

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

380-171895-1

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



Authorized for release by
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Definitions/Glossary

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

Job ID: 380-171895-1
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, low 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.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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: 380-171895-1

Job ID: 380-171895-1

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Job Narrative 380-171895-1

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

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

Receipt

The samples were received on 9/17/2025 9:33 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.2°C and 4.1°C.

GC/MS Semi VOA

Method 625.1_SIM: The laboratory control sample (LCS) for preparation batch 570-627171 and analytical batch 570-630004 recovered outside control limits for the following analytes: Fluorene and Pyrene.

Method 525.2_PREC: The matrix spike (MS) recovery for preparation batch 380-175529 and analytical batch 380-175685 was below control limits for Anthracene. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Gasoline Range Organics

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

Diesel Range Organics

Method 8015B_DRO_LL_CS: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-628965. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

Method: 3510C_LL_CS

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: 380-171895-1
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)**
PWSID Number: HI0000331

Lab Sample ID: 380-171895-1

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin	0.040		0.0097	ug/L	1		525.2	Total/NA
Heptachlor epoxide (isomer B)	0.014		0.0097	ug/L	1		525.2	Total/NA

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

Lab Sample ID: 380-171895-2

No Detections.

**Client Sample ID: AIEA WELLS PUMPS 1&2 P2 (260)
(331-203-TP400)**
PWSID Number: HI0000331

Lab Sample ID: 380-171895-3

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin	0.012		0.0098	ug/L	1		525.2	Total/NA

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

Lab Sample ID: 380-171895-4

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: 380-171895-1
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: 380-171895-1

Date Collected: 09/15/25 10:33

Matrix: Drinking Water

Date Received: 09/17/25 09:33

PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:51	1
2,4'-DDD	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:51	1
2,4'-DDE	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:51	1
2,4' DDT	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:51	1
2,4-Dinitrotoluene	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:51	1
2,6-Dinitrotoluene	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:51	1
2-Methylnaphthalene	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:51	1
4,4'-DDD	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:51	1
4,4'-DDE	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:51	1
4,4'-DDT	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:51	1
Acenaphthene	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:51	1
Acenaphthylene	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:51	1
Acetochlor	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:51	1
Alachlor	<0.049		0.049	ug/L		09/22/25 11:12	09/23/25 12:51	1
alpha-BHC	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:51	1
alpha-Chlordane	<0.049		0.049	ug/L		09/22/25 11:12	09/23/25 12:51	1
Anthracene	<0.019	F1	0.019	ug/L		09/22/25 11:12	09/23/25 12:51	1
Atrazine	<0.049		0.049	ug/L		09/22/25 11:12	09/23/25 12:51	1
Benz(a)anthracene	<0.049		0.049	ug/L		09/22/25 11:12	09/23/25 12:51	1
Benzo[a]pyrene	<0.019		0.019	ug/L		09/22/25 11:12	09/23/25 12:51	1
Benzo[b]fluoranthene	<0.019		0.019	ug/L		09/22/25 11:12	09/23/25 12:51	1
Benzo[g,h,i]perylene	<0.049		0.049	ug/L		09/22/25 11:12	09/23/25 12:51	1
Benzo[k]fluoranthene	<0.019		0.019	ug/L		09/22/25 11:12	09/23/25 12:51	1
beta-BHC	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:51	1
Bis(2-ethylhexyl) phthalate	<0.58		0.58	ug/L		09/22/25 11:12	09/23/25 12:51	1
Bromacil	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:51	1
Butachlor	<0.049		0.049	ug/L		09/22/25 11:12	09/23/25 12:51	1
Butylbenzylphthalate	<0.49		0.49	ug/L		09/22/25 11:12	09/23/25 12:51	1
Chlorobenzilate	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:51	1
Chloroneb	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:51	1
Chlorothalonil (Draconil, Bravo)	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:51	1
Chlorpyrifos	<0.049		0.049	ug/L		09/22/25 11:12	09/23/25 12:51	1
Chrysene	<0.019		0.019	ug/L		09/22/25 11:12	09/23/25 12:51	1
delta-BHC	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:51	1
Di(2-ethylhexyl)adipate	<0.58		0.58	ug/L		09/22/25 11:12	09/23/25 12:51	1
Dibenz(a,h)anthracene	<0.049		0.049	ug/L		09/22/25 11:12	09/23/25 12:51	1
Diclorvos (DDVP)	<0.049		0.049	ug/L		09/22/25 11:12	09/23/25 12:51	1
Dieldrin	0.040		0.0097	ug/L		09/22/25 11:12	09/23/25 12:51	1
Diethylphthalate	<0.49		0.49	ug/L		09/22/25 11:12	09/23/25 12:51	1
Dimethylphthalate	<0.49		0.49	ug/L		09/22/25 11:12	09/23/25 12:51	1
Di-n-butyl phthalate	<0.97		0.97	ug/L		09/22/25 11:12	09/23/25 12:51	1
Di-n-octyl phthalate	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:51	1
Endosulfan I (Alpha)	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:51	1
Endosulfan II (Beta)	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:51	1
Endosulfan sulfate	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:51	1
Endrin	<0.0097		0.0097	ug/L		09/22/25 11:12	09/23/25 12:51	1
Endrin aldehyde	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:51	1

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Client Sample Results

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

Job ID: 380-171895-1
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: 380-171895-1

Date Collected: 09/15/25 10:33

Matrix: Drinking Water

Date Received: 09/17/25 09:33

PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
EPTC	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:51	1
Fluoranthene	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:51	1
Fluorene	<0.049		0.049	ug/L		09/22/25 11:12	09/23/25 12:51	1
gamma-Chlordane	0.049		0.049	ug/L		09/22/25 11:12	09/23/25 12:51	1
Heptachlor	<0.0097		0.0097	ug/L		09/22/25 11:12	09/23/25 12:51	1
Heptachlor epoxide (isomer B)	0.014		0.0097	ug/L		09/22/25 11:12	09/23/25 12:51	1
Hexachlorobenzene	<0.049		0.049	ug/L		09/22/25 11:12	09/23/25 12:51	1
Hexachlorocyclopentadiene	<0.049		0.049	ug/L		09/22/25 11:12	09/23/25 12:51	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049	ug/L		09/22/25 11:12	09/23/25 12:51	1
Isophorone	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:51	1
Lindane	<0.0097		0.0097	ug/L		09/22/25 11:12	09/23/25 12:51	1
Malathion	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:51	1
Methoxychlor	<0.049		0.049	ug/L		09/22/25 11:12	09/23/25 12:51	1
Metolachlor	<0.049		0.049	ug/L		09/22/25 11:12	09/23/25 12:51	1
Molinate	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:51	1
Naphthalene	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:51	1
Parathion	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:51	1
Pendimethalin (Penoxaline)	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:51	1
Phenanthrene	<0.039		0.039	ug/L		09/22/25 11:12	09/23/25 12:51	1
Propachlor	<0.049		0.049	ug/L		09/22/25 11:12	09/23/25 12:51	1
Pyrene	<0.049		0.049	ug/L		09/22/25 11:12	09/23/25 12:51	1
Simazine	<0.049		0.049	ug/L		09/22/25 11:12	09/23/25 12:51	1
Terbacil	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:51	1
Terbutylazine	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:51	1
Thiobencarb	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:51	1
Total Permethrin (mixed isomers)	<0.19		0.19	ug/L		09/22/25 11:12	09/23/25 12:51	1
trans-Nonachlor	<0.049		0.049	ug/L		09/22/25 11:12	09/23/25 12:51	1
Trifluralin	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:51	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A	09/22/25 11:12	09/23/25 12:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	98		70 - 130	09/22/25 11:12	09/23/25 12:51	1
Perylene-d12	92		70 - 130	09/22/25 11:12	09/23/25 12:51	1
Triphenylphosphate	107		70 - 130	09/22/25 11:12	09/23/25 12:51	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.19		0.19	ug/L		09/18/25 04:51	09/24/25 00:50	1
2-Methylnaphthalene	<0.19		0.19	ug/L		09/18/25 04:51	09/24/25 00:50	1
Acenaphthene	<0.19		0.19	ug/L		09/18/25 04:51	09/24/25 00:50	1
Acenaphthylene	<0.19		0.19	ug/L		09/18/25 04:51	09/24/25 00:50	1
Anthracene	<0.19		0.19	ug/L		09/18/25 04:51	09/24/25 00:50	1
Benzo[a]anthracene	<0.19		0.19	ug/L		09/18/25 04:51	09/24/25 00:50	1
Benzo[a]pyrene	<0.19		0.19	ug/L		09/18/25 04:51	09/24/25 00:50	1
Benzo[b]fluoranthene	<0.19		0.19	ug/L		09/18/25 04:51	09/24/25 00:50	1
Benzo[g,h,i]perylene	<0.19		0.19	ug/L		09/18/25 04:51	09/24/25 00:50	1

Eurofins Eaton Analytical Pomona

Client Sample Results

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

Job ID: 380-171895-1
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: 380-171895-1

Date Collected: 09/15/25 10:33

Matrix: Drinking Water

Date Received: 09/17/25 09:33

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		09/18/25 04:51	09/24/25 00:50	1
Chrysene	<0.19		0.19	ug/L		09/18/25 04:51	09/24/25 00:50	1
Dibenz(a,h)anthracene	<0.19		0.19	ug/L		09/18/25 04:51	09/24/25 00:50	1
Fluoranthene	<0.19		0.19	ug/L		09/18/25 04:51	09/24/25 00:50	1
Fluorene	<0.19	*	0.19	ug/L		09/18/25 04:51	09/24/25 00:50	1
Indeno[1,2,3-cd]pyrene	<0.19		0.19	ug/L		09/18/25 04:51	09/24/25 00:50	1
Naphthalene	<0.19		0.19	ug/L		09/18/25 04:51	09/24/25 00:50	1
Phenanthrene	<0.19		0.19	ug/L		09/18/25 04:51	09/24/25 00:50	1
Pyrene	<0.19	*	0.19	ug/L		09/18/25 04:51	09/24/25 00:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	88		28 - 127	09/18/25 04:51	09/24/25 00:50	1
2-Fluorobiphenyl (Surr)	82		31 - 120	09/18/25 04:51	09/24/25 00:50	1
2-Fluorophenol (Surr)	57		17 - 120	09/18/25 04:51	09/24/25 00:50	1
Nitrobenzene-d5 (Surr)	85		27 - 120	09/18/25 04:51	09/24/25 00:50	1
Phenol-d6 (Surr)	37		10 - 120	09/18/25 04:51	09/24/25 00:50	1
p-Terphenyl-d14 (Surr)	84		45 - 120	09/18/25 04:51	09/24/25 00:50	1

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

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A	09/18/25 04:51	10/04/25 11:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	76		33 - 139	09/18/25 04:51	10/04/25 11:23	1
2-Fluorobiphenyl (Surr)	88		33 - 126	09/18/25 04:51	10/04/25 11:23	1
2-Fluorophenol (Surr)	56		12 - 120	09/18/25 04:51	10/04/25 11:23	1
Nitrobenzene-d5 (Surr)	108		36 - 120	09/18/25 04:51	10/04/25 11:23	1
Phenol-d6 (Surr)	39		10 - 120	09/18/25 04:51	10/04/25 11:23	1
p-Terphenyl-d14 (Surr)	88		47 - 131	09/18/25 04:51	10/04/25 11:23	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			09/22/25 11:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		38 - 134		09/22/25 11:55	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		09/20/25 10:16	09/29/25 05:12	1
Motor Oil Range Organics [C24-C36]	<26		26	ug/L		09/20/25 10:16	09/29/25 05:12	1
C8-C18	<26		26	ug/L		09/20/25 10:16	09/29/25 05:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	87		60 - 130	09/20/25 10:16	09/29/25 05:12	1

Client Sample Results

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

Job ID: 380-171895-1
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: 380-171895-2

Date Collected: 09/15/25 10:33

Matrix: Drinking Water

Date Received: 09/17/25 09:33

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			09/22/25 17:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		38 - 134				09/22/25 17:17	1

