

ANALYTICAL REPORT

PREPARED FOR

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JOB DESCRIPTION

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

JOB NUMBER

380-170493-1

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: 380-170493-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)/Aiea
Wells Pumps 1&2 P2

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
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
^3+	Reporting Limit Check Standard is outside acceptance limits, high biased

Glossary

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

Case Narrative

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

Job ID: 380-170493-1

Job ID: 380-170493-1

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Job Narrative 380-170493-1

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 9/10/2025 9:35 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 0.7°C and 1.1°C.

Receipt Exceptions

Method 625.1 and 625.1_SIM for AIEA WELLS PUMPS 1&2 P2 (260) (331-203-TP400) (380-170493-2) collected on 09/08/25 is a resample for AIEA WELLS PUMPS 1&2 (260) P2 (331-203-TP400) (380-169530-3) collected on 09/02/25. (XWB4)

AIEA WELLS PUMPS 1&2 P2 (260) (331-203-TP400) (380-170493-2)

GC/MS Semi VOA

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

Gasoline Range Organics

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

Diesel Range Organics

Method 8015B_DRO_LL_CS: The method reporting limit check (MRL) for preparation batch 570-625548 and analytical batch 570-626815 recovered outside control limits for the following analytes: C10-C28. These analytes were biased high in the MRL and were not detected in the associated samples; therefore, the data have been reported.

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

Detection Summary

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

Job ID: 380-170493-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)/Aiea
Wells Pumps 1&2 P2

Client Sample ID: HALAWA WELLS UNITS 1 & 2 P1

Lab Sample ID: 380-170493-1

(331-206-TP065)

PWSID Number: HI0000331

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin	0.030		0.0097	ug/L	1		525.2	Total/NA
Heptachlor epoxide (isomer B)	0.012		0.0097	ug/L	1		525.2	Total/NA

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

Lab Sample ID: 380-170493-2

(331-203-TP400)

PWSID Number: HI0000331

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin	0.014		0.0097	ug/L	1		525.2	Total/NA

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

Lab Sample ID: 380-170493-3

(331-206-TP065)

No Detections.

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

Lab Sample ID: 380-170493-4

(331-203-TP400)

No Detections.

This Detection Summary does not include radiochemical test results.

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Client Sample Results

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

Job ID: 380-170493-1
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: 380-170493-1

Date Collected: 09/08/25 10:24

Matrix: Drinking Water

Date Received: 09/10/25 09:35

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		09/11/25 09:20	09/12/25 11:25	1
2,4'-DDD	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 11:25	1
2,4'-DDE	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 11:25	1
2,4' DDT	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 11:25	1
2,4-Dinitrotoluene	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 11:25	1
2,6-Dinitrotoluene	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 11:25	1
2-Methylnaphthalene	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 11:25	1
4,4'-DDD	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 11:25	1
4,4'-DDE	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 11:25	1
4,4'-DDT	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 11:25	1
Acenaphthene	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 11:25	1
Acenaphthylene	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 11:25	1
Acetochlor	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 11:25	1
Alachlor	<0.049		0.049	ug/L		09/11/25 09:20	09/12/25 11:25	1
alpha-BHC	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 11:25	1
alpha-Chlordane	<0.049		0.049	ug/L		09/11/25 09:20	09/12/25 11:25	1
Anthracene	<0.019		0.019	ug/L		09/11/25 09:20	09/12/25 11:25	1
Atrazine	<0.049		0.049	ug/L		09/11/25 09:20	09/12/25 11:25	1
Benz(a)anthracene	<0.049		0.049	ug/L		09/11/25 09:20	09/12/25 11:25	1
Benzo[a]pyrene	<0.019		0.019	ug/L		09/11/25 09:20	09/12/25 11:25	1
Benzo[b]fluoranthene	<0.019		0.019	ug/L		09/11/25 09:20	09/12/25 11:25	1
Benzo[g,h,i]perylene	<0.049		0.049	ug/L		09/11/25 09:20	09/12/25 11:25	1
Benzo[k]fluoranthene	<0.019		0.019	ug/L		09/11/25 09:20	09/12/25 11:25	1
beta-BHC	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 11:25	1
Bis(2-ethylhexyl) phthalate	<0.58		0.58	ug/L		09/11/25 09:20	09/12/25 11:25	1
Bromacil	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 11:25	1
Butachlor	<0.049		0.049	ug/L		09/11/25 09:20	09/12/25 11:25	1
Butylbenzylphthalate	<0.49		0.49	ug/L		09/11/25 09:20	09/12/25 11:25	1
Chlorobenzilate	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 11:25	1
Chloroneb	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 11:25	1
Chlorothalonil (Draconil, Bravo)	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 11:25	1
Chlorpyrifos	<0.049		0.049	ug/L		09/11/25 09:20	09/12/25 11:25	1
Chrysene	<0.019		0.019	ug/L		09/11/25 09:20	09/12/25 11:25	1
delta-BHC	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 11:25	1
Di(2-ethylhexyl)adipate	<0.58		0.58	ug/L		09/11/25 09:20	09/12/25 11:25	1
Dibenz(a,h)anthracene	<0.049		0.049	ug/L		09/11/25 09:20	09/12/25 11:25	1
Diclorvos (DDVP)	<0.049		0.049	ug/L		09/11/25 09:20	09/12/25 11:25	1
Dieldrin	0.030		0.0097	ug/L		09/11/25 09:20	09/12/25 11:25	1
Diethylphthalate	<0.49		0.49	ug/L		09/11/25 09:20	09/12/25 11:25	1
Dimethylphthalate	<0.49		0.49	ug/L		09/11/25 09:20	09/12/25 11:25	1
Di-n-butyl phthalate	<0.97		0.97	ug/L		09/11/25 09:20	09/12/25 11:25	1
Di-n-octyl phthalate	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 11:25	1
Endosulfan I (Alpha)	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 11:25	1
Endosulfan II (Beta)	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 11:25	1
Endosulfan sulfate	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 11:25	1
Endrin	<0.0097		0.0097	ug/L		09/11/25 09:20	09/12/25 11:25	1
Endrin aldehyde	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 11:25	1

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Client Sample Results

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

Job ID: 380-170493-1
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: 380-170493-1

Date Collected: 09/08/25 10:24
Date Received: 09/10/25 09:35

Matrix: Drinking Water
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		09/11/25 09:20	09/12/25 11:25	1
Fluoranthene	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 11:25	1
Fluorene	<0.049		0.049	ug/L		09/11/25 09:20	09/12/25 11:25	1
gamma-Chlordane	0.049		0.049	ug/L		09/11/25 09:20	09/12/25 11:25	1
Heptachlor	<0.0097		0.0097	ug/L		09/11/25 09:20	09/12/25 11:25	1
Heptachlor epoxide (isomer B)	0.012		0.0097	ug/L		09/11/25 09:20	09/12/25 11:25	1
Hexachlorobenzene	<0.049		0.049	ug/L		09/11/25 09:20	09/12/25 11:25	1
Hexachlorocyclopentadiene	<0.049		0.049	ug/L		09/11/25 09:20	09/12/25 11:25	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049	ug/L		09/11/25 09:20	09/12/25 11:25	1
Isophorone	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 11:25	1
Lindane	<0.0097		0.0097	ug/L		09/11/25 09:20	09/12/25 11:25	1
Malathion	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 11:25	1
Methoxychlor	<0.049		0.049	ug/L		09/11/25 09:20	09/12/25 11:25	1
Metolachlor	<0.049		0.049	ug/L		09/11/25 09:20	09/12/25 11:25	1
Molinate	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 11:25	1
Naphthalene	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 11:25	1
Parathion	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 11:25	1
Pendimethalin (Penoxaline)	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 11:25	1
Phenanthrene	<0.039		0.039	ug/L		09/11/25 09:20	09/12/25 11:25	1
Propachlor	<0.049		0.049	ug/L		09/11/25 09:20	09/12/25 11:25	1
Pyrene	<0.049		0.049	ug/L		09/11/25 09:20	09/12/25 11:25	1
Simazine	<0.049		0.049	ug/L		09/11/25 09:20	09/12/25 11:25	1
Terbacil	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 11:25	1
Terbutylazine	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 11:25	1
Thiobencarb	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 11:25	1
Total Permethrin (mixed isomers)	<0.19		0.19	ug/L		09/11/25 09:20	09/12/25 11:25	1
trans-Nonachlor	<0.049		0.049	ug/L		09/11/25 09:20	09/12/25 11:25	1
Trifluralin	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 11:25	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A	09/11/25 09:20	09/12/25 11:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	99		70 - 130	09/11/25 09:20	09/12/25 11:25	1
Perylene-d12	88		70 - 130	09/11/25 09:20	09/12/25 11:25	1
Triphenylphosphate	108		70 - 130	09/11/25 09:20	09/12/25 11:25	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		09/15/25 04:33	09/17/25 19:31	1
2-Methylnaphthalene	<0.19		0.19	ug/L		09/15/25 04:33	09/17/25 19:31	1
Acenaphthene	<0.19		0.19	ug/L		09/15/25 04:33	09/17/25 19:31	1
Acenaphthylene	<0.19		0.19	ug/L		09/15/25 04:33	09/17/25 19:31	1
Anthracene	<0.19		0.19	ug/L		09/15/25 04:33	09/17/25 19:31	1
Benzo[a]anthracene	<0.19		0.19	ug/L		09/15/25 04:33	09/17/25 19:31	1
Benzo[a]pyrene	<0.19		0.19	ug/L		09/15/25 04:33	09/17/25 19:31	1
Benzo[b]fluoranthene	<0.19		0.19	ug/L		09/15/25 04:33	09/17/25 19:31	1
Benzo[g,h,i]perylene	<0.19		0.19	ug/L		09/15/25 04:33	09/17/25 19:31	1

Eurofins Eaton Analytical Pomona

Client Sample Results

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

Job ID: 380-170493-1
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: 380-170493-1

Date Collected: 09/08/25 10:24
Date Received: 09/10/25 09:35

Matrix: Drinking Water
PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	<0.19		0.19	ug/L		09/15/25 04:33	09/17/25 19:31	1
Chrysene	<0.19		0.19	ug/L		09/15/25 04:33	09/17/25 19:31	1
Dibenz(a,h)anthracene	<0.19		0.19	ug/L		09/15/25 04:33	09/17/25 19:31	1
Fluoranthene	<0.19		0.19	ug/L		09/15/25 04:33	09/17/25 19:31	1
Fluorene	<0.19		0.19	ug/L		09/15/25 04:33	09/17/25 19:31	1
Indeno[1,2,3-cd]pyrene	<0.19		0.19	ug/L		09/15/25 04:33	09/17/25 19:31	1
Naphthalene	<0.19		0.19	ug/L		09/15/25 04:33	09/17/25 19:31	1
Phenanthrene	<0.19		0.19	ug/L		09/15/25 04:33	09/17/25 19:31	1
Pyrene	<0.19		0.19	ug/L		09/15/25 04:33	09/17/25 19:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	85		28 - 127	09/15/25 04:33	09/17/25 19:31	1
2-Fluorobiphenyl (Surr)	79		31 - 120	09/15/25 04:33	09/17/25 19:31	1
2-Fluorophenol (Surr)	43		17 - 120	09/15/25 04:33	09/17/25 19:31	1
Nitrobenzene-d5 (Surr)	75		27 - 120	09/15/25 04:33	09/17/25 19:31	1
Phenol-d6 (Surr)	25		10 - 120	09/15/25 04:33	09/17/25 19:31	1
p-Terphenyl-d14 (Surr)	80		45 - 120	09/15/25 04:33	09/17/25 19:31	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	09/15/25 04:33	09/22/25 10:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	85		33 - 139	09/15/25 04:33	09/22/25 10:37	1
2-Fluorobiphenyl (Surr)	82		33 - 126	09/15/25 04:33	09/22/25 10:37	1
2-Fluorophenol (Surr)	47		12 - 120	09/15/25 04:33	09/22/25 10:37	1
Nitrobenzene-d5 (Surr)	85		36 - 120	09/15/25 04:33	09/22/25 10:37	1
Phenol-d6 (Surr)	27		10 - 120	09/15/25 04:33	09/22/25 10:37	1
p-Terphenyl-d14 (Surr)	88		47 - 131	09/15/25 04:33	09/22/25 10:37	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			09/13/25 16:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		38 - 134		09/13/25 16:46	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<26		26	ug/L		09/15/25 09:17	09/17/25 14:25	1
Motor Oil Range Organics [C24-C36]	<26		26	ug/L		09/15/25 09:17	09/17/25 14:25	1
C8-C18	<26		26	ug/L		09/15/25 09:17	09/17/25 14:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	101		60 - 130	09/15/25 09:17	09/17/25 14:25	1

