 130

Lab Sample ID: 380-173586-AS-1-A DU

Client Sample ID: Duplicate

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 177810

Prep Batch: 177502

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
1-Methylnaphthalene	<0.096		<0.097		ug/L		NC	20
2,4'-DDD	<0.096		<0.097		ug/L		NC	20
2,4'-DDE	<0.096		<0.097		ug/L		NC	20
2,4'-DDT	<0.096		<0.097		ug/L		NC	20
2,4-Dinitrotoluene	<0.096		<0.097		ug/L		NC	20
2,6-Dinitrotoluene	<0.096		<0.097		ug/L		NC	20
2-Methylnaphthalene	<0.096		<0.097		ug/L		NC	20
4,4'-DDD	<0.096		<0.097		ug/L		NC	20
4,4'-DDE	<0.096		<0.097		ug/L		NC	20
4,4'-DDT	<0.096		<0.097		ug/L		NC	20
Acenaphthene	<0.096		<0.097		ug/L		NC	20
Acenaphthylene	<0.096		<0.097		ug/L		NC	20
Acetochlor	<0.096		<0.097		ug/L		NC	20
Alachlor	<0.048		<0.048		ug/L		NC	20
alpha-BHC	<0.096		<0.097		ug/L		NC	20
alpha-Chlordane	<0.048		<0.048		ug/L		NC	20
Anthracene	<0.019		<0.019		ug/L		NC	20
Atrazine	<0.048		<0.048		ug/L		NC	20
Benz(a)anthracene	<0.048		<0.048		ug/L		NC	20
Benzo[a]pyrene	<0.019		<0.019		ug/L		NC	20
Benzo[b]fluoranthene	<0.019		<0.019		ug/L		NC	20
Benzo[g,h,i]perylene	<0.048		<0.048		ug/L		NC	20
Benzo[k]fluoranthene	<0.019		<0.019		ug/L		NC	20
beta-BHC	<0.096		<0.097		ug/L		NC	20
Bis(2-ethylhexyl) phthalate	<0.58		<0.58		ug/L		NC	20
Bromacil	<0.096		<0.097		ug/L		NC	20
Butachlor	<0.048		<0.048		ug/L		NC	20
Butylbenzylphthalate	<0.48		<0.48		ug/L		NC	20
Chlorobenzilate	<0.096		<0.097		ug/L		NC	20

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-174167-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)/ Aiea
Wells Pumps 1&2 P2

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

Lab Sample ID: 380-173586-AS-1-A DU

Matrix: Water

Analysis Batch: 177810

Client Sample ID: Duplicate

Prep Type: Total/NA

Prep Batch: 177502

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Chloroneb	<0.096		<0.097		ug/L		NC	20
Chlorothalonil (Draconil, Bravo)	<0.096		<0.097		ug/L		NC	20
Chlorpyrifos	<0.048		<0.048		ug/L		NC	20
Chrysene	<0.019		<0.019		ug/L		NC	20
delta-BHC	<0.096		<0.097		ug/L		NC	20
Di(2-ethylhexyl)adipate	<0.58		<0.58		ug/L		NC	20
Dibenz(a,h)anthracene	<0.048		<0.048		ug/L		NC	20
Diclorvos (DDVP)	<0.048		<0.048		ug/L		NC	20
Dieldrin	<0.0096		<0.0097		ug/L		NC	20
Diethylphthalate	<0.48		<0.48		ug/L		NC	20
Dimethylphthalate	<0.48		<0.48		ug/L		NC	20
Di-n-butyl phthalate	<0.96		<0.97		ug/L		NC	20
Di-n-octyl phthalate	<0.096		<0.097		ug/L		NC	20
Endosulfan I (Alpha)	<0.096		<0.097		ug/L		NC	20
Endosulfan II (Beta)	<0.096		<0.097		ug/L		NC	20
Endosulfan sulfate	<0.096		<0.097		ug/L		NC	20
Endrin	<0.0096		<0.0097		ug/L		NC	20
Endrin aldehyde	<0.096		<0.097		ug/L		NC	20
EPTC	<0.096		<0.097		ug/L		NC	20
Fluoranthene	<0.096		<0.097		ug/L		NC	20
Fluorene	<0.048		<0.048		ug/L		NC	20
gamma-Chlordane	<0.048		<0.048		ug/L		NC	20
Heptachlor	<0.0096	^+	<0.0097		ug/L		NC	20
Heptachlor epoxide (isomer B)	<0.0096		<0.0097		ug/L		NC	20
Hexachlorobenzene	<0.048		<0.048		ug/L		NC	20
Hexachlorocyclopentadiene	<0.048		<0.048		ug/L		NC	20
Indeno[1,2,3-cd]pyrene	<0.048		<0.048		ug/L		NC	20
Isophorone	<0.096		<0.097		ug/L		NC	20
Lindane	<0.0096		<0.0097		ug/L		NC	20
Malathion	<0.096		<0.097		ug/L		NC	20
Methoxychlor	<0.048		<0.048		ug/L		NC	20
Metolachlor	<0.048		<0.048		ug/L		NC	20
Molinate	<0.096		<0.097		ug/L		NC	20
Naphthalene	<0.096		<0.097		ug/L		NC	20
Parathion	<0.096	^+ *+	<0.097	*+	ug/L		NC	20
Pendimethalin (Penoxaline)	<0.096		<0.097		ug/L		NC	20
Phenanthrene	<0.038		<0.039		ug/L		NC	20
Propachlor	<0.048		<0.048		ug/L		NC	20
Pyrene	<0.048		<0.048		ug/L		NC	20
Simazine	<0.048		<0.048		ug/L		NC	20
Terbacil	<0.096	^+ *+	<0.097	*+	ug/L		NC	20
Terbutylazine	<0.096		<0.097		ug/L		NC	20
Thiobencarb	<0.096		<0.097		ug/L		NC	20
Total Permethrin (mixed isomers)	<0.19		<0.19		ug/L		NC	20
trans-Nonachlor	<0.048		<0.048		ug/L		NC	20
Trifluralin	<0.096		<0.097		ug/L		NC	20

QC Sample Results

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

Job ID: 380-174167-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)/ Aiea
Wells Pumps 1&2 P2

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

Lab Sample ID: 380-173586-AS-1-A DU
Matrix: Water
Analysis Batch: 177810

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 177502

Surrogate	%Recovery	DU DU Qualifier	Limits
2-Nitro-m-xylene	102		70 - 130
Perylene-d12	90		70 - 130
Triphenylphosphate	108		70 - 130

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

Lab Sample ID: MB 570-634277/1-A
Matrix: Water
Analysis Batch: 637854

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 634277

Tentatively Identified Compound	Est. Result	MB MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A	10/02/25 05:00	10/09/25 10:11	1

