

ANALYTICAL REPORT

PREPARED FOR

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

Generated 9/19/2025 3:54:21 PM

JOB DESCRIPTION

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

JOB NUMBER

380-169530-1

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

Generated
9/19/2025 3:54:21 PM

Table of Contents

Cover Page 1

Table of Contents 3

Definitions/Glossary 4

Case Narrative 5

Detection Summary 6

Client Sample Results 7

Action Limit Summary 13

Surrogate Summary 14

QC Sample Results 17

QC Association Summary 35

Lab Chronicle 37

Certification Summary 38

Method Summary 40

Sample Summary 41

Chain of Custody 42

Receipt Checklists 47



Definitions/Glossary

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

Job ID: 380-169530-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)/Aiea
Wells Pumps 1&2 P2

Qualifiers

GC/MS Semi VOA

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

GC/MS Semi VOA TICs

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

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: 380-169530-1

Job ID: 380-169530-1

Eurofins Eaton Analytical Pomona

Job Narrative 380-169530-1

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 9/4/2025 9:56 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 6 coolers at receipt time were 1.9°C, 2.1°C, 3.6°C, 4.4°C, 4.8°C and 7.2°C.

Receipt Exceptions

One cooler was received at 7.2°C, the bottles for 625 method for AIEA WELLS PUMPS 1&2 (260) P2 (331-203-TP400) (380-169530-3) were received above temperature for compliance purpose. The 625.1 and 625.1_SIM method was canceled. The site is sampled weekly thus follow up sample was collected on 09/08/25 under job # 380-170493. (XWB4)

GC/MS Semi VOA

Method 625.1_SIM: The following analyte(s) recovered outside control limits for the LCSD associated with preparation batch 570-620667 and analytical batch 570-622194: Pyrene. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported. Method 625.1_SIM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 570-620667 and analytical batch 570-622194 recovered outside control limits for the following analytes: 1-Methylnaphthalene, 2-Methylnaphthalene, Acenaphthene, Benzo[a]anthracene, Benzo[k]fluoranthene, Fluorene, Phenanthrene and Pyrene.

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

Gasoline Range Organics

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

Diesel Range Organics

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

Eurofins Eaton Analytical Pomona

Detection Summary

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

Job ID: 380-169530-1
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: 380-169530-1

(331-206-TP065)

PWSID Number: HI0000331

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin	0.034		0.0098	ug/L	1		525.2	Total/NA
Heptachlor epoxide (isomer B)	0.014		0.0098	ug/L	1		525.2	Total/NA

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

Lab Sample ID: 380-169530-2

(331-206-TP065)

No Detections.

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

Lab Sample ID: 380-169530-3

(331-203-TP400)

PWSID Number: HI0000331

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin	0.0099		0.0098	ug/L	1		525.2	Total/NA

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

Lab Sample ID: 380-169530-4

(331-203-TP400)

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Eaton Analytical Pomona

Client Sample Results

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

Job ID: 380-169530-1
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: 380-169530-1

**Date Collected: 09/02/25 10:41
Date Received: 09/04/25 09:56**

**Matrix: Drinking Water
PWSID Number: HI0000331**

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 15:07	1
2,4'-DDD	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 15:07	1
2,4'-DDE	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 15:07	1
2,4' DDT	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 15:07	1
2,4-Dinitrotoluene	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 15:07	1
2,6-Dinitrotoluene	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 15:07	1
2-Methylnaphthalene	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 15:07	1
4,4'-DDD	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 15:07	1
4,4'-DDE	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 15:07	1
4,4'-DDT	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 15:07	1
Acenaphthene	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 15:07	1
Acenaphthylene	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 15:07	1
Acetochlor	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 15:07	1
Alachlor	<0.049		0.049	ug/L		09/05/25 06:34	09/05/25 15:07	1
alpha-BHC	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 15:07	1
alpha-Chlordane	<0.049		0.049	ug/L		09/05/25 06:34	09/05/25 15:07	1
Anthracene	<0.020		0.020	ug/L		09/05/25 06:34	09/05/25 15:07	1
Atrazine	<0.049		0.049	ug/L		09/05/25 06:34	09/05/25 15:07	1
Benz(a)anthracene	<0.049		0.049	ug/L		09/05/25 06:34	09/05/25 15:07	1
Benzo[a]pyrene	<0.020		0.020	ug/L		09/05/25 06:34	09/05/25 15:07	1
Benzo[b]fluoranthene	<0.020		0.020	ug/L		09/05/25 06:34	09/05/25 15:07	1
Benzo[g,h,i]perylene	<0.049		0.049	ug/L		09/05/25 06:34	09/05/25 15:07	1
Benzo[k]fluoranthene	<0.020		0.020	ug/L		09/05/25 06:34	09/05/25 15:07	1
beta-BHC	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 15:07	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59	ug/L		09/05/25 06:34	09/05/25 15:07	1
Bromacil	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 15:07	1
Butachlor	<0.049		0.049	ug/L		09/05/25 06:34	09/05/25 15:07	1
Butylbenzylphthalate	<0.49		0.49	ug/L		09/05/25 06:34	09/05/25 15:07	1
Chlorobenzilate	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 15:07	1
Chloroneb	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 15:07	1
Chlorothalonil (Draconil, Bravo)	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 15:07	1
Chlorpyrifos	<0.049		0.049	ug/L		09/05/25 06:34	09/05/25 15:07	1
Chrysene	<0.020		0.020	ug/L		09/05/25 06:34	09/05/25 15:07	1
delta-BHC	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 15:07	1
Di(2-ethylhexyl)adipate	<0.59		0.59	ug/L		09/05/25 06:34	09/05/25 15:07	1
Dibenz(a,h)anthracene	<0.049		0.049	ug/L		09/05/25 06:34	09/05/25 15:07	1
Diclorvos (DDVP)	<0.049		0.049	ug/L		09/05/25 06:34	09/05/25 15:07	1
Dieldrin	0.034		0.0098	ug/L		09/05/25 06:34	09/05/25 15:07	1
Diethylphthalate	<0.49		0.49	ug/L		09/05/25 06:34	09/05/25 15:07	1
Dimethylphthalate	<0.49		0.49	ug/L		09/05/25 06:34	09/05/25 15:07	1
Di-n-butyl phthalate	<0.98		0.98	ug/L		09/05/25 06:34	09/05/25 15:07	1
Di-n-octyl phthalate	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 15:07	1
Endosulfan I (Alpha)	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 15:07	1
Endosulfan II (Beta)	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 15:07	1
Endosulfan sulfate	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 15:07	1
Endrin	<0.0098		0.0098	ug/L		09/05/25 06:34	09/05/25 15:07	1
Endrin aldehyde	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 15:07	1

Eurofins Eaton Analytical Pomona

Client Sample Results

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

Job ID: 380-169530-1
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: 380-169530-1