Client Sample Results

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

Job ID: 380-170493-1
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: 380-170493-2

Date Collected: 09/08/25 11:36

Matrix: Drinking Water

Date Received: 09/10/25 09:35

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		09/11/25 09:20	09/12/25 12:45	1
2,4'-DDD	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 12:45	1
2,4'-DDE	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 12:45	1
2,4' DDT	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 12:45	1
2,4-Dinitrotoluene	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 12:45	1
2,6-Dinitrotoluene	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 12:45	1
2-Methylnaphthalene	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 12:45	1
4,4'-DDD	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 12:45	1
4,4'-DDE	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 12:45	1
4,4'-DDT	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 12:45	1
Acenaphthene	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 12:45	1
Acenaphthylene	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 12:45	1
Acetochlor	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 12:45	1
Alachlor	<0.048		0.048	ug/L		09/11/25 09:20	09/12/25 12:45	1
alpha-BHC	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 12:45	1
alpha-Chlordane	<0.048		0.048	ug/L		09/11/25 09:20	09/12/25 12:45	1
Anthracene	<0.019		0.019	ug/L		09/11/25 09:20	09/12/25 12:45	1
Atrazine	<0.048		0.048	ug/L		09/11/25 09:20	09/12/25 12:45	1
Benz(a)anthracene	<0.048		0.048	ug/L		09/11/25 09:20	09/12/25 12:45	1
Benzo[a]pyrene	<0.019		0.019	ug/L		09/11/25 09:20	09/12/25 12:45	1
Benzo[b]fluoranthene	<0.019		0.019	ug/L		09/11/25 09:20	09/12/25 12:45	1
Benzo[g,h,i]perylene	<0.048		0.048	ug/L		09/11/25 09:20	09/12/25 12:45	1
Benzo[k]fluoranthene	<0.019		0.019	ug/L		09/11/25 09:20	09/12/25 12:45	1
beta-BHC	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 12:45	1
Bis(2-ethylhexyl) phthalate	<0.58		0.58	ug/L		09/11/25 09:20	09/12/25 12:45	1
Bromacil	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 12:45	1
Butachlor	<0.048		0.048	ug/L		09/11/25 09:20	09/12/25 12:45	1
Butylbenzylphthalate	<0.48		0.48	ug/L		09/11/25 09:20	09/12/25 12:45	1
Chlorobenzilate	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 12:45	1
Chloroneb	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 12:45	1
Chlorothalonil (Draconil, Bravo)	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 12:45	1
Chlorpyrifos	<0.048		0.048	ug/L		09/11/25 09:20	09/12/25 12:45	1
Chrysene	<0.019		0.019	ug/L		09/11/25 09:20	09/12/25 12:45	1
delta-BHC	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 12:45	1
Di(2-ethylhexyl)adipate	<0.58		0.58	ug/L		09/11/25 09:20	09/12/25 12:45	1
Dibenz(a,h)anthracene	<0.048		0.048	ug/L		09/11/25 09:20	09/12/25 12:45	1
Diclorvos (DDVP)	<0.048		0.048	ug/L		09/11/25 09:20	09/12/25 12:45	1
Dieldrin	0.014		0.0097	ug/L		09/11/25 09:20	09/12/25 12:45	1
Diethylphthalate	<0.48		0.48	ug/L		09/11/25 09:20	09/12/25 12:45	1
Dimethylphthalate	<0.48		0.48	ug/L		09/11/25 09:20	09/12/25 12:45	1
Di-n-butyl phthalate	<0.97		0.97	ug/L		09/11/25 09:20	09/12/25 12:45	1
Di-n-octyl phthalate	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 12:45	1
Endosulfan I (Alpha)	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 12:45	1
Endosulfan II (Beta)	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 12:45	1
Endosulfan sulfate	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 12:45	1
Endrin	<0.0097		0.0097	ug/L		09/11/25 09:20	09/12/25 12:45	1
Endrin aldehyde	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 12:45	1

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Client Sample Results

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

Job ID: 380-170493-1
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: 380-170493-2

Date Collected: 09/08/25 11:36
Date Received: 09/10/25 09:35

Matrix: Drinking Water
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		09/11/25 09:20	09/12/25 12:45	1
Fluoranthene	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 12:45	1
Fluorene	<0.048		0.048	ug/L		09/11/25 09:20	09/12/25 12:45	1
gamma-Chlordane	0.048		0.048	ug/L		09/11/25 09:20	09/12/25 12:45	1
Heptachlor	<0.0097		0.0097	ug/L		09/11/25 09:20	09/12/25 12:45	1
Heptachlor epoxide (isomer B)	<0.0097		0.0097	ug/L		09/11/25 09:20	09/12/25 12:45	1
Hexachlorobenzene	<0.048		0.048	ug/L		09/11/25 09:20	09/12/25 12:45	1
Hexachlorocyclopentadiene	<0.048		0.048	ug/L		09/11/25 09:20	09/12/25 12:45	1
Indeno[1,2,3-cd]pyrene	<0.048		0.048	ug/L		09/11/25 09:20	09/12/25 12:45	1
Isophorone	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 12:45	1
Lindane	<0.0097		0.0097	ug/L		09/11/25 09:20	09/12/25 12:45	1
Malathion	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 12:45	1
Methoxychlor	<0.048		0.048	ug/L		09/11/25 09:20	09/12/25 12:45	1
Metolachlor	<0.048		0.048	ug/L		09/11/25 09:20	09/12/25 12:45	1
Molinate	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 12:45	1
Naphthalene	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 12:45	1
Parathion	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 12:45	1
Pendimethalin (Penoxaline)	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 12:45	1
Phenanthrene	<0.039		0.039	ug/L		09/11/25 09:20	09/12/25 12:45	1
Propachlor	<0.048		0.048	ug/L		09/11/25 09:20	09/12/25 12:45	1
Pyrene	<0.048		0.048	ug/L		09/11/25 09:20	09/12/25 12:45	1
Simazine	<0.048		0.048	ug/L		09/11/25 09:20	09/12/25 12:45	1
Terbacil	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 12:45	1
Terbutylazine	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 12:45	1
Thiobencarb	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 12:45	1
Total Permethrin (mixed isomers)	<0.19		0.19	ug/L		09/11/25 09:20	09/12/25 12:45	1
trans-Nonachlor	<0.048		0.048	ug/L		09/11/25 09:20	09/12/25 12:45	1
Trifluralin	<0.097		0.097	ug/L		09/11/25 09:20	09/12/25 12:45	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A	09/11/25 09:20	09/12/25 12:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	98		70 - 130	09/11/25 09:20	09/12/25 12:45	1
Perylene-d12	90		70 - 130	09/11/25 09:20	09/12/25 12:45	1
Triphenylphosphate	104		70 - 130	09/11/25 09:20	09/12/25 12:45	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		09/15/25 04:33	09/17/25 19:53	1
2-Methylnaphthalene	<0.19		0.19	ug/L		09/15/25 04:33	09/17/25 19:53	1
Acenaphthene	<0.19		0.19	ug/L		09/15/25 04:33	09/17/25 19:53	1
Acenaphthylene	<0.19		0.19	ug/L		09/15/25 04:33	09/17/25 19:53	1
Anthracene	<0.19		0.19	ug/L		09/15/25 04:33	09/17/25 19:53	1
Benzo[a]anthracene	<0.19		0.19	ug/L		09/15/25 04:33	09/17/25 19:53	1
Benzo[a]pyrene	<0.19		0.19	ug/L		09/15/25 04:33	09/17/25 19:53	1
Benzo[b]fluoranthene	<0.19		0.19	ug/L		09/15/25 04:33	09/17/25 19:53	1
Benzo[g,h,i]perylene	<0.19		0.19	ug/L		09/15/25 04:33	09/17/25 19:53	1

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Client Sample Results

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

Job ID: 380-170493-1
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: 380-170493-2

Date Collected: 09/08/25 11:36
Date Received: 09/10/25 09:35

Matrix: Drinking Water
PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	<0.19		0.19	ug/L		09/15/25 04:33	09/17/25 19:53	1
Chrysene	<0.19		0.19	ug/L		09/15/25 04:33	09/17/25 19:53	1
Dibenz(a,h)anthracene	<0.19		0.19	ug/L		09/15/25 04:33	09/17/25 19:53	1
Fluoranthene	<0.19		0.19	ug/L		09/15/25 04:33	09/17/25 19:53	1
Fluorene	<0.19		0.19	ug/L		09/15/25 04:33	09/17/25 19:53	1
Indeno[1,2,3-cd]pyrene	<0.19		0.19	ug/L		09/15/25 04:33	09/17/25 19:53	1
Naphthalene	<0.19		0.19	ug/L		09/15/25 04:33	09/17/25 19:53	1
Phenanthrene	<0.19		0.19	ug/L		09/15/25 04:33	09/17/25 19:53	1
Pyrene	<0.19		0.19	ug/L		09/15/25 04:33	09/17/25 19:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	86		28 - 127	09/15/25 04:33	09/17/25 19:53	1
2-Fluorobiphenyl (Surr)	80		31 - 120	09/15/25 04:33	09/17/25 19:53	1
2-Fluorophenol (Surr)	47		17 - 120	09/15/25 04:33	09/17/25 19:53	1
Nitrobenzene-d5 (Surr)	79		27 - 120	09/15/25 04:33	09/17/25 19:53	1
Phenol-d6 (Surr)	28		10 - 120	09/15/25 04:33	09/17/25 19:53	1
p-Terphenyl-d14 (Surr)	78		45 - 120	09/15/25 04:33	09/17/25 19:53	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	09/15/25 04:33	09/22/25 11:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	82		33 - 139	09/15/25 04:33	09/22/25 11:01	1
2-Fluorobiphenyl (Surr)	84		33 - 126	09/15/25 04:33	09/22/25 11:01	1
2-Fluorophenol (Surr)	54		12 - 120	09/15/25 04:33	09/22/25 11:01	1
Nitrobenzene-d5 (Surr)	88		36 - 120	09/15/25 04:33	09/22/25 11:01	1
Phenol-d6 (Surr)	29		10 - 120	09/15/25 04:33	09/22/25 11:01	1
p-Terphenyl-d14 (Surr)	86		47 - 131	09/15/25 04:33	09/22/25 11:01	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			09/13/25 19:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		38 - 134		09/13/25 19:22	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<25		25	ug/L		09/15/25 09:17	09/17/25 14:47	1
Motor Oil Range Organics [C24-C36]	<25		25	ug/L		09/15/25 09:17	09/17/25 14:47	1
C8-C18	<25		25	ug/L		09/15/25 09:17	09/17/25 14:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	98		60 - 130	09/15/25 09:17	09/17/25 14:47	1

Client Sample Results

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

Job ID: 380-170493-1
 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: 380-170493-3

Date Collected: 09/08/25 10:24
 Date Received: 09/10/25 09:35

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	-		09/13/25 22:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		38 - 134				09/13/25 22:42	1

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

Lab Sample ID: 380-170493-4

Date Collected: 09/08/25 11:36
 Date Received: 09/10/25 09:35

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	-		09/13/25 23:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		38 - 134				09/13/25 23:02	1

Action Limit Summary

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

Job ID: 380-170493-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)/Aiea
Wells Pumps 1&2 P2

Client Sample ID: HALAWA WELLS UNITS 1 & 2 P1

Lab Sample ID: 380-170493-1

(331-206-TP065)