Surrogate	%Recovery	MB MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	93		33 - 139	10/02/25 05:00	10/09/25 10:11	1
2-Fluorobiphenyl (Surr)	89		33 - 126	10/02/25 05:00	10/09/25 10:11	1
2-Fluorophenol (Surr)	52		12 - 120	10/02/25 05:00	10/09/25 10:11	1
Nitrobenzene-d5 (Surr)	115		36 - 120	10/02/25 05:00	10/09/25 10:11	1
Phenol-d6 (Surr)	35		10 - 120	10/02/25 05:00	10/09/25 10:11	1
p-Terphenyl-d14 (Surr)	93		47 - 131	10/02/25 05:00	10/09/25 10:11	1

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

Lab Sample ID: MB 570-634277/1-A
Matrix: Water
Analysis Batch: 636543

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 634277

Analyte	Result	MB MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.20		0.20	ug/L		10/02/25 05:00	10/07/25 06:48	1
2-Methylnaphthalene	<0.20		0.20	ug/L		10/02/25 05:00	10/07/25 06:48	1
Acenaphthene	<0.20		0.20	ug/L		10/02/25 05:00	10/07/25 06:48	1
Acenaphthylene	<0.20		0.20	ug/L		10/02/25 05:00	10/07/25 06:48	1
Anthracene	<0.20		0.20	ug/L		10/02/25 05:00	10/07/25 06:48	1
Benzo[a]anthracene	<0.20		0.20	ug/L		10/02/25 05:00	10/07/25 06:48	1
Benzo[a]pyrene	<0.20		0.20	ug/L		10/02/25 05:00	10/07/25 06:48	1
Benzo[b]fluoranthene	<0.20		0.20	ug/L		10/02/25 05:00	10/07/25 06:48	1
Benzo[g,h,i]perylene	<0.20		0.20	ug/L		10/02/25 05:00	10/07/25 06:48	1
Benzo[k]fluoranthene	<0.20		0.20	ug/L		10/02/25 05:00	10/07/25 06:48	1
Chrysene	<0.20		0.20	ug/L		10/02/25 05:00	10/07/25 06:48	1
Dibenz(a,h)anthracene	<0.20		0.20	ug/L		10/02/25 05:00	10/07/25 06:48	1
Fluoranthene	<0.20		0.20	ug/L		10/02/25 05:00	10/07/25 06:48	1
Fluorene	<0.20		0.20	ug/L		10/02/25 05:00	10/07/25 06:48	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20	ug/L		10/02/25 05:00	10/07/25 06:48	1
Naphthalene	<0.20		0.20	ug/L		10/02/25 05:00	10/07/25 06:48	1
Phenanthrene	<0.20		0.20	ug/L		10/02/25 05:00	10/07/25 06:48	1
Pyrene	<0.20		0.20	ug/L		10/02/25 05:00	10/07/25 06:48	1

QC Sample Results

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

Job ID: 380-174167-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)/ Aiea
Wells Pumps 1&2 P2

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

Lab Sample ID: MB 570-634277/1-A

Matrix: Water

Analysis Batch: 636543

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 634277

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2,4,6-Tribromophenol (Surr)	82		28 - 127	10/02/25 05:00	10/07/25 06:48	1
2-Fluorobiphenyl (Surr)	74		31 - 120	10/02/25 05:00	10/07/25 06:48	1
2-Fluorophenol (Surr)	46		17 - 120	10/02/25 05:00	10/07/25 06:48	1
Nitrobenzene-d5 (Surr)	84		27 - 120	10/02/25 05 00	10/07/25 06 48	1
Phenol-d6 (Surr)	29		10 - 120	10/02/25 05:00	10/07/25 06:48	1
p-Terphenyl-d14 (Surr)	75		45 - 120	10/02/25 05:00	10/07/25 06:48	1

Lab Sample ID: LCS 570-634277/2-A

Matrix: Water

Analysis Batch: 636543

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 634277

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Methylnaphthalene	20.0	14.6		ug/L		73	43 - 120
Acenaphthene	20.0	17.2		ug/L		86	60 - 132
Acenaphthylene	20.0	17.3		ug/L		86	54 - 126
Anthracene	20.0	16.8		ug/L		84	43 - 120
Benzo[a]anthracene	20.0	16.9		ug/L		84	42 - 133
Benzo[a]pyrene	20.0	17.0		ug/L		85	32 - 148
Benzo[b]fluoranthene	20.0	17.4		ug/L		87	42 - 140
Benzo[g,h,i]perylene	20.0	16.8		ug/L		84	1 - 195
Benzo[k]fluoranthene	20.0	16.9		ug/L		85	25 - 146
Chrysene	20.0	17.3		ug/L		86	44 - 140
Dibenz(a,h)anthracene	20.0	17.9		ug/L		89	1 - 200
Fluoranthene	20.0	18.4		ug/L		92	43 - 121
Fluorene	20.0	17.8		ug/L		89	70 - 120
Indeno[1,2,3-cd]pyrene	20.0	17.4		ug/L		87	1 - 151
Naphthalene	20.0	14.2		ug/L		71	36 - 120
Phenanthrene	20.0	17.4		ug/L		87	65 - 120
Pyrene	20.0	17.5		ug/L		88	70 - 120

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol (Surr)	89		28 - 127
2-Fluorobiphenyl (Surr)	86		31 - 120
2-Fluorophenol (Surr)	60		17 - 120
Nitrobenzene-d5 (Surr)	79		27 - 120
Phenol-d6 (Surr)	40		10 - 120
p-Terphenyl-d14 (Surr)	86		45 - 120

Lab Sample ID: LCSD 570-634277/3-A

Matrix: Water

Analysis Batch: 636543

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 634277

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
1-Methylnaphthalene	20.0	14.9		ug/L		74	47 - 120	0	20
2-Methylnaphthalene	20.0	14.6		ug/L		73	43 - 120	0	20
Acenaphthene	20.0	16.9		ug/L		85	60 - 132	2	29

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QC Sample Results

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

Job ID: 380-174167-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)/ Aiea
Wells Pumps 1&2 P2

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

Lab Sample ID: LCSD 570-634277/3-A

Matrix: Water

Analysis Batch: 636543

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 634277

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Acenaphthylene	20.0	17.2		ug/L		86	54 - 126	0	45	
Anthracene	20.0	16.6		ug/L		83	43 - 120	1	40	
Benzo[a]anthracene	20.0	17.3		ug/L		87	42 - 133	3	32	
Benzo[a]pyrene	20.0	17.6		ug/L		88	32 - 148	3	43	
Benzo[b]fluoranthene	20.0	17.5		ug/L		87	42 - 140	0	43	
Benzo[g,h,i]perylene	20.0	17.1		ug/L		85	1 - 195	1	61	
Benzo[k]fluoranthene	20.0	17.6		ug/L		88	25 - 146	4	38	
Chrysene	20.0	17.3		ug/L		87	44 - 140	0	53	
Dibenz(a,h)anthracene	20.0	18.1		ug/L		91	1 - 200	1	75	
Fluoranthene	20.0	18.2		ug/L		91	43 - 121	1	40	
Fluorene	20.0	17.8		ug/L		89	70 - 120	0	23	
Indeno[1,2,3-cd]pyrene	20.0	17.5		ug/L		87	1 - 151	0	60	
Naphthalene	20.0	14.0		ug/L		70	36 - 120	2	39	
Phenanthrene	20.0	17.1		ug/L		86	65 - 120	2	24	
Pyrene	20.0	17.8		ug/L		89	70 - 120	2	30	