Date Collected: 09/02/25 10:41
Date Received: 09/04/25 09:56

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	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 15:07	1
Fluoranthene	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 15:07	1
Fluorene	<0.049		0.049	ug/L		09/05/25 06:34	09/05/25 15:07	1
gamma-Chlordane	0.049		0.049	ug/L		09/05/25 06:34	09/05/25 15:07	1
Heptachlor	<0.0098		0.0098	ug/L		09/05/25 06:34	09/05/25 15:07	1
Heptachlor epoxide (isomer B)	0.014		0.0098	ug/L		09/05/25 06:34	09/05/25 15:07	1
Hexachlorobenzene	<0.049		0.049	ug/L		09/05/25 06:34	09/05/25 15:07	1
Hexachlorocyclopentadiene	<0.049		0.049	ug/L		09/05/25 06:34	09/05/25 15:07	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049	ug/L		09/05/25 06:34	09/05/25 15:07	1
Isophorone	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 15:07	1
Lindane	<0.0098		0.0098	ug/L		09/05/25 06:34	09/05/25 15:07	1
Malathion	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 15:07	1
Methoxychlor	<0.049		0.049	ug/L		09/05/25 06:34	09/05/25 15:07	1
Metolachlor	<0.049		0.049	ug/L		09/05/25 06:34	09/05/25 15:07	1
Molinate	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 15:07	1
Naphthalene	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 15:07	1
Parathion	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 15:07	1
Pendimethalin (Penoxaline)	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 15:07	1
Phenanthrene	<0.039		0.039	ug/L		09/05/25 06:34	09/05/25 15:07	1
Propachlor	<0.049		0.049	ug/L		09/05/25 06:34	09/05/25 15:07	1
Pyrene	<0.049		0.049	ug/L		09/05/25 06:34	09/05/25 15:07	1
Simazine	<0.049		0.049	ug/L		09/05/25 06:34	09/05/25 15:07	1
Terbacil	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 15:07	1
Terbutylazine	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 15:07	1
Thiobencarb	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 15:07	1
Total Permethrin (mixed isomers)	<0.20		0.20	ug/L		09/05/25 06:34	09/05/25 15:07	1
trans-Nonachlor	<0.049	^+	0.049	ug/L		09/05/25 06:34	09/05/25 15:07	1
Trifluralin	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 15:07	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A	09/05/25 06:34	09/05/25 15:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	94		70 - 130	09/05/25 06:34	09/05/25 15:07	1
Perylene-d12	92		70 - 130	09/05/25 06:34	09/05/25 15:07	1
Triphenylphosphate	102		70 - 130	09/05/25 06:34	09/05/25 15:07	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	*1	0.19	ug/L		09/05/25 04:50	09/08/25 16:51	1
2-Methylnaphthalene	<0.19	*1	0.19	ug/L		09/05/25 04:50	09/08/25 16:51	1
Acenaphthene	<0.19	*1	0.19	ug/L		09/05/25 04:50	09/08/25 16:51	1
Acenaphthylene	<0.19		0.19	ug/L		09/05/25 04:50	09/08/25 16:51	1
Anthracene	<0.19		0.19	ug/L		09/05/25 04:50	09/08/25 16:51	1
Benzo[a]anthracene	<0.19	*1	0.19	ug/L		09/05/25 04:50	09/08/25 16:51	1
Benzo[a]pyrene	<0.19		0.19	ug/L		09/05/25 04:50	09/08/25 16:51	1
Benzo[b]fluoranthene	<0.19		0.19	ug/L		09/05/25 04:50	09/08/25 16:51	1
Benzo[g,h,i]perylene	<0.19		0.19	ug/L		09/05/25 04:50	09/08/25 16:51	1

Eurofins Eaton Analytical Pomona

Client Sample Results

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

Job ID: 380-169530-1
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: 380-169530-1

Date Collected: 09/02/25 10:41

Matrix: Drinking Water

Date Received: 09/04/25 09:56

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	*1	0.19	ug/L		09/05/25 04:50	09/08/25 16:51	1
Chrysene	<0.19		0.19	ug/L		09/05/25 04:50	09/08/25 16:51	1
Dibenz(a,h)anthracene	<0.19		0.19	ug/L		09/05/25 04:50	09/08/25 16:51	1
Fluoranthene	<0.19		0.19	ug/L		09/05/25 04:50	09/08/25 16:51	1
Fluorene	<0.19	*1	0.19	ug/L		09/05/25 04:50	09/08/25 16:51	1
Indeno[1,2,3-cd]pyrene	<0.19		0.19	ug/L		09/05/25 04:50	09/08/25 16:51	1
Naphthalene	<0.19		0.19	ug/L		09/05/25 04:50	09/08/25 16:51	1
Phenanthrene	<0.19	*1	0.19	ug/L		09/05/25 04:50	09/08/25 16:51	1
Pyrene	<0.19	*- *1	0.19	ug/L		09/05/25 04:50	09/08/25 16:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	89		28 - 127	09/05/25 04:50	09/08/25 16:51	1
2-Fluorobiphenyl (Surr)	79		31 - 120	09/05/25 04:50	09/08/25 16:51	1
2-Fluorophenol (Surr)	55		17 - 120	09/05/25 04:50	09/08/25 16:51	1
Nitrobenzene-d5 (Surr)	78		27 - 120	09/05/25 04:50	09/08/25 16:51	1
Phenol-d6 (Surr)	35		10 - 120	09/05/25 04:50	09/08/25 16:51	1
p-Terphenyl-d14 (Surr)	79		45 - 120	09/05/25 04:50	09/08/25 16:51	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	09/05/25 04:50	09/16/25 15:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	62		33 - 139	09/05/25 04:50	09/16/25 15:53	1
2-Fluorobiphenyl (Surr)	83		33 - 126	09/05/25 04:50	09/16/25 15:53	1
2-Fluorophenol (Surr)	51		12 - 120	09/05/25 04:50	09/16/25 15:53	1
Nitrobenzene-d5 (Surr)	81		36 - 120	09/05/25 04:50	09/16/25 15:53	1
Phenol-d6 (Surr)	31		10 - 120	09/05/25 04:50	09/16/25 15:53	1
p-Terphenyl-d14 (Surr)	86		47 - 131	09/05/25 04:50	09/16/25 15:53	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			09/07/25 13:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	72		38 - 134		09/07/25 13:48	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		09/08/25 14:16	09/14/25 19:21	1
Motor Oil Range Organics [C24-C36]	<26		26	ug/L		09/08/25 14:16	09/14/25 19:21	1
C8-C18	<26		26	ug/L		09/08/25 14:16	09/14/25 19:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	90		60 - 130	09/08/25 14:16	09/14/25 19:21	1

Eurofins Eaton Analytical Pomona

Client Sample Results

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

Job ID: 380-169530-1
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: 380-169530-2

Date Collected: 09/02/25 10:41

Matrix: Drinking Water

Date Received: 09/04/25 09:56

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			09/07/25 19:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	72		38 - 134				09/07/25 19:09	1

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

Lab Sample ID: 380-169530-3

Date Collected: 09/02/25 11:54

Matrix: Water

Date Received: 09/04/25 09:56

PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 16:30	1
2,4'-DDD	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 16:30	1
2,4'-DDE	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 16:30	1
2,4'-DDT	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 16:30	1
2,4-Dinitrotoluene	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 16:30	1
2,6-Dinitrotoluene	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 16:30	1
2-Methylnaphthalene	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 16:30	1
4,4'-DDD	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 16:30	1
4,4'-DDE	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 16:30	1
4,4'-DDT	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 16:30	1
Acenaphthene	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 16:30	1
Acenaphthylene	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 16:30	1
Acetochlor	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 16:30	1
Alachlor	<0.049		0.049	ug/L		09/05/25 06:34	09/05/25 16:30	1
alpha-BHC	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 16:30	1
alpha-Chlordane	<0.049		0.049	ug/L		09/05/25 06:34	09/05/25 16:30	1
Anthracene	<0.020		0.020	ug/L		09/05/25 06:34	09/05/25 16:30	1
Atrazine	<0.049		0.049	ug/L		09/05/25 06:34	09/05/25 16:30	1
Benz(a)anthracene	<0.049		0.049	ug/L		09/05/25 06:34	09/05/25 16:30	1
Benzo[a]pyrene	<0.020		0.020	ug/L		09/05/25 06:34	09/05/25 16:30	1
Benzo[b]fluoranthene	<0.020		0.020	ug/L		09/05/25 06:34	09/05/25 16:30	1
Benzo[g,h,i]perylene	<0.049		0.049	ug/L		09/05/25 06:34	09/05/25 16:30	1
Benzo[k]fluoranthene	<0.020		0.020	ug/L		09/05/25 06:34	09/05/25 16:30	1
beta-BHC	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 16:30	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59	ug/L		09/05/25 06:34	09/05/25 16:30	1
Bromacil	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 16:30	1
Butachlor	<0.049		0.049	ug/L		09/05/25 06:34	09/05/25 16:30	1
Butylbenzylphthalate	<0.49		0.49	ug/L		09/05/25 06:34	09/05/25 16:30	1
Chlorobenzilate	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 16:30	1
Chloroneb	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 16:30	1
Chlorothalonil (Draconil, Bravo)	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 16:30	1
Chlorpyrifos	<0.049		0.049	ug/L		09/05/25 06:34	09/05/25 16:30	1
Chrysene	<0.020		0.020	ug/L		09/05/25 06:34	09/05/25 16:30	1
delta-BHC	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 16:30	1
Di(2-ethylhexyl)adipate	<0.59		0.59	ug/L		09/05/25 06:34	09/05/25 16:30	1
Dibenz(a,h)anthracene	<0.049		0.049	ug/L		09/05/25 06:34	09/05/25 16:30	1

Eurofins Eaton Analytical Pomona

Client Sample Results

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

Job ID: 380-169530-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)/Aiea
Wells Pumps 1&2 P2