PWSID Number: HI0000331

Compliance Check

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

Analyte	Result	Qualifier	Unit	EPAMCL		Method	Prep Type
				Limit	RL		
Alachlor	<0.049		ug/L	2	0.049	525.2	Total/NA
Atrazine	<0.049		ug/L	3	0.049	525.2	Total/NA
Benzo[a]pyrene	<0.019		ug/L	0.2	0.019	525.2	Total/NA
Bis(2-ethylhexyl) phthalate	<0.58		ug/L	6	0.58	525.2	Total/NA
Di(2-ethylhexyl)adipate	<0.58		ug/L	400	0.58	525.2	Total/NA
Endrin	<0.0097		ug/L	2	0.0097	525.2	Total/NA
Heptachlor	<0.0097		ug/L	0.4	0.0097	525.2	Total/NA
Heptachlor epoxide (isomer B)	0.012		ug/L	0.2	0.0097	525.2	Total/NA
Hexachlorobenzene	<0.049		ug/L	1	0.049	525.2	Total/NA
Hexachlorocyclopentadiene	<0.049		ug/L	50	0.049	525.2	Total/NA
Lindane	<0.0097		ug/L	0.2	0.0097	525.2	Total/NA
Methoxychlor	<0.049		ug/L	40	0.049	525.2	Total/NA
Simazine	<0.049		ug/L	4	0.049	525.2	Total/NA
Benzo[a]pyrene	<0.19		ug/L	0.2	0.19	625.1 SIM	Total/NA

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

Lab Sample ID: 380-170493-2

(331-203-TP400)

PWSID Number: HI0000331

Compliance Check

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

Analyte	Result	Qualifier	Unit	EPAMCL		Method	Prep Type
				Limit	RL		
Alachlor	<0.048		ug/L	2	0.048	525.2	Total/NA
Atrazine	<0.048		ug/L	3	0.048	525.2	Total/NA
Benzo[a]pyrene	<0.019		ug/L	0.2	0.019	525.2	Total/NA
Bis(2-ethylhexyl) phthalate	<0.58		ug/L	6	0.58	525.2	Total/NA
Di(2-ethylhexyl)adipate	<0.58		ug/L	400	0.58	525.2	Total/NA
Endrin	<0.0097		ug/L	2	0.0097	525.2	Total/NA
Heptachlor	<0.0097		ug/L	0.4	0.0097	525.2	Total/NA
Heptachlor epoxide (isomer B)	<0.0097		ug/L	0.2	0.0097	525.2	Total/NA
Hexachlorobenzene	<0.048		ug/L	1	0.048	525.2	Total/NA
Hexachlorocyclopentadiene	<0.048		ug/L	50	0.048	525.2	Total/NA
Lindane	<0.0097		ug/L	0.2	0.0097	525.2	Total/NA
Methoxychlor	<0.048		ug/L	40	0.048	525.2	Total/NA
Simazine	<0.048		ug/L	4	0.048	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: 380-170493-1
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)
380-170493-1	HALAWA WELLS UNITS 1 & 2 P1 (	99	88	108
380-170493-1 DU	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)	100	90	103
380-170493-2	AIEA WELLS PUMPS 1&2 P2 (260) (331-203-TP400)	98	90	104

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)
380-170490-P-1-A MS	Matrix Spike	103	95	89
LCS 380-173515/22-A	Lab Control Sample	96	91	105
MB 380-173515/20-A	Method Blank	98	93	106
MRL 380-173515/21-A	Lab Control Sample	98	87	103

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)
380-170493-1	HALAWA WELLS UNITS 1 & 2 P1 (	85	82	47	85	27	88
380-170493-2	AIEA WELLS PUMPS 1&2 P2 (260) (331-203-TP400)	82	84	54	88	29	86

Surrogate Legend

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

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (33-139)	FBP (33-126)	2FP (12-120)	NBZ (36-120)	PHL6 (10-120)	TPHd14 (47-131)
MB 570-625449/1-A	Method Blank	68	67	49	70	28	73

Eurofins Eaton Analytical Pomona

Surrogate Summary

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

Job ID: 380-170493-1
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)
380-170493-1	HALAWA WELLS UNITS 1 & 2 P1 (	85	79	43	75	25	80
380-170493-1 MS	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	80	78	55	64	35	78
380-170493-1 MSD	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	71	73	52	61	33	71
380-170493-2	AIEA WELLS PUMPS 1&2 P2 (260) (331-203-TP400)	86	80	47	79	28	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: 625.1 SIM - Semivolatile Organic Compounds GC/MS (SIM)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (28-127)	FBP (31-120)	2FP (17-120)	NBZ (27-120)	PHL6 (10-120)	TPHd14 (45-120)
LCS 570-625449/2-A	Lab Control Sample	66	66	48	56	31	68
LCSD 570-625449/3-A	Lab Control Sample Dup	78	79	57	66	37	77
MB 570-625449/1-A	Method Blank	75	69	47	67	29	73

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)
380-170493-1	HALAWA WELLS UNITS 1 & 2 P1 (	100
380-170493-1 MS	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	102

Surrogate Summary

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

Job ID: 380-170493-1
 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)
380-170493-1 MSD	HALAWA WELLS UNITS 1 & 2 (331	98
380-170493-2	AIEA WELLS PUMPS 1&2 P2 (260) (331-203-TP400)	97
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)
380-170493-3	TB: HALAWA WELLS UNITS 1&2 (3	99
380-170493-4	TB: AIEA WELLS PUMPS 1&2 (260) (331-203-TP400)	96
Surrogate Legend		
BFB = 4-Bromofluorobenzene (Surr)		

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

Matrix: Drinking Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	OTCSN1 (60-130)
380-170493-1	HALAWA WELLS UNITS 1 & 2 P1 (	101
380-170493-1 MS	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	105
380-170493-1 MSD	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	108
380-170493-2	AIEA WELLS PUMPS 1&2 P2 (260) (331-203-TP400)	98
Surrogate Legend		
OTCSN = n-Octacosane (Surr)		

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	OTCSN1 (60-130)
LCS 570-625548/2-A	Lab Control Sample	104
LCS 570-625548/3-A	Lab Control Sample Dup	97
MB 570-625548/1-A	Method Blank	96
MRL 570-625548/4-A	Lab Control Sample	93
Surrogate Legend		
OTCSN = n-Octacosane (Surr)		

QC Sample Results

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

Job ID: 380-170493-1
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 380-173515/20-A
Matrix: Water
Analysis Batch: 173627

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 173515

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
1-Methylnaphthalene	<0.098		0.098	ug/L		09/11/25 09:20	09/12/25 10:44	1
2,4'-DDD	<0.098		0.098	ug/L		09/11/25 09:20	09/12/25 10:44	1
2,4'-DDE	<0.098		0.098	ug/L		09/11/25 09:20	09/12/25 10:44	1
2,4'-DDT	<0.098		0.098	ug/L		09/11/25 09:20	09/12/25 10:44	1
2,4-Dinitrotoluene	<0.098		0.098	ug/L		09/11/25 09:20	09/12/25 10:44	1
2,6-Dinitrotoluene	<0.098		0.098	ug/L		09/11/25 09:20	09/12/25 10:44	1
2-Methylnaphthalene	<0.098		0.098	ug/L		09/11/25 09:20	09/12/25 10:44	1
4,4'-DDD	<0.098		0.098	ug/L		09/11/25 09:20	09/12/25 10:44	1
4,4'-DDE	<0.098		0.098	ug/L		09/11/25 09:20	09/12/25 10:44	1
4,4'-DDT	<0.098		0.098	ug/L		09/11/25 09:20	09/12/25 10:44	1
Acenaphthene	<0.098		0.098	ug/L		09/11/25 09:20	09/12/25 10:44	1
Acenaphthylene	<0.098		0.098	ug/L		09/11/25 09:20	09/12/25 10:44	1
Acetochlor	<0.098		0.098	ug/L		09/11/25 09:20	09/12/25 10:44	1
Alachlor	<0.049		0.049	ug/L		09/11/25 09:20	09/12/25 10:44	1
alpha-BHC	<0.098		0.098	ug/L		09/11/25 09:20	09/12/25 10:44	1
alpha-Chlordane	<0.049		0.049	ug/L		09/11/25 09:20	09/12/25 10:44	1
Anthracene	<0.020		0.020	ug/L		09/11/25 09:20	09/12/25 10:44	1
Atrazine	<0.049		0.049	ug/L		09/11/25 09:20	09/12/25 10:44	1
Benz(a)anthracene	<0.049		0.049	ug/L		09/11/25 09:20	09/12/25 10:44	1
Benzo[a]pyrene	<0.020		0.020	ug/L		09/11/25 09:20	09/12/25 10:44	1
Benzo[b]fluoranthene	<0.020		0.020	ug/L		09/11/25 09:20	09/12/25 10:44	1
Benzo[g,h,i]perylene	<0.049		0.049	ug/L		09/11/25 09:20	09/12/25 10:44	1
Benzo[k]fluoranthene	<0.020		0.020	ug/L		09/11/25 09:20	09/12/25 10:44	1
beta-BHC	<0.098		0.098	ug/L		09/11/25 09:20	09/12/25 10:44	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59	ug/L		09/11/25 09:20	09/12/25 10:44	1
Bromacil	<0.098		0.098	ug/L		09/11/25 09:20	09/12/25 10:44	1
Butachlor	<0.049		0.049	ug/L		09/11/25 09:20	09/12/25 10:44	1
Butylbenzylphthalate	<0.49		0.49	ug/L		09/11/25 09:20	09/12/25 10:44	1
Chlorobenzilate	<0.098		0.098	ug/L		09/11/25 09:20	09/12/25 10:44	1
Chloroneb	<0.098		0.098	ug/L		09/11/25 09:20	09/12/25 10:44	1
Chlorothalonil (Draconil, Bravo)	<0.098		0.098	ug/L		09/11/25 09:20	09/12/25 10:44	1
Chlorpyrifos	<0.049		0.049	ug/L		09/11/25 09:20	09/12/25 10:44	1
Chrysene	<0.020		0.020	ug/L		09/11/25 09:20	09/12/25 10:44	1
delta-BHC	<0.098		0.098	ug/L		09/11/25 09:20	09/12/25 10:44	1
Di(2-ethylhexyl)adipate	<0.59		0.59	ug/L		09/11/25 09:20	09/12/25 10:44	1
Dibenz(a,h)anthracene	<0.049		0.049	ug/L		09/11/25 09:20	09/12/25 10:44	1
Diclorvos (DDVP)	<0.049		0.049	ug/L		09/11/25 09:20	09/12/25 10:44	1
Dieldrin	<0.0098		0.0098	ug/L		09/11/25 09:20	09/12/25 10:44	1
Diethylphthalate	<0.49		0.49	ug/L		09/11/25 09:20	09/12/25 10:44	1
Dimethylphthalate	<0.49		0.49	ug/L		09/11/25 09:20	09/12/25 10:44	1
Di-n-butyl phthalate	<0.98		0.98	ug/L		09/11/25 09:20	09/12/25 10:44	1
Di-n-octyl phthalate	<0.098		0.098	ug/L		09/11/25 09:20	09/12/25 10:44	1
Endosulfan I (Alpha)	<0.098		0.098	ug/L		09/11/25 09:20	09/12/25 10:44	1
Endosulfan II (Beta)	<0.098		0.098	ug/L		09/11/25 09:20	09/12/25 10:44	1
Endosulfan sulfate	<0.098		0.098	ug/L		09/11/25 09:20	09/12/25 10:44	1
Endrin	<0.0098		0.0098	ug/L		09/11/25 09:20	09/12/25 10:44	1
Endrin aldehyde	<0.098		0.098	ug/L		09/11/25 09:20	09/12/25 10:44	1

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QC Sample Results

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

Job ID: 380-170493-1
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 380-173515/20-A
Matrix: Water
Analysis Batch: 173627