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

Lab Sample ID: 380-171895-3

Date Collected: 09/15/25 11:43

Matrix: Water

Date Received: 09/17/25 09:33

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		09/22/25 11:12	09/23/25 13:32	1
2,4'-DDD	<0.098		0.098	ug/L		09/22/25 11:12	09/23/25 13:32	1
2,4'-DDE	<0.098		0.098	ug/L		09/22/25 11:12	09/23/25 13:32	1
2,4'-DDT	<0.098		0.098	ug/L		09/22/25 11:12	09/23/25 13:32	1
2,4-Dinitrotoluene	<0.098		0.098	ug/L		09/22/25 11:12	09/23/25 13:32	1
2,6-Dinitrotoluene	<0.098		0.098	ug/L		09/22/25 11:12	09/23/25 13:32	1
2-Methylnaphthalene	<0.098		0.098	ug/L		09/22/25 11:12	09/23/25 13:32	1
4,4'-DDD	<0.098		0.098	ug/L		09/22/25 11:12	09/23/25 13:32	1
4,4'-DDE	<0.098		0.098	ug/L		09/22/25 11:12	09/23/25 13:32	1
4,4'-DDT	<0.098		0.098	ug/L		09/22/25 11:12	09/23/25 13:32	1
Acenaphthene	<0.098		0.098	ug/L		09/22/25 11:12	09/23/25 13:32	1
Acenaphthylene	<0.098		0.098	ug/L		09/22/25 11:12	09/23/25 13:32	1
Acetochlor	<0.098		0.098	ug/L		09/22/25 11:12	09/23/25 13:32	1
Alachlor	<0.049		0.049	ug/L		09/22/25 11:12	09/23/25 13:32	1
alpha-BHC	<0.098		0.098	ug/L		09/22/25 11:12	09/23/25 13:32	1
alpha-Chlordane	<0.049		0.049	ug/L		09/22/25 11:12	09/23/25 13:32	1
Anthracene	<0.020		0.020	ug/L		09/22/25 11:12	09/23/25 13:32	1
Atrazine	<0.049		0.049	ug/L		09/22/25 11:12	09/23/25 13:32	1
Benz(a)anthracene	<0.049		0.049	ug/L		09/22/25 11:12	09/23/25 13:32	1
Benzo[a]pyrene	<0.020		0.020	ug/L		09/22/25 11:12	09/23/25 13:32	1
Benzo[b]fluoranthene	<0.020		0.020	ug/L		09/22/25 11:12	09/23/25 13:32	1
Benzo[g,h,i]perylene	<0.049		0.049	ug/L		09/22/25 11:12	09/23/25 13:32	1
Benzo[k]fluoranthene	<0.020		0.020	ug/L		09/22/25 11:12	09/23/25 13:32	1
beta-BHC	<0.098		0.098	ug/L		09/22/25 11:12	09/23/25 13:32	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59	ug/L		09/22/25 11:12	09/23/25 13:32	1
Bromacil	<0.098		0.098	ug/L		09/22/25 11:12	09/23/25 13:32	1
Butachlor	<0.049		0.049	ug/L		09/22/25 11:12	09/23/25 13:32	1
Butylbenzylphthalate	<0.49		0.49	ug/L		09/22/25 11:12	09/23/25 13:32	1
Chlorobenzilate	<0.098		0.098	ug/L		09/22/25 11:12	09/23/25 13:32	1
Chloroneb	<0.098		0.098	ug/L		09/22/25 11:12	09/23/25 13:32	1
Chlorothalonil (Draconil, Bravo)	<0.098		0.098	ug/L		09/22/25 11:12	09/23/25 13:32	1
Chlorpyrifos	<0.049		0.049	ug/L		09/22/25 11:12	09/23/25 13:32	1
Chrysene	<0.020		0.020	ug/L		09/22/25 11:12	09/23/25 13:32	1
delta-BHC	<0.098		0.098	ug/L		09/22/25 11:12	09/23/25 13:32	1
Di(2-ethylhexyl)adipate	<0.59		0.59	ug/L		09/22/25 11:12	09/23/25 13:32	1
Dibenz(a,h)anthracene	<0.049		0.049	ug/L		09/22/25 11:12	09/23/25 13:32	1

Eurofins Eaton Analytical Pomona

Client Sample Results

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

Job ID: 380-171895-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)/Aiea
Wells Pumps 1&2 P2

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

Lab Sample ID: 380-171895-3

Date Collected: 09/15/25 11:43

Matrix: Water

Date Received: 09/17/25 09:33

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		09/22/25 11:12	09/23/25 13:32	1
Dieldrin	0.012		0.0098	ug/L		09/22/25 11:12	09/23/25 13:32	1
Diethylphthalate	<0.49		0.49	ug/L		09/22/25 11:12	09/23/25 13:32	1
Dimethylphthalate	<0.49		0.49	ug/L		09/22/25 11:12	09/23/25 13:32	1
Di-n-butyl phthalate	<0.98		0.98	ug/L		09/22/25 11:12	09/23/25 13:32	1
Di-n-octyl phthalate	<0.098		0.098	ug/L		09/22/25 11:12	09/23/25 13:32	1
Endosulfan I (Alpha)	<0.098		0.098	ug/L		09/22/25 11:12	09/23/25 13:32	1
Endosulfan II (Beta)	<0.098		0.098	ug/L		09/22/25 11:12	09/23/25 13:32	1
Endosulfan sulfate	<0.098		0.098	ug/L		09/22/25 11:12	09/23/25 13:32	1
Endrin	<0.0098		0.0098	ug/L		09/22/25 11:12	09/23/25 13:32	1
Endrin aldehyde	<0.098		0.098	ug/L		09/22/25 11:12	09/23/25 13:32	1
EPTC	<0.098		0.098	ug/L		09/22/25 11:12	09/23/25 13:32	1
Fluoranthene	<0.098		0.098	ug/L		09/22/25 11:12	09/23/25 13:32	1
Fluorene	<0.049		0.049	ug/L		09/22/25 11:12	09/23/25 13:32	1
gamma-Chlordane	<0.049		0.049	ug/L		09/22/25 11:12	09/23/25 13:32	1
Heptachlor	<0.0098		0.0098	ug/L		09/22/25 11:12	09/23/25 13:32	1
Heptachlor epoxide (isomer B)	<0.0098		0.0098	ug/L		09/22/25 11:12	09/23/25 13:32	1
Hexachlorobenzene	<0.049		0.049	ug/L		09/22/25 11:12	09/23/25 13:32	1
Hexachlorocyclopentadiene	<0.049		0.049	ug/L		09/22/25 11:12	09/23/25 13:32	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049	ug/L		09/22/25 11:12	09/23/25 13:32	1
Isophorone	<0.098		0.098	ug/L		09/22/25 11:12	09/23/25 13:32	1
Lindane	<0.0098		0.0098	ug/L		09/22/25 11:12	09/23/25 13:32	1
Malathion	<0.098		0.098	ug/L		09/22/25 11:12	09/23/25 13:32	1
Methoxychlor	<0.049		0.049	ug/L		09/22/25 11:12	09/23/25 13:32	1
Metolachlor	<0.049		0.049	ug/L		09/22/25 11:12	09/23/25 13:32	1
Molinate	<0.098		0.098	ug/L		09/22/25 11:12	09/23/25 13:32	1
Naphthalene	<0.098		0.098	ug/L		09/22/25 11:12	09/23/25 13:32	1
Parathion	<0.098		0.098	ug/L		09/22/25 11:12	09/23/25 13:32	1
Pendimethalin (Penoxaline)	<0.098		0.098	ug/L		09/22/25 11:12	09/23/25 13:32	1
Phenanthrene	<0.039		0.039	ug/L		09/22/25 11:12	09/23/25 13:32	1
Propachlor	<0.049		0.049	ug/L		09/22/25 11:12	09/23/25 13:32	1
Pyrene	<0.049		0.049	ug/L		09/22/25 11:12	09/23/25 13:32	1
Simazine	<0.049		0.049	ug/L		09/22/25 11:12	09/23/25 13:32	1
Terbacil	<0.098		0.098	ug/L		09/22/25 11:12	09/23/25 13:32	1
Terbuthylazine	<0.098		0.098	ug/L		09/22/25 11:12	09/23/25 13:32	1
Thiobencarb	<0.098		0.098	ug/L		09/22/25 11:12	09/23/25 13:32	1
Total Permethrin (mixed isomers)	<0.20		0.20	ug/L		09/22/25 11:12	09/23/25 13:32	1
trans-Nonachlor	<0.049		0.049	ug/L		09/22/25 11:12	09/23/25 13:32	1
Trifluralin	<0.098		0.098	ug/L		09/22/25 11:12	09/23/25 13:32	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A	09/22/25 11:12	09/23/25 13:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	97		70 - 130	09/22/25 11:12	09/23/25 13:32	1
Perylene-d12	92		70 - 130	09/22/25 11:12	09/23/25 13:32	1
Triphenylphosphate	106		70 - 130	09/22/25 11:12	09/23/25 13:32	1

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Client Sample Results

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

Job ID: 380-171895-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)/Aiea
Wells Pumps 1&2 P2

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

Lab Sample ID: 380-171895-3

Date Collected: 09/15/25 11:43

Matrix: Water

Date Received: 09/17/25 09:33

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		09/18/25 04:51	09/24/25 01:13	1
2-Methylnaphthalene	<0.19		0.19	ug/L		09/18/25 04:51	09/24/25 01:13	1
Acenaphthene	<0.19		0.19	ug/L		09/18/25 04:51	09/24/25 01:13	1
Acenaphthylene	<0.19		0.19	ug/L		09/18/25 04:51	09/24/25 01:13	1
Anthracene	<0.19		0.19	ug/L		09/18/25 04:51	09/24/25 01:13	1
Benzo[a]anthracene	<0.19		0.19	ug/L		09/18/25 04:51	09/24/25 01:13	1
Benzo[a]pyrene	<0.19		0.19	ug/L		09/18/25 04:51	09/24/25 01:13	1
Benzo[b]fluoranthene	<0.19		0.19	ug/L		09/18/25 04:51	09/24/25 01:13	1
Benzo[g,h,i]perylene	<0.19		0.19	ug/L		09/18/25 04:51	09/24/25 01:13	1
Benzo[k]fluoranthene	<0.19		0.19	ug/L		09/18/25 04:51	09/24/25 01:13	1
Chrysene	<0.19		0.19	ug/L		09/18/25 04:51	09/24/25 01:13	1
Dibenz(a,h)anthracene	<0.19		0.19	ug/L		09/18/25 04:51	09/24/25 01:13	1
Fluoranthene	<0.19		0.19	ug/L		09/18/25 04:51	09/24/25 01:13	1
Fluorene	<0.19	*	0.19	ug/L		09/18/25 04:51	09/24/25 01:13	1
Indeno[1,2,3-cd]pyrene	<0.19		0.19	ug/L		09/18/25 04:51	09/24/25 01:13	1
Naphthalene	<0.19		0.19	ug/L		09/18/25 04:51	09/24/25 01:13	1
Phenanthrene	<0.19		0.19	ug/L		09/18/25 04:51	09/24/25 01:13	1
Pyrene	<0.19	*	0.19	ug/L		09/18/25 04:51	09/24/25 01:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	77		28 - 127	09/18/25 04:51	09/24/25 01:13	1
2-Fluorobiphenyl (Surr)	68		31 - 120	09/18/25 04:51	09/24/25 01:13	1
2-Fluorophenol (Surr)	47		17 - 120	09/18/25 04:51	09/24/25 01:13	1
Nitrobenzene-d5 (Surr)	70		27 - 120	09/18/25 04:51	09/24/25 01:13	1
Phenol-d6 (Surr)	31		10 - 120	09/18/25 04:51	09/24/25 01:13	1
p-Terphenyl-d14 (Surr)	77		45 - 120	09/18/25 04:51	09/24/25 01:13	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
Cyclic octaatomic sulfur	8.7	T J N	ug/L		9.93	10544-50-0	09/18/25 04:51	10/04/25 12:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	64		33 - 139	09/18/25 04:51	10/04/25 12:07	1
2-Fluorobiphenyl (Surr)	72		33 - 126	09/18/25 04:51	10/04/25 12:07	1
2-Fluorophenol (Surr)	47		12 - 120	09/18/25 04:51	10/04/25 12:07	1
Nitrobenzene-d5 (Surr)	89		36 - 120	09/18/25 04:51	10/04/25 12:07	1
Phenol-d6 (Surr)	31		10 - 120	09/18/25 04:51	10/04/25 12:07	1
p-Terphenyl-d14 (Surr)	78		47 - 131	09/18/25 04:51	10/04/25 12:07	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			09/22/25 12:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		38 - 134		09/22/25 12:55	1

Client Sample Results

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

Job ID: 380-171895-1
 SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)/Aiea
 Wells Pumps 1&2 P2

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

Lab Sample ID: 380-171895-3

Date Collected: 09/15/25 11:43
 Date Received: 09/17/25 09:33

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)	<26		26	ug/L		09/22/25 11:41	09/29/25 08:24	1
Motor Oil Range Organics [C24-C36]	<26		26	ug/L		09/22/25 11:41	09/29/25 08:24	1
C8-C18	<26		26	ug/L		09/22/25 11:41	09/29/25 08:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>n</i> -Octacosane (Surr)	98		60 - 130	09/22/25 11:41	09/29/25 08:24	1