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

Lab Sample ID: 380-169530-3

Date Collected: 09/02/25 11:54

Matrix: Water

Date Received: 09/04/25 09:56

PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diclorvos (DDVP)	<0.049		0.049	ug/L		09/05/25 06:34	09/05/25 16:30	1
Dieldrin	0.0099		0.0098	ug/L		09/05/25 06:34	09/05/25 16:30	1
Diethylphthalate	<0.49		0.49	ug/L		09/05/25 06:34	09/05/25 16:30	1
Dimethylphthalate	<0.49		0.49	ug/L		09/05/25 06:34	09/05/25 16:30	1
Di-n-butyl phthalate	<0.98		0.98	ug/L		09/05/25 06:34	09/05/25 16:30	1
Di-n-octyl phthalate	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 16:30	1
Endosulfan I (Alpha)	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 16:30	1
Endosulfan II (Beta)	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 16:30	1
Endosulfan sulfate	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 16:30	1
Endrin	<0.0098		0.0098	ug/L		09/05/25 06:34	09/05/25 16:30	1
Endrin aldehyde	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 16:30	1
EPTC	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 16:30	1
Fluoranthene	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 16:30	1
Fluorene	<0.049		0.049	ug/L		09/05/25 06:34	09/05/25 16:30	1
gamma-Chlordane	<0.049		0.049	ug/L		09/05/25 06:34	09/05/25 16:30	1
Heptachlor	<0.0098		0.0098	ug/L		09/05/25 06:34	09/05/25 16:30	1
Heptachlor epoxide (isomer B)	<0.0098		0.0098	ug/L		09/05/25 06:34	09/05/25 16:30	1
Hexachlorobenzene	<0.049		0.049	ug/L		09/05/25 06:34	09/05/25 16:30	1
Hexachlorocyclopentadiene	<0.049		0.049	ug/L		09/05/25 06:34	09/05/25 16:30	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049	ug/L		09/05/25 06:34	09/05/25 16:30	1
Isophorone	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 16:30	1
Lindane	<0.0098		0.0098	ug/L		09/05/25 06:34	09/05/25 16:30	1
Malathion	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 16:30	1
Methoxychlor	<0.049		0.049	ug/L		09/05/25 06:34	09/05/25 16:30	1
Metolachlor	<0.049		0.049	ug/L		09/05/25 06:34	09/05/25 16:30	1
Molinate	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 16:30	1
Naphthalene	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 16:30	1
Parathion	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 16:30	1
Pendimethalin (Penoxaline)	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 16:30	1
Phenanthrene	<0.039		0.039	ug/L		09/05/25 06:34	09/05/25 16:30	1
Propachlor	<0.049		0.049	ug/L		09/05/25 06:34	09/05/25 16:30	1
Pyrene	<0.049		0.049	ug/L		09/05/25 06:34	09/05/25 16:30	1
Simazine	<0.049		0.049	ug/L		09/05/25 06:34	09/05/25 16:30	1
Terbacil	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 16:30	1
Terbuthylazine	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 16:30	1
Thiobencarb	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 16:30	1
Total Permethrin (mixed isomers)	<0.20		0.20	ug/L		09/05/25 06:34	09/05/25 16:30	1
trans-Nonachlor	<0.049	^+	0.049	ug/L		09/05/25 06:34	09/05/25 16:30	1
Trifluralin	<0.098		0.098	ug/L		09/05/25 06:34	09/05/25 16:30	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A	09/05/25 06:34	09/05/25 16:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	95		70 - 130	09/05/25 06:34	09/05/25 16:30	1
Perylene-d12	97		70 - 130	09/05/25 06:34	09/05/25 16:30	1
Triphenylphosphate	103		70 - 130	09/05/25 06:34	09/05/25 16:30	1

Eurofins Eaton Analytical Pomona

Client Sample Results

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

Job ID: 380-169530-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)/Aiea
Wells Pumps 1&2 P2

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

Lab Sample ID: 380-169530-3

Date Collected: 09/02/25 11:54

Matrix: Water

Date Received: 09/04/25 09:56

PWSID Number: HI0000331

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			09/07/25 14:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	68		38 - 134				09/07/25 14:12	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		09/08/25 14:16	09/14/25 19:43	1
Motor Oil Range Organics [C24-C36]	<25		25	ug/L		09/08/25 14:16	09/14/25 19:43	1
C8-C18	<25		25	ug/L		09/08/25 14:16	09/14/25 19:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	91		60 - 130			09/08/25 14:16	09/14/25 19:43	1

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

Lab Sample ID: 380-169530-4

Date Collected: 09/02/25 11:54

Matrix: Water

Date Received: 09/04/25 09:56

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			09/07/25 19:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	70		38 - 134				09/07/25 19:33	1

Action Limit Summary

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

Job ID: 380-169530-1
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: 380-169530-1

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

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

Lab Sample ID: 380-169530-3

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

Surrogate Summary

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

Job ID: 380-169530-1
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)
380-169530-1	HALAWA WELLS UNITS 1 & 2 F	94	92	102
380-169530-1 DU	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)	96	90	105

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)
380-169525-H-1-A MS	Matrix Spike	94	95	107
380-169530-3	AIEA WELLS PUMPS 1&2 (260) P2 (331-203-TP400)	95	97	103
LCS 380-172509/23-A	Lab Control Sample	93	94	105
LCSD 380-172509/24-A	Lab Control Sample Dup	93	93	105
MB 380-172509/21-A	Method Blank	95	89	103
MRL 380-172509/22-A	Lab Control Sample	93	85	106

Surrogate Legend

2NMX = 2-Nitro-m-xylene

PRY = Perylene-d12

TPP = Triphenylphosphate

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

Matrix: Drinking Water

Prep Type: Total/NA

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)
380-169530-1	HALAWA WELLS UNITS 1 & 2 F	62	83	51	81	31	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 570-620667/1-A	Method Blank	62	77	51	84	31	82

Eurofins Eaton Analytical Pomona

Surrogate Summary

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

Job ID: 380-169530-1
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)
380-169530-1	HALAWA WELLS UNITS 1 & 2 F	89	79	55	78	35	79
380-169530-1 MS	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	75	69	59	59	38	75
380-169530-1 MSD	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	84	79	63	67	40	83

Surrogate Legend

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

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (28-127)	FBP (31-120)	2FP (17-120)	NBZ (27-120)	PHL6 (10-120)	TPHd14 (45-120)
LCS 570-620667/2-A	Lab Control Sample	79	77	51	65	34	78
LCSD 570-620667/3-A	Lab Control Sample Dup	53	51	36	46	24	51
MB 570-620667/1-A	Method Blank	86	75	48	77	32	77

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)					
380-169530-1	HALAWA WELLS UNITS 1 & 2 F	72					
380-169530-1 MS	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	87					
380-169530-1 MSD	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	86					

Eurofins Eaton Analytical Pomona

Surrogate Summary

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

Job ID: 380-169530-1
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)
380-169530-2	TB: HALAWA WELLS UNITS 1 & 2	72

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)
380-169530-3	AIEA WELLS PUMPS 1&2 (260)	68
380-169530-4	TB: AIEA WELLS PUMPS 1&2 (260) (331-203-TP400)	70
LCS 570-622036/4	Lab Control Sample	82
LCSD 570-622036/5	Lab Control Sample Dup	90
MB 570-622036/6	Method Blank	67
MRL 570-622036/3	Lab Control Sample	72

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)
380-169530-1	HALAWA WELLS UNITS 1 & 2	90
380-169530-1 MS	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	85
380-169530-1 MSD	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	81

Surrogate Legend

OTCSN = n-Octacosane (Surr)

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	OTCSN1 (60-130)
380-169530-3	AIEA WELLS PUMPS 1&2 (260)	91
LCS 570-622477/2-A	Lab Control Sample	91
LCSD 570-622477/3-A	Lab Control Sample Dup	97
MB 570-622477/1-A	Method Blank	86
MRL 570-622477/4-A	Lab Control Sample	87

Surrogate Legend

OTCSN = n-Octacosane (Surr)

QC Sample Results

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

Job ID: 380-169530-1
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 380-172509/21-A