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 173515

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
EPTC	<0.098		0.098	ug/L		09/11/25 09:20	09/12/25 10:44	1
Fluoranthene	<0.098		0.098	ug/L		09/11/25 09:20	09/12/25 10:44	1
Fluorene	<0.049		0.049	ug/L		09/11/25 09:20	09/12/25 10:44	1
gamma-Chlordane	<0.049		0.049	ug/L		09/11/25 09:20	09/12/25 10:44	1
Heptachlor	<0.0098		0.0098	ug/L		09/11/25 09:20	09/12/25 10:44	1
Heptachlor epoxide (isomer B)	<0.0098		0.0098	ug/L		09/11/25 09:20	09/12/25 10:44	1
Hexachlorobenzene	<0.049		0.049	ug/L		09/11/25 09:20	09/12/25 10:44	1
Hexachlorocyclopentadiene	<0.049		0.049	ug/L		09/11/25 09:20	09/12/25 10:44	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049	ug/L		09/11/25 09:20	09/12/25 10:44	1
Isophorone	<0.098		0.098	ug/L		09/11/25 09:20	09/12/25 10:44	1
Lindane	<0.0098		0.0098	ug/L		09/11/25 09:20	09/12/25 10:44	1
Malathion	<0.098		0.098	ug/L		09/11/25 09:20	09/12/25 10:44	1
Methoxychlor	<0.049		0.049	ug/L		09/11/25 09:20	09/12/25 10:44	1
Metolachlor	<0.049		0.049	ug/L		09/11/25 09:20	09/12/25 10:44	1
Molinate	<0.098		0.098	ug/L		09/11/25 09:20	09/12/25 10:44	1
Naphthalene	<0.098		0.098	ug/L		09/11/25 09:20	09/12/25 10:44	1
Parathion	<0.098		0.098	ug/L		09/11/25 09:20	09/12/25 10:44	1
Pendimethalin (Penoxaline)	<0.098		0.098	ug/L		09/11/25 09:20	09/12/25 10:44	1
Phenanthrene	<0.039		0.039	ug/L		09/11/25 09:20	09/12/25 10:44	1
Propachlor	<0.049		0.049	ug/L		09/11/25 09:20	09/12/25 10:44	1
Pyrene	<0.049		0.049	ug/L		09/11/25 09:20	09/12/25 10:44	1
Simazine	<0.049		0.049	ug/L		09/11/25 09:20	09/12/25 10:44	1
Terbacil	<0.098		0.098	ug/L		09/11/25 09:20	09/12/25 10:44	1
Terbutylazine	<0.098		0.098	ug/L		09/11/25 09:20	09/12/25 10:44	1
Thiobencarb	<0.098		0.098	ug/L		09/11/25 09:20	09/12/25 10:44	1
Total Permethrin (mixed isomers)	<0.20		0.20	ug/L		09/11/25 09:20	09/12/25 10:44	1
trans-Nonachlor	<0.049		0.049	ug/L		09/11/25 09:20	09/12/25 10:44	1
Trifluralin	<0.098		0.098	ug/L		09/11/25 09:20	09/12/25 10:44	1

<i>Tentatively Identified Compound</i>	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
<i>Cyclopentene, 1,2,3,4,5-pentamethyl-</i>	0.920	T J N	ug/L		2.52	1000154-28-6	09/11/25 09:20	09/12/25 10:44	1
<i>Decane</i>	1.96	T J N	ug/L		2.78	124-18-5	09/11/25 09:20	09/12/25 10:44	1
<i>Phenol, 4-(1,1-dimethylpropyl)-</i>	0.500	T J N	ug/L		4.25	80-46-6	09/11/25 09:20	09/12/25 10:44	1
<i>9-Octadecenamamide, (Z)-</i>	1.81	T J N	ug/L		7.90	301-02-0	09/11/25 09:20	09/12/25 10:44	1
<i>13-Docosenamamide, (Z)-</i>	0.556	T J N	ug/L		10.44	112-84-5	09/11/25 09:20	09/12/25 10:44	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>2-Nitro-m-xylene</i>	98		70 - 130	09/11/25 09:20	09/12/25 10:44	1
<i>Perylene-d12</i>	93		70 - 130	09/11/25 09:20	09/12/25 10:44	1
<i>Triphenylphosphate</i>	106		70 - 130	09/11/25 09:20	09/12/25 10:44	1

QC Sample Results

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

Job ID: 380-170493-1
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 380-173515/22-A
Matrix: Water
Analysis Batch: 173627

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 173515

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec Limits
	Added	Result	Qualifier				
1-Methylnaphthalene	1.95	1.92		ug/L		98	70 - 130
2,4'-DDD	1.95	1.99		ug/L		102	70 - 130
2,4'-DDE	1.95	2.16		ug/L		111	70 - 130
2,4'-DDT	1.95	1.99		ug/L		102	70 - 130
2,4-Dinitrotoluene	1.95	1.86		ug/L		95	70 - 130
2,6-Dinitrotoluene	1.95	1.88		ug/L		96	70 - 130
2-Methylnaphthalene	1.95	1.94		ug/L		100	70 - 130
4,4'-DDD	1.95	2.06		ug/L		106	70 - 130
4,4'-DDE	1.95	1.99		ug/L		102	70 - 130
4,4'-DDT	1.95	2.01		ug/L		103	70 - 130
Acenaphthene	1.95	1.99		ug/L		102	70 - 130
Acenaphthylene	1.95	1.83		ug/L		94	70 - 130
Acetochlor	1.95	2.09		ug/L		107	70 - 130
Alachlor	1.95	2.25		ug/L		115	70 - 130
alpha-BHC	1.95	2.05		ug/L		105	70 - 130
alpha-Chlordane	1.95	2.07		ug/L		106	70 - 130
Anthracene	1.95	1.95		ug/L		100	70 - 130
Atrazine	1.95	2.03		ug/L		104	70 - 130
Benz(a)anthracene	1.95	2.06		ug/L		105	70 - 130
Benzo[a]pyrene	1.95	1.97		ug/L		101	70 - 130
Benzo[b]fluoranthene	1.95	1.96		ug/L		101	70 - 130
Benzo[g,h,i]perylene	1.95	1.92		ug/L		99	70 - 130
Benzo[k]fluoranthene	1.95	1.89		ug/L		97	70 - 130
beta-BHC	1.95	2.16		ug/L		111	70 - 130
Bis(2-ethylhexyl) phthalate	1.95	2.02		ug/L		104	70 - 130
Bromacil	1.95	2.02		ug/L		104	70 - 130
Butachlor	1.95	2.07		ug/L		106	70 - 130
Butylbenzylphthalate	1.95	2.30		ug/L		118	70 - 130
Chlorobenzilate	1.95	2.14		ug/L		110	70 - 130
Chloroneb	1.95	2.06		ug/L		106	70 - 130
Chlorothalonil (Draconil, Bravo)	1.95	1.86		ug/L		95	70 - 130
Chlorpyrifos	1.95	2.08		ug/L		107	70 - 130
Chrysene	1.95	1.97		ug/L		101	70 - 130
delta-BHC	1.95	2.08		ug/L		107	70 - 130
Di(2-ethylhexyl)adipate	1.95	2.12		ug/L		109	70 - 130
Dibenz(a,h)anthracene	1.95	1.88		ug/L		96	70 - 130
Diclorvos (DDVP)	1.95	2.07		ug/L		106	70 - 130
Dieldrin	1.95	2.15		ug/L		110	70 - 130
Diethylphthalate	1.95	2.16		ug/L		111	70 - 130
Dimethylphthalate	1.95	2.09		ug/L		107	70 - 130
Di-n-butyl phthalate	3.90	4.49		ug/L		115	70 - 130
Di-n-octyl phthalate	1.95	1.80		ug/L		92	70 - 130
Endosulfan I (Alpha)	1.95	2.15		ug/L		110	70 - 130
Endosulfan II (Beta)	1.95	2.16		ug/L		111	70 - 130
Endosulfan sulfate	1.95	2.10		ug/L		108	70 - 130
Endrin	1.95	2.21		ug/L		113	70 - 130
Endrin aldehyde	1.95	1.95		ug/L		100	60 - 130

QC Sample Results

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

Job ID: 380-170493-1
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 380-173515/22-A

Matrix: Water

Analysis Batch: 173627

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 173515

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
EPTC	1.95	2.10		ug/L		108	70 - 130
Fluoranthene	1.95	2.10		ug/L		108	70 - 130
Fluorene	1.95	2.10		ug/L		107	70 - 130
gamma-Chlordane	1.95	2.10		ug/L		108	70 - 130
Heptachlor	1.95	2.17		ug/L		111	70 - 130
Heptachlor epoxide (isomer B)	1.95	2.17		ug/L		111	70 - 130
Hexachlorobenzene	1.95	1.95		ug/L		100	70 - 130
Hexachlorocyclopentadiene	1.95	1.81		ug/L		93	70 - 130
Indeno[1,2,3-cd]pyrene	1.95	1.85		ug/L		95	70 - 130
Isophorone	1.95	2.02		ug/L		104	70 - 130
Lindane	1.95	2.18		ug/L		112	70 - 130
Malathion	1.95	2.03		ug/L		104	70 - 130
Methoxychlor	1.95	2.05		ug/L		105	70 - 130
Metolachlor	1.95	2.06		ug/L		106	70 - 130
Molinate	1.95	2.11		ug/L		108	70 - 130
Naphthalene	1.95	1.95		ug/L		100	70 - 130
Parathion	1.95	1.99		ug/L		102	70 - 130
Pendimethalin (Penoxaline)	1.95	1.91		ug/L		98	70 - 130
Phenanthrene	1.95	2.04		ug/L		105	70 - 130
Propachlor	1.95	2.17		ug/L		111	70 - 130
Pyrene	1.95	2.01		ug/L		103	70 - 130
Simazine	1.95	2.01		ug/L		103	70 - 130
Terbacil	1.95	2.09		ug/L		107	70 - 130
Terbutylazine	1.95	2.01		ug/L		103	70 - 130
Thiobencarb	1.95	2.04		ug/L		104	70 - 130
trans-Nonachlor	1.95	2.07		ug/L		106	70 - 130
Trifluralin	1.95	1.86		ug/L		95	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2-Nitro-m-xylene	96		70 - 130
Perylene-d12	91		70 - 130
Triphenylphosphate	105		70 - 130

Lab Sample ID: MRL 380-173515/21-A

Matrix: Water

Analysis Batch: 173627

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 173515

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	0.0966	0.101		ug/L		104	50 - 150
2,4'-DDD	0.0966	0.0960	J	ug/L		99	50 - 150
2,4'-DDE	0.0966	0.103		ug/L		107	50 - 150
2,4'-DDT	0.0966	0.107		ug/L		110	50 - 150
2,4-Dinitrotoluene	0.0966	0.107		ug/L		111	50 - 150
2,6-Dinitrotoluene	0.0966	0.119		ug/L		124	50 - 150
2-Methylnaphthalene	0.0966	0.0965	J	ug/L		100	50 - 150
4,4'-DDD	0.0966	0.112		ug/L		116	50 - 150
4,4'-DDE	0.0966	0.101		ug/L		104	50 - 150

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QC Sample Results

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

Job ID: 380-170493-1
 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 380-173515/21-A