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

Lab Sample ID: 380-171895-4

Date Collected: 09/15/25 11:43
 Date Received: 09/17/25 09:33

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			09/22/25 17:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		38 - 134		09/22/25 17:37	1

Action Limit Summary

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

Job ID: 380-171895-1
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)
PWSID Number: HI0000331

Lab Sample ID: 380-171895-1

Compliance Check

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

Analyte	Result	Qualifier	Unit	EPAMCL	RL	Method	Prep Type
				Limit			
Alachlor	<0.049		ug/L	2	0.049	525.2	Total/NA
Atrazine	<0.049		ug/L	3	0.049	525.2	Total/NA
Benzo[a]pyrene	<0.019		ug/L	0.2	0.019	525.2	Total/NA
Bis(2-ethylhexyl) phthalate	<0.58		ug/L	6	0.58	525.2	Total/NA
Di(2-ethylhexyl)adipate	<0.58		ug/L	400	0.58	525.2	Total/NA
Endrin	<0.0097		ug/L	2	0.0097	525.2	Total/NA
Heptachlor	<0.0097		ug/L	0.4	0.0097	525.2	Total/NA
Heptachlor epoxide (isomer B)	0.014		ug/L	0.2	0.0097	525.2	Total/NA
Hexachlorobenzene	<0.049		ug/L	1	0.049	525.2	Total/NA
Hexachlorocyclopentadiene	<0.049		ug/L	50	0.049	525.2	Total/NA
Lindane	<0.0097		ug/L	0.2	0.0097	525.2	Total/NA
Methoxychlor	<0.049		ug/L	40	0.049	525.2	Total/NA
Simazine	<0.049		ug/L	4	0.049	525.2	Total/NA
Benzo[a]pyrene	<0.19		ug/L	0.2	0.19	625.1 SIM	Total/NA

Client Sample ID: AIEA WELLS PUMPS 1&2 P2 (260)
(331-203-TP400)
PWSID Number: HI0000331

Lab Sample ID: 380-171895-3

Compliance Check

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

Analyte	Result	Qualifier	Unit	EPAMCL	RL	Method	Prep Type
				Limit			
Alachlor	<0.049		ug/L	2	0.049	525.2	Total/NA
Atrazine	<0.049		ug/L	3	0.049	525.2	Total/NA
Benzo[a]pyrene	<0.020		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: 380-171895-1
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)
380-171895-1	HALAWA WELLS UNITS 1 & 2 F	98	92	107
380-171895-1 MS	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)	99	95	101

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)
380-171885-I-1-A DU	Duplicate	99	90	97
380-171895-3	AIEA WELLS PUMPS 1&2 P2 (260) (331-203-TP400)	97	92	106
LCS 380-175529/22-A	Lab Control Sample	97	96	98
MB 380-175529/20-A	Method Blank	97	87	106
MRL 380-175529/21-A	Lab Control Sample	97	88	98

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)
380-171895-1	HALAWA WELLS UNITS 1 & 2 F	76	88	56	108	39	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)
380-171895-3	AIEA WELLS PUMPS 1&2 P2 (2	64	72	47	89	31	78
MB 570-627171/1-A	Method Blank	72	80	54	106	35	83

Surrogate Summary

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

Job ID: 380-171895-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)/Aiea
Wells Pumps 1&2 P2

Surrogate Legend

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

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

Matrix: Drinking Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (28-127)	FBP (31-120)	2FP (17-120)	NBZ (27-120)	PHL6 (10-120)	TPHd14 (45-120)
380-171895-1	HALAWA WELLS UNITS 1 & 2 F	88	82	57	85	37	84
380-171895-1 MS	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	79	74	54	65	36	76
380-171895-1 MSD	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	86	80	61	70	42	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)
380-171895-3	AIEA WELLS PUMPS 1&2 P2 (2	77	68	47	70	31	77
LCS 570-627171/2-A	Lab Control Sample	66	60	48	57	34	64
LCSD 570-627171/3-A	Lab Control Sample Dup	71	68	54	60	38	72
MB 570-627171/1-A	Method Blank	85	71	53	80	34	78

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)
380-171895-1	HALAWA WELLS UNITS 1 & 2 F	90
380-171895-1 MS	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	97
380-171895-1 MSD	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	95

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Surrogate Summary

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

Job ID: 380-171895-1
 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)

Matrix: Drinking Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB1 (38-134)
380-171895-2	TB: HALAWA WELLS UNITS 1 & 2	95

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)
380-171895-3	AIEA WELLS PUMPS 1&2 P2 (2	91
380-171895-4	TB: AIEA WELLS PUMPS 1&2 (260) (331-203-TP400)	93
LCS 570-628809/4	Lab Control Sample	94
LCSD 570-628809/5	Lab Control Sample Dup	91
MB 570-628809/6	Method Blank	97
MRL 570-628809/3	Lab Control Sample	88

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)
380-171895-1	HALAWA WELLS UNITS 1 & 2	87
380-171895-1 MS	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	96
380-171895-1 MSD	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	94

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)
380-171895-3	AIEA WELLS PUMPS 1&2 P2 (2	98
LCS 570-628483/2-A	Lab Control Sample	96
LCS 570-628965/2-A	Lab Control Sample	91
LCSD 570-628483/3-A	Lab Control Sample Dup	94
LCSD 570-628965/3-A	Lab Control Sample Dup	92
MB 570-628483/1-A	Method Blank	88
MB 570-628965/1-A	Method Blank	95
MRL 570-628483/4-A	Lab Control Sample	82
MRL 570-628965/4-A	Lab Control Sample	100

Surrogate Summary

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

Job ID: 380-171895-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)/Aiea
Wells Pumps 1&2 P2

Surrogate Legend

OTCSN = n-Octacosane (Surr)

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

QC Sample Results

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

Job ID: 380-171895-1
 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 380-175529/20-A
Matrix: Water
Analysis Batch: 175685

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 175529

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:31	1
2,4'-DDD	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:31	1
2,4'-DDE	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:31	1
2,4'-DDT	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:31	1
2,4-Dinitrotoluene	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:31	1
2,6-Dinitrotoluene	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:31	1
2-Methylnaphthalene	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:31	1
4,4'-DDD	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:31	1
4,4'-DDE	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:31	1
4,4'-DDT	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:31	1
Acenaphthene	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:31	1
Acenaphthylene	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:31	1
Acetochlor	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:31	1
Alachlor	<0.049		0.049	ug/L		09/22/25 11:12	09/23/25 12:31	1
alpha-BHC	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:31	1
alpha-Chlordane	<0.049		0.049	ug/L		09/22/25 11:12	09/23/25 12:31	1
Anthracene	<0.019		0.019	ug/L		09/22/25 11:12	09/23/25 12:31	1
Atrazine	<0.049		0.049	ug/L		09/22/25 11:12	09/23/25 12:31	1
Benz(a)anthracene	<0.049		0.049	ug/L		09/22/25 11:12	09/23/25 12:31	1
Benzo[a]pyrene	<0.019		0.019	ug/L		09/22/25 11:12	09/23/25 12:31	1
Benzo[b]fluoranthene	<0.019		0.019	ug/L		09/22/25 11:12	09/23/25 12:31	1
Benzo[g,h,i]perylene	<0.049		0.049	ug/L		09/22/25 11:12	09/23/25 12:31	1
Benzo[k]fluoranthene	<0.019		0.019	ug/L		09/22/25 11:12	09/23/25 12:31	1
beta-BHC	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:31	1
Bis(2-ethylhexyl) phthalate	<0.58		0.58	ug/L		09/22/25 11:12	09/23/25 12:31	1
Bromacil	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:31	1
Butachlor	<0.049		0.049	ug/L		09/22/25 11:12	09/23/25 12:31	1
Butylbenzylphthalate	<0.49		0.49	ug/L		09/22/25 11:12	09/23/25 12:31	1
Chlorobenzilate	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:31	1
Chloroneb	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:31	1
Chlorothalonil (Draconil, Bravo)	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:31	1
Chlorpyrifos	<0.049		0.049	ug/L		09/22/25 11:12	09/23/25 12:31	1
Chrysene	<0.019		0.019	ug/L		09/22/25 11:12	09/23/25 12:31	1
delta-BHC	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:31	1
Di(2-ethylhexyl)adipate	<0.58		0.58	ug/L		09/22/25 11:12	09/23/25 12:31	1
Dibenz(a,h)anthracene	<0.049		0.049	ug/L		09/22/25 11:12	09/23/25 12:31	1
Diclorvos (DDVP)	<0.049		0.049	ug/L		09/22/25 11:12	09/23/25 12:31	1
Dieldrin	<0.0097		0.0097	ug/L		09/22/25 11:12	09/23/25 12:31	1
Diethylphthalate	<0.49		0.49	ug/L		09/22/25 11:12	09/23/25 12:31	1
Dimethylphthalate	<0.49		0.49	ug/L		09/22/25 11:12	09/23/25 12:31	1
Di-n-butyl phthalate	<0.97		0.97	ug/L		09/22/25 11:12	09/23/25 12:31	1
Di-n-octyl phthalate	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:31	1
Endosulfan I (Alpha)	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:31	1
Endosulfan II (Beta)	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:31	1
Endosulfan sulfate	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:31	1
Endrin	<0.0097		0.0097	ug/L		09/22/25 11:12	09/23/25 12:31	1
Endrin aldehyde	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:31	1

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QC Sample Results

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

Job ID: 380-171895-1
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 380-175529/20-A
Matrix: Water
Analysis Batch: 175685

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 175529

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
EPTC	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:31	1
EPTC	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:31	1
Fluoranthene	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:31	1
Fluorene	<0.049		0.049	ug/L		09/22/25 11:12	09/23/25 12:31	1
gamma-Chlordane	<0.049		0.049	ug/L		09/22/25 11:12	09/23/25 12:31	1
Heptachlor	<0.0097		0.0097	ug/L		09/22/25 11:12	09/23/25 12:31	1
Heptachlor epoxide (isomer B)	<0.0097		0.0097	ug/L		09/22/25 11:12	09/23/25 12:31	1
Hexachlorobenzene	<0.049		0.049	ug/L		09/22/25 11:12	09/23/25 12:31	1
Hexachlorocyclopentadiene	<0.049		0.049	ug/L		09/22/25 11:12	09/23/25 12:31	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049	ug/L		09/22/25 11:12	09/23/25 12:31	1
Isophorone	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:31	1
Lindane	<0.0097		0.0097	ug/L		09/22/25 11:12	09/23/25 12:31	1
Malathion	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:31	1
Methoxychlor	<0.049		0.049	ug/L		09/22/25 11:12	09/23/25 12:31	1
Metolachlor	<0.049		0.049	ug/L		09/22/25 11:12	09/23/25 12:31	1
Molinate	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:31	1
Naphthalene	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:31	1
Parathion	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:31	1
Pendimethalin (Penoxaline)	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:31	1
Phenanthrene	<0.039		0.039	ug/L		09/22/25 11:12	09/23/25 12:31	1
Propachlor	<0.049		0.049	ug/L		09/22/25 11:12	09/23/25 12:31	1
Pyrene	<0.049		0.049	ug/L		09/22/25 11:12	09/23/25 12:31	1
Simazine	<0.049		0.049	ug/L		09/22/25 11:12	09/23/25 12:31	1
Terbacil	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:31	1
Terbutylazine	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:31	1
Thiobencarb	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:31	1
Total Permethrin (mixed isomers)	<0.19		0.19	ug/L		09/22/25 11:12	09/23/25 12:31	1
trans-Nonachlor	<0.049		0.049	ug/L		09/22/25 11:12	09/23/25 12:31	1
Trifluralin	<0.097		0.097	ug/L		09/22/25 11:12	09/23/25 12:31	1

<i>Tentatively Identified Compound</i>	MB	MB	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
	Est. Result	Qualifier							
<i>Cyclopentene, 1,2,3,3,4-pentamethyl-</i>	0.843	T J N	ug/L		2.51	197390-29-7	09/22/25 11:12	09/23/25 12:31	1
<i>Decane</i>	2.06	T J N	ug/L		2.77	124-18-5	09/22/25 11:12	09/23/25 12:31	1
<i>9-Octadecenamide, (Z)-</i>	1.45	T J N	ug/L		7.89	301-02-0	09/22/25 11:12	09/23/25 12:31	1
<i>13-Docosenamide, (Z)-</i>	0.541	T J N	ug/L		10.43	112-84-5	09/22/25 11:12	09/23/25 12:31	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
<i>2-Nitro-m-xylene</i>	97		70 - 130	09/22/25 11:12	09/23/25 12:31	1
<i>Perylene-d12</i>	87		70 - 130	09/22/25 11:12	09/23/25 12:31	1
<i>Triphenylphosphate</i>	106		70 - 130	09/22/25 11:12	09/23/25 12:31	1