Matrix: Water

Analysis Batch: 172575

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 172509

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.099		0.099	ug/L		09/05/25 06:34	09/05/25 14:26	1
2,4'-DDD	<0.099		0.099	ug/L		09/05/25 06:34	09/05/25 14:26	1
2,4'-DDE	<0.099		0.099	ug/L		09/05/25 06:34	09/05/25 14:26	1
2,4'-DDT	<0.099		0.099	ug/L		09/05/25 06:34	09/05/25 14:26	1
2,4-Dinitrotoluene	<0.099		0.099	ug/L		09/05/25 06:34	09/05/25 14:26	1
2,6-Dinitrotoluene	<0.099		0.099	ug/L		09/05/25 06:34	09/05/25 14:26	1
2-Methylnaphthalene	<0.099		0.099	ug/L		09/05/25 06:34	09/05/25 14:26	1
4,4'-DDD	<0.099		0.099	ug/L		09/05/25 06:34	09/05/25 14:26	1
4,4'-DDE	<0.099		0.099	ug/L		09/05/25 06:34	09/05/25 14:26	1
4,4'-DDT	<0.099		0.099	ug/L		09/05/25 06:34	09/05/25 14:26	1
Acenaphthene	<0.099		0.099	ug/L		09/05/25 06:34	09/05/25 14:26	1
Acenaphthylene	<0.099		0.099	ug/L		09/05/25 06:34	09/05/25 14:26	1
Acetochlor	<0.099		0.099	ug/L		09/05/25 06:34	09/05/25 14:26	1
Alachlor	<0.050		0.050	ug/L		09/05/25 06:34	09/05/25 14:26	1
alpha-BHC	<0.099		0.099	ug/L		09/05/25 06:34	09/05/25 14:26	1
alpha-Chlordane	<0.050		0.050	ug/L		09/05/25 06:34	09/05/25 14:26	1
Anthracene	<0.020		0.020	ug/L		09/05/25 06:34	09/05/25 14:26	1
Atrazine	<0.050		0.050	ug/L		09/05/25 06:34	09/05/25 14:26	1
Benz(a)anthracene	<0.050		0.050	ug/L		09/05/25 06:34	09/05/25 14:26	1
Benzo[a]pyrene	<0.020		0.020	ug/L		09/05/25 06:34	09/05/25 14:26	1
Benzo[b]fluoranthene	<0.020		0.020	ug/L		09/05/25 06:34	09/05/25 14:26	1
Benzo[g,h,i]perylene	<0.050		0.050	ug/L		09/05/25 06:34	09/05/25 14:26	1
Benzo[k]fluoranthene	<0.020		0.020	ug/L		09/05/25 06:34	09/05/25 14:26	1
beta-BHC	<0.099		0.099	ug/L		09/05/25 06:34	09/05/25 14:26	1
Bis(2-ethylhexyl) phthalate	<0.60		0.60	ug/L		09/05/25 06:34	09/05/25 14:26	1
Bromacil	<0.099		0.099	ug/L		09/05/25 06:34	09/05/25 14:26	1
Butachlor	<0.050		0.050	ug/L		09/05/25 06:34	09/05/25 14:26	1
Butylbenzylphthalate	<0.50		0.50	ug/L		09/05/25 06:34	09/05/25 14:26	1
Chlorobenzilate	<0.099		0.099	ug/L		09/05/25 06:34	09/05/25 14:26	1
Chloroneb	<0.099		0.099	ug/L		09/05/25 06:34	09/05/25 14:26	1
Chlorothalonil (Draconil, Bravo)	<0.099		0.099	ug/L		09/05/25 06:34	09/05/25 14:26	1
Chlorpyrifos	<0.050		0.050	ug/L		09/05/25 06:34	09/05/25 14:26	1
Chrysene	<0.020		0.020	ug/L		09/05/25 06:34	09/05/25 14:26	1
delta-BHC	<0.099		0.099	ug/L		09/05/25 06:34	09/05/25 14:26	1
Di(2-ethylhexyl)adipate	<0.60		0.60	ug/L		09/05/25 06:34	09/05/25 14:26	1
Dibenz(a,h)anthracene	<0.050		0.050	ug/L		09/05/25 06:34	09/05/25 14:26	1
Diclorvos (DDVP)	<0.050		0.050	ug/L		09/05/25 06:34	09/05/25 14:26	1
Dieldrin	<0.0099		0.0099	ug/L		09/05/25 06:34	09/05/25 14:26	1
Diethylphthalate	<0.50		0.50	ug/L		09/05/25 06:34	09/05/25 14:26	1
Dimethylphthalate	<0.50		0.50	ug/L		09/05/25 06:34	09/05/25 14:26	1
Di-n-butyl phthalate	<0.99		0.99	ug/L		09/05/25 06:34	09/05/25 14:26	1
Di-n-octyl phthalate	<0.099		0.099	ug/L		09/05/25 06:34	09/05/25 14:26	1
Endosulfan I (Alpha)	<0.099		0.099	ug/L		09/05/25 06:34	09/05/25 14:26	1
Endosulfan II (Beta)	<0.099		0.099	ug/L		09/05/25 06:34	09/05/25 14:26	1
Endosulfan sulfate	<0.099		0.099	ug/L		09/05/25 06:34	09/05/25 14:26	1
Endrin	<0.0099		0.0099	ug/L		09/05/25 06:34	09/05/25 14:26	1
Endrin aldehyde	<0.099		0.099	ug/L		09/05/25 06:34	09/05/25 14:26	1

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-169530-1
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 380-172509/21-A

Matrix: Water

Analysis Batch: 172575

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 172509

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
EPTC	<0.099		0.099	ug/L		09/05/25 06:34	09/05/25 14:26	1
Fluoranthene	<0.099		0.099	ug/L		09/05/25 06:34	09/05/25 14:26	1
Fluorene	<0.050		0.050	ug/L		09/05/25 06:34	09/05/25 14:26	1
gamma-Chlordane	<0.050		0.050	ug/L		09/05/25 06:34	09/05/25 14:26	1
Heptachlor	<0.0099		0.0099	ug/L		09/05/25 06:34	09/05/25 14:26	1
Heptachlor epoxide (isomer B)	<0.0099		0.0099	ug/L		09/05/25 06:34	09/05/25 14:26	1
Hexachlorobenzene	<0.050		0.050	ug/L		09/05/25 06:34	09/05/25 14:26	1
Hexachlorocyclopentadiene	<0.050		0.050	ug/L		09/05/25 06:34	09/05/25 14:26	1
Indeno[1,2,3-cd]pyrene	<0.050		0.050	ug/L		09/05/25 06:34	09/05/25 14:26	1
Isophorone	<0.099		0.099	ug/L		09/05/25 06:34	09/05/25 14:26	1
Lindane	<0.0099		0.0099	ug/L		09/05/25 06:34	09/05/25 14:26	1
Malathion	<0.099		0.099	ug/L		09/05/25 06:34	09/05/25 14:26	1
Methoxychlor	<0.050		0.050	ug/L		09/05/25 06:34	09/05/25 14:26	1
Metolachlor	<0.050		0.050	ug/L		09/05/25 06:34	09/05/25 14:26	1
Molinate	<0.099		0.099	ug/L		09/05/25 06:34	09/05/25 14:26	1
Naphthalene	<0.099		0.099	ug/L		09/05/25 06:34	09/05/25 14:26	1
Parathion	<0.099		0.099	ug/L		09/05/25 06:34	09/05/25 14:26	1
Pendimethalin (Penoxaline)	<0.099		0.099	ug/L		09/05/25 06:34	09/05/25 14:26	1
Phenanthrene	<0.040		0.040	ug/L		09/05/25 06:34	09/05/25 14:26	1
Propachlor	<0.050		0.050	ug/L		09/05/25 06:34	09/05/25 14:26	1
Pyrene	<0.050		0.050	ug/L		09/05/25 06:34	09/05/25 14:26	1
Simazine	<0.050		0.050	ug/L		09/05/25 06:34	09/05/25 14:26	1
Terbacil	<0.099		0.099	ug/L		09/05/25 06:34	09/05/25 14:26	1
Terbutylazine	<0.099		0.099	ug/L		09/05/25 06:34	09/05/25 14:26	1
Thiobencarb	<0.099		0.099	ug/L		09/05/25 06:34	09/05/25 14:26	1
Total Permethrin (mixed isomers)	<0.20		0.20	ug/L		09/05/25 06:34	09/05/25 14:26	1
trans-Nonachlor	<0.050		0.050	ug/L		09/05/25 06:34	09/05/25 14:26	1
Trifluralin	<0.099		0.099	ug/L		09/05/25 06:34	09/05/25 14:26	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Decane	2.24	T J N	ug/L		2.69	124-18-5	09/05/25 06:34	09/05/25 14:26	1
Phenol, p-tert-butyl-	0.624	T J N	ug/L		3.78	98-54-4	09/05/25 06:34	09/05/25 14:26	1
9-Octadecenamide, (Z)-	1.00	T J N	ug/L		7.75	301-02-0	09/05/25 06:34	09/05/25 14:26	1
13-Docosenamide, (Z)-	0.597	T J N	ug/L		10.25	112-84-5	09/05/25 06:34	09/05/25 14:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	95		70 - 130	09/05/25 06:34	09/05/25 14:26	1
Perylene-d12	89		70 - 130	09/05/25 06:34	09/05/25 14:26	1
Triphenylphosphate	103		70 - 130	09/05/25 06:34	09/05/25 14:26	1

Lab Sample ID: LCS 380-172509/23-A

Matrix: Water

Analysis Batch: 172575

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 172509

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	1.98	1.86		ug/L		94	70 - 130
2,4'-DDD	1.98	2.18		ug/L		110	70 - 130