Matrix: Water

Analysis Batch: 173627

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 173515

Analyte	Spike	MRL	MRL	Unit	D	%Rec	%Rec Limits
	Added	Result	Qualifier				
4,4'-DDT	0.0966	0.111		ug/L		115	50 - 150
Acenaphthene	0.0966	0.0884	J	ug/L		92	50 - 150
Acenaphthylene	0.0966	0.0972		ug/L		101	50 - 150
Acetochlor	0.0966	0.112		ug/L		116	50 - 150
Alachlor	0.0483	0.0545		ug/L		113	50 - 150
alpha-BHC	0.0966	0.0989		ug/L		102	50 - 150
alpha-Chlordane	0.0242	0.0330	J	ug/L		137	50 - 150
Anthracene	0.0193	0.0238		ug/L		123	50 - 150
Atrazine	0.0483	0.0695		ug/L		144	50 - 150
Benz(a)anthracene	0.0483	0.0543		ug/L		112	50 - 150
Benzo[a]pyrene	0.0193	0.0188	J	ug/L		97	50 - 150
Benzo[b]fluoranthene	0.0193	0.0231		ug/L		120	50 - 150
Benzo[g,h,i]perylene	0.0483	0.0500		ug/L		104	50 - 150
Benzo[k]fluoranthene	0.0193	0.0227		ug/L		117	50 - 150
beta-BHC	0.0966	0.110		ug/L		114	50 - 150
Bis(2-ethylhexyl) phthalate	0.580	0.579	J	ug/L		100	50 - 150
Bromacil	0.0966	0.126		ug/L		131	50 - 150
Butachlor	0.0483	0.0668		ug/L		138	50 - 150
Butylbenzylphthalate	0.483	0.604		ug/L		125	50 - 150
Chlorobenzilate	0.0966	0.108		ug/L		112	50 - 150
Chloroneb	0.0966	0.0974		ug/L		101	50 - 150
Chlorothalonil (Draconil, Bravo)	0.0966	0.106		ug/L		109	50 - 150
Chlorpyrifos	0.0483	0.0586		ug/L		121	50 - 150
Chrysene	0.0193	0.0214		ug/L		111	50 - 150
delta-BHC	0.0966	0.0919	J	ug/L		95	50 - 150
Di(2-ethylhexyl)adipate	0.580	0.640		ug/L		110	50 - 150
Dibenz(a,h)anthracene	0.0483	0.0559		ug/L		116	50 - 150
Diclorvos (DDVP)	0.0483	0.0567		ug/L		117	50 - 150
Dieldrin	0.00966	0.0140		ug/L		145	50 - 150
Diethylphthalate	0.483	0.540		ug/L		112	50 - 150
Dimethylphthalate	0.483	0.517		ug/L		107	50 - 150
Di-n-butyl phthalate	0.483	0.624	J	ug/L		129	49 - 243
Di-n-octyl phthalate	0.0966	0.0980		ug/L		101	50 - 150
Endosulfan I (Alpha)	0.0966	0.0952	J	ug/L		99	50 - 150
Endosulfan II (Beta)	0.0966	0.104		ug/L		108	50 - 150
Endosulfan sulfate	0.0966	0.108		ug/L		111	50 - 150
Endrin	0.00966	0.0103		ug/L		107	50 - 150
Endrin aldehyde	0.0966	0.113		ug/L		117	50 - 150
EPTC	0.0966	0.0986		ug/L		102	50 - 150
Fluoranthene	0.0966	0.105		ug/L		108	50 - 150
Fluorene	0.0483	0.0520		ug/L		108	50 - 150
gamma-Chlordane	0.0242	0.0317	J	ug/L		131	50 - 150
Heptachlor	0.00966	0.0128		ug/L		133	50 - 150
Heptachlor epoxide (isomer B)	0.00966	0.0112		ug/L		115	50 - 150
Hexachlorobenzene	0.0483	0.0464	J	ug/L		96	50 - 150
Hexachlorocyclopentadiene	0.0483	0.0484		ug/L		100	50 - 150
Indeno[1,2,3-cd]pyrene	0.0483	0.0649		ug/L		134	50 - 150
Isophorone	0.0966	0.106		ug/L		110	50 - 150

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QC Sample Results

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

Job ID: 380-170493-1
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 380-173515/21-A

Matrix: Water

Analysis Batch: 173627

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 173515

Analyte	Spike	MRL	MRL	Unit	D	%Rec	%Rec Limits
	Added	Result	Qualifier				
Lindane	0.00966	0.0129		ug/L		133	50 - 150
Malathion	0.0966	0.109		ug/L		113	50 - 150
Methoxychlor	0.0483	0.0662		ug/L		137	50 - 150
Metolachlor	0.0483	0.0611		ug/L		127	50 - 150
Molinate	0.0966	0.106		ug/L		110	50 - 150
Naphthalene	0.0966	0.0988		ug/L		102	50 - 150
Parathion	0.0966	0.0952	J	ug/L		99	50 - 150
Pendimethalin (Penoxaline)	0.0966	0.0984		ug/L		102	50 - 150
Phenanthrene	0.0386	0.0426		ug/L		110	50 - 150
Propachlor	0.0483	0.0549		ug/L		114	50 - 150
Pyrene	0.0483	0.0524		ug/L		108	50 - 150
Simazine	0.0483	0.0638		ug/L		132	50 - 150
Terbacil	0.0966	0.123		ug/L		127	50 - 150
Terbutylazine	0.0966	0.113		ug/L		117	50 - 150
Thiobencarb	0.0966	0.104		ug/L		107	50 - 150
trans-Nonachlor	0.0242	0.0338	J	ug/L		140	50 - 150
Trifluralin	0.0966	0.101		ug/L		105	50 - 150

Surrogate	MRL	MRL	Limits
	%Recovery	Qualifier	
2-Nitro-m-xylene	98		70 - 130
Perylene-d12	87		70 - 130
Triphenylphosphate	103		70 - 130

Lab Sample ID: 380-170490-P-1-A MS

Matrix: Water

Analysis Batch: 173627

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 173515

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier	Added	Result	Qualifier				
1-Methylnaphthalene	<0.10		1.98	1.97		ug/L		99	70 - 130
2,4'-DDD	<0.10		1.98	1.93		ug/L		97	70 - 130
2,4'-DDE	<0.10		1.98	2.03		ug/L		103	70 - 130
2,4'-DDT	<0.10		1.98	1.77		ug/L		89	70 - 130
2,4-Dinitrotoluene	<0.10		1.98	2.08		ug/L		105	70 - 130
2,6-Dinitrotoluene	<0.10		1.98	2.04		ug/L		103	70 - 130
2-Methylnaphthalene	<0.10		1.98	2.00		ug/L		101	70 - 130
4,4'-DDD	<0.10		1.98	1.97		ug/L		100	70 - 130
4,4'-DDE	<0.10		1.98	1.77		ug/L		89	70 - 130
4,4'-DDT	<0.10		1.98	1.70		ug/L		86	70 - 130
Acenaphthene	<0.10		1.98	2.00		ug/L		101	70 - 130
Acenaphthylene	<0.10		1.98	1.94		ug/L		98	70 - 130
Acetochlor	<0.10		1.98	2.14		ug/L		108	70 - 130
Alachlor	<0.050		1.98	2.20		ug/L		111	70 - 130
alpha-BHC	<0.10		1.98	2.19		ug/L		111	70 - 130
alpha-Chlordane	<0.050		1.98	2.00		ug/L		101	70 - 130
Anthracene	<0.020	F1	1.98	1.04	F1	ug/L		53	70 - 130
Atrazine	<0.050		1.98	2.08		ug/L		105	70 - 130
Benz(a)anthracene	<0.050		1.98	1.68		ug/L		85	70 - 130

QC Sample Results

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

Job ID: 380-170493-1
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: 380-170490-P-1-A MS

Client Sample ID: Matrix Spike

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 173627

Prep Batch: 173515

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier	Added	Result	Qualifier				
Benzo[a]pyrene	<0.020		1.98	1.64		ug/L		83	70 - 130
Benzo[b]fluoranthene	<0.020		1.98	2.03		ug/L		103	70 - 130
Benzo[g,h,i]perylene	<0.050		1.98	1.91		ug/L		97	70 - 130
Benzo[k]fluoranthene	<0.020		1.98	1.96		ug/L		99	70 - 130
beta-BHC	<0.10		1.98	2.15		ug/L		108	70 - 130
Bis(2-ethylhexyl) phthalate	<0.60		1.98	1.81		ug/L		91	70 - 130
Bromacil	<0.10		1.98	2.01		ug/L		102	70 - 130
Butachlor	<0.050		1.98	2.08		ug/L		105	70 - 130
Butylbenzylphthalate	<0.50		1.98	2.31		ug/L		117	70 - 130
Chlorobenzilate	<0.10		1.98	2.24		ug/L		113	70 - 130
Chloroneb	<0.10		1.98	2.13		ug/L		107	70 - 130
Chlorothalonil (Draconil, Bravo)	<0.10		1.98	2.01		ug/L		102	70 - 130
Chlorpyrifos	<0.050		1.98	1.96		ug/L		99	70 - 130
Chrysene	<0.020		1.98	1.99		ug/L		101	70 - 130
delta-BHC	<0.10		1.98	2.06		ug/L		104	70 - 130
Di(2-ethylhexyl)adipate	<0.60		1.98	1.77		ug/L		89	70 - 130
Dibenz(a,h)anthracene	<0.050		1.98	1.93		ug/L		98	70 - 130
Diclorvos (DDVP)	<0.050		1.98	2.23		ug/L		113	70 - 130
Dieldrin	<0.010		1.98	2.13		ug/L		108	70 - 130
Diethylphthalate	<0.50		1.98	2.20		ug/L		111	70 - 130
Dimethylphthalate	<0.50		1.98	2.17		ug/L		110	70 - 130
Di-n-butyl phthalate	<1.0		3.96	4.61		ug/L		117	70 - 130
Di-n-octyl phthalate	<0.10		1.98	1.65		ug/L		83	70 - 130
Endosulfan I (Alpha)	<0.10		1.98	2.07		ug/L		105	70 - 130
Endosulfan II (Beta)	<0.10		1.98	2.17		ug/L		109	70 - 130
Endosulfan sulfate	<0.10		1.98	1.97		ug/L		100	70 - 130
Endrin	<0.010		1.98	2.22		ug/L		112	70 - 130
Endrin aldehyde	<0.10		1.98	1.63		ug/L		82	60 - 130
EPTC	<0.10		1.98	2.16		ug/L		109	70 - 130
Fluoranthene	<0.10		1.98	2.10		ug/L		106	70 - 130
Fluorene	<0.050		1.98	2.17		ug/L		110	70 - 130
gamma-Chlordane	<0.050		1.98	1.99		ug/L		101	70 - 130
Heptachlor	<0.010		1.98	2.14		ug/L		108	70 - 130
Heptachlor epoxide (isomer B)	<0.010		1.98	2.16		ug/L		109	70 - 130
Hexachlorobenzene	<0.050		1.98	1.84		ug/L		93	70 - 130
Hexachlorocyclopentadiene	<0.050		1.98	2.07		ug/L		105	70 - 130
Indeno[1,2,3-cd]pyrene	<0.050		1.98	1.85		ug/L		93	70 - 130
Isophorone	<0.10		1.98	2.10		ug/L		106	70 - 130
Lindane	<0.010		1.98	2.22		ug/L		112	70 - 130
Malathion	<0.10		1.98	2.05		ug/L		103	70 - 130
Methoxychlor	<0.050		1.98	2.21		ug/L		112	70 - 130
Metolachlor	<0.050		1.98	2.11		ug/L		107	70 - 130
Molinate	<0.10		1.98	2.18		ug/L		110	70 - 130
Naphthalene	<0.10		1.98	2.00		ug/L		101	70 - 130
Parathion	<0.10		1.98	2.14		ug/L		108	70 - 130
Pendimethalin (Penoxaline)	<0.10		1.98	1.98		ug/L		100	70 - 130
Phenanthrene	<0.040		1.98	2.04		ug/L		103	70 - 130
Propachlor	<0.050		1.98	2.30		ug/L		116	70 - 130

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QC Sample Results

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

Job ID: 380-170493-1
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: 380-170490-P-1-A MS

Client Sample ID: Matrix Spike

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 173627

Prep Batch: 173515

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier	Added	Result	Qualifier					Limits
Pyrene	<0.050		1.98	1.98		ug/L		100	70 - 130
Simazine	<0.050		1.98	2.12		ug/L		107	70 - 130
Terbacil	<0.10		1.98	2.18		ug/L		110	70 - 130
Terbutylazine	<0.10		1.98	2.13		ug/L		107	70 - 130
Thiobencarb	<0.10		1.98	2.04		ug/L		103	70 - 130
trans-Nonachlor	<0.050		1.98	1.91		ug/L		97	70 - 130
Trifluralin	<0.10		1.98	1.95		ug/L		98	70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
2-Nitro-m-xylene	103		70 - 130
Perylene-d12	95		70 - 130
Triphenylphosphate	89		70 - 130