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol (Surr)	86		28 - 127
2-Fluorobiphenyl (Surr)	83		31 - 120
2-Fluorophenol (Surr)	58		17 - 120
Nitrobenzene-d5 (Surr)	76		27 - 120
Phenol-d6 (Surr)	39		10 - 120
p-Terphenyl-d14 (Surr)	85		45 - 120

Lab Sample ID: 380-174167-1 MS

Matrix: Drinking Water

Analysis Batch: 637345

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

Prep Type: Total/NA

Prep Batch: 634277

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec	
				Result	Qualifier				Limits	RPD
1-Methylnaphthalene	<0.19		19.5	12.7		ug/L		65	36 - 120	
2-Methylnaphthalene	<0.19		19.5	12.5		ug/L		64	32 - 124	
Acenaphthene	<0.19		19.5	14.5		ug/L		74	47 - 145	
Acenaphthylene	<0.19		19.5	14.7		ug/L		75	33 - 145	
Anthracene	<0.19		19.5	14.1		ug/L		72	27 - 133	
Benzo[a]anthracene	<0.19		19.5	13.9		ug/L		71	33 - 143	
Benzo[a]pyrene	<0.19		19.5	13.7		ug/L		70	17 - 163	
Benzo[b]fluoranthene	<0.19		19.5	14.0		ug/L		72	24 - 159	
Benzo[g,h,i]perylene	<0.19		19.5	13.6		ug/L		70	1 - 219	
Benzo[k]fluoranthene	<0.19		19.5	13.6		ug/L		70	11 - 162	
Chrysene	<0.19		19.5	14.1		ug/L		72	17 - 168	
Dibenz(a,h)anthracene	<0.19		19.5	14.0		ug/L		72	1 - 227	
Fluoranthene	<0.19		19.5	15.0		ug/L		77	26 - 137	
Fluorene	<0.19		19.5	14.7		ug/L		75	59 - 121	
Indeno[1,2,3-cd]pyrene	<0.19		19.5	13.7		ug/L		70	1 - 171	
Naphthalene	<0.19		19.5	12.6		ug/L		65	21 - 133	
Phenanthrene	<0.19		19.5	14.2		ug/L		73	54 - 120	
Pyrene	<0.19		19.5	14.5		ug/L		74	52 - 120	

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QC Sample Results

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

Job ID: 380-174167-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)/ Aiea
Wells Pumps 1&2 P2

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

Lab Sample ID: 380-174167-1 MS

Matrix: Drinking Water

Analysis Batch: 637345

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

Prep Type: Total/NA

Prep Batch: 634277

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol (Surr)	70		28 - 127
2-Fluorobiphenyl (Surr)	73		31 - 120
2-Fluorophenol (Surr)	48		17 - 120
Nitrobenzene d5 (Surr)	67		27 - 120
Phenol-d6 (Surr)	31		10 - 120
p-Terphenyl-d14 (Surr)	70		45 - 120

Lab Sample ID: 380-174167-1 MSD

Matrix: Drinking Water

Analysis Batch: 637345

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

Prep Type: Total/NA

Prep Batch: 634277

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD MSD		Unit	D	%Rec	%Rec		RPD	Limit
				Result	Qualifier				Limits	RPD		
1-Methylnaphthalene	<0.19		19.3	14.0		ug/L		72	36 - 120	10	30	
2-Methylnaphthalene	<0.19		19.3	13.8		ug/L		72	32 - 124	10	30	
Acenaphthene	<0.19		19.3	16.3		ug/L		84	47 - 145	12	48	
Acenaphthylene	<0.19		19.3	16.3		ug/L		84	33 - 145	10	74	
Anthracene	<0.19		19.3	15.6		ug/L		81	27 - 133	10	66	
Benzo[a]anthracene	<0.19		19.3	15.8		ug/L		82	33 - 143	13	53	
Benzo[a]pyrene	<0.19		19.3	15.5		ug/L		80	17 - 163	12	72	
Benzo[b]fluoranthene	<0.19		19.3	15.8		ug/L		82	24 - 159	12	71	
Benzo[g,h,i]perylene	<0.19		19.3	15.3		ug/L		79	1 - 219	12	97	
Benzo[k]fluoranthene	<0.19		19.3	15.4		ug/L		80	11 - 162	12	63	
Chrysene	<0.19		19.3	16.1		ug/L		83	17 - 168	13	87	
Dibenz(a,h)anthracene	<0.19		19.3	16.2		ug/L		84	1 - 227	15	126	
Fluoranthene	<0.19		19.3	16.9		ug/L		87	26 - 137	12	66	
Fluorene	<0.19		19.3	16.4		ug/L		85	59 - 121	11	38	
Indeno[1,2,3-cd]pyrene	<0.19		19.3	15.7		ug/L		81	1 - 171	14	99	
Naphthalene	<0.19		19.3	13.4		ug/L		69	21 - 133	6	65	
Phenanthrene	<0.19		19.3	16.3		ug/L		84	54 - 120	13	39	
Pyrene	<0.19		19.3	16.9		ug/L		88	52 - 120	16	49	

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol (Surr)	81		28 - 127
2-Fluorobiphenyl (Surr)	84		31 - 120
2-Fluorophenol (Surr)	53		17 - 120
Nitrobenzene-d5 (Surr)	73		27 - 120
Phenol-d6 (Surr)	35		10 - 120
p-Terphenyl-d14 (Surr)	83		45 - 120

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

Lab Sample ID: MB 570-639227/6

Matrix: Water

Analysis Batch: 639227

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
GRO (C6-C10)	<10		10	ug/L			10/12/25 12:20	1

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QC Sample Results

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

Job ID: 380-174167-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)/ Aiea
Wells Pumps 1&2 P2

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

Lab Sample ID: MB 570-639227/6

Matrix: Water

Analysis Batch: 639227

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	94		38 - 134		10/12/25 12:20	1

Lab Sample ID: LCS 570-639227/4

Matrix: Water

Analysis Batch: 639227

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	91		38 - 134

Lab Sample ID: LCSD 570-639227/5

Matrix: Water

Analysis Batch: 639227

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

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	95		38 - 134

Lab Sample ID: MRL 570-639227/3

Matrix: Water

Analysis Batch: 639227

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits

Surrogate	MRL MRL		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	90		38 - 134

Lab Sample ID: 380-174167-1 MS

Matrix: Drinking Water

Analysis Batch: 639227

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

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

QC Sample Results

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

Job ID: 380-174167-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)/ Aiea
Wells Pumps 1&2 P2

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

Lab Sample ID: 380-174167-1 MSD
Matrix: Drinking Water
Analysis Batch: 639227

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	393		ug/L		98	68 - 122	6	18
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	96		38 - 134								