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-169530-1
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 380-172509/23-A

Matrix: Water

Analysis Batch: 172575

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 172509

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4'-DDE	1.98	2.06		ug/L		104	70 - 130
2,4'-DDT	1.98	1.97		ug/L		99	70 - 130
2,4-Dinitrotoluene	1.98	1.91		ug/L		96	70 - 130
2,6-Dinitrotoluene	1.98	1.73		ug/L		87	70 - 130
2-Methylnaphthalene	1.98	1.87		ug/L		94	70 - 130
4,4'-DDD	1.98	2.12		ug/L		107	70 - 130
4,4'-DDE	1.98	2.03		ug/L		102	70 - 130
4,4'-DDT	1.98	1.92		ug/L		97	70 - 130
Acenaphthene	1.98	1.87		ug/L		95	70 - 130
Acenaphthylene	1.98	1.99		ug/L		101	70 - 130
Acetochlor	1.98	2.13		ug/L		107	70 - 130
Alachlor	1.98	2.06		ug/L		104	70 - 130
alpha-BHC	1.98	1.92		ug/L		97	70 - 130
alpha-Chlordane	1.98	2.34		ug/L		118	70 - 130
Anthracene	1.98	1.79		ug/L		90	70 - 130
Atrazine	1.98	2.08		ug/L		105	70 - 130
Benz(a)anthracene	1.98	1.89		ug/L		95	70 - 130
Benzo[a]pyrene	1.98	2.05		ug/L		103	70 - 130
Benzo[b]fluoranthene	1.98	2.04		ug/L		103	70 - 130
Benzo[g,h,i]perylene	1.98	1.81		ug/L		91	70 - 130
Benzo[k]fluoranthene	1.98	2.14		ug/L		108	70 - 130
beta-BHC	1.98	2.00		ug/L		101	70 - 130
Bis(2-ethylhexyl) phthalate	1.98	1.78		ug/L		90	70 - 130
Bromacil	1.98	1.92		ug/L		97	70 - 130
Butachlor	1.98	1.99		ug/L		100	70 - 130
Butylbenzylphthalate	1.98	1.94		ug/L		98	70 - 130
Chlorobenzilate	1.98	1.94		ug/L		98	70 - 130
Chloroneb	1.98	2.01		ug/L		102	70 - 130
Chlorothalonil (Draconil, Bravo)	1.98	2.16		ug/L		109	70 - 130
Chlorpyrifos	1.98	2.12		ug/L		107	70 - 130
Chrysene	1.98	1.97		ug/L		100	70 - 130
delta-BHC	1.98	1.89		ug/L		95	70 - 130
Di(2-ethylhexyl)adipate	1.98	1.89		ug/L		95	70 - 130
Dibenz(a,h)anthracene	1.98	1.90		ug/L		96	70 - 130
Diclorvos (DDVP)	1.98	2.06		ug/L		104	70 - 130
Dieldrin	1.98	2.03		ug/L		103	70 - 130
Diethylphthalate	1.98	2.07		ug/L		104	70 - 130
Dimethylphthalate	1.98	1.98		ug/L		100	70 - 130
Di-n-butyl phthalate	3.96	4.39		ug/L		111	70 - 130
Di-n-octyl phthalate	1.98	1.94		ug/L		98	70 - 130
Endosulfan I (Alpha)	1.98	2.00		ug/L		101	70 - 130
Endosulfan II (Beta)	1.98	1.91		ug/L		96	70 - 130
Endosulfan sulfate	1.98	1.96		ug/L		99	70 - 130
Endrin	1.98	2.28		ug/L		115	70 - 130
Endrin aldehyde	1.98	1.94		ug/L		98	60 - 130
EPTC	1.98	2.04		ug/L		103	70 - 130
Fluoranthene	1.98	2.01		ug/L		101	70 - 130
Fluorene	1.98	1.95		ug/L		98	70 - 130

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-169530-1
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 380-172509/23-A

Matrix: Water

Analysis Batch: 172575

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 172509

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
gamma-Chlordane	1.98	2.31		ug/L		117	70 - 130
Heptachlor	1.98	2.21		ug/L		112	70 - 130
Heptachlor epoxide (isomer B)	1.98	2.12		ug/L		107	70 - 130
Hexachlorobenzene	1.98	2.03		ug/L		102	70 - 130
Hexachlorocyclopentadiene	1.98	2.22		ug/L		112	70 - 130
Indeno[1,2,3-cd]pyrene	1.98	2.07		ug/L		104	70 - 130
Isophorone	1.98	2.14		ug/L		108	70 - 130
Lindane	1.98	2.11		ug/L		107	70 - 130
Malathion	1.98	1.95		ug/L		99	70 - 130
Methoxychlor	1.98	2.14		ug/L		108	70 - 130
Metolachlor	1.98	2.15		ug/L		108	70 - 130
Molinate	1.98	2.05		ug/L		103	70 - 130
Naphthalene	1.98	1.92		ug/L		97	70 - 130
Parathion	1.98	1.88		ug/L		95	70 - 130
Pendimethalin (Penoxaline)	1.98	2.11		ug/L		106	70 - 130
Phenanthrene	1.98	1.80		ug/L		91	70 - 130
Propachlor	1.98	2.02		ug/L		102	70 - 130
Pyrene	1.98	2.08		ug/L		105	70 - 130
Simazine	1.98	1.93		ug/L		97	70 - 130
Terbacil	1.98	2.07		ug/L		104	70 - 130
Terbutylazine	1.98	2.08		ug/L		105	70 - 130
Thiobencarb	1.98	2.01		ug/L		101	70 - 130
trans-Nonachlor	1.98	2.38		ug/L		120	70 - 130
Trifluralin	1.98	2.11		ug/L		106	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Nitro-m-xylene	93		70 - 130
Perylene-d12	94		70 - 130
Triphenylphosphate	105		70 - 130

Lab Sample ID: LCSD 380-172509/24-A

Matrix: Water

Analysis Batch: 172575

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 172509

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	1.99	1.88		ug/L		95	70 - 130	1	20
2,4'-DDD	1.99	2.19		ug/L		110	70 - 130	1	20
2,4'-DDE	1.99	2.09		ug/L		105	70 - 130	1	20
2,4'-DDT	1.99	1.98		ug/L		100	70 - 130	1	20
2,4-Dinitrotoluene	1.99	1.91		ug/L		96	70 - 130	0	20
2,6-Dinitrotoluene	1.99	1.72		ug/L		87	70 - 130	0	20
2-Methylnaphthalene	1.99	1.86		ug/L		94	70 - 130	0	20
4,4'-DDD	1.99	2.14		ug/L		108	70 - 130	1	20
4,4'-DDE	1.99	2.00		ug/L		101	70 - 130	1	20
4,4'-DDT	1.99	1.89		ug/L		95	70 - 130	1	20
Acenaphthene	1.99	1.86		ug/L		94	70 - 130	1	20
Acenaphthylene	1.99	2.02		ug/L		101	70 - 130	1	20

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-169530-1
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: LCSD 380-172509/24-A