Lab Sample ID: 380-170493-1 DU

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

Matrix: Drinking Water

Prep Type: Total/NA

Analysis Batch: 173627

Prep Batch: 173515

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
1-Methylnaphthalene	<0.097		<0.097		ug/L		NC	20
2,4'-DDD	<0.097		<0.097		ug/L		NC	20
2,4'-DDE	<0.097		<0.097		ug/L		NC	20
2,4'-DDT	<0.097		<0.097		ug/L		NC	20
2,4-Dinitrotoluene	<0.097		<0.097		ug/L		NC	20
2,6-Dinitrotoluene	<0.097		<0.097		ug/L		NC	20
2-Methylnaphthalene	<0.097		<0.097		ug/L		NC	20
4,4'-DDD	<0.097		<0.097		ug/L		NC	20
4,4'-DDE	<0.097		<0.097		ug/L		NC	20
4,4'-DDT	<0.097		<0.097		ug/L		NC	20
Acenaphthene	<0.097		<0.097		ug/L		NC	20
Acenaphthylene	<0.097		<0.097		ug/L		NC	20
Acetochlor	<0.097		<0.097		ug/L		NC	20
Alachlor	<0.049		<0.049		ug/L		NC	20
alpha-BHC	<0.097		<0.097		ug/L		NC	20
alpha-Chlordane	<0.049		<0.049		ug/L		NC	20
Anthracene	<0.019		<0.019		ug/L		NC	20
Atrazine	<0.049		<0.049		ug/L		NC	20
Benz(a)anthracene	<0.049		<0.049		ug/L		NC	20
Benzo[a]pyrene	<0.019		<0.019		ug/L		NC	20
Benzo[b]fluoranthene	<0.019		<0.019		ug/L		NC	20
Benzo[g,h,i]perylene	<0.049		<0.049		ug/L		NC	20
Benzo[k]fluoranthene	<0.019		<0.019		ug/L		NC	20
beta-BHC	<0.097		<0.097		ug/L		NC	20
Bis(2-ethylhexyl) phthalate	<0.58		<0.58		ug/L		NC	20
Bromacil	<0.097		<0.097		ug/L		NC	20
Butachlor	<0.049		<0.049		ug/L		NC	20
Butylbenzylphthalate	<0.49		<0.49		ug/L		NC	20
Chlorobenzilate	<0.097		<0.097		ug/L		NC	20

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QC Sample Results

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

Job ID: 380-170493-1
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: 380-170493-1 DU

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

Matrix: Drinking Water

Prep Type: Total/NA

Analysis Batch: 173627

Prep Batch: 173515

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Chloroneb	<0.097		<0.097		ug/L		NC	20
Chlorothalonil (Draconil, Bravo)	<0.097		<0.097		ug/L		NC	20
Chlorpyrifos	<0.049		<0.049		ug/L		NC	20
Chrysene	<0.019		<0.019		ug/L		NC	20
delta-BHC	<0.097		<0.097		ug/L		NC	20
Di(2-ethylhexyl)adipate	<0.58		<0.58		ug/L		NC	20
Dibenz(a,h)anthracene	<0.049		<0.049		ug/L		NC	20
Diclorvos (DDVP)	<0.049		<0.049		ug/L		NC	20
Dieldrin	0.030		0.0321		ug/L		7	20
Diethylphthalate	<0.49		<0.49		ug/L		NC	20
Dimethylphthalate	<0.49		<0.49		ug/L		NC	20
Di-n-butyl phthalate	<0.97		<0.97		ug/L		NC	20
Di-n-octyl phthalate	<0.097		<0.097		ug/L		NC	20
Endosulfan I (Alpha)	<0.097		<0.097		ug/L		NC	20
Endosulfan II (Beta)	<0.097		<0.097		ug/L		NC	20
Endosulfan sulfate	<0.097		<0.097		ug/L		NC	20
Endrin	<0.0097		<0.0097		ug/L		NC	20
Endrin aldehyde	<0.097		<0.097		ug/L		NC	20
EPTC	<0.097		<0.097		ug/L		NC	20
Fluoranthene	<0.097		<0.097		ug/L		NC	20
Fluorene	<0.049		<0.049		ug/L		NC	20
gamma-Chlordane	<0.049		<0.049		ug/L		NC	20
Heptachlor	<0.0097		<0.0097		ug/L		NC	20
Heptachlor epoxide (isomer B)	0.012		0.0125		ug/L		3	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	<0.097		<0.097		ug/L		NC	20
Lindane	<0.0097		<0.0097		ug/L		NC	20
Malathion	<0.097		<0.097		ug/L		NC	20
Methoxychlor	<0.049		<0.049		ug/L		NC	20
Metolachlor	<0.049		<0.049		ug/L		NC	20
Molinate	<0.097		<0.097		ug/L		NC	20
Naphthalene	<0.097		<0.097		ug/L		NC	20
Parathion	<0.097		<0.097		ug/L		NC	20
Pendimethalin (Penoxaline)	<0.097		<0.097		ug/L		NC	20
Phenanthrene	<0.039		<0.039		ug/L		NC	20
Propachlor	<0.049		<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	<0.097		<0.097		ug/L		NC	20
Terbutylazine	<0.097		<0.097		ug/L		NC	20
Thiobencarb	<0.097		<0.097		ug/L		NC	20
Total Permethrin (mixed isomers)	<0.19		<0.19		ug/L		NC	20
trans-Nonachlor	<0.049		<0.049		ug/L		NC	20
Trifluralin	<0.097		<0.097		ug/L		NC	20

QC Sample Results

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

Job ID: 380-170493-1
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: 380-170493-1 DU
Matrix: Drinking Water
Analysis Batch: 173627

Client Sample ID: HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)
Prep Type: Total/NA
Prep Batch: 173515

Surrogate	DU DU		Limits
	%Recovery	Qualifier	
2-Nitro-m-xylene	100		70 - 130
Perylene-d12	90		70 - 130
Triphenylphosphate	103		70 - 130

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

Lab Sample ID: MB 570-625449/1-A
Matrix: Water
Analysis Batch: 628768

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 625449

Tentatively Identified Compound	MB MB		Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
	Est. Result	Qualifier							
Tentatively Identified Compound	None		ug/L			N/A	09/15/25 04:33	09/22/25 08:34	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2,4,6-Tribromophenol (Surr)	68		33 - 139	09/15/25 04:33	09/22/25 08:34	1
2-Fluorobiphenyl (Surr)	67		33 - 126	09/15/25 04:33	09/22/25 08:34	1
2-Fluorophenol (Surr)	49		12 - 120	09/15/25 04:33	09/22/25 08:34	1
Nitrobenzene-d5 (Surr)	70		36 - 120	09/15/25 04:33	09/22/25 08:34	1
Phenol-d6 (Surr)	28		10 - 120	09/15/25 04:33	09/22/25 08:34	1
p-Terphenyl-d14 (Surr)	73		47 - 131	09/15/25 04:33	09/22/25 08:34	1

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

Lab Sample ID: MB 570-625449/1-A
Matrix: Water
Analysis Batch: 626828

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 625449

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
1-Methylnaphthalene	<0.20		0.20	ug/L		09/15/25 04:33	09/17/25 17:41	1
2-Methylnaphthalene	<0.20		0.20	ug/L		09/15/25 04:33	09/17/25 17:41	1
Acenaphthene	<0.20		0.20	ug/L		09/15/25 04:33	09/17/25 17:41	1
Acenaphthylene	<0.20		0.20	ug/L		09/15/25 04:33	09/17/25 17:41	1
Anthracene	<0.20		0.20	ug/L		09/15/25 04:33	09/17/25 17:41	1
Benzo[a]anthracene	<0.20		0.20	ug/L		09/15/25 04:33	09/17/25 17:41	1
Benzo[a]pyrene	<0.20		0.20	ug/L		09/15/25 04:33	09/17/25 17:41	1
Benzo[b]fluoranthene	<0.20		0.20	ug/L		09/15/25 04:33	09/17/25 17:41	1
Benzo[g,h,i]perylene	<0.20		0.20	ug/L		09/15/25 04:33	09/17/25 17:41	1
Benzo[k]fluoranthene	<0.20		0.20	ug/L		09/15/25 04:33	09/17/25 17:41	1
Chrysene	<0.20		0.20	ug/L		09/15/25 04:33	09/17/25 17:41	1
Dibenz(a,h)anthracene	<0.20		0.20	ug/L		09/15/25 04:33	09/17/25 17:41	1
Fluoranthene	<0.20		0.20	ug/L		09/15/25 04:33	09/17/25 17:41	1
Fluorene	<0.20		0.20	ug/L		09/15/25 04:33	09/17/25 17:41	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20	ug/L		09/15/25 04:33	09/17/25 17:41	1
Naphthalene	<0.20		0.20	ug/L		09/15/25 04:33	09/17/25 17:41	1
Phenanthrene	<0.20		0.20	ug/L		09/15/25 04:33	09/17/25 17:41	1
Pyrene	<0.20		0.20	ug/L		09/15/25 04:33	09/17/25 17:41	1

QC Sample Results

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

Job ID: 380-170493-1
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 570-625449/1-A
Matrix: Water
Analysis Batch: 626828

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 625449

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2,4,6-Tribromophenol (Surr)	75		28 - 127	09/15/25 04:33	09/17/25 17:41	1
2-Fluorobiphenyl (Surr)	69		31 - 120	09/15/25 04:33	09/17/25 17:41	1
2-Fluorophenol (Surr)	47		17 - 120	09/15/25 04:33	09/17/25 17:41	1
Nitrobenzene-d5 (Surr)	67		27 - 120	09/15/25 04:33	09/17/25 17:41	1
Phenol-d6 (Surr)	29		10 - 120	09/15/25 04:33	09/17/25 17:41	1
p-Terphenyl-d14 (Surr)	73		45 - 120	09/15/25 04:33	09/17/25 17:41	1

Lab Sample ID: LCS 570-625449/2-A
Matrix: Water
Analysis Batch: 626828

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 625449

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Methylnaphthalene	20.0	12.0		ug/L		60	43 - 120
Acenaphthene	20.0	13.7		ug/L		69	60 - 132
Acenaphthylene	20.0	14.0		ug/L		70	54 - 126
Anthracene	20.0	14.2		ug/L		71	43 - 120
Benzo[a]anthracene	20.0	14.0		ug/L		70	42 - 133
Benzo[a]pyrene	20.0	14.7		ug/L		74	32 - 148
Benzo[b]fluoranthene	20.0	13.9		ug/L		70	42 - 140
Benzo[g,h,i]perylene	20.0	14.7		ug/L		73	1 - 195
Benzo[k]fluoranthene	20.0	15.4		ug/L		77	25 - 146
Chrysene	20.0	14.2		ug/L		71	44 - 140
Dibenz(a,h)anthracene	20.0	14.5		ug/L		73	1 - 200
Fluoranthene	20.0	14.1		ug/L		70	43 - 121
Fluorene	20.0	14.2		ug/L		71	70 - 120
Indeno[1,2,3-cd]pyrene	20.0	13.5		ug/L		67	1 - 151
Naphthalene	20.0	11.7		ug/L		59	36 - 120
Phenanthrene	20.0	13.5		ug/L		68	65 - 120
Pyrene	20.0	14.0		ug/L		70	70 - 120

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol (Surr)	66		28 - 127
2-Fluorobiphenyl (Surr)	66		31 - 120
2-Fluorophenol (Surr)	48		17 - 120
Nitrobenzene-d5 (Surr)	56		27 - 120
Phenol-d6 (Surr)	31		10 - 120
p-Terphenyl-d14 (Surr)	68		45 - 120

Lab Sample ID: LCSD 570-625449/3-A
Matrix: Water
Analysis Batch: 626828

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 625449

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
1-Methylnaphthalene	20.0	14.3		ug/L		72	47 - 120	17	20
2-Methylnaphthalene	20.0	14.1		ug/L		71	43 - 120	17	20
Acenaphthene	20.0	16.8		ug/L		84	60 - 132	20	29

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QC Sample Results

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

Job ID: 380-170493-1
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 570-625449/3-A

Matrix: Water

Analysis Batch: 626828

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 625449

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Acenaphthylene	20.0	17.1		ug/L		85	54 - 126	20	45	
Anthracene	20.0	17.1		ug/L		85	43 - 120	19	40	
Benzo[a]anthracene	20.0	16.8		ug/L		84	42 - 133	18	32	
Benzo[a]pyrene	20.0	17.5		ug/L		87	32 - 148	17	43	
Benzo[b]fluoranthene	20.0	16.9		ug/L		85	42 - 140	20	43	
Benzo[g,h,i]perylene	20.0	17.6		ug/L		88	1 - 195	18	61	
Benzo[k]fluoranthene	20.0	17.6		ug/L		88	25 - 146	13	38	
Chrysene	20.0	17.2		ug/L		86	44 - 140	19	53	
Dibenz(a,h)anthracene	20.0	17.0		ug/L		85	1 - 200	16	75	
Fluoranthene	20.0	17.1		ug/L		86	43 - 121	20	40	
Fluorene	20.0	17.1		ug/L		86	70 - 120	19	23	
Indeno[1,2,3-cd]pyrene	20.0	16.0		ug/L		80	1 - 151	17	60	
Naphthalene	20.0	13.9		ug/L		69	36 - 120	16	39	
Phenanthrene	20.0	16.4		ug/L		82	65 - 120	20	24	
Pyrene	20.0	17.1		ug/L		85	70 - 120	20	30	