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

Lab Sample ID: MB 570-634521/1-A
Matrix: Water
Analysis Batch: 639272

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 634521

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<25		25	ug/L		10/02/25 09:52	10/12/25 15:57	1
Motor Oil Range Organics [C24-C36]	<25		25	ug/L		10/02/25 09:52	10/12/25 15:57	1
C8-C18	<25		25	ug/L		10/02/25 09:52	10/12/25 15:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	114		60 - 130			10/02/25 09:52	10/12/25 15:57	1

Lab Sample ID: LCS 570-634521/2-A
Matrix: Water
Analysis Batch: 639272

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 634521

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
C10-C28	1600	1780		ug/L		111	56 - 127
Surrogate	%Recovery	Qualifier	Limits				
n-Octacosane (Surr)	110		60 - 130				

Lab Sample ID: LCSD 570-634521/3-A
Matrix: Water
Analysis Batch: 639272

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 634521

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28	1600	1710		ug/L		107	56 - 127	4	23
Surrogate	%Recovery	Qualifier	Limits						
n-Octacosane (Surr)	107		60 - 130						

Lab Sample ID: MRL 570-634521/4-A
Matrix: Water
Analysis Batch: 639272

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 634521

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
C10-C28	0.0200	0.0264		mg/L		132	50 - 150

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-174167-1
 SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)/ Aiea
 Wells Pumps 1&2 P2

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

Lab Sample ID: MRL 570-634521/4-A
Matrix: Water
Analysis Batch: 639272

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 634521

	MRL	MRL	
Surrogate	%Recovery	Qualifier	Limits
<i>n-Octacosane (Surr)</i>	110		60 - 130

Lab Sample ID: 380-174167-1 MS
Matrix: Drinking Water
Analysis Batch: 639272

Client Sample ID: HALAWA WELLS UNITS 1 & 2 (331-206-TP065)
Prep Type: Total/NA
Prep Batch: 634521

Analyte	Sample Result	Sample Qualifier	Spike Added	MS		Unit	D	%Rec	%Rec Limits
				Result	Qualifier				
C10-C28	<26		1630	1710		ug/L		105	70 - 130

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

Lab Sample ID: 380-174167-1 MSD
Matrix: Drinking Water
Analysis Batch: 639272

Client Sample ID: HALAWA WELLS UNITS 1 & 2 (331-206-TP065)
Prep Type: Total/NA
Prep Batch: 634521

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec Limits	RPD	
				Result	Qualifier					RPD	Limit
C10-C28	<26		1640	1770		ug/L		108	70 - 130	4	20

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

QC Association Summary

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

Job ID: 380-174167-1
 SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)/ Aiea
 Wells Pumps 1&2 P2

GC/MS Semi VOA

Prep Batch: 177502

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-174167-1	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)	Total/NA	Drinking Water	525.2	
380-174167-3	AIEA WELLS PUMPS 1&2 (260) P2 (331-203-TP400)	Total/NA	Water	525.2	
MB 380-177502/20-A	Method Blank	Total/NA	Water	525.2	
LCS 380-177502/22-A	Lab Control Sample	Total/NA	Water	525.2	
MRL 380-177502/21-A	Lab Control Sample	Total/NA	Water	525.2	
380-173355-AS-1-A MS	Matrix Spike	Total/NA	Water	525.2	
380-173586-AS-1-A DU	Duplicate	Total/NA	Water	525.2	

Analysis Batch: 177810

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-174167-1	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)	Total/NA	Drinking Water	525.2	177502
380-174167-3	AIEA WELLS PUMPS 1&2 (260) P2 (331-203-TP400)	Total/NA	Water	525.2	177502
MB 380-177502/20-A	Method Blank	Total/NA	Water	525.2	177502
LCS 380-177502/22-A	Lab Control Sample	Total/NA	Water	525.2	177502
MRL 380-177502/21-A	Lab Control Sample	Total/NA	Water	525.2	177502
380-173355-AS-1-A MS	Matrix Spike	Total/NA	Water	525.2	177502
380-173586-AS-1-A DU	Duplicate	Total/NA	Water	525.2	177502

Prep Batch: 634277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-174167-1	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)	Total/NA	Drinking Water	625.1	
380-174167-3	AIEA WELLS PUMPS 1&2 (260) P2 (331-203-TP400)	Total/NA	Water	625.1	
MB 570-634277/1-A	Method Blank	Total/NA	Water	625.1	
LCS 570-634277/2-A	Lab Control Sample	Total/NA	Water	625.1	
LCSD 570-634277/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	
380-174167-1 MS	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	Total/NA	Drinking Water	625.1	
380-174167-1 MSD	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	Total/NA	Drinking Water	625.1	

Analysis Batch: 636543

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-634277/1-A	Method Blank	Total/NA	Water	625.1 SIM	634277
LCS 570-634277/2-A	Lab Control Sample	Total/NA	Water	625.1 SIM	634277
LCSD 570-634277/3-A	Lab Control Sample Dup	Total/NA	Water	625.1 SIM	634277

Analysis Batch: 637345

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-174167-1	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)	Total/NA	Drinking Water	625.1 SIM	634277
380-174167-3	AIEA WELLS PUMPS 1&2 (260) P2 (331-203-TP400)	Total/NA	Water	625.1 SIM	634277
380-174167-1 MS	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	Total/NA	Drinking Water	625.1 SIM	634277
380-174167-1 MSD	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	Total/NA	Drinking Water	625.1 SIM	634277

Analysis Batch: 637854

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-174167-1	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)	Total/NA	Drinking Water	625.1	634277
380-174167-3	AIEA WELLS PUMPS 1&2 (260) P2 (331-203-TP400)	Total/NA	Water	625.1	634277
MB 570-634277/1-A	Method Blank	Total/NA	Water	625.1	634277

QC Association Summary

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

Job ID: 380-174167-1
 SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)/ Aiea
 Wells Pumps 1&2 P2

GC VOA

Analysis Batch: 639227

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-174167-1	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)	Total/NA	Drinking Water	8015B GRO LL	
380-174167-2	TB: HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	Total/NA	Drinking Water	8015B GRO LL	
380-174167-3	AIEA WELLS PUMPS 1&2 (260) P2 (331-203-TP400)	Total/NA	Water	8015B GRO LL	
380-174167-4	TB: AIEA WELLS PUMPS 1&2 (260) (331-203-TP400)	Total/NA	Water	8015B GRO LL	
MB 570-639227/6	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-639227/4	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-639227/5	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-639227/3	Lab Control Sample	Total/NA	Water	8015B GRO LL	
380-174167-1 MS	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	Total/NA	Drinking Water	8015B GRO LL	
380-174167-1 MSD	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	Total/NA	Drinking Water	8015B GRO LL	

GC Semi VOA

Prep Batch: 634521

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-174167-1	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)	Total/NA	Drinking Water	3510C	
380-174167-3	AIEA WELLS PUMPS 1&2 (260) P2 (331-203-TP400)	Total/NA	Water	3510C	
MB 570-634521/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-634521/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-634521/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MRL 570-634521/4-A	Lab Control Sample	Total/NA	Water	3510C	
380-174167-1 MS	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	Total/NA	Drinking Water	3510C	
380-174167-1 MSD	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	Total/NA	Drinking Water	3510C	