Lab Sample ID: LCS 380-175529/22-A
Matrix: Water
Analysis Batch: 175685

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 175529

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
	Added	Result	Qualifier				Limits
1-Methylnaphthalene	1.95	1.85		ug/L		95	70 - 130

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QC Sample Results

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

Job ID: 380-171895-1
 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 380-175529/22-A
Matrix: Water
Analysis Batch: 175685

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 175529

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4'-DDD	1.95	1.84		ug/L		95	70 - 130
2,4'-DDE	1.95	2.05		ug/L		105	70 - 130
2,4'-DDT	1.95	1.75		ug/L		90	70 - 130
2,4-Dinitrotoluene	1.95	1.77		ug/L		91	70 - 130
2,6-Dinitrotoluene	1.95	1.82		ug/L		93	70 - 130
2-Methylnaphthalene	1.95	1.89		ug/L		97	70 - 130
4,4'-DDD	1.95	1.90		ug/L		97	70 - 130
4,4'-DDE	1.95	1.81		ug/L		93	70 - 130
4,4'-DDT	1.95	1.77		ug/L		91	70 - 130
Acenaphthene	1.95	1.96		ug/L		100	70 - 130
Acenaphthylene	1.95	1.82		ug/L		93	70 - 130
Acetochlor	1.95	2.02		ug/L		104	70 - 130
Alachlor	1.95	2.12		ug/L		109	70 - 130
alpha-BHC	1.95	2.03		ug/L		104	70 - 130
alpha-Chlordane	1.95	1.81		ug/L		93	70 - 130
Anthracene	1.95	1.80		ug/L		92	70 - 130
Atrazine	1.95	1.97		ug/L		101	70 - 130
Benz(a)anthracene	1.95	1.89		ug/L		97	70 - 130
Benzo[a]pyrene	1.95	2.02		ug/L		104	70 - 130
Benzo[b]fluoranthene	1.95	2.02		ug/L		104	70 - 130
Benzo[g,h,i]perylene	1.95	1.89		ug/L		97	70 - 130
Benzo[k]fluoranthene	1.95	1.88		ug/L		97	70 - 130
beta-BHC	1.95	2.07		ug/L		106	70 - 130
Bis(2-ethylhexyl) phthalate	1.95	2.01		ug/L		103	70 - 130
Bromacil	1.95	1.88		ug/L		96	70 - 130
Butachlor	1.95	2.00		ug/L		103	70 - 130
Butylbenzylphthalate	1.95	2.21		ug/L		113	70 - 130
Chlorobenzilate	1.95	2.09		ug/L		107	70 - 130
Chloroneb	1.95	2.01		ug/L		103	70 - 130
Chlorothalonil (Draconil, Bravo)	1.95	1.86		ug/L		96	70 - 130
Chlorpyrifos	1.95	1.90		ug/L		98	70 - 130
Chrysene	1.95	1.94		ug/L		100	70 - 130
delta-BHC	1.95	1.99		ug/L		102	70 - 130
Di(2-ethylhexyl)adipate	1.95	1.97		ug/L		101	70 - 130
Dibenz(a,h)anthracene	1.95	1.88		ug/L		96	70 - 130
Diclorvos (DDVP)	1.95	2.03		ug/L		104	70 - 130
Dieldrin	1.95	2.04		ug/L		105	70 - 130
Diethylphthalate	1.95	2.11		ug/L		108	70 - 130
Dimethylphthalate	1.95	2.03		ug/L		104	70 - 130
Di-n-butyl phthalate	3.89	4.42		ug/L		114	70 - 130
Di-n-octyl phthalate	1.95	1.92		ug/L		98	70 - 130
Endosulfan I (Alpha)	1.95	2.02		ug/L		103	70 - 130
Endosulfan II (Beta)	1.95	2.00		ug/L		103	70 - 130
Endosulfan sulfate	1.95	1.92		ug/L		98	70 - 130
Endrin	1.95	2.03		ug/L		104	70 - 130
Endrin aldehyde	1.95	1.81		ug/L		93	60 - 130
EPTC	1.95	2.05		ug/L		105	70 - 130
Fluoranthene	1.95	1.96		ug/L		101	70 - 130

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-171895-1
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 380-175529/22-A
Matrix: Water
Analysis Batch: 175685

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 175529

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluorene	1.95	2.07		ug/L		106	70 - 130
gamma-Chlordane	1.95	1.83		ug/L		94	70 - 130
Heptachlor	1.95	2.00		ug/L		103	70 - 130
Heptachlor epoxide (isomer B)	1.95	1.96		ug/L		101	70 - 130
Hexachlorobenzene	1.95	1.90		ug/L		98	70 - 130
Hexachlorocyclopentadiene	1.95	1.76		ug/L		90	70 - 130
Indeno[1,2,3-cd]pyrene	1.95	1.86		ug/L		95	70 - 130
Isophorone	1.95	1.96		ug/L		101	70 - 130
Lindane	1.95	2.12		ug/L		109	70 - 130
Malathion	1.95	1.91		ug/L		98	70 - 130
Methoxychlor	1.95	1.96		ug/L		100	70 - 130
Metolachlor	1.95	1.97		ug/L		101	70 - 130
Molinate	1.95	2.08		ug/L		107	70 - 130
Naphthalene	1.95	1.94		ug/L		100	70 - 130
Parathion	1.95	1.95		ug/L		100	70 - 130
Pendimethalin (Penoxaline)	1.95	1.72		ug/L		88	70 - 130
Phenanthrene	1.95	1.95		ug/L		100	70 - 130
Propachlor	1.95	2.15		ug/L		110	70 - 130
Pyrene	1.95	1.89		ug/L		97	70 - 130
Simazine	1.95	1.97		ug/L		101	70 - 130
Terbacil	1.95	1.97		ug/L		101	70 - 130
Terbutylazine	1.95	2.00		ug/L		103	70 - 130
Thiobencarb	1.95	1.91		ug/L		98	70 - 130
trans-Nonachlor	1.95	1.75		ug/L		90	70 - 130
Trifluralin	1.95	1.80		ug/L		92	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2-Nitro-m-xylene	97		70 - 130
Perylene-d12	96		70 - 130
Triphenylphosphate	98		70 - 130

Lab Sample ID: MRL 380-175529/21-A
Matrix: Water
Analysis Batch: 175685

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 175529

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	0.0972	0.106		ug/L		109	50 - 150
2,4'-DDD	0.0972	0.0901	J	ug/L		93	50 - 150
2,4'-DDE	0.0972	0.0973		ug/L		100	50 - 150
2,4'-DDT	0.0972	0.102		ug/L		105	50 - 150
2,4-Dinitrotoluene	0.0972	0.104		ug/L		107	50 - 150
2,6-Dinitrotoluene	0.0972	0.127		ug/L		130	50 - 150
2-Methylnaphthalene	0.0972	0.102		ug/L		104	50 - 150
4,4'-DDD	0.0972	0.107		ug/L		110	50 - 150
4,4'-DDE	0.0972	0.0999		ug/L		103	50 - 150
4,4'-DDT	0.0972	0.105		ug/L		108	50 - 150
Acenaphthene	0.0972	0.0907	J	ug/L		93	50 - 150

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-171895-1
 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 380-175529/21-A
Matrix: Water
Analysis Batch: 175685

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 175529

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthylene	0.0972	0.0895	J	ug/L		92	50 - 150
Acetochlor	0.0972	0.106		ug/L		110	50 - 150
Alachlor	0.0486	0.0484	J	ug/L		99	50 - 150
alpha-BHC	0.0972	0.0990		ug/L		102	50 - 150
alpha-Chlordane	0.0243	0.0323	J	ug/L		133	50 - 150
Anthracene	0.0194	0.0219		ug/L		112	50 - 150
Atrazine	0.0486	0.0647		ug/L		133	50 - 150
Benz(a)anthracene	0.0486	0.0447	J	ug/L		92	50 - 150
Benzo[a]pyrene	0.0194	0.0201		ug/L		103	50 - 150
Benzo[b]fluoranthene	0.0194	0.0227		ug/L		117	50 - 150
Benzo[g,h,i]perylene	0.0486	0.0548		ug/L		113	50 - 150
Benzo[k]fluoranthene	0.0194	0.0239		ug/L		123	50 - 150
beta-BHC	0.0972	0.104		ug/L		107	50 - 150
Bis(2-ethylhexyl) phthalate	0.583	0.606		ug/L		104	50 - 150
Bromacil	0.0972	0.117		ug/L		120	50 - 150
Butachlor	0.0486	0.0638		ug/L		131	50 - 150
Butylbenzylphthalate	0.486	0.565		ug/L		116	50 - 150
Chlorobenzilate	0.0972	0.0996		ug/L		102	50 - 150
Chloroneb	0.0972	0.0972		ug/L		100	50 - 150
Chlorothalonil (Draconil, Bravo)	0.0972	0.102		ug/L		105	50 - 150
Chlorpyrifos	0.0486	0.0503		ug/L		104	50 - 150
Chrysene	0.0194	0.0201		ug/L		103	50 - 150
delta-BHC	0.0972	0.104		ug/L		107	50 - 150
Di(2-ethylhexyl)adipate	0.583	0.573	J	ug/L		98	50 - 150
Dibenz(a,h)anthracene	0.0486	0.0606		ug/L		125	50 - 150
Diclorvos (DDVP)	0.0486	0.0584		ug/L		120	50 - 150
Dieldrin	0.00972	0.0124		ug/L		127	50 - 150
Diethylphthalate	0.486	0.509		ug/L		105	50 - 150
Dimethylphthalate	0.486	0.514		ug/L		106	50 - 150
Di-n-butyl phthalate	0.486	0.611	J	ug/L		126	49 - 243
Di-n-octyl phthalate	0.0972	0.102		ug/L		105	50 - 150
Endosulfan I (Alpha)	0.0972	0.0859	J	ug/L		88	50 - 150
Endosulfan II (Beta)	0.0972	0.108		ug/L		111	50 - 150
Endosulfan sulfate	0.0972	0.0995		ug/L		102	50 - 150
Endrin	0.00972	0.00942	J	ug/L		97	50 - 150
Endrin aldehyde	0.0972	0.106		ug/L		109	50 - 150
EPTC	0.0972	0.0940	J	ug/L		97	50 - 150
Fluoranthene	0.0972	0.0974		ug/L		100	50 - 150
Fluorene	0.0486	0.0492		ug/L		101	50 - 150
gamma-Chlordane	0.0243	0.0318	J	ug/L		131	50 - 150
Heptachlor	0.00972	0.0112		ug/L		115	50 - 150
Heptachlor epoxide (isomer B)	0.00972	0.0103		ug/L		106	50 - 150
Hexachlorobenzene	0.0486	0.0455	J	ug/L		94	50 - 150
Hexachlorocyclopentadiene	0.0486	0.0477	J	ug/L		98	50 - 150
Indeno[1,2,3-cd]pyrene	0.0486	0.0679		ug/L		140	50 - 150
Isophorone	0.0972	0.109		ug/L		112	50 - 150
Lindane	0.00972	0.0113		ug/L		116	50 - 150
Malathion	0.0972	0.105		ug/L		108	50 - 150

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-171895-1
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 380-175529/21-A
Matrix: Water
Analysis Batch: 175685

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 175529

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Methoxychlor	0.0486	0.0722		ug/L		149	50 - 150
Metolachlor	0.0486	0.0572		ug/L		118	50 - 150
Molinate	0.0972	0.0986		ug/L		101	50 - 150
Naphthalene	0.0972	0.0971		ug/L		100	50 - 150
Parathion	0.0972	0.0989		ug/L		102	50 - 150
Pendimethalin (Penoxaline)	0.0972	0.0987		ug/L		101	50 - 150
Phenanthrene	0.0389	0.0409		ug/L		105	50 - 150
Propachlor	0.0486	0.0525		ug/L		108	50 - 150
Pyrene	0.0486	0.0498		ug/L		102	50 - 150
Simazine	0.0486	0.0614		ug/L		126	50 - 150
Terbacil	0.0972	0.103		ug/L		106	50 - 150
Terbutylazine	0.0972	0.105		ug/L		108	50 - 150
Thiobencarb	0.0972	0.103		ug/L		106	50 - 150
trans-Nonachlor	0.0243	0.0346	J	ug/L		142	50 - 150
Trifluralin	0.0972	0.100		ug/L		103	50 - 150