Matrix: Water

Analysis Batch: 172575

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 172509

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetochlor	1.99	2.09		ug/L		105	70 - 130	2	20
Alachlor	1.99	2.04		ug/L		103	70 - 130	1	20
alpha-BHC	1.99	1.98		ug/L		100	70 - 130	3	20
alpha-Chlordane	1.99	2.35		ug/L		118	70 - 130	1	20
Anthracene	1.99	1.82		ug/L		91	70 - 130	2	20
Atrazine	1.99	2.06		ug/L		103	70 - 130	1	20
Benz(a)anthracene	1.99	1.91		ug/L		96	70 - 130	1	20
Benzo[a]pyrene	1.99	2.08		ug/L		105	70 - 130	2	20
Benzo[b]fluoranthene	1.99	2.07		ug/L		104	70 - 130	1	20
Benzo[g,h,i]perylene	1.99	1.85		ug/L		93	70 - 130	2	20
Benzo[k]fluoranthene	1.99	2.18		ug/L		110	70 - 130	2	20
beta-BHC	1.99	2.00		ug/L		101	70 - 130	0	20
Bis(2-ethylhexyl) phthalate	1.99	1.77		ug/L		89	70 - 130	1	20
Bromacil	1.99	1.93		ug/L		97	70 - 130	0	20
Butachlor	1.99	2.03		ug/L		102	70 - 130	2	20
Butylbenzylphthalate	1.99	1.93		ug/L		97	70 - 130	1	20
Chlorobenzilate	1.99	1.95		ug/L		98	70 - 130	1	20
Chloroneb	1.99	1.99		ug/L		100	70 - 130	1	20
Chlorothalonil (Draconil, Bravo)	1.99	2.18		ug/L		110	70 - 130	1	20
Chlorpyrifos	1.99	2.13		ug/L		107	70 - 130	1	20
Chrysene	1.99	2.05		ug/L		103	70 - 130	4	20
delta-BHC	1.99	1.88		ug/L		95	70 - 130	0	20
Di(2-ethylhexyl)adipate	1.99	1.82		ug/L		92	70 - 130	3	20
Dibenz(a,h)anthracene	1.99	1.87		ug/L		94	70 - 130	2	20
Diclorvos (DDVP)	1.99	1.98		ug/L		100	70 - 130	4	20
Dieldrin	1.99	2.05		ug/L		103	70 - 130	1	20
Diethylphthalate	1.99	2.07		ug/L		104	70 - 130	0	20
Dimethylphthalate	1.99	1.97		ug/L		99	70 - 130	0	20
Di-n-butyl phthalate	3.97	4.43		ug/L		112	70 - 130	1	20
Di-n-octyl phthalate	1.99	1.91		ug/L		96	70 - 130	1	20
Endosulfan I (Alpha)	1.99	2.03		ug/L		102	70 - 130	1	20
Endosulfan II (Beta)	1.99	1.90		ug/L		96	70 - 130	0	20
Endosulfan sulfate	1.99	1.97		ug/L		99	70 - 130	1	20
Endrin	1.99	2.30		ug/L		116	70 - 130	1	20
Endrin aldehyde	1.99	2.01		ug/L		101	60 - 130	4	20
EPTC	1.99	2.06		ug/L		104	70 - 130	1	20
Fluoranthene	1.99	2.03		ug/L		102	70 - 130	1	20
Fluorene	1.99	1.95		ug/L		98	70 - 130	0	20
gamma-Chlordane	1.99	2.30		ug/L		116	70 - 130	1	20
Heptachlor	1.99	2.27		ug/L		114	70 - 130	2	20
Heptachlor epoxide (isomer B)	1.99	2.11		ug/L		106	70 - 130	0	20
Hexachlorobenzene	1.99	2.02		ug/L		102	70 - 130	0	20
Hexachlorocyclopentadiene	1.99	2.16		ug/L		109	70 - 130	3	20
Indeno[1,2,3-cd]pyrene	1.99	2.00		ug/L		101	70 - 130	3	20
Isophorone	1.99	2.15		ug/L		108	70 - 130	0	20
Lindane	1.99	2.15		ug/L		108	70 - 130	2	20
Malathion	1.99	1.95		ug/L		98	70 - 130	0	20
Methoxychlor	1.99	2.21		ug/L		111	70 - 130	3	20

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-169530-1
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: LCSD 380-172509/24-A

Matrix: Water

Analysis Batch: 172575

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 172509

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Metolachlor	1.99	2.15		ug/L		108	70 - 130	0	20
Molinate	1.99	2.03		ug/L		102	70 - 130	1	20
Naphthalene	1.99	1.90		ug/L		96	70 - 130	1	20
Parathion	1.99	1.91		ug/L		96	70 - 130	1	20
Pendimethalin (Penoxaline)	1.99	2.18		ug/L		110	70 - 130	3	20
Phenanthrene	1.99	1.81		ug/L		91	70 - 130	1	20
Propachlor	1.99	2.07		ug/L		104	70 - 130	2	20
Pyrene	1.99	2.09		ug/L		105	70 - 130	0	20
Simazine	1.99	1.86		ug/L		94	70 - 130	4	20
Terbacil	1.99	2.04		ug/L		103	70 - 130	1	20
Terbutylazine	1.99	2.11		ug/L		106	70 - 130	1	20
Thiobencarb	1.99	2.04		ug/L		103	70 - 130	2	20
trans-Nonachlor	1.99	2.39		ug/L		120	70 - 130	0	20
Trifluralin	1.99	2.15		ug/L		108	70 - 130	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Nitro-m-xylene	93		70 - 130
Perylene-d12	93		70 - 130
Triphenylphosphate	105		70 - 130

Lab Sample ID: MRL 380-172509/22-A

Matrix: Water

Analysis Batch: 172575

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 172509

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	0.0994	0.109		ug/L		110	50 - 150
2,4'-DDD	0.0994	0.0861	J	ug/L		87	50 - 150
2,4'-DDE	0.0994	0.0960	J	ug/L		97	50 - 150
2,4'-DDT	0.0994	0.109		ug/L		110	50 - 150
2,4-Dinitrotoluene	0.0994	0.0858	J	ug/L		86	50 - 150
2,6-Dinitrotoluene	0.0994	0.0886	J	ug/L		89	50 - 150
2-Methylnaphthalene	0.0994	0.0973	J	ug/L		98	50 - 150
4,4'-DDD	0.0994	0.0909	J	ug/L		91	50 - 150
4,4'-DDE	0.0994	0.0862	J	ug/L		87	50 - 150
4,4'-DDT	0.0994	0.114		ug/L		115	50 - 150
Acenaphthene	0.0994	0.0893	J	ug/L		90	50 - 150
Acenaphthylene	0.0994	0.0831	J	ug/L		84	50 - 150
Acetochlor	0.0994	0.102		ug/L		103	50 - 150
Alachlor	0.0497	0.0483	J	ug/L		97	50 - 150
alpha-BHC	0.0994	0.0910	J	ug/L		92	50 - 150
alpha-Chlordane	0.0249	<0.029		ug/L		95	50 - 150
Anthracene	0.0199	0.0200		ug/L		101	50 - 150
Atrazine	0.0497	0.0482	J	ug/L		97	50 - 150
Benz(a)anthracene	0.0497	0.0454	J	ug/L		91	50 - 150
Benzo[a]pyrene	0.0199	0.0206		ug/L		104	50 - 150
Benzo[b]fluoranthene	0.0199	0.0218		ug/L		109	50 - 150
Benzo[g,h,i]perylene	0.0497	0.0538		ug/L		108	50 - 150

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-169530-1
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 380-172509/22-A

Matrix: Water

Analysis Batch: 172575

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 172509

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Benzo[k]fluoranthene	0.0199	0.0225		ug/L		113	50 - 150
beta-BHC	0.0994	0.0988	J	ug/L		99	50 - 150
Bis(2-ethylhexyl) phthalate	0.596	0.512	J	ug/L		86	50 - 150
Bromacil	0.0994	0.116		ug/L		116	50 - 150
Butachlor	0.0497	0.0577		ug/L		116	50 - 150
Butylbenzylphthalate	0.497	0.496	J	ug/L		100	50 - 150
Chlorobenzilate	0.0994	0.103		ug/L		104	50 - 150
Chloroneb	0.0994	0.0931	J	ug/L		94	50 - 150
Chlorothalonil (Draconil, Bravo)	0.0994	0.0801	J	ug/L		81	50 - 150
Chlorpyrifos	0.0497	0.0468	J	ug/L		94	50 - 150
Chrysene	0.0199	0.0142	J	ug/L		71	50 - 150
delta-BHC	0.0994	0.0858	J	ug/L		86	50 - 150
Di(2-ethylhexyl)adipate	0.596	0.579	J	ug/L		97	50 - 150
Dibenz(a,h)anthracene	0.0497	0.0519		ug/L		105	50 - 150
Diclorvos (DDVP)	0.0497	0.0510		ug/L		103	50 - 150
Dieldrin	0.00994	0.0125		ug/L		126	50 - 150
Diethylphthalate	0.497	0.493	J	ug/L		99	50 - 150
Dimethylphthalate	0.497	0.471	J	ug/L		95	50 - 150
Di-n-butyl phthalate	0.497	0.625	J	ug/L		126	49 - 243
Di-n-octyl phthalate	0.0994	0.0957	J	ug/L		96	50 - 150
Endosulfan I (Alpha)	0.0994	0.0833	J	ug/L		84	50 - 150
Endosulfan II (Beta)	0.0994	0.0915	J	ug/L		92	50 - 150
Endosulfan sulfate	0.0994	0.112		ug/L		113	50 - 150
Endrin	0.00994	0.00814	J	ug/L		82	50 - 150
Endrin aldehyde	0.0994	0.122		ug/L		122	50 - 150
EPTC	0.0994	0.0927	J	ug/L		93	50 - 150
Fluoranthene	0.0994	0.0822	J	ug/L		83	50 - 150
Fluorene	0.0497	<0.050		ug/L		86	50 - 150
gamma-Chlordane	0.0249	0.0218	J	ug/L		88	50 - 150
Heptachlor	0.00994	0.0114		ug/L		115	50 - 150
Heptachlor epoxide (isomer B)	0.00994	0.0100		ug/L		101	50 - 150
Hexachlorobenzene	0.0497	0.0466	J	ug/L		94	50 - 150
Hexachlorocyclopentadiene	0.0497	0.0399	J	ug/L		80	50 - 150
Indeno[1,2,3-cd]pyrene	0.0497	0.0490	J	ug/L		99	50 - 150
Isophorone	0.0994	0.119		ug/L		120	50 - 150
Lindane	0.00994	0.0118		ug/L		118	50 - 150
Malathion	0.0994	0.100		ug/L		101	50 - 150
Methoxychlor	0.0497	0.0549		ug/L		111	50 - 150
Metolachlor	0.0497	0.0536		ug/L		108	50 - 150
Molinate	0.0994	0.0932	J	ug/L		94	50 - 150
Naphthalene	0.0994	0.107		ug/L		107	50 - 150
Parathion	0.0994	0.0913	J	ug/L		92	50 - 150
Pendimethalin (Penoxaline)	0.0994	0.101		ug/L		102	50 - 150
Phenanthrene	0.0398	0.0361	J	ug/L		91	50 - 150
Propachlor	0.0497	0.0532		ug/L		107	50 - 150
Pyrene	0.0497	0.0424	J	ug/L		85	50 - 150
Simazine	0.0497	0.0532		ug/L		107	50 - 150
Terbacil	0.0994	0.117		ug/L		118	50 - 150