Analysis Batch: 639272

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-174167-1	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)	Total/NA	Drinking Water	8015B	634521
380-174167-3	AIEA WELLS PUMPS 1&2 (260) P2 (331-203-TP400)	Total/NA	Water	8015B	634521
MB 570-634521/1-A	Method Blank	Total/NA	Water	8015B	634521
LCS 570-634521/2-A	Lab Control Sample	Total/NA	Water	8015B	634521
LCSD 570-634521/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	634521
MRL 570-634521/4-A	Lab Control Sample	Total/NA	Water	8015B	634521
380-174167-1 MS	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	Total/NA	Drinking Water	8015B	634521
380-174167-1 MSD	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	Total/NA	Drinking Water	8015B	634521

Lab Chronicle

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

Job ID: 380-174167-1
 SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)/ Aiea
 Wells Pumps 1&2 P2

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

Lab Sample ID: 380-174167-1

Date Collected: 09/29/25 10:09
 Date Received: 10/01/25 10:00

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			177502	KRD3	EA POM	10/02/25 09:05
Total/NA	Analysis	525.2		1	177810	UPAC	EA POM	10/03/25 15:36
Total/NA	Prep	625.1			634277	S4EA	EET CAL 4	10/02/25 05:00
Total/NA	Analysis	625.1		1	637854	J7WE	EET CAL 4	10/09/25 15:47
Total/NA	Prep	625.1			634277	S4EA	EET CAL 4	10/02/25 05:00
Total/NA	Analysis	625.1 SIM		1	637345	PQS1	EET CAL 4	10/08/25 19:57
Total/NA	Analysis	8015B GRO LL		1	639227	YD9V	EET CAL 4	10/12/25 13:46
Total/NA	Prep	3510C			634521	TVD6	EET CAL 4	10/02/25 09:53
Total/NA	Analysis	8015B		1	639272	H6FE	EET CAL 4	10/12/25 18:06

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

Lab Sample ID: 380-174167-2

Date Collected: 09/29/25 10:09
 Date Received: 10/01/25 10:00

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015B GRO LL		1	639227	YD9V	EET CAL 4	10/12/25 13:06

**Client Sample ID: AIEA WELLS PUMPS 1&2 (260) P2
 (331-203-TP400)**

Lab Sample ID: 380-174167-3

Date Collected: 09/29/25 11:18
 Date Received: 10/01/25 10:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			177502	KRD3	EA POM	10/02/25 09:05
Total/NA	Analysis	525.2		1	177810	UPAC	EA POM	10/03/25 15:56
Total/NA	Prep	625.1			634277	S4EA	EET CAL 4	10/02/25 05:00
Total/NA	Analysis	625.1		1	637854	J7WE	EET CAL 4	10/09/25 16:09
Total/NA	Prep	625.1			634277	S4EA	EET CAL 4	10/02/25 05:00
Total/NA	Analysis	625.1 SIM		1	637345	PQS1	EET CAL 4	10/08/25 21:03
Total/NA	Analysis	8015B GRO LL		1	639227	YD9V	EET CAL 4	10/12/25 14:06
Total/NA	Prep	3510C			634521	TVD6	EET CAL 4	10/02/25 09:53
Total/NA	Analysis	8015B		1	639272	H6FE	EET CAL 4	10/12/25 18:27

**Client Sample ID: TB: AIEA WELLS PUMPS 1&2 (260)
 (331-203-TP400)**

Lab Sample ID: 380-174167-4

Date Collected: 09/29/25 11:18
 Date Received: 10/01/25 10:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015B GRO LL		1	639227	YD9V	EET CAL 4	10/12/25 13:26

Lab Chronicle

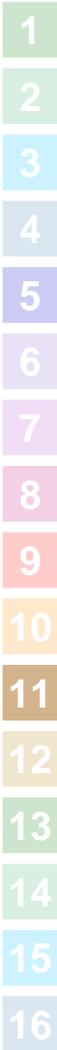
Client: City & County of Honolulu
Project/Site: RED-HILL

Job ID: 380-174167-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)/ Aiea
Wells Pumps 1&2 P2

Laboratory References:

EA POM = Eurofins Eaton Analytical 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: 380-174167-1
 SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)/ Aiea
 Wells Pumps 1&2 P2

Laboratory: Eurofins Eaton Analytical 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
525.2	525.2	Water	1-Methylnaphthalene
525.2	525.2	Water	2,4'-DDD
525.2	525.2	Water	2,4'-DDE
525.2	525.2	Water	2,4'-DDT
525.2	525.2	Water	2,4-Dinitrotoluene
525.2	525.2	Water	2,6-Dinitrotoluene
525.2	525.2	Water	2-Methylnaphthalene
525.2	525.2	Water	4,4'-DDD
525.2	525.2	Water	4,4'-DDE
525.2	525.2	Water	4,4'-DDT

Accreditation/Certification Summary

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

Job ID: 380-174167-1
 SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)/ Aiea
 Wells Pumps 1&2 P2

Laboratory: Eurofins Eaton Analytical Pomona (Continued)

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

Authority	Program	Identification Number	Expiration Date
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	Water	Acetochlor
525.2	525.2	Water	alpha-BHC
525.2	525.2	Water	alpha-Chlordane
525.2	525.2	Water	beta-BHC
525.2	525.2	Water	Chlorobenzilate
525.2	525.2	Water	Chloroneb
525.2	525.2	Water	Chlorothalonil (Draconil, Bravo)
525.2	525.2	Water	Chlorpyrifos
525.2	525.2	Water	delta-BHC
525.2	525.2	Water	Diclorvos (DDVP)
525.2	525.2	Water	Endosulfan I (Alpha)
525.2	525.2	Water	Endosulfan II (Beta)
525.2	525.2	Water	Endosulfan sulfate
525.2	525.2	Water	Endrin aldehyde
525.2	525.2	Water	EPTC
525.2	525.2	Water	gamma-Chlordane
525.2	525.2	Water	Isophorone
525.2	525.2	Water	Malathion
525.2	525.2	Water	Parathion
525.2	525.2	Water	Pendimethalin (Penoxaline)
525.2	525.2	Water	Terbacil
525.2	525.2	Water	Terbutylazine
525.2	525.2	Water	Total Permethrin (mixed isomers)
525.2	525.2	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	11-16-25
California	Los Angeles County Sanitation Districts	9257304	07-31-26
California	SCAQMD LAP	17LA0919	11-30-25
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

Method Summary

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

Job ID: 380-174167-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)/ Aiea
Wells Pumps 1&2 P2