Surrogate	MRL %Recovery	MRL Qualifier	MRL Limits
2-Nitro-m-xylene	97		70 - 130
Perylene-d12	88		70 - 130
Triphenylphosphate	98		70 - 130

Lab Sample ID: 380-171895-1 MS
Matrix: Drinking Water
Analysis Batch: 175685

Client Sample ID: HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)
Prep Type: Total/NA
Prep Batch: 175529

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.097		1.96	1.89		ug/L		96	70 - 130
2,4'-DDD	<0.097		1.96	1.90		ug/L		97	70 - 130
2,4'-DDE	<0.097		1.96	2.12		ug/L		108	70 - 130
2,4'-DDT	<0.097		1.96	1.83		ug/L		94	70 - 130
2,4-Dinitrotoluene	<0.097		1.96	1.92		ug/L		98	70 - 130
2,6-Dinitrotoluene	<0.097		1.96	1.91		ug/L		98	70 - 130
2-Methylnaphthalene	<0.097		1.96	1.91		ug/L		97	70 - 130
4,4'-DDD	<0.097		1.96	1.97		ug/L		101	70 - 130
4,4'-DDE	<0.097		1.96	1.86		ug/L		95	70 - 130
4,4'-DDT	<0.097		1.96	1.89		ug/L		96	70 - 130
Acenaphthene	<0.097		1.96	1.94		ug/L		99	70 - 130
Acenaphthylene	<0.097		1.96	1.86		ug/L		95	70 - 130
Acetochlor	<0.097		1.96	2.07		ug/L		105	70 - 130
Alachlor	<0.049		1.96	2.18		ug/L		112	70 - 130
alpha-BHC	<0.097		1.96	2.05		ug/L		105	70 - 130
alpha-Chlordane	<0.049		1.96	1.83		ug/L		91	70 - 130
Anthracene	<0.019	F1	1.96	1.12	F1	ug/L		57	70 - 130
Atrazine	<0.049		1.96	2.03		ug/L		103	70 - 130
Benz(a)anthracene	<0.049		1.96	1.94		ug/L		99	70 - 130
Benzo[a]pyrene	<0.019		1.96	1.77		ug/L		90	70 - 130
Benzo[b]fluoranthene	<0.019		1.96	1.97		ug/L		101	70 - 130

QC Sample Results

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

Job ID: 380-171895-1
 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: 380-171895-1 MS

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

Matrix: Drinking Water

Prep Type: Total/NA

Analysis Batch: 175685

Prep Batch: 175529

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier	Added	Result	Qualifier				
Benzo[g,h,i]perylene	<0.049		1.96	1.87		ug/L		95	70 - 130
Benzo[k]fluoranthene	<0.019		1.96	1.87		ug/L		96	70 - 130
beta-BHC	<0.097		1.96	2.11		ug/L		108	70 - 130
Bis(2-ethylhexyl) phthalate	<0.58		1.96	2.07		ug/L		106	70 - 130
Bromacil	<0.097		1.96	2.05		ug/L		101	70 - 130
Butachlor	<0.049		1.96	2.02		ug/L		103	70 - 130
Butylbenzylphthalate	<0.49		1.96	2.31		ug/L		118	70 - 130
Chlorobenzilate	<0.097		1.96	2.19		ug/L		112	70 - 130
Chloroneb	<0.097		1.96	2.08		ug/L		106	70 - 130
Chlorothalonil (Draconil, Bravo)	<0.097		1.96	1.91		ug/L		97	70 - 130
Chlorpyrifos	<0.049		1.96	1.98		ug/L		101	70 - 130
Chrysene	<0.019		1.96	1.94		ug/L		99	70 - 130
delta-BHC	<0.097		1.96	2.01		ug/L		103	70 - 130
Di(2-ethylhexyl)adipate	<0.58		1.96	2.15		ug/L		110	70 - 130
Dibenz(a,h)anthracene	<0.049		1.96	1.99		ug/L		102	70 - 130
Diclorvos (DDVP)	<0.049		1.96	2.10		ug/L		107	70 - 130
Dieldrin	0.040		1.96	2.08		ug/L		104	70 - 130
Diethylphthalate	<0.49		1.96	2.12		ug/L		108	70 - 130
Dimethylphthalate	<0.49		1.96	2.10		ug/L		107	70 - 130
Di-n-butyl phthalate	<0.97		3.92	4.92		ug/L		126	70 - 130
Di-n-octyl phthalate	<0.097		1.96	2.01		ug/L		102	70 - 130
Endosulfan I (Alpha)	<0.097		1.96	2.06		ug/L		105	70 - 130
Endosulfan II (Beta)	<0.097		1.96	2.13		ug/L		109	70 - 130
Endosulfan sulfate	<0.097		1.96	1.96		ug/L		100	70 - 130
Endrin	<0.0097		1.96	2.06		ug/L		105	70 - 130
Endrin aldehyde	<0.097		1.96	1.78		ug/L		91	60 - 130
EPTC	<0.097		1.96	2.08		ug/L		106	70 - 130
Fluoranthene	<0.097		1.96	1.99		ug/L		102	70 - 130
Fluorene	<0.049		1.96	2.10		ug/L		107	70 - 130
gamma-Chlordane	<0.049		1.96	1.92		ug/L		97	70 - 130
Heptachlor	<0.0097		1.96	2.06		ug/L		105	70 - 130
Heptachlor epoxide (isomer B)	0.014		1.96	2.00		ug/L		101	70 - 130
Hexachlorobenzene	<0.049		1.96	1.88		ug/L		96	70 - 130
Hexachlorocyclopentadiene	<0.049		1.96	1.86		ug/L		95	70 - 130
Indeno[1,2,3-cd]pyrene	<0.049		1.96	1.97		ug/L		101	70 - 130
Isophorone	<0.097		1.96	1.96		ug/L		100	70 - 130
Lindane	<0.0097		1.96	2.17		ug/L		111	70 - 130
Malathion	<0.097		1.96	1.92		ug/L		98	70 - 130
Methoxychlor	<0.049		1.96	2.24		ug/L		115	70 - 130
Metolachlor	<0.049		1.96	2.00		ug/L		102	70 - 130
Molinate	<0.097		1.96	2.11		ug/L		108	70 - 130
Naphthalene	<0.097		1.96	1.97		ug/L		101	70 - 130
Parathion	<0.097		1.96	2.05		ug/L		105	70 - 130
Pendimethalin (Penoxaline)	<0.097		1.96	1.84		ug/L		94	70 - 130
Phenanthrene	<0.039		1.96	1.96		ug/L		100	70 - 130
Propachlor	<0.049		1.96	2.20		ug/L		113	70 - 130
Pyrene	<0.049		1.96	1.91		ug/L		97	70 - 130
Simazine	<0.049		1.96	2.03		ug/L		104	70 - 130

QC Sample Results

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

Job ID: 380-171895-1
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: 380-171895-1 MS
Matrix: Drinking Water
Analysis Batch: 175685

Client Sample ID: HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)
Prep Type: Total/NA
Prep Batch: 175529

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier	Added	Result	Qualifier				
Terbacil	<0.097		1.96	2.11		ug/L		108	70 - 130
Terbutylazine	<0.097		1.96	2.08		ug/L		106	70 - 130
Thiobencarb	<0.097		1.96	1.91		ug/L		98	70 - 130
trans-Nonachlor	<0.049		1.96	1.76		ug/L		89	70 - 130
Trifluralin	<0.097		1.96	1.89		ug/L		96	70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
2-Nitro-m-xylene	99		70 - 130
Perylene-d12	95		70 - 130
Triphenylphosphate	101		70 - 130

Lab Sample ID: 380-171885-I-1-A DU
Matrix: Water
Analysis Batch: 175685

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 175529

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
1-Methylnaphthalene	<0.099		<0.098		ug/L		NC	20
2,4'-DDD	<0.099		<0.098		ug/L		NC	20
2,4'-DDE	<0.099		<0.098		ug/L		NC	20
2,4'-DDT	<0.099		<0.098		ug/L		NC	20
2,4-Dinitrotoluene	<0.099		<0.098		ug/L		NC	20
2,6-Dinitrotoluene	<0.099		<0.098		ug/L		NC	20
2-Methylnaphthalene	<0.099		<0.098		ug/L		NC	20
4,4'-DDD	<0.099		<0.098		ug/L		NC	20
4,4'-DDE	<0.099		<0.098		ug/L		NC	20
4,4'-DDT	<0.099		<0.098		ug/L		NC	20
Acenaphthene	<0.099		<0.098		ug/L		NC	20
Acenaphthylene	<0.099		<0.098		ug/L		NC	20
Acetochlor	<0.099		<0.098		ug/L		NC	20
Alachlor	<0.049		<0.049		ug/L		NC	20
alpha-BHC	<0.099		<0.098		ug/L		NC	20
alpha-Chlordane	<0.049		<0.049		ug/L		NC	20
Anthracene	<0.020		<0.020		ug/L		NC	20
Atrazine	<0.049		<0.049		ug/L		NC	20
Benz(a)anthracene	<0.049		<0.049		ug/L		NC	20
Benzo[a]pyrene	<0.020		<0.020		ug/L		NC	20
Benzo[b]fluoranthene	<0.020		<0.020		ug/L		NC	20
Benzo[g,h,i]perylene	<0.049		<0.049		ug/L		NC	20
Benzo[k]fluoranthene	<0.020		<0.020		ug/L		NC	20
beta-BHC	<0.099		<0.098		ug/L		NC	20
Bis(2-ethylhexyl) phthalate	<0.59		<0.59		ug/L		NC	20
Bromacil	<0.099		<0.098		ug/L		NC	20
Butachlor	<0.049		<0.049		ug/L		NC	20
Butylbenzylphthalate	<0.49		<0.49		ug/L		NC	20
Chlorobenzilate	<0.099		<0.098		ug/L		NC	20
Chloroneb	<0.099		<0.098		ug/L		NC	20
Chlorothalonil (Draconil, Bravo)	<0.099		<0.098		ug/L		NC	20

QC Sample Results

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

Job ID: 380-171895-1
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: 380-171885-I-1-A DU
Matrix: Water
Analysis Batch: 175685

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 175529

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Chlorpyrifos	<0.049		<0.049		ug/L		NC	20
Chrysene	<0.020		<0.020		ug/L		NC	20
delta-BHC	<0.099		<0.098		ug/L		NC	20
Di(2-ethylhexyl)adipate	<0.59		<0.59		ug/L		NC	20
Dibenz(a,h)anthracene	<0.049		<0.049		ug/L		NC	20
Diclorvos (DDVP)	<0.049		<0.049		ug/L		NC	20
Dieldrin	<0.0099		<0.0098		ug/L		NC	20
Diethylphthalate	<0.49		<0.49		ug/L		NC	20
Dimethylphthalate	<0.49		<0.49		ug/L		NC	20
Di-n-butyl phthalate	<0.99		<0.98		ug/L		NC	20
Di-n-octyl phthalate	<0.099		<0.098		ug/L		NC	20
Endosulfan I (Alpha)	<0.099		<0.098		ug/L		NC	20
Endosulfan II (Beta)	<0.099		<0.098		ug/L		NC	20
Endosulfan sulfate	<0.099		<0.098		ug/L		NC	20
Endrin	<0.0099		<0.0098		ug/L		NC	20
Endrin aldehyde	<0.099		<0.098		ug/L		NC	20
EPTC	<0.099		<0.098		ug/L		NC	20
Fluoranthene	<0.099		<0.098		ug/L		NC	20
Fluorene	<0.049		<0.049		ug/L		NC	20
gamma-Chlordane	<0.049		<0.049		ug/L		NC	20
Heptachlor	<0.0099		<0.0098		ug/L		NC	20
Heptachlor epoxide (isomer B)	<0.0099		<0.0098		ug/L		NC	20
Hexachlorobenzene	<0.049		<0.049		ug/L		NC	20
Hexachlorocyclopentadiene	<0.049		<0.049		ug/L		NC	20
Indeno[1,2,3-cd]pyrene	<0.049		<0.049		ug/L		NC	20
Isophorone	<0.099		<0.098		ug/L		NC	20
Lindane	<0.0099		<0.0098		ug/L		NC	20
Malathion	<0.099		<0.098		ug/L		NC	20
Methoxychlor	<0.049		<0.049		ug/L		NC	20
Metolachlor	<0.049		<0.049		ug/L		NC	20
Molinate	<0.099		<0.098		ug/L		NC	20
Naphthalene	<0.099		<0.098		ug/L		NC	20
Parathion	<0.099		<0.098		ug/L		NC	20
Pendimethalin (Penoxaline)	<0.099		<0.098		ug/L		NC	20
Phenanthrene	<0.039		<0.039		ug/L		NC	20
Propachlor	<0.049		<0.049		ug/L		NC	20
Pyrene	<0.049		<0.049		ug/L		NC	20
Simazine	<0.049		<0.049		ug/L		NC	20
Terbacil	<0.099		<0.098		ug/L		NC	20
Terbutylazine	<0.099		<0.098		ug/L		NC	20
Thiobencarb	<0.099		<0.098		ug/L		NC	20
Total Permethrin (mixed isomers)	<0.20		<0.20		ug/L		NC	20
trans-Nonachlor	<0.049		<0.049		ug/L		NC	20
Trifluralin	<0.099		<0.098		ug/L		NC	20