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol (Surr)	78		28 - 127
2-Fluorobiphenyl (Surr)	79		31 - 120
2-Fluorophenol (Surr)	57		17 - 120
Nitrobenzene-d5 (Surr)	66		27 - 120
Phenol-d6 (Surr)	37		10 - 120
p-Terphenyl-d14 (Surr)	77		45 - 120

Lab Sample ID: 380-170493-1 MS

Matrix: Drinking Water

Analysis Batch: 626828

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

Prep Type: Total/NA

Prep Batch: 625449

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec	
				Result	Qualifier				Limits	RPD
1-Methylnaphthalene	<0.19		19.3	13.7		ug/L		71	36 - 120	
2-Methylnaphthalene	<0.19		19.3	13.5		ug/L		70	32 - 124	
Acenaphthene	<0.19		19.3	16.1		ug/L		83	47 - 145	
Acenaphthylene	<0.19		19.3	16.3		ug/L		85	33 - 145	
Anthracene	<0.19		19.3	16.8		ug/L		87	27 - 133	
Benzo[a]anthracene	<0.19		19.3	16.5		ug/L		86	33 - 143	
Benzo[a]pyrene	<0.19		19.3	17.2		ug/L		89	17 - 163	
Benzo[b]fluoranthene	<0.19		19.3	16.7		ug/L		86	24 - 159	
Benzo[g,h,i]perylene	<0.19		19.3	17.0		ug/L		88	1 - 219	
Benzo[k]fluoranthene	<0.19		19.3	17.3		ug/L		89	11 - 162	
Chrysene	<0.19		19.3	16.8		ug/L		87	17 - 168	
Dibenz(a,h)anthracene	<0.19		19.3	16.9		ug/L		87	1 - 227	
Fluoranthene	<0.19		19.3	17.0		ug/L		88	26 - 137	
Fluorene	<0.19		19.3	16.6		ug/L		86	59 - 121	
Indeno[1,2,3-cd]pyrene	<0.19		19.3	15.4		ug/L		80	1 - 171	
Naphthalene	<0.19		19.3	12.9		ug/L		67	21 - 133	
Phenanthrene	<0.19		19.3	16.2		ug/L		84	54 - 120	
Pyrene	<0.19		19.3	16.6		ug/L		86	52 - 120	

QC Sample Results

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

Job ID: 380-170493-1
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: 380-170493-1 MS

Matrix: Drinking Water

Analysis Batch: 626828

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

Prep Type: Total/NA

Prep Batch: 625449

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol (Surr)	80		28 - 127
2-Fluorobiphenyl (Surr)	78		31 - 120
2-Fluorophenol (Surr)	55		17 - 120
Nitrobenzene d5 (Surr)	64		27 - 120
Phenol-d6 (Surr)	35		10 - 120
p-Terphenyl-d14 (Surr)	78		45 - 120

Lab Sample ID: 380-170493-1 MSD

Matrix: Drinking Water

Analysis Batch: 626828

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

Prep Type: Total/NA

Prep Batch: 625449

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD MSD		Unit	D	%Rec	%Rec		RPD	Limit
				Result	Qualifier				Limits	RPD		
1-Methylnaphthalene	<0.19		19.4	12.9		ug/L		67	36 - 120	6	30	
2-Methylnaphthalene	<0.19		19.4	12.8		ug/L		66	32 - 124	5	30	
Acenaphthene	<0.19		19.4	14.9		ug/L		77	47 - 145	8	48	
Acenaphthylene	<0.19		19.4	15.1		ug/L		78	33 - 145	8	74	
Anthracene	<0.19		19.4	14.9		ug/L		77	27 - 133	12	66	
Benzo[a]anthracene	<0.19		19.4	14.6		ug/L		76	33 - 143	12	53	
Benzo[a]pyrene	<0.19		19.4	15.1		ug/L		78	17 - 163	13	72	
Benzo[b]fluoranthene	<0.19		19.4	14.5		ug/L		75	24 - 159	14	71	
Benzo[g,h,i]perylene	<0.19		19.4	15.1		ug/L		78	1 - 219	12	97	
Benzo[k]fluoranthene	<0.19		19.4	15.4		ug/L		79	11 - 162	12	63	
Chrysene	<0.19		19.4	14.7		ug/L		76	17 - 168	13	87	
Dibenz(a,h)anthracene	<0.19		19.4	15.1		ug/L		78	1 - 227	11	126	
Fluoranthene	<0.19		19.4	14.8		ug/L		77	26 - 137	14	66	
Fluorene	<0.19		19.4	15.0		ug/L		78	59 - 121	10	38	
Indeno[1,2,3-cd]pyrene	<0.19		19.4	13.7		ug/L		71	1 - 171	12	99	
Naphthalene	<0.19		19.4	12.5		ug/L		65	21 - 133	3	65	
Phenanthrene	<0.19		19.4	14.4		ug/L		74	54 - 120	12	39	
Pyrene	<0.19		19.4	14.8		ug/L		76	52 - 120	12	49	

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol (Surr)	71		28 - 127
2-Fluorobiphenyl (Surr)	73		31 - 120
2-Fluorophenol (Surr)	52		17 - 120
Nitrobenzene-d5 (Surr)	61		27 - 120
Phenol-d6 (Surr)	33		10 - 120
p-Terphenyl-d14 (Surr)	71		45 - 120

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

Lab Sample ID: 380-170493-1 MS

Matrix: Drinking Water

Analysis Batch: 625194

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

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec	
				Result	Qualifier				Limits	RPD
Gasoline Range Organics (C4-C13)	<10		400	390		ug/L		97	68 - 122	

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QC Sample Results

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

Job ID: 380-170493-1
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)

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		38 - 134

Lab Sample ID: 380-170493-1 MSD
Matrix: Drinking Water
Analysis Batch: 625194

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)	<10		400	383		ug/L		96	68 - 122	2	18

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

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

Lab Sample ID: MB 570-625548/1-A
Matrix: Water
Analysis Batch: 626815

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 625548

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<25		25	ug/L		09/15/25 09:14	09/17/25 12:37	1
Motor Oil Range Organics [C24-C36]	<25		25	ug/L		09/15/25 09:14	09/17/25 12:37	1
C8-C18	<25		25	ug/L		09/15/25 09:14	09/17/25 12:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	96		60 - 130	09/15/25 09:14	09/17/25 12:37	1

Lab Sample ID: LCS 570-625548/2-A
Matrix: Water
Analysis Batch: 626815

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 625548

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
C10-C28	1600	1500		ug/L		94	56 - 127

Surrogate	LCS %Recovery	LCS Qualifier	Limits
n-Octacosane (Surr)	104		60 - 130

Lab Sample ID: LCSD 570-625548/3-A
Matrix: Water
Analysis Batch: 626815

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 625548

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28	1600	1540		ug/L		96	56 - 127	2	23

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

QC Sample Results

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

Job ID: 380-170493-1
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 570-625548/4-A
Matrix: Water
Analysis Batch: 626815

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 625548

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits	
C10-C28	0.0200	0.0351	^3+	mg/L		175	50 - 150	
Surrogate		MRL	MRL			%Recovery	Qualifier	Limits
<i>n-Octacosane (Surr)</i>			93					60 - 130

Lab Sample ID: 380-170493-1 MS
Matrix: Drinking Water
Analysis Batch: 626815

Client Sample ID: HALAWA WELLS UNITS 1 & 2 (331-206-TP065)
Prep Type: Total/NA
Prep Batch: 625548

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
C10-C28	<26	^3+	1620	1620		ug/L		100	70 - 130	
Surrogate		MS	MS			%Recovery	Qualifier	Limits		
<i>n-Octacosane (Surr)</i>								105		60 - 130

Lab Sample ID: 380-170493-1 MSD
Matrix: Drinking Water
Analysis Batch: 626815

Client Sample ID: HALAWA WELLS UNITS 1 & 2 (331-206-TP065)
Prep Type: Total/NA
Prep Batch: 625548

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits		RPD Limit	
											RPD	Limit
C10-C28	<26	^3+	1630	1800		ug/L		111	70 - 130	10	20	
Surrogate		MSD	MSD			%Recovery	Qualifier	Limits				
<i>n-Octacosane (Surr)</i>								108				60 - 130

QC Association Summary

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

Job ID: 380-170493-1
 SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)/Aiea
 Wells Pumps 1&2 P2

GC/MS Semi VOA

Prep Batch: 173515

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-170493-1	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)	Total/NA	Drinking Water	525.2	
380-170493-2	AIEA WELLS PUMPS 1&2 P2 (260) (331-203-TP400)	Total/NA	Drinking Water	525.2	
MB 380-173515/20-A	Method Blank	Total/NA	Water	525.2	
LCS 380-173515/22-A	Lab Control Sample	Total/NA	Water	525.2	
MRL 380-173515/21-A	Lab Control Sample	Total/NA	Water	525.2	
380-170490-P-1-A MS	Matrix Spike	Total/NA	Water	525.2	
380-170493-1 DU	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)	Total/NA	Drinking Water	525.2	

Analysis Batch: 173627

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-170493-1	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)	Total/NA	Drinking Water	525.2	173515
380-170493-2	AIEA WELLS PUMPS 1&2 P2 (260) (331-203-TP400)	Total/NA	Drinking Water	525.2	173515
MB 380-173515/20-A	Method Blank	Total/NA	Water	525.2	173515
LCS 380-173515/22-A	Lab Control Sample	Total/NA	Water	525.2	173515
MRL 380-173515/21-A	Lab Control Sample	Total/NA	Water	525.2	173515
380-170490-P-1-A MS	Matrix Spike	Total/NA	Water	525.2	173515
380-170493-1 DU	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)	Total/NA	Drinking Water	525.2	173515

Prep Batch: 625449

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-170493-1	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)	Total/NA	Drinking Water	625.1	
380-170493-2	AIEA WELLS PUMPS 1&2 P2 (260) (331-203-TP400)	Total/NA	Drinking Water	625.1	
MB 570-625449/1-A	Method Blank	Total/NA	Water	625.1	
LCS 570-625449/2-A	Lab Control Sample	Total/NA	Water	625.1	
LCSD 570-625449/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	
380-170493-1 MS	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	Total/NA	Drinking Water	625.1	
380-170493-1 MSD	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	Total/NA	Drinking Water	625.1	

Analysis Batch: 626828

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-170493-1	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)	Total/NA	Drinking Water	625.1 SIM	625449
380-170493-2	AIEA WELLS PUMPS 1&2 P2 (260) (331-203-TP400)	Total/NA	Drinking Water	625.1 SIM	625449
MB 570-625449/1-A	Method Blank	Total/NA	Water	625.1 SIM	625449
LCS 570-625449/2-A	Lab Control Sample	Total/NA	Water	625.1 SIM	625449
LCSD 570-625449/3-A	Lab Control Sample Dup	Total/NA	Water	625.1 SIM	625449
380-170493-1 MS	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	Total/NA	Drinking Water	625.1 SIM	625449
380-170493-1 MSD	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	Total/NA	Drinking Water	625.1 SIM	625449

Analysis Batch: 628768

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-170493-1	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)	Total/NA	Drinking Water	625.1	625449
380-170493-2	AIEA WELLS PUMPS 1&2 P2 (260) (331-203-TP400)	Total/NA	Drinking Water	625.1	625449
MB 570-625449/1-A	Method Blank	Total/NA	Water	625.1	625449

GC VOA

Analysis Batch: 625194

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-170493-1	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)	Total/NA	Drinking Water	8015B GRO LL	
380-170493-2	AIEA WELLS PUMPS 1&2 P2 (260) (331-203-TP400)	Total/NA	Drinking Water	8015B GRO LL	

QC Association Summary

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

Job ID: 380-170493-1
 SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)/Aiea
 Wells Pumps 1&2 P2

GC VOA (Continued)