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 Eaton Analytical 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: 380-174167-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)/ Aiea
Wells Pumps 1&2 P2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	PWSID Number
380-174167-1	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)	Drinking Water	09/29/25 10:09	10/01/25 10:00	HI0000331
380-174167-2	TB: HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	Drinking Water	09/29/25 10:09	10/01/25 10:00	
380-174167-3	AIEA WELLS PUMPS 1&2 (260) P2 (331-203-TP400)	Water	09/29/25 11:18	10/01/25 10:00	HI0000331
380-174167-4	TB: AIEA WELLS PUMPS 1&2 (260) (331-203-TP400)	Water	09/29/25 11:18	10/01/25 10:00	

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Chain of Custody Record

Client Information		Lab PM: Lopez, Maria		Carrier Tracking No(s): 380-28005-2757 1	
Client Contact: Kirk Iwamoto		E-Mail: Maria.Lopez@et.eurofins.com		Page: 1 of 1	
Company: City & County of Honolulu		PWSID:		Job #:	
Address: 630 South Beretania Street Chemistry Lab Honolulu HI, 96843		Due Date Requested:		State of Origin:	
Phone: 808-748-5840 (Tel)		TAT Requested (days):		Preservation Codes: R - NaThioSO4 RA - NaThioHCl O - Na2SO3 OA - Na2SO3/HCl Y - Trizma I - NH4 Acetate	
Email: kiwamoto@hbws.org		Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Other:	
Project #: 38001111		PO #: C20525101 exp 05312023		Total Number of Containers:	
Event Desc: RUSH Weekly Red Hill		WO #:		Special Instructions/Note: ① 5.1-0.2=9.7 ② 4.9-0.2=4.7 ③ 5.4-0.2=5.2 1 8948 0990 2131 2 8948 0990 2110 3 8948 0990 2120 4 8948 0990 2153 5 8948 0990 2142 6 8948 0990 2164	
Site: Hawaii		Matrix (Water, Smoal, O-metabol, etc)(Tank, A,AL)		380-174167 COC	
Sample Identification		Sample Date		RA	
Halawa Wells Units 1 & 2 P1		29-Sep-2025		4 5 4 2	
Halawa Wells Units 1 & 2 (Matrix Spike)		1009 G		X X X X	
Halawa Wells Units 1 & 2 (Matrix Spike Duplicate)		1009		X X X X	
TB: Halawa Wells Units 1 & 2		29-Sep-2025		2	
Aiea Wells Pumps 1&2 (260) P2		1118 G		2 3 2 2	
Aiea Wells Pumps 1&2 (260) (Matrix Spike)		1118			
Aiea Wells Pumps 1&2 (Matrix Spike Duplicate)		1118			
TB: Aiea Wells Pumps 1&2 (260)		29-Sep-2025		2	
Possible Hazard Identification		Sample Time		QA	
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		29-Sep-2025		Y	
Deliverable Requested: I, II, III, IV, Other (specify)		Field Filtered Sample (Yes or No)		637.1_OV_PREC - 637.1 Full List	
Empty Kit Relinquished by:		Perform MS/MSD (Yes or No)		625.1, 625.1, SIM	
Date:		Field Filtered Sample (Yes or No)		633 - All Analytes	
Date: 30-Sep-2025		X		6015B_DRO_LL_CS - HNL Ranges: C10-C24/C24-C38/C8-C18	
Company: HBWS		X		6015B_GRO_LL (MOD) GRO	
Date/Time: 10/1/25 1000		X		6015B_DRO_LL_CS - HNL Ranges: C10-C24/C24-C38/C8-C18	
Company:		X		625.1, 625.1, SIM	
Date/Time:		X		633 - All Analytes	
Company:		X		637.1_OV_PREC - 637.1 Full List	
Date/Time:		X		6015B_DRO_LL_CS - HNL Ranges: C10-C24/C24-C38/C8-C18	
Company:		X		6015B_GRO_LL (MOD) GRO	
Date/Time:		X		625.1, 625.1, SIM	
Company:		X		633 - All Analytes	
Date/Time:		X		637.1_OV_PREC - 637.1 Full List	
Company:		X		6015B_DRO_LL_CS - HNL Ranges: C10-C24/C24-C38/C8-C18	
Date/Time:		X		6015B_GRO_LL (MOD) GRO	
Company:		X		625.1, 625.1, SIM	
Date/Time:		X		633 - All Analytes	
Company:		X		637.1_OV_PREC - 637.1 Full List	
Date/Time:		X		6015B_DRO_LL_CS - HNL Ranges: C10-C24/C24-C38/C8-C18	
Company:		X		6015B_GRO_LL (MOD) GRO	
Date/Time:		X		625.1, 625.1, SIM	
Company:		X		633 - All Analytes	
Date/Time:		X		637.1_OV_PREC - 637.1 Full List	
Company:		X		6015B_DRO_LL_CS - HNL Ranges: C10-C24/C24-C38/C8-C18	
Date/Time:		X		6015B_GRO_LL (MOD) GRO	
Company:		X		625.1, 625.1, SIM	
Date/Time:		X		633 - All Analytes	
Company:		X		637.1_OV_PREC - 637.1 Full List	
Date/Time:		X		6015B_DRO_LL_CS - HNL Ranges: C10-C24/C24-C38/C8-C18	
Company:		X		6015B_GRO_LL (MOD) GRO	
Date/Time:		X		625.1, 625.1, SIM	
Company:		X		633 - All Analytes	
Date/Time:		X		637.1_OV_PREC - 637.1 Full List	
Company:		X		6015B_DRO_LL_CS - HNL Ranges: C10-C24/C24-C38/C8-C18	
Date/Time:		X		6015B_GRO_LL (MOD) GRO	
Company:		X		625.1, 625.1, SIM	
Date/Time:		X		633 - All Analytes	
Company:		X		637.1_OV_PREC - 637.1 Full List	
Date/Time:		X		6015B_DRO_LL_CS - HNL Ranges: C10-C24/C24-C38/C8-C18	
Company:		X		6015B_GRO_LL (MOD) GRO	
Date/Time:		X		625.1, 625.1, SIM	
Company:		X		633 - All Analytes	
Date/Time:		X		637.1_OV_PREC - 637.1 Full List	
Company:		X		6015B_DRO_LL_CS - HNL Ranges: C10-C24/C24-C38/C8-C18	
Date/Time:		X		6015B_GRO_LL (MOD) GRO	
Company:		X		625.1, 625.1, SIM	
Date/Time:		X		633 - All Analytes	
Company:		X		637.1_OV_PREC - 637.1 Full List	
Date/Time:		X		6015B_DRO_LL_CS - HNL Ranges: C10-C24/C24-C38/C8-C18	
Company:		X		6015B_GRO_LL (MOD) GRO	
Date/Time:		X		625.1, 625.1, SIM	
Company:		X		633 - All Analytes	
Date/Time:		X		637.1_OV_PREC - 637.1 Full List	
Company:		X		6015B_DRO_LL_CS - HNL Ranges: C10-C24/C24-C38/C8-C18	
Date/Time:		X		6015B_GRO_LL (MOD) GRO	
Company:		X		625.1, 625.1, SIM	
Date/Time:		X		633 - All Analytes	
Company:		X		637.1_OV_PREC - 637.1 Full List	
Date/Time:		X		6015B_DRO_LL_CS - HNL Ranges: C10-C24/C24-C38/C8-C18	
Company:		X		6015B_GRO_LL (MOD) GRO	
Date/Time:		X		625.1, 625.1, SIM	
Company:		X		633 - All Analytes	
Date/Time:		X		637.1_OV_PREC - 637.1 Full List	
Company:		X		6015B_DRO_LL_CS - HNL Ranges: C10-C24/C24-C38/C8-C18	
Date/Time:		X		6015B_GRO_LL (MOD) GRO	
Company:		X		625.1, 625.1, SIM	
Date/Time:		X		633 - All Analytes	
Company:		X		637.1_OV_PREC - 637.1 Full List	
Date/Time:		X		6015B_DRO_LL_CS - HNL Ranges: C10-C24/C24-C38/C8-C18	
Company:		X		6015B_GRO_LL (MOD) GRO	