Surrogate	DU DU		Limits
	%Recovery	Qualifier	
2-Nitro-m-xylene	99		70 - 130

QC Sample Results

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

Job ID: 380-171895-1
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: 380-171885-I-1-A DU
Matrix: Water
Analysis Batch: 175685

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 175529

Surrogate	%Recovery	DU DU Qualifier	Limits
Perylene-d12	90		70 - 130
Triphenylphosphate	97		70 - 130

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

Lab Sample ID: MB 570-627171/1-A
Matrix: Water
Analysis Batch: 635518

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 627171

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	09/18/25 04:51	10/04/25 09:51	1

Surrogate	%Recovery	MB MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	72		33 - 139	09/18/25 04:51	10/04/25 09:51	1
2-Fluorobiphenyl (Surr)	80		33 - 126	09/18/25 04:51	10/04/25 09:51	1
2-Fluorophenol (Surr)	54		12 - 120	09/18/25 04:51	10/04/25 09:51	1
Nitrobenzene-d5 (Surr)	106		36 - 120	09/18/25 04:51	10/04/25 09:51	1
Phenol-d6 (Surr)	35		10 - 120	09/18/25 04:51	10/04/25 09:51	1
p-Terphenyl-d14 (Surr)	83		47 - 131	09/18/25 04:51	10/04/25 09:51	1

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

Lab Sample ID: MB 570-627171/1-A
Matrix: Water
Analysis Batch: 630004

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 627171

Analyte	Result	MB MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.20		0.20	ug/L		09/18/25 04:51	09/23/25 22:58	1
2-Methylnaphthalene	<0.20		0.20	ug/L		09/18/25 04:51	09/23/25 22:58	1
Acenaphthene	<0.20		0.20	ug/L		09/18/25 04:51	09/23/25 22:58	1
Acenaphthylene	<0.20		0.20	ug/L		09/18/25 04:51	09/23/25 22:58	1
Anthracene	<0.20		0.20	ug/L		09/18/25 04:51	09/23/25 22:58	1
Benzo[a]anthracene	<0.20		0.20	ug/L		09/18/25 04:51	09/23/25 22:58	1
Benzo[a]pyrene	<0.20		0.20	ug/L		09/18/25 04:51	09/23/25 22:58	1
Benzo[b]fluoranthene	<0.20		0.20	ug/L		09/18/25 04:51	09/23/25 22:58	1
Benzo[g,h,i]perylene	<0.20		0.20	ug/L		09/18/25 04:51	09/23/25 22:58	1
Benzo[k]fluoranthene	<0.20		0.20	ug/L		09/18/25 04:51	09/23/25 22:58	1
Chrysene	<0.20		0.20	ug/L		09/18/25 04:51	09/23/25 22:58	1
Dibenz(a,h)anthracene	<0.20		0.20	ug/L		09/18/25 04:51	09/23/25 22:58	1
Fluoranthene	<0.20		0.20	ug/L		09/18/25 04:51	09/23/25 22:58	1
Fluorene	<0.20		0.20	ug/L		09/18/25 04:51	09/23/25 22:58	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20	ug/L		09/18/25 04:51	09/23/25 22:58	1
Naphthalene	<0.20		0.20	ug/L		09/18/25 04:51	09/23/25 22:58	1
Phenanthrene	<0.20		0.20	ug/L		09/18/25 04:51	09/23/25 22:58	1
Pyrene	<0.20		0.20	ug/L		09/18/25 04:51	09/23/25 22:58	1

QC Sample Results

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

Job ID: 380-171895-1
 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 570-627171/1-A
Matrix: Water
Analysis Batch: 630004

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 627171

Surrogate	MB MB	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	85		28 - 127	09/18/25 04:51	09/23/25 22:58	1
2-Fluorobiphenyl (Surr)	71		31 - 120	09/18/25 04:51	09/23/25 22:58	1
2-Fluorophenol (Surr)	53		17 - 120	09/18/25 04:51	09/23/25 22:58	1
Nitrobenzene-d5 (Surr)	80		27 - 120	09/18/25 04 51	09/23/25 22 58	1
Phenol-d6 (Surr)	34		10 - 120	09/18/25 04:51	09/23/25 22:58	1
p-Terphenyl-d14 (Surr)	78		45 - 120	09/18/25 04:51	09/23/25 22:58	1

Lab Sample ID: LCS 570-627171/2-A
Matrix: Water
Analysis Batch: 630004

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 627171

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	20.0	11.9		ug/L		60	47 - 120
2-Methylnaphthalene	20.0	11.7		ug/L		59	43 - 120
Acenaphthene	20.0	13.2		ug/L		66	60 - 132
Acenaphthylene	20.0	13.3		ug/L		67	54 - 126
Anthracene	20.0	13.5		ug/L		68	43 - 120
Benzo[a]anthracene	20.0	13.0		ug/L		65	42 - 133
Benzo[a]pyrene	20.0	13.2		ug/L		66	32 - 148
Benzo[b]fluoranthene	20.0	13.5		ug/L		67	42 - 140
Benzo[g,h,i]perylene	20.0	14.1		ug/L		70	1 - 195
Benzo[k]fluoranthene	20.0	13.9		ug/L		70	25 - 146
Chrysene	20.0	13.9		ug/L		69	44 - 140
Dibenz(a,h)anthracene	20.0	13.7		ug/L		69	1 - 200
Fluoranthene	20.0	14.2		ug/L		71	43 - 121
Fluorene	20.0	13.7	*-	ug/L		69	70 - 120
Indeno[1,2,3-cd]pyrene	20.0	12.9		ug/L		64	1 - 151
Naphthalene	20.0	11.6		ug/L		58	36 - 120
Phenanthrene	20.0	13.6		ug/L		68	65 - 120
Pyrene	20.0	13.3	*-	ug/L		67	70 - 120

Surrogate	LCS LCS	Qualifier	Limits
2,4,6-Tribromophenol (Surr)	66		28 - 127
2-Fluorobiphenyl (Surr)	60		31 - 120
2-Fluorophenol (Surr)	48		17 - 120
Nitrobenzene-d5 (Surr)	57		27 - 120
Phenol-d6 (Surr)	34		10 - 120
p-Terphenyl-d14 (Surr)	64		45 - 120

Lab Sample ID: LCSD 570-627171/3-A
Matrix: Water
Analysis Batch: 630004

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 627171

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	20.0	13.2		ug/L		66	47 - 120	10	20
2-Methylnaphthalene	20.0	13.0		ug/L		65	43 - 120	11	20
Acenaphthene	20.0	14.9		ug/L		75	60 - 132	13	29

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QC Sample Results

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

Job ID: 380-171895-1
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 570-627171/3-A
Matrix: Water
Analysis Batch: 630004

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 627171

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Acenaphthylene	20.0	14.9		ug/L		75	54 - 126	11	45	
Anthracene	20.0	15.0		ug/L		75	43 - 120	10	40	
Benzo[a]anthracene	20.0	14.6		ug/L		73	42 - 133	12	32	
Benzo[a]pyrene	20.0	14.7		ug/L		73	32 - 148	10	43	
Benzo[b]fluoranthene	20.0	14.9		ug/L		74	42 - 140	10	43	
Benzo[g,h,i]perylene	20.0	15.8		ug/L		79	1 - 195	11	61	
Benzo[k]fluoranthene	20.0	15.7		ug/L		78	25 - 146	12	38	
Chrysene	20.0	15.6		ug/L		78	44 - 140	12	53	
Dibenz(a,h)anthracene	20.0	15.8		ug/L		79	1 - 200	14	75	
Fluoranthene	20.0	15.7		ug/L		78	43 - 121	10	40	
Fluorene	20.0	15.3		ug/L		76	70 - 120	11	23	
Indeno[1,2,3-cd]pyrene	20.0	14.4		ug/L		72	1 - 151	11	60	
Naphthalene	20.0	12.6		ug/L		63	36 - 120	8	39	
Phenanthrene	20.0	15.2		ug/L		76	65 - 120	11	24	
Pyrene	20.0	15.0		ug/L		75	70 - 120	12	30	

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol (Surr)	71		28 - 127
2-Fluorobiphenyl (Surr)	68		31 - 120
2-Fluorophenol (Surr)	54		17 - 120
Nitrobenzene-d5 (Surr)	60		27 - 120
Phenol-d6 (Surr)	38		10 - 120
p-Terphenyl-d14 (Surr)	72		45 - 120

Lab Sample ID: 380-171895-1 MS
Matrix: Drinking Water
Analysis Batch: 630004

Client Sample ID: HALAWA WELLS UNITS 1 & 2 (331-206-TP065)
Prep Type: Total/NA
Prep Batch: 627171

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec	
				Result	Qualifier				Limits	RPD
1-Methylnaphthalene	<0.19		19.1	13.6		ug/L		71	36 - 120	
2-Methylnaphthalene	<0.19		19.1	13.5		ug/L		71	32 - 124	
Acenaphthene	<0.19		19.1	15.4		ug/L		81	47 - 145	
Acenaphthylene	<0.19		19.1	15.4		ug/L		81	33 - 145	
Anthracene	<0.19		19.1	15.6		ug/L		82	27 - 133	
Benzo[a]anthracene	<0.19		19.1	15.1		ug/L		79	33 - 143	
Benzo[a]pyrene	<0.19		19.1	15.1		ug/L		79	17 - 163	
Benzo[b]fluoranthene	<0.19		19.1	15.2		ug/L		79	24 - 159	
Benzo[g,h,i]perylene	<0.19		19.1	15.8		ug/L		83	1 - 219	
Benzo[k]fluoranthene	<0.19		19.1	16.1		ug/L		84	11 - 162	
Chrysene	<0.19		19.1	15.9		ug/L		83	17 - 168	
Dibenz(a,h)anthracene	<0.19		19.1	15.7		ug/L		82	1 - 227	
Fluoranthene	<0.19		19.1	16.4		ug/L		86	26 - 137	
Fluorene	<0.19	*	19.1	16.1		ug/L		84	59 - 121	
Indeno[1,2,3-cd]pyrene	<0.19		19.1	14.6		ug/L		76	1 - 171	
Naphthalene	<0.19		19.1	13.6		ug/L		71	21 - 133	
Phenanthrene	<0.19		19.1	15.8		ug/L		83	54 - 120	
Pyrene	<0.19	*	19.1	15.7		ug/L		82	52 - 120	

QC Sample Results

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

Job ID: 380-171895-1
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: 380-171895-1 MS
Matrix: Drinking Water
Analysis Batch: 630004

Client Sample ID: HALAWA WELLS UNITS 1 & 2 (331-206-TP065)
Prep Type: Total/NA
Prep Batch: 627171

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol (Surr)	79		28 - 127
2-Fluorobiphenyl (Surr)	74		31 - 120
2-Fluorophenol (Surr)	54		17 - 120
Nitrobenzene d5 (Surr)	65		27 - 120
Phenol-d6 (Surr)	36		10 - 120
p-Terphenyl-d14 (Surr)	76		45 - 120

Lab Sample ID: 380-171895-1 MSD
Matrix: Drinking Water
Analysis Batch: 630004

Client Sample ID: HALAWA WELLS UNITS 1 & 2 (331-206-TP065)
Prep Type: Total/NA
Prep Batch: 627171