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-169530-1
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 380-172509/22-A

Matrix: Water

Analysis Batch: 172575

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 172509

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Terbutylazine	0.0994	0.101		ug/L		102	50 - 150
Thiobencarb	0.0994	0.0882	J	ug/L		89	50 - 150
trans-Nonachlor	0.0249	<0.026		ug/L		99	50 - 150
Trifluralin	0.0994	0.103		ug/L		103	50 - 150

Surrogate	MRL %Recovery	MRL Qualifier	Limits
2-Nitro-m-xylene	93		70 - 130
Perylene-d12	85		70 - 130
Triphenylphosphate	106		70 - 130

Lab Sample ID: 380-169525-H-1-A MS

Matrix: Water

Analysis Batch: 172575

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 172509

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.098		1.94	1.85		ug/L		95	70 - 130
2,4'-DDD	<0.098		1.94	2.18		ug/L		113	70 - 130
2,4'-DDE	<0.098		1.94	2.03		ug/L		105	70 - 130
2,4'-DDT	<0.098		1.94	1.92		ug/L		99	70 - 130
2,4-Dinitrotoluene	<0.098		1.94	1.94		ug/L		100	70 - 130
2,6-Dinitrotoluene	<0.098		1.94	1.74		ug/L		90	70 - 130
2-Methylnaphthalene	<0.098		1.94	1.84		ug/L		95	70 - 130
4,4'-DDD	<0.098		1.94	2.09		ug/L		108	70 - 130
4,4'-DDE	<0.098		1.94	1.92		ug/L		99	70 - 130
4,4'-DDT	<0.098		1.94	1.86		ug/L		96	70 - 130
Acenaphthene	<0.098		1.94	1.84		ug/L		95	70 - 130
Acenaphthylene	<0.098		1.94	1.98		ug/L		102	70 - 130
Acetochlor	<0.098		1.94	2.10		ug/L		109	70 - 130
Alachlor	<0.049		1.94	2.01		ug/L		104	70 - 130
alpha-BHC	<0.098		1.94	1.90		ug/L		98	70 - 130
alpha-Chlordane	<0.049		1.94	2.36		ug/L		120	70 - 130
Anthracene	<0.020		1.94	1.78		ug/L		92	70 - 130
Atrazine	<0.049		1.94	2.06		ug/L		106	70 - 130
Benz(a)anthracene	<0.049		1.94	1.90		ug/L		98	70 - 130
Benzo[a]pyrene	<0.020		1.94	2.06		ug/L		106	70 - 130
Benzo[b]fluoranthene	<0.020		1.94	2.04		ug/L		105	70 - 130
Benzo[g,h,i]perylene	<0.049		1.94	1.82		ug/L		94	70 - 130
Benzo[k]fluoranthene	<0.020		1.94	2.13		ug/L		110	70 - 130
beta-BHC	<0.098		1.94	1.97		ug/L		102	70 - 130
Bis(2-ethylhexyl) phthalate	<0.59		1.94	1.63		ug/L		84	70 - 130
Bromacil	<0.098		1.94	1.96		ug/L		99	70 - 130
Butachlor	<0.049		1.94	1.99		ug/L		103	70 - 130
Butylbenzylphthalate	<0.49		1.94	1.93		ug/L		100	70 - 130
Chlorobenzilate	<0.098		1.94	1.92		ug/L		99	70 - 130
Chloroneb	<0.098		1.94	1.96		ug/L		101	70 - 130
Chlorothalonil (Draconil, Bravo)	<0.098		1.94	2.11		ug/L		109	70 - 130
Chlorpyrifos	<0.049		1.94	2.07		ug/L		107	70 - 130

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-169530-1
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: 380-169525-H-1-A MS

Matrix: Water

Analysis Batch: 172575

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 172509

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chrysene	<0.020		1.94	1.98		ug/L		102	70 - 130
delta-BHC	<0.098		1.94	1.86		ug/L		96	70 - 130
Di(2-ethylhexyl)adipate	<0.59		1.94	1.74		ug/L		90	70 - 130
Dibenz(a,h)anthracene	<0.049		1.94	1.85		ug/L		96	70 - 130
Diclorvos (DDVP)	<0.049		1.94	1.98		ug/L		102	70 - 130
Dieldrin	0.072		1.94	2.10		ug/L		105	70 - 130
Diethylphthalate	<0.49		1.94	2.03		ug/L		105	70 - 130
Dimethylphthalate	<0.49		1.94	1.95		ug/L		101	70 - 130
Di-n-butyl phthalate	<0.98		3.87	4.39		ug/L		108	70 - 130
Di-n-octyl phthalate	<0.098		1.94	1.75		ug/L		91	70 - 130
Endosulfan I (Alpha)	<0.098		1.94	1.99		ug/L		103	70 - 130
Endosulfan II (Beta)	<0.098		1.94	1.89		ug/L		97	70 - 130
Endosulfan sulfate	<0.098		1.94	1.90		ug/L		98	70 - 130
Endrin	<0.0098		1.94	2.28		ug/L		118	70 - 130
Endrin aldehyde	<0.098		1.94	1.96		ug/L		101	60 - 130
EPTC	<0.098		1.94	2.00		ug/L		103	70 - 130
Fluoranthene	<0.098		1.94	2.00		ug/L		103	70 - 130
Fluorene	<0.049		1.94	1.93		ug/L		99	70 - 130
gamma-Chlordane	<0.049		1.94	2.29		ug/L		117	70 - 130
Heptachlor	<0.0098		1.94	2.22		ug/L		115	70 - 130
Heptachlor epoxide (isomer B)	0.012		1.94	2.13		ug/L		109	70 - 130
Hexachlorobenzene	<0.049		1.94	2.00		ug/L		103	70 - 130
Hexachlorocyclopentadiene	<0.049		1.94	2.24		ug/L		116	70 - 130
Indeno[1,2,3-cd]pyrene	<0.049		1.94	2.00		ug/L		103	70 - 130
Isophorone	<0.098		1.94	2.11		ug/L		109	70 - 130
Lindane	<0.0098		1.94	2.09		ug/L		108	70 - 130
Malathion	<0.098		1.94	1.97		ug/L		101	70 - 130
Methoxychlor	<0.049		1.94	2.20		ug/L		113	70 - 130
Metolachlor	<0.049		1.94	2.11		ug/L		109	70 - 130
Molinate	<0.098		1.94	2.02		ug/L		104	70 - 130
Naphthalene	<0.098		1.94	1.88		ug/L		97	70 - 130
Parathion	<0.098		1.94	1.91		ug/L		99	70 - 130
Pendimethalin (Penoxaline)	<0.098		1.94	2.18		ug/L		113	70 - 130
Phenanthrene	<0.039		1.94	1.76		ug/L		91	70 - 130
Propachlor	<0.049		1.94	2.03		ug/L		105	70 - 130
Pyrene	<0.049		1.94	2.05		ug/L		106	70 - 130
Simazine	<0.049		1.94	1.89		ug/L		98	70 - 130
Terbacil	<0.098		1.94	2.06		ug/L		106	70 - 130
Terbutylazine	<0.098		1.94	2.08		ug/L		107	70 - 130
Thiobencarb	<0.098		1.94	1.98		ug/L		102	70 - 130
trans-Nonachlor	<0.049	^+	1.94	2.35		ug/L		121	70 - 130
Trifluralin	<0.098		1.94	2.16		ug/L		111	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Nitro-m-xylene	94		70 - 130
Perylene-d12	95		70 - 130
Triphenylphosphate	107		70 - 130