Analysis Batch: 625194 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-170493-3	TB: HALAWA WELLS UNITS 1&2 (331-206-TP065)	Total/NA	Water	8015B GRO LL	
380-170493-4	TB: AIEA WELLS PUMPS 1&2 (260) (331-203-TP400)	Total/NA	Water	8015B GRO LL	
380-170493-1 MS	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	Total/NA	Drinking Water	8015B GRO LL	
380-170493-1 MSD	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	Total/NA	Drinking Water	8015B GRO LL	

GC Semi VOA

Prep Batch: 625548

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-170493-1	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)	Total/NA	Drinking Water	3510C	
380-170493-2	AIEA WELLS PUMPS 1&2 P2 (260) (331-203-TP400)	Total/NA	Drinking Water	3510C	
MB 570-625548/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-625548/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-625548/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MRL 570-625548/4-A	Lab Control Sample	Total/NA	Water	3510C	
380-170493-1 MS	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	Total/NA	Drinking Water	3510C	
380-170493-1 MSD	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	Total/NA	Drinking Water	3510C	

Analysis Batch: 626815

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-170493-1	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)	Total/NA	Drinking Water	8015B	625548
380-170493-2	AIEA WELLS PUMPS 1&2 P2 (260) (331-203-TP400)	Total/NA	Drinking Water	8015B	625548
MB 570-625548/1-A	Method Blank	Total/NA	Water	8015B	625548
LCS 570-625548/2-A	Lab Control Sample	Total/NA	Water	8015B	625548
LCSD 570-625548/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	625548
MRL 570-625548/4-A	Lab Control Sample	Total/NA	Water	8015B	625548
380-170493-1 MS	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	Total/NA	Drinking Water	8015B	625548
380-170493-1 MSD	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	Total/NA	Drinking Water	8015B	625548

Lab Chronicle

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

Job ID: 380-170493-1
 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: 380-170493-1

Date Collected: 09/08/25 10:24
 Date Received: 09/10/25 09:35

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			173515	KRD3	EA POM	09/11/25 09:20
Total/NA	Analysis	525.2		1	173627	Q8LA	EA POM	09/12/25 11:25
Total/NA	Prep	625.1			625449	H1SH	EET CAL 4	09/15/25 04:33
Total/NA	Analysis	625.1		1	628768	PQS1	EET CAL 4	09/22/25 10:37
Total/NA	Prep	625.1			625449	H1SH	EET CAL 4	09/15/25 04:33
Total/NA	Analysis	625.1 SIM		1	626828	PQS1	EET CAL 4	09/17/25 19:31
Total/NA	Analysis	8015B GRO LL		1	625194	W4LC	EET CAL 4	09/13/25 16:46
Total/NA	Prep	3510C			625548	TVD6	EET CAL 4	09/15/25 09:17
Total/NA	Analysis	8015B		1	626815	NR	EET CAL 4	09/17/25 14:25

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

Lab Sample ID: 380-170493-2

Date Collected: 09/08/25 11:36
 Date Received: 09/10/25 09:35

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			173515	KRD3	EA POM	09/11/25 09:20
Total/NA	Analysis	525.2		1	173627	Q8LA	EA POM	09/12/25 12:45
Total/NA	Prep	625.1			625449	H1SH	EET CAL 4	09/15/25 04:33
Total/NA	Analysis	625.1		1	628768	PQS1	EET CAL 4	09/22/25 11:01
Total/NA	Prep	625.1			625449	H1SH	EET CAL 4	09/15/25 04:33
Total/NA	Analysis	625.1 SIM		1	626828	PQS1	EET CAL 4	09/17/25 19:53
Total/NA	Analysis	8015B GRO LL		1	625194	W4LC	EET CAL 4	09/13/25 19:22
Total/NA	Prep	3510C			625548	TVD6	EET CAL 4	09/15/25 09:17
Total/NA	Analysis	8015B		1	626815	NR	EET CAL 4	09/17/25 14:47

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

Lab Sample ID: 380-170493-3

Date Collected: 09/08/25 10:24
 Date Received: 09/10/25 09:35

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015B GRO LL		1	625194	W4LC	EET CAL 4	09/13/25 22:42

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

Lab Sample ID: 380-170493-4

Date Collected: 09/08/25 11:36
 Date Received: 09/10/25 09:35

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015B GRO LL		1	625194	W4LC	EET CAL 4	09/13/25 23:02

Lab Chronicle

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

Job ID: 380-170493-1
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: 380-170493-1
 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

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

Accreditation/Certification Summary

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

Job ID: 380-170493-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)/Aiea
Wells Pumps 1&2 P2

Laboratory: Eurofins Calscience (Continued)

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

Authority	Program	Identification Number	Expiration Date
California	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: 380-170493-1
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: 380-170493-1
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
380-170493-1	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)	Drinking Water	09/08/25 10:24	09/10/25 09:35	HI0000331
380-170493-2	AIEA WELLS PUMPS 1&2 P2 (260) (331-203-TP400)	Drinking Water	09/08/25 11:36	09/10/25 09:35	HI0000331
380-170493-3	TB: HALAWA WELLS UNITS 1&2 (331-206-TP065)	Water	09/08/25 10:24	09/10/25 09:35	
380-170493-4	TB: AIEA WELLS PUMPS 1&2 (260) (331-203-TP400)	Water	09/08/25 11:36	09/10/25 09:35	

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Chain of Custody Record

Client Information		Lab PM: Lopez, Maria		Carrier Tracking No(s): 380-28005-27571	
Client Contact: Kirk Iwamoto		Phone: +1 808 748 5840		Page: Page 1 of 1	
Company: City & County of Honolulu		E-Mail: Maria.Lopez@et.eurofins.com		Job #:	
Address: 630 South Beretama Street Chemistry Lab		City: Honolulu		State of Origin:	
State, Zip: HI, 96843		Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Preservation Codes: R - NaThioSO4 RA - NaThioHCl O - Na2SO3 OA - Na2SO3/HCl Y - Trizma I - NH4 Acetate	
Phone: 808-748-5840 (Tel)		RO #: C20525101 exp 05312023		Other:	
Email: kiwamoto@hbws.org		WO #:		Total Number of Containers: <input type="checkbox"/>	
Project Name: RED-HILL/HBWS Sites		Project #: 38001111		Special Instructions/Note:	
Event Desc: RUSH Weekly Red Hill		SSOW#:			
Site: Hawaii				380-170493 COC	

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Swab, Osmetrol, etc.)	Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		RA	Q	OA	Y	I	533 - All Analytes	537.1, DW_PREC - 537.1 Full List	525.2, PREC - (MOD) 525plus Plus TICs	8015B_DRO_LL_CS - HNL Ranges C10-C24/C24-C38/C38-C18	8015B_GRO_LL - (MOD) GRO	926.1, 926.1, 91M	Analysis Requested																
					Field Filtered	MS/MSD	RA	Q																												
Halawa Wells Units 1 & 2 P1	8-Sep-2025	1024	G	Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	4	5	4	2																								
Halawa Wells Units 1 & 2 (Matrix Spike)				Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	X	X	X	X																								
Halawa Wells Units 1 & 2 (Matrix Spike Duplicate)				Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	X	X	X	X																								
TB: Halawa Wells Units 1 & 2	8-Sep-2025	1024		Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>																												
Aiea Wells Pumps 1&2 (260) P2	8-Sep-2025	1136	G	Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2	3	2	2																								
Aiea Wells Pumps 1&2 (260) (Matrix Spike)				Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>																												
Aiea Wells Pumps 1&2 (Matrix Spike Duplicate)				Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>																												
TB: Aiea Wells Pumps 1&2 (260)	8-Sep-2025	1136		Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>																												

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological

Deliverable Requested: I, II, III, IV, Other (specify)

Empty Kit Relinquished by: _____ Date: _____

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months

Special Instructions/QC Requirements: FEDEX 8842 4078 6535

Method of Shipment: 8842 4078 6546

Received by: _____ Date/Time: 09/10/25 09:55 Company: EEA

Received by: _____ Date/Time: _____ Company: _____

Received by: _____ Date/Time: _____ Company: _____

Cooler Temperature(s) °C and Other Remarks: ASIA 110.7-0.0 = 0.7 @ 1.1-0.0 = 1.1 SEE PROTEL

Custody Seal No.: _____

△ Yes △ No

Eurofins Eaton Analytical Pomona

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

Chain of Custody Record



eurofins

Loc: 380
170493

Client Information (Sub Contract Lab)		Sampler: N/A	Lab PM: Lopez, Maria	Carrier Tracking No(s): N/A	COC No: 380-250758.1						
Client Contact: Shipping/Receiving		Phone: N/A	E-Mail: Maria.Lopez@et.eurofinsus.com	State of Origin: Hawaii	Page: Page 1 of 1						
Company: Eurofins Environment Testing Southwest,			Accreditations Required (See note): State - Hawaii		Job #: 380-170493-1						
Address: 2841 Dow Avenue, Suite 100,		Due Date Requested: 9/23/2025	Analysis Requested								
City: Tustin		TAT Requested (days): N/A									
State, Zip: CA, 92780		PO #: N/A									
Phone: 714-895-5494(Tel)		WO #: N/A									
Email: N/A		Project #: 38001111	Field Filtered Sample (Yes or No) <input type="checkbox"/> Perform MS/MSD (Yes or No) <input type="checkbox"/> 8016B_DRO_LL_CS3251BC_LLHRL Ranges: C10- C24/C24-C36/C8-C18 625.1_SIM825_Prep(MOD) Extended PAH List 8016B_GRO_LL5030C(MOD) GRO								
Project Name: RED-HILL		SSOW#: N/A									
Site: Honolulu BWS Sites		Total Number of containers: <input type="checkbox"/>									
Other: N/A		Special Instructions/Note:									
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=unknown, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8016B_DRO_LL_CS3251BC_LLHRL Ranges: C10-C24/C24-C36/C8-C18	625.1_SIM825_Prep(MOD) Extended PAH List	8016B_GRO_LL5030C(MOD) GRO	Total Number of containers	Special Instructions/Note
Preservation Code: <input checked="" type="checkbox"/>											
HALAWA WELLS UNITS 1 & 2 (331-206-TP065) (380-170493-1)	9/8/25	10:24 Hawaiian	G	Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	7	MRLs are needed. Confirm any hits >RL.
HALAWA WELLS UNITS 1 & 2 (331-206-TP065) (380-170493-1M)	9/8/25	10:24 Hawaiian	G	Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3	MRLs are needed. Confirm any hits >RL.
HALAWA WELLS UNITS 1 & 2 (331-206-TP065) (380-170493-1M)	9/8/25	10:24 Hawaiian	G	Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3	MRLs are needed. Confirm any hits >RL.
AIEA WELLS PUMPS 1&2 (260) (331-203-TP400) (380-170493-2)	9/8/25	11:36 Hawaiian	G	Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	7	MRLs are needed. Confirm any hits >RL.
TB: HALAWA WELLS UNITS 1&2 (331-206-TP065) (380-170493)	9/8/25	10:24 Hawaiian	G	Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2	MRLs are needed.
TB: AIEA WELLS PUMPS 1&2 (260) (331-203-TP400) (380-1704)	9/8/25	11:36 Hawaiian	G	Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2	MRLs are needed.

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

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)		Special Instructions/QC Requirements:	
Empty Kit Relinquished by:		Date:	Time:
Relinquished by: <i>Mark Urrutia</i>		Date/Time: 9/10/25 1600	Company: ELAP
Relinquished by: <i>214</i>		Date/Time: 9-10-25 1740	Company: WP
Relinquished by:		Date/Time:	Company:
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:	
		Cooler Temperature(s) °C and Other Remarks: 1.4/1.4 I 92	

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Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-170493-1

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

Login Number: 170493

List Source: Eurofins Eaton Analytical Pomona

List Number: 1

Creator: Hernandez, Orlando

Question	Answer	Comment
The coolers custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
Samples were received on ice.	True	
Cooler(s) Temperature is acceptable.	True	
Cooler(s) Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and is legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
CIO4 headspace requirement met (>50% for CA, >30% for other states).	N/A	
Samples do not require splitting or compositing.	True	
Container provided by EEA	True	



Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-170493-1

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

Login Number: 170493

List Number: 2

Creator: Khana, Piyush

List Source: Eurofins Calscience

List Creation: 09/11/25 11:34 AM

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