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD MSD		Unit	D	%Rec	%Rec		RPD	Limit
				Result	Qualifier				Limits	RPD		
1-Methylnaphthalene	<0.19		19.2	14.8		ug/L		77	36 - 120	8	30	
2-Methylnaphthalene	<0.19		19.2	14.4		ug/L		75	32 - 124	7	30	
Acenaphthene	<0.19		19.2	16.7		ug/L		87	47 - 145	8	48	
Acenaphthylene	<0.19		19.2	16.7		ug/L		87	33 - 145	8	74	
Anthracene	<0.19		19.2	17.1		ug/L		89	27 - 133	9	66	
Benzo[a]anthracene	<0.19		19.2	16.5		ug/L		86	33 - 143	9	53	
Benzo[a]pyrene	<0.19		19.2	16.3		ug/L		85	17 - 163	8	72	
Benzo[b]fluoranthene	<0.19		19.2	16.8		ug/L		88	24 - 159	10	71	
Benzo[g,h,i]perylene	<0.19		19.2	17.5		ug/L		91	1 - 219	10	97	
Benzo[k]fluoranthene	<0.19		19.2	17.1		ug/L		89	11 - 162	6	63	
Chrysene	<0.19		19.2	17.4		ug/L		91	17 - 168	9	87	
Dibenz(a,h)anthracene	<0.19		19.2	17.3		ug/L		90	1 - 227	10	126	
Fluoranthene	<0.19		19.2	18.1		ug/L		95	26 - 137	10	66	
Fluorene	<0.19	*	19.2	17.4		ug/L		91	59 - 121	8	38	
Indeno[1,2,3-cd]pyrene	<0.19		19.2	16.1		ug/L		84	1 - 171	10	99	
Naphthalene	<0.19		19.2	13.9		ug/L		72	21 - 133	2	65	
Phenanthrene	<0.19		19.2	17.4		ug/L		91	54 - 120	10	39	
Pyrene	<0.19	*	19.2	17.3		ug/L		90	52 - 120	10	49	

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol (Surr)	86		28 - 127
2-Fluorobiphenyl (Surr)	80		31 - 120
2-Fluorophenol (Surr)	61		17 - 120
Nitrobenzene-d5 (Surr)	70		27 - 120
Phenol-d6 (Surr)	42		10 - 120
p-Terphenyl-d14 (Surr)	83		45 - 120

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

Lab Sample ID: MB 570-628809/6
Matrix: Water
Analysis Batch: 628809

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			09/22/25 11:06	1

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-171895-1
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 570-628809/6
Matrix: Water
Analysis Batch: 628809

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

Surrogate	MB MB %Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		38 - 134		09/22/25 11:06	1

Lab Sample ID: LCS 570-628809/4
Matrix: Water
Analysis Batch: 628809

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (C4-C13)	400	444		ug/L		111	78 - 120

Surrogate	LCS LCS %Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		38 - 134

Lab Sample ID: LCSD 570-628809/5
Matrix: Water
Analysis Batch: 628809

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)	400	416		ug/L		104	78 - 120	6	10

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

Lab Sample ID: MRL 570-628809/3
Matrix: Water
Analysis Batch: 628809

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (C4-C13)	10.0	14.6		ug/L		146	50 - 150

Surrogate	MRL MRL %Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	88		38 - 134

Lab Sample ID: 380-171895-1 MS
Matrix: Drinking Water
Analysis Batch: 628809

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (C4-C13)	<10		400	409		ug/L		102	68 - 122

Surrogate	MS MS %Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		38 - 134

QC Sample Results

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

Job ID: 380-171895-1
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: 380-171895-1 MSD
Matrix: Drinking Water
Analysis Batch: 628809

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	418		ug/L		104	68 - 122	2	18
Surrogate	%Recovery	MSD Qualifier	MSD Limits								
4-Bromofluorobenzene (Surr)	95		38 - 134								

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

Lab Sample ID: MB 570-628483/1-A
Matrix: Water
Analysis Batch: 632398

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 628483

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<25		25	ug/L		09/20/25 10:15	09/29/25 01:39	1
Motor Oil Range Organics [C24-C36]	<25		25	ug/L		09/20/25 10:15	09/29/25 01:39	1
C8-C18	<25		25	ug/L		09/20/25 10:15	09/29/25 01:39	1
Surrogate	%Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac		
n-Octacosane (Surr)	88		60 - 130	09/20/25 10:15	09/29/25 01:39	1		

Lab Sample ID: LCS 570-628483/2-A
Matrix: Water
Analysis Batch: 632398

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 628483

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
C10-C28	1600	1820		ug/L		114	56 - 127
Surrogate	%Recovery	LCS Qualifier	LCS Limits				
n-Octacosane (Surr)	96		60 - 130				

Lab Sample ID: LCSD 570-628483/3-A
Matrix: Water
Analysis Batch: 632398

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 628483

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28	1600	1740		ug/L		109	56 - 127	4	23
Surrogate	%Recovery	LCSD Qualifier	LCSD Limits						
n-Octacosane (Surr)	94		60 - 130						

Lab Sample ID: MRL 570-628483/4-A
Matrix: Water
Analysis Batch: 632398

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 628483

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
C10-C28	0.0250	0.0228	J	mg/L		91	50 - 150

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-171895-1
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 570-628483/4-A
Matrix: Water
Analysis Batch: 632398

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 628483

Surrogate	MRL %Recovery	MRL Qualifier	Limits
<i>n</i> -Octacosane (Surr)	82		60 - 130

Lab Sample ID: 380-171895-1 MS
Matrix: Drinking Water
Analysis Batch: 632398

Client Sample ID: HALAWA WELLS UNITS 1 & 2 (331-206-TP065)
Prep Type: Total/NA
Prep Batch: 628483

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
C10-C28	<26		1640	1910		ug/L		116	70 - 130	
Surrogate	MS %Recovery	MS Qualifier	Limits							
<i>n</i> -Octacosane (Surr)	96		60 - 130							

Lab Sample ID: 380-171895-1 MSD
Matrix: Drinking Water
Analysis Batch: 632398

Client Sample ID: HALAWA WELLS UNITS 1 & 2 (331-206-TP065)
Prep Type: Total/NA
Prep Batch: 628483

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD Limit	
C10-C28	<26		1650	1890		ug/L		115	70 - 130	1 / 20	
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
<i>n</i> -Octacosane (Surr)	94		60 - 130								

Lab Sample ID: MB 570-628965/1-A
Matrix: Water
Analysis Batch: 632398

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 628965

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<25		25	ug/L		09/22/25 11:41	09/29/25 06:59	1
Motor Oil Range Organics [C24-C36]	<25		25	ug/L		09/22/25 11:41	09/29/25 06:59	1
C8-C18	<25		25	ug/L		09/22/25 11:41	09/29/25 06:59	1
Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac		
<i>n</i> -Octacosane (Surr)	95		60 - 130	09/22/25 11:41	09/29/25 06:59	1		

Lab Sample ID: LCS 570-628965/2-A
Matrix: Water
Analysis Batch: 632398

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 628965

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
C10-C28	1600	1580		ug/L		98	56 - 127
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
<i>n</i> -Octacosane (Surr)	91		60 - 130				

QC Sample Results

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

Job ID: 380-171895-1
 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: LCSD 570-628965/3-A
Matrix: Water
Analysis Batch: 632398

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 628965

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
C10-C28	1600	1710		ug/L		107	56 - 127	8	23
LCSD LCSD									
Surrogate	%Recovery	Qualifier	Limits						
<i>n-Octacosane (Surr)</i>	92		60 - 130						

Lab Sample ID: MRL 570-628965/4-A
Matrix: Water
Analysis Batch: 632398

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 628965

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28	0.0200	0.0287		mg/L		144	50 - 150		
MRL MRL									
Surrogate	%Recovery	Qualifier	Limits						
<i>n-Octacosane (Surr)</i>	100		60 - 130						

QC Association Summary

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

Job ID: 380-171895-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)/Aiea
Wells Pumps 1&2 P2

GC/MS Semi VOA

Prep Batch: 175529

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-171895-1	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP01	Total/NA	Drinking Water	525.2	
380-171895-3	AIEA WELLS PUMPS 1&2 P2 (260) (331-203-TP	Total/NA	Water	525.2	
MB 380-175529/20-A	Method Blank	Total/NA	Water	525.2	
LCS 380-175529/22-A	Lab Control Sample	Total/NA	Water	525.2	
MRL 380-175529/21-A	Lab Control Sample	Total/NA	Water	525.2	
380-171895-1 MS	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP01	Total/NA	Drinking Water	525.2	
380-171885-I-1-A DU	Duplicate	Total/NA	Water	525.2	

Analysis Batch: 175685

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-171895-1	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP01	Total/NA	Drinking Water	525.2	175529
380-171895-3	AIEA WELLS PUMPS 1&2 P2 (260) (331-203-TP	Total/NA	Water	525.2	175529
MB 380-175529/20-A	Method Blank	Total/NA	Water	525.2	175529
LCS 380-175529/22-A	Lab Control Sample	Total/NA	Water	525.2	175529
MRL 380-175529/21-A	Lab Control Sample	Total/NA	Water	525.2	175529
380-171895-1 MS	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP01	Total/NA	Drinking Water	525.2	175529
380-171885-I-1-A DU	Duplicate	Total/NA	Water	525.2	175529

Prep Batch: 627171

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-171895-1	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP01	Total/NA	Drinking Water	625.1	
380-171895-3	AIEA WELLS PUMPS 1&2 P2 (260) (331-203-TP	Total/NA	Water	625.1	
MB 570-627171/1-A	Method Blank	Total/NA	Water	625.1	
LCS 570-627171/2-A	Lab Control Sample	Total/NA	Water	625.1	
LCSD 570-627171/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	
380-171895-1 MS	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	Total/NA	Drinking Water	625.1	
380-171895-1 MSD	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	Total/NA	Drinking Water	625.1	

Analysis Batch: 630004

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-171895-1	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP01	Total/NA	Drinking Water	625.1 SIM	627171
380-171895-3	AIEA WELLS PUMPS 1&2 P2 (260) (331-203-TP	Total/NA	Water	625.1 SIM	627171
MB 570-627171/1-A	Method Blank	Total/NA	Water	625.1 SIM	627171
LCS 570-627171/2-A	Lab Control Sample	Total/NA	Water	625.1 SIM	627171
LCSD 570-627171/3-A	Lab Control Sample Dup	Total/NA	Water	625.1 SIM	627171
380-171895-1 MS	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	Total/NA	Drinking Water	625.1 SIM	627171
380-171895-1 MSD	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	Total/NA	Drinking Water	625.1 SIM	627171

Analysis Batch: 635518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-171895-1	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP01	Total/NA	Drinking Water	625.1	627171
380-171895-3	AIEA WELLS PUMPS 1&2 P2 (260) (331-203-TP	Total/NA	Water	625.1	627171
MB 570-627171/1-A	Method Blank	Total/NA	Water	625.1	627171

GC VOA

Analysis Batch: 628809

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-171895-1	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP01	Total/NA	Drinking Water	8015B GRO LL	
380-171895-2	TB: HALAWA WELLS UNITS 1 & 2 (331-206-TPC	Total/NA	Drinking Water	8015B GRO LL	

QC Association Summary

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

Job ID: 380-171895-1
 SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)/Aiea
 Wells Pumps 1&2 P2

GC VOA (Continued)

Analysis Batch: 628809 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-171895-3	AIEA WELLS PUMPS 1&2 P2 (260) (331-203-TP	Total/NA	Water	8015B GRO LL	
380-171895-4	TB: AIEA WELLS PUMPS 1&2 (260) (331-203-TF	Total/NA	Water	8015B GRO LL	
MB 570-628809/6	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-628809/4	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-628809/5	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-628809/3	Lab Control Sample	Total/NA	Water	8015B GRO LL	
380-171895-1 MS	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	Total/NA	Drinking Water	8015B GRO LL	
380-171895-1 MSD	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	Total/NA	Drinking Water	8015B GRO LL	

GC Semi VOA

Prep Batch: 628483

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-171895-1	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)	Total/NA	Drinking Water	3510C	
MB 570-628483/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-628483/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-628483/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MRL 570-628483/4-A	Lab Control Sample	Total/NA	Water	3510C	
380-171895-1 MS	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	Total/NA	Drinking Water	3510C	
380-171895-1 MSD	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	Total/NA	Drinking Water	3510C	

Prep Batch: 628965

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-171895-3	AIEA WELLS PUMPS 1&2 P2 (260) (331-203-TP	Total/NA	Water	3510C	
MB 570-628965/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-628965/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-628965/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MRL 570-628965/4-A	Lab Control Sample	Total/NA	Water	3510C	

Analysis Batch: 632398

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-171895-1	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)	Total/NA	Drinking Water	8015B	628483
380-171895-3	AIEA WELLS PUMPS 1&2 P2 (260) (331-203-TP	Total/NA	Water	8015B	628965
MB 570-628483/1-A	Method Blank	Total/NA	Water	8015B	628483
MB 570-628965/1-A	Method Blank	Total/NA	Water	8015B	628965
LCS 570-628483/2-A	Lab Control Sample	Total/NA	Water	8015B	628483
LCS 570-628965/2-A	Lab Control Sample	Total/NA	Water	8015B	628965
LCSD 570-628483/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	628483
LCSD 570-628965/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	628965
MRL 570-628483/4-A	Lab Control Sample	Total/NA	Water	8015B	628483
MRL 570-628965/4-A	Lab Control Sample	Total/NA	Water	8015B	628965
380-171895-1 MS	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	Total/NA	Drinking Water	8015B	628483
380-171895-1 MSD	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	Total/NA	Drinking Water	8015B	628483