Date/Time:		X		625.1, 625.1, SIM	
Company:		X		633 - All Analytes	
Date/Time:		X		637.1_OV_PREC - 637.1 Full List	
Company:		X		6015B_DRO_LL_CS - HNL Ranges: C10-C24/C24-C38/C8-C18	
Date/Time:		X		6015B_GRO_LL (MOD) GRO	
Company:		X		625.1, 625.1, SIM	
Date/Time:		X		633 - All Analytes	
Company:		X		637.1_OV_PREC - 637.1 Full List	
Date/Time:		X		6015B_DRO_LL_CS - HNL Ranges: C10-C24/C24-C38/C8-C18	
Company:		X		6015B_GRO_LL (MOD) GRO	
Date/Time:		X		625.1, 625.1, SIM	
Company:		X		633 - All Analytes	
Date/Time:		X		637.1_OV_PREC - 637.1 Full List	
Company:		X		6015B_DRO_LL_CS - HNL Ranges: C10-C24/C24-C38/C8-C18	
Date/Time:		X		6015B_GRO_LL (MOD) GRO	
Company:		X		625.1, 625.1, SIM	
Date/Time:		X		633 - All Analytes	
Company:		X		637.1_OV_PREC - 637.1 Full List	
Date/Time:		X		6015B_DRO_LL_CS - HNL Ranges: C10-C24/C24-C38/C8-C18	
Company:		X		6015B_GRO_LL (MOD) GRO	
Date/Time:		X		625.1, 625.1, SIM	
Company:		X		633 - All Analytes	
Date/Time:		X		637.1_OV_PREC - 637.1 Full List	
Company:		X		6015B_DRO_LL_CS - HNL Ranges: C10-C24/C24-C38/C8-C18	
Date/Time:		X		6015B_GRO_LL (MOD) GRO	
Company:		X		625.1, 625.1, SIM	
Date/Time:		X		633 - All Analytes	
Company:		X		637.1_OV_PREC - 637.1 Full List	
Date/Time:		X		6015B_DRO_LL_CS - HNL Ranges: C10-C24/C24-C38/C8-C18	
Company:		X		6015B_GRO_LL (MOD) GRO	
Date/Time:		X		625.1, 625.1, SIM	
Company:		X		633 - All Analytes	
Date/Time:		X		637.1_OV_PREC - 637.1 Full List	
Company:		X		6015B_DRO_LL_CS - HNL Ranges: C10-C24/C24-C38/C8-C18	
Date/Time:		X		6015B_GRO_LL (MOD) GRO	
Company:		X		625.1, 625.1, SIM	
Date/Time:		X		633 - All Analytes	
Company:		X		637.1_OV_PREC - 637.1 Full List	
Date/Time:		X		6015B_DRO_LL_CS - HNL Ranges: C10-C24/C24-C38/C8-C18	
Company:		X		6015B_GRO_LL (MOD) GRO	
Date/Time:		X		625.1, 625.1, SIM	
Company:		X		633 - All Analytes	
Date/Time:		X		637.1_OV_PREC - 637.1 Full List	
Company:		X		6015B_DRO_LL_CS - HNL Ranges: C10-C24/C24-C38/C8-C18	
Date/Time:		X		6015B_GRO_LL (MOD) GRO	
Company:		X		625.1, 625.1, SIM	
Date/Time:		X		633 - All Analytes	
Company:		X		637.1_OV_PREC - 637.1 Full List	
Date/Time:		X		6015B_DRO_LL_CS - HNL Ranges: C10-C24/C24-C38/C8-C18	
Company:		X		6015B_GRO_LL (MOD) GRO	
Date/Time:		X		625.1, 625.1, SIM	
Company:		X		633 - All Analytes	
Date/Time:		X		637.1_OV_PREC - 637.1 Full List	
Company:		X		6015B_DRO_LL_CS - HNL Ranges: C10-C24/C24-C38/C8-C18	
Date/Time:		X		6015B_GRO_LL (MOD) GRO	
Company:		X		625.1, 625.1, SIM	
Date/Time:		X		633 - All Analytes	
Company:		X		637.1_OV_PREC - 637.1 Full List	
Date/Time:		X		6015B_DRO_LL_CS - HNL Ranges: C10-C24/C24-C38/C8-C18	
Company:		X		6015B_GRO_LL (MOD) GRO	
Date/Time:		X		625.1, 625.1, SIM	
Company:		X		633 - All Analytes	
Date/Time:		X		637.1_OV_PREC - 637.1 Full List	
Company:		X		6015B_DRO_LL_CS - HNL Ranges: C10-C24/C24-C38/C8-C18	
Date/Time:		X		6015B_GRO_LL (MOD) GRO	
Company:		X		625.1, 625.1, SIM	
Date/Time:		X		633 - All Analytes	
Company:		X		637.1_OV_PREC - 637.1 Full List	
Date/Time:		X		6015B_DRO_LL_CS - HNL Ranges: C10-C24/C24-C38/C8-C18	
Company:		X		6015B_GRO_LL (MOD) GRO	
Date/Time:		X		625.1, 625.1, SIM	
Company:		X		633 - All Analytes	
Date/Time:		X		637.1_OV_PREC - 637.1 Full List	
Company:		X		6015B_DRO_LL_CS - HNL Ranges: C10-C24/C24-C38/C8-C18	
Date/Time:		X		6015B_GRO_LL (MOD) GRO	
Company:		X		625.1, 625.1, SIM	
Date/Time:		X		633 - All Analytes	
Company:		X		637.1_OV_PREC - 637.1 Full List	
Date/Time:		X		6015B_DRO_LL_CS - HNL Ranges: C10-C24/C24-C38/C8-C18	
Company:		X		6015B_GRO_LL (MOD) GRO	
Date/Time:		X		625.1, 625.1, SIM	
Company:		X		633 - All Analytes	
Date/Time:		X		637.1_OV_PREC - 637.1 Full List	
Company:		X		6015B_DRO_LL_CS - HNL Ranges: C10-C24/C24-C38/C8-C18	
Date/Time:		X		6015B_GRO_LL (MOD) GRO	
Company:		X		625.1, 625.1, SIM	
Date/Time:		X		633 - All Analytes	
Company:		X		637.1_OV_PREC - 637.1 Full List	
Date/Time:		X		6015B_DRO_LL_CS - HNL Ranges: C10-C24/C24-C38/C8-C18	
Company:		X		6015B_GRO_LL (MOD) GRO	
Date/Time:		X		625.1, 625.1, SIM	
Company:		X		633 - All Analytes	
Date/Time:		X		637.1_OV_PREC - 637.1 Full List	
Company:		X		6015B_DRO_LL_CS - HNL Ranges: C10-C24/C24-C38/C8-C18	
Date/Time:		X		6015B_GRO_LL (MOD) GRO	
Company:		X		625.1, 625.1, SIM	
Date/Time:		X		633 - All Analytes	
Company:		X		637.1_OV_PREC - 637.1 Full List	
Date/Time:		X		6015B_DRO_LL_CS - HNL Ranges: C10-C24/C24-C38/C8-C18	
Company:		X		6015B_GRO_LL (MOD) GRO	
Date/Time:		X		625.1, 625.1, SIM	
Company:		X		633 - All Analytes	
Date/Time:		X		637.1_OV_PREC - 637.1 Full List	
Company:		X		6015B_DRO_LL_CS - HNL Ranges: C10-C24/C24-C38/C8-C18	
Date/Time:		X		6015B_GRO_LL (MOD) GRO	
Company:		X		625.1, 625.1, SIM	
Date/Time:		X		633 - All Analytes	
Company:		X		637.1_OV_PREC - 637.1 Full List	
Date/Time:		X		6015B_DRO_LL_CS - HNL Ranges: C10-C24/C24-C38/C8-C18	
Company:		X		6015B_GRO_LL (MOD) GRO	
Date/Time:		X		625.1, 625.1, SIM	
Company:		X		633 - All Analytes	
Date/Time:		X		637.1_OV_PREC - 637.1 Full List	
Company:		X		6015B_DRO_LL_CS - HNL Ranges: C10-C24/C24-C38/C8-C18	
Date/Time:		X		6015B_GRO_LL (MOD) GRO	
Company:		X		625.1, 625.1, SIM	
Date/Time:		X		633 - All Analytes	
Company:		X		637.1_OV_PREC - 637.1 Full List	
Date/Time:		X		6015B_DRO_LL_CS - HNL Ranges: C10-C24/C24-C38/C8-C18	
Company:		X		6015B_GRO_LL (MOD) GRO	
Date/Time:		X		625.1, 625.1, SIM	
Company:		X		633 - All Analytes	
Date/Time:		X		637.1_OV_PREC - 637.1 Full List	
Company:		X		6015B_DRO_LL_CS - HNL Ranges: C10-C24/C24-C38/C8-C18	
Date/Time:		X		6015B_GRO_LL (MOD) GRO	
Company:		X		625.1, 625.1, SIM	
Date/Time:		X		633 - All Analytes	
Company:		X		637.1_OV_PREC - 637.1 Full List	
Date/Time:		X</			