Lab Chronicle

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

Job ID: 380-171895-1
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: 380-171895-1

**Date Collected: 09/15/25 10:33
Date Received: 09/17/25 09:33**

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			175529	KRD3	EA POM	09/22/25 11:12
Total/NA	Analysis	525.2		1	175685	UPAC	EA POM	09/23/25 12:51
Total/NA	Prep	625.1			627171	H1SH	EET CAL 4	09/18/25 04:51
Total/NA	Analysis	625.1		1	635518	CG	EET CAL 4	10/04/25 11:23
Total/NA	Prep	625.1			627171	H1SH	EET CAL 4	09/18/25 04:51
Total/NA	Analysis	625.1 SIM		1	630004	J7WE	EET CAL 4	09/24/25 00:50
Total/NA	Analysis	8015B GRO LL		1	628809	YD9V	EET CAL 4	09/22/25 11:55
Total/NA	Prep	3510C			628483	TVD6	EET CAL 4	09/20/25 10:16
Total/NA	Analysis	8015B		1	632398	H6FE	EET CAL 4	09/29/25 05:12

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

Lab Sample ID: 380-171895-2

**Date Collected: 09/15/25 10:33
Date Received: 09/17/25 09:33**

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	628809	YD9V	EET CAL 4	09/22/25 17:17

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

Lab Sample ID: 380-171895-3

**Date Collected: 09/15/25 11:43
Date Received: 09/17/25 09:33**

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			175529	KRD3	EA POM	09/22/25 11:12
Total/NA	Analysis	525.2		1	175685	UPAC	EA POM	09/23/25 13:32
Total/NA	Prep	625.1			627171	H1SH	EET CAL 4	09/18/25 04:51
Total/NA	Analysis	625.1		1	635518	CG	EET CAL 4	10/04/25 12:07
Total/NA	Prep	625.1			627171	H1SH	EET CAL 4	09/18/25 04:51
Total/NA	Analysis	625.1 SIM		1	630004	J7WE	EET CAL 4	09/24/25 01:13
Total/NA	Analysis	8015B GRO LL		1	628809	YD9V	EET CAL 4	09/22/25 12:55
Total/NA	Prep	3510C			628965	TVD6	EET CAL 4	09/22/25 11:41
Total/NA	Analysis	8015B		1	632398	H6FE	EET CAL 4	09/29/25 08:24

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

Lab Sample ID: 380-171895-4

**Date Collected: 09/15/25 11:43
Date Received: 09/17/25 09:33**

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	628809	YD9V	EET CAL 4	09/22/25 17:37

Lab Chronicle

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

Job ID: 380-171895-1
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

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Accreditation/Certification Summary

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

Job ID: 380-171895-1
 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: 380-171895-1
 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
Washington	State	C916	10-11-25

Method Summary

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

Job ID: 380-171895-1
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: 380-171895-1
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
380-171895-1	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)	Drinking Water	09/15/25 10:33	09/17/25 09:33	HI0000331
380-171895-2	TB: HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	Drinking Water	09/15/25 10:33	09/17/25 09:33	
380-171895-3	AIEA WELLS PUMPS 1&2 P2 (260) (331-203-TP400)	Water	09/15/25 11:43	09/17/25 09:33	HI0000331
380-171895-4	TB: AIEA WELLS PUMPS 1&2 (260) (331-203-TP400)	Water	09/15/25 11:43	09/17/25 09:33	

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

SHIP DATE: 16SEP25
ACTWGT 58.00 LB
CAD 258050552/INET4535

BILL RECIPIENT

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

POMONA CA 91768

(626) 386-1100 REF.

58GJ3/780E/59F2

DEPT



2551025052301uv

WED - 17 SEP 10:30A
PRIORITY OVERNIGHT

2 of 6

MPS# 8844 2499 1090

0263

Mstr# 8844 2499 1080

91768

WM ONTA

CA-US ONT



(b3/A) 1-2+0012 gdt frozen
Newark Markkinnon 9/17/25 933

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

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Eurofins Eaton Analytical Pomona

941 Corporate Center Drive
Pomona, CA 91768-2642
Phone: 626-388-1100

Chain of Custody Record



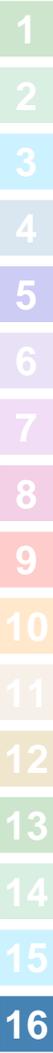
eurofins

Envl

Loc: 380
171895

Client Information (Sub Contract Lab)		Sampler: N/A		Lab PAt: Lopez, Maria		Carrier Tracking No(s): N/A		COC No: 380-254214.1	
Client Contact: Shipping/Receiving		Phone: N/A		E-Mail: Maria.Lopez@et.eurofins.com		State of Origin: Hawaii		Page: Page 1 of 1	
Company: Eurofins Environment Testing Southwest				Accreditations Required (See note): State - Hawaii				Job #: 380-171895-1	
Address: 2841 Dow Avenue, Suite 100,		Due Date Requested: 9/30/2025		Analysis Requested				Preservation Codes:	
City: Tustin		TAT Requested (days): N/A							
State, Zip: CA, 92780		PO #: N/A		Field #/Field Sample (Water No) # 3016B_DHO_LL_C526510C_LLHNL Ranges: C10-C24/C24-C38/C38-C18 626.1_S11626_Prep(100) Extended PAH List 3016B_GRO_LLJ659C(MOD) GRO		380-171895 Chain of Custody		Other: N/A	
Phone: 714-895-5494(Tel)		WO #: N/A							
Email: N/A		Project #: 38001111							
Project Name: RED-HILL		SSOW#: N/A							
Site: Honolulu BWS Sites									
Sample Identification - Client ID (Lab ID)		Sample Date		Sample Time		Sample Type (C=comp, G=grab)		Matrix (Water, Solid, Sewer/Wall, BT+Tissue, A+B)	
								Special Instructions/Note:	
HALAWA WELLS UNITS 1 & 2 (331-206-TP065) (380-171895-1)		9/15/25		10:33 Hawaiian		G Water		X X X MRLs are needed. Confirm any hits >RL.	
HALAWA WELLS UNITS 1 & 2 (331-206-TP065) (380-171895-1M)		9/15/25		10:33 Hawaiian		G Water		X X X MRLs are needed. Confirm any hits >RL.	
HALAWA WELLS UNITS 1 & 2 (331-206-TP065) (380-171895-1M)		9/15/25		10:33 Hawaiian		G Water		X X X MRLs are needed. Confirm any hits >RL.	
TB: HALAWA WELLS UNITS 1 & 2 (331-206-TP065) (380-171895-1M)		9/15/25		10:33 Hawaiian		G Water		X MRLs are needed.	
AIEA WELLS PUMPS 1&2 (260) (331-203-TP400) (380-171895-3)		9/15/25		11:43 Hawaiian		G Water		X X X MRLs are needed. Confirm any hits >RL.	
TB: AIEA WELLS PUMPS 1&2 (260) (331-203-TP400) (380-171895-3)		9/15/25		11:43 Hawaiian		G Water		X 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/tests/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: <i>Manoel Madalencio</i>		Date/Time: 9/17/25 1610		Company: <i>EXAP</i>		Received by: <i>[Signature]</i>		Date/Time: 9-17-25 1610	
Relinquished by: <i>[Signature]</i>		Date/Time: 9-17-25 1728		Company: <i>WY</i>		Received by: <i>[Signature]</i>		Date/Time: 9/17/25 1728	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 2.0 / 2.0 IP92					

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Login Sam|

Client: City & County of Honolulu

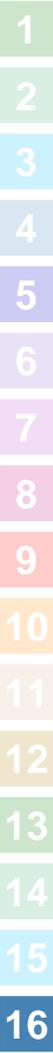
SDG Numt

Login Number: 171895
List Number: 1
Creator: Segura, Ryan

Question

The coolers custody seal, if present, is intact.
Sample custody seals, if present, are intact.
Samples were received on ice.
Cooler(s) Temperature is acceptable.
Cooler(s) Temperature is recorded.

Eurofins Eaton Analytical Pomona



Login Sam|

Client: City & County of Honolulu

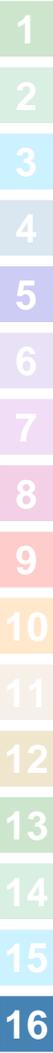
SDG Numt

Login Number: 171895
List Number: 1
Creator: Segura, Ryan

Question

COC is present.
COC is filled out in ink and is legible.
COC is filled out with all pertinent information.
There are no discrepancies between the containers received an
Samples are received within Holding Time (excluding tests with HTs)

Eurofins Eaton Analytical Pomona



Login Sam|

Client: City & County of Honolulu

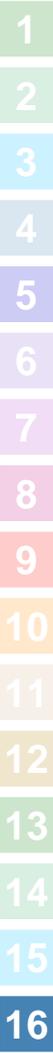
SDG Numt

Login Number: 171895
List Number: 1
Creator: Segura, Ryan

Question

Sample containers have legible labels.
Containers are not broken or leaking.
Sample collection date/times are provided.
There is sufficient vol. for all requested analyses, incl. any requ
MS/MSDs

Eurofins Eaton Analytical Pomona



Login Sam|

Client: City & County of Honolulu

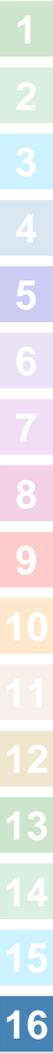
SDG Numt

Login Number: 171895
List Number: 1
Creator: Segura, Ryan

Question

Containers requiring zero headspace have no headspace or but (1/4").
ClO4 headspace requirement met (>50% for CA, >30% for othe
Samples do not require splitting or compositing.
Container provided by EEA

Eurofins Eaton Analytical Pomona



Login Sam|

Client: City & County of Honolulu

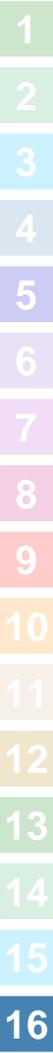
SDG Numt

Login Number: 171895
List Number: 2
Creator: Khana, Piyush

Question

Radioactivity wasn't checked or is \leq background as measured meter.
The cooler's custody seal, if present, is intact.
Sample custody seals, if present, are intact.
The cooler or samples do not appear to have been compromise tampered with.

Eurofins Eaton Analytical Pomona



Login Sam|

Client: City & County of Honolulu

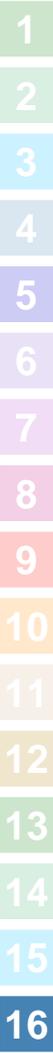
SDG Numt

Login Number: 171895
List Number: 2
Creator: Khana, Piyush

Question

- Samples were received on ice.
- Cooler Temperature is acceptable.
- Cooler Temperature is recorded.
- COC is present.
- COC is filled out in ink and legible.

Eurofins Eaton Analytical Pomona



Login Sam|

Client: City & County of Honolulu

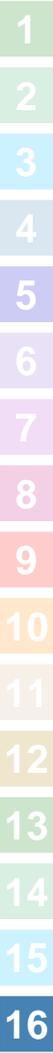
SDG Numt

Login Number: 171895
List Number: 2
Creator: Khana, Piyush

Question

COC is filled out with all pertinent information.
Is the Field Sampler's name present on COC?
There are no discrepancies between the containers received an
Samples are received within Holding Time (excluding tests with
HTs)
Sample containers have legible labels.

Eurofins Eaton Analytical Pomona



Login Sam|

Client: City & County of Honolulu

SDG Numt

Login Number: 171895
List Number: 2
Creator: Khana, Piyush

Question

- Containers are not broken or leaking.
- Sample collection date/times are provided.
- Appropriate sample containers are used.
- Sample bottles are completely filled.
- Sample Preservation Verified.

Eurofins Eaton Analytical Pomona



Login Sample

Client: City & County of Honolulu

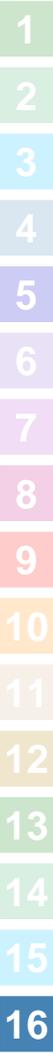
SDG Number

Login Number: 171895
List Number: 2
Creator: Khana, Piyush

Question

There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs
Containers requiring zero headspace have no headspace or but (1/4").
Multiphase samples are not present.
Samples do not require splitting or compositing.

Eurofins Eaton Analytical Pomona



Login Sam|

Client: City & County of Honolulu

SDG Numt

Login Number: 171895
List Number: 2
Creator: Khana, Piyush

Question

Residual Chlorine Checked.

Eurofins Eaton Analytical Pomona