Eurofins Eaton Analytical Pomona

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

Chain of Custody Record



eurofins

Loc: 380
174167

Client Information (Sub Contract Lab)		Sampler: N/A	Lab PM: Lopez, Maria	Carrier Tracking No(s): N/A	COC No: 380-259788.1					
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			Accreditations Required (See note): State - Hawaii		Job #: 380-174167-1					
Address: 2841 Dow Avenue, Suite 100, City: Tustin State, Zip: CA, 92780		Due Date Requested: 10/14/2025	Analysis Requested							
Phone: 714-895-5494(Tel)		TAT Requested (days): N/A								
Email: N/A		PO #: N/A	 380-174167 Chain of Custody							
Project Name: RED-HILL		WC #: N/A								
Site: Honolulu BWS Sites		Project #: 38001111	Total Number of containers: Other: N/A							
		SSOW#: N/A								
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=sed, O=soil, BT=leach, AA=air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	80155_DRO_LL_CS13510C_LLHNL Ranges: C10-C24/C24-C36/C9-C18	625-1_SIM1625_Prep(MOD) Extended PAH List	80155_GRC_LL101010C(MOD) GRC	Special Instructions/Note:
Preservation Code:										
HALAWA WELLS UNITS 1 & 2 (331-206-TP065) (380-174167-1)	9/29/25	10:09 Hawaiian	G	Water		X	X	X		7 MRLs are needed. Confirm any hits >RL.
HALAWA WELLS UNITS 1 & 2 (331-206-TP065) (380-174167-1M)	9/29/25	10:09 Hawaiian	G	Water		X	X	X		3 MRLs are needed. Confirm any hits >RL.
HALAWA WELLS UNITS 1 & 2 (331-206-TP065) (380-174167-1M)	9/29/25	10:09 Hawaiian	G	Water		X	X	X		3 MRLs are needed. Confirm any hits >RL.
TB: HALAWA WELLS UNITS 1 & 2 (331-206-TP065) (380-174167-1)	9/29/25	10:09 Hawaiian	G	Water				X		2 MRLs are needed.
AIEA WELLS PUMPS 1&2 (260) (331-203-TP400) (380-174167-3)	9/29/25	11:18 Hawaiian	G	Water		X	X	X		7 MRLs are needed. Confirm any hits >RL.
TB: AIEA WELLS PUMPS 1&2 (260) (331-203-TP400) (380-174167-3)	9/29/25	11:18 Hawaiian	G	Water				X		2 MRLs are needed.
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/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.										
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		Special Instructions/QC Requirements:					
Empty Kit Relinquished by:		Date:	Time:		Method of Shipment:					
Relinquished by:		Date/Time: 10/11/25 1548	Company: ESCAP		Received by:		Date/Time: 10-1-25 1548		Company: C/T	
Relinquished by:		Date/Time: 10-1-25 1710	Company: WJP		Received by:		Date/Time: 10-1-25 1710		Company: BC	
Relinquished by:		Date/Time:	Company:		Received by:		Date/Time:		Company:	
Custody Seals Intact: Δ Yes Δ No		Custody Seal No.:			Cooler Temperature(s) °C and Other Remarks: 1.4/1.4 sec8					

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-174167-1

SDG Number: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)/ Aiea Wells Pumps 1&2 P2

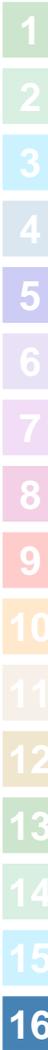
Login Number: 174167

List Source: Eurofins Eaton Analytical Pomona

List Number: 1

Creator: Segura, Ryan

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).	True	
Samples do not require splitting or compositing.	True	
Container provided by EEA	True	



Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-174167-1

SDG Number: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)/ Aiea Wells Pumps 1&2 P2

Login Number: 174167

List Number: 2

Creator: Khana, Piyush

List Source: Eurofins Calscience

List Creation: 10/01/25 07:02 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.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	