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-169530-1
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: 380-169530-1 DU

Matrix: Drinking Water

Analysis Batch: 172575

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

Prep Type: Total/NA

Prep Batch: 172509

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
1-Methylnaphthalene	<0.098		<0.098		ug/L		NC	20
2,4'-DDD	<0.098		<0.098		ug/L		NC	20
2,4'-DDE	<0.098		<0.098		ug/L		NC	20
2,4'-DDT	<0.098		<0.098		ug/L		NC	20
2,4-Dinitrotoluene	<0.098		<0.098		ug/L		NC	20
2,6-Dinitrotoluene	<0.098		<0.098		ug/L		NC	20
2-Methylnaphthalene	<0.098		<0.098		ug/L		NC	20
4,4'-DDD	<0.098		<0.098		ug/L		NC	20
4,4'-DDE	<0.098		<0.098		ug/L		NC	20
4,4'-DDT	<0.098		<0.098		ug/L		NC	20
Acenaphthene	<0.098		<0.098		ug/L		NC	20
Acenaphthylene	<0.098		<0.098		ug/L		NC	20
Acetochlor	<0.098		<0.098		ug/L		NC	20
Alachlor	<0.049		<0.049		ug/L		NC	20
alpha-BHC	<0.098		<0.098		ug/L		NC	20
alpha-Chlordane	<0.049		<0.049		ug/L		NC	20
Anthracene	<0.020		<0.020		ug/L		NC	20
Atrazine	<0.049		<0.049		ug/L		NC	20
Benz(a)anthracene	<0.049		<0.049		ug/L		NC	20
Benzo[a]pyrene	<0.020		<0.020		ug/L		NC	20
Benzo[b]fluoranthene	<0.020		<0.020		ug/L		NC	20
Benzo[g,h,i]perylene	<0.049		<0.049		ug/L		NC	20
Benzo[k]fluoranthene	<0.020		<0.020		ug/L		NC	20
beta-BHC	<0.098		<0.098		ug/L		NC	20
Bis(2-ethylhexyl) phthalate	<0.59		<0.59		ug/L		NC	20
Bromacil	<0.098		<0.098		ug/L		NC	20
Butachlor	<0.049		<0.049		ug/L		NC	20
Butylbenzylphthalate	<0.49		<0.49		ug/L		NC	20
Chlorobenzilate	<0.098		<0.098		ug/L		NC	20
Chloroneb	<0.098		<0.098		ug/L		NC	20
Chlorothalonil (Draconil, Bravo)	<0.098		<0.098		ug/L		NC	20
Chlorpyrifos	<0.049		<0.049		ug/L		NC	20
Chrysene	<0.020		<0.020		ug/L		NC	20
delta-BHC	<0.098		<0.098		ug/L		NC	20
Di(2-ethylhexyl)adipate	<0.59		<0.59		ug/L		NC	20
Dibenz(a,h)anthracene	<0.049		<0.049		ug/L		NC	20
Diclorvos (DDVP)	<0.049		<0.049		ug/L		NC	20
Dieldrin	0.034		0.0395		ug/L		15	20
Diethylphthalate	<0.49		<0.49		ug/L		NC	20
Dimethylphthalate	<0.49		<0.49		ug/L		NC	20
Di-n-butyl phthalate	<0.98		<0.98		ug/L		NC	20
Di-n-octyl phthalate	<0.098		<0.098		ug/L		NC	20
Endosulfan I (Alpha)	<0.098		<0.098		ug/L		NC	20
Endosulfan II (Beta)	<0.098		<0.098		ug/L		NC	20
Endosulfan sulfate	<0.098		<0.098		ug/L		NC	20
Endrin	<0.0098		<0.0098		ug/L		NC	20
Endrin aldehyde	<0.098		<0.098		ug/L		NC	20

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-169530-1
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: 380-169530-1 DU

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

Matrix: Drinking Water

Prep Type: Total/NA

Analysis Batch: 172575

Prep Batch: 172509

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
EPTC	<0.098		<0.098		ug/L		NC	20
Fluoranthene	<0.098		<0.098		ug/L		NC	20
Fluorene	<0.049		<0.049		ug/L		NC	20
gamma-Chlordane	<0.049		<0.049		ug/L		NC	20
Heptachlor	<0.0098		<0.0098		ug/L		NC	20
Heptachlor epoxide (isomer B)	0.014		0.0118		ug/L		18	20
Hexachlorobenzene	<0.049		<0.049		ug/L		NC	20
Hexachlorocyclopentadiene	<0.049		<0.049		ug/L		NC	20
Indeno[1,2,3-cd]pyrene	<0.049		<0.049		ug/L		NC	20
Isophorone	<0.098		<0.098		ug/L		NC	20
Lindane	<0.0098		<0.0098		ug/L		NC	20
Malathion	<0.098		<0.098		ug/L		NC	20
Methoxychlor	<0.049		<0.049		ug/L		NC	20
Metolachlor	<0.049		<0.049		ug/L		NC	20
Molinate	<0.098		<0.098		ug/L		NC	20
Naphthalene	<0.098		<0.098		ug/L		NC	20
Parathion	<0.098		<0.098		ug/L		NC	20
Pendimethalin (Penoxaline)	<0.098		<0.098		ug/L		NC	20
Phenanthrene	<0.039		<0.039		ug/L		NC	20
Propachlor	<0.049		<0.049		ug/L		NC	20
Pyrene	<0.049		<0.049		ug/L		NC	20
Simazine	<0.049		<0.049		ug/L		NC	20
Terbacil	<0.098		<0.098		ug/L		NC	20
Terbutylazine	<0.098		<0.098		ug/L		NC	20
Thiobencarb	<0.098		<0.098		ug/L		NC	20
Total Permethrin (mixed isomers)	<0.20		<0.20		ug/L		NC	20
trans-Nonachlor	<0.049	^+	<0.049		ug/L		NC	20
Trifluralin	<0.098		<0.098		ug/L		NC	20

Surrogate	%Recovery	DU Qualifier	Limits
2-Nitro-m-xylene	96		70 - 130
Perylene-d12	90		70 - 130
Triphenylphosphate	105		70 - 130

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

Lab Sample ID: MB 570-620667/1-A

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 626020

Prep Batch: 620667

Tentatively Identified Compound	Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A	09/04/25 05:00	09/16/25 15:04	1

Surrogate	%Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	62		33 - 139	09/04/25 05:00	09/16/25 15:04	1
2-Fluorobiphenyl (Surr)	77		33 - 126	09/04/25 05:00	09/16/25 15:04	1
2-Fluorophenol (Surr)	51		12 - 120	09/04/25 05:00	09/16/25 15:04	1

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-169530-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)/Aiea
Wells Pumps 1&2 P2

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

Lab Sample ID: MB 570-620667/1-A

Matrix: Water

Analysis Batch: 626020

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 620667

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	84		36 - 120	09/04/25 05:00	09/16/25 15:04	1
Phenol-d6 (Surr)	31		10 - 120	09/04/25 05:00	09/16/25 15:04	1
p-Terphenyl-d14 (Surr)	82		47 - 131	09/04/25 05:00	09/16/25 15:04	1

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

Lab Sample ID: MB 570-620667/1-A

Matrix: Water

Analysis Batch: 622194

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 620667

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.20		0.20	ug/L		09/04/25 05:00	09/08/25 08:50	1
2-Methylnaphthalene	<0.20		0.20	ug/L		09/04/25 05:00	09/08/25 08:50	1
Acenaphthene	<0.20		0.20	ug/L		09/04/25 05:00	09/08/25 08:50	1
Acenaphthylene	<0.20		0.20	ug/L		09/04/25 05:00	09/08/25 08:50	1
Anthracene	<0.20		0.20	ug/L		09/04/25 05:00	09/08/25 08:50	1
Benzo[a]anthracene	<0.20		0.20	ug/L		09/04/25 05:00	09/08/25 08:50	1
Benzo[a]pyrene	<0.20		0.20	ug/L		09/04/25 05:00	09/08/25 08:50	1
Benzo[b]fluoranthene	<0.20		0.20	ug/L		09/04/25 05:00	09/08/25 08:50	1
Benzo[g,h,i]perylene	<0.20		0.20	ug/L		09/04/25 05:00	09/08/25 08:50	1
Benzo[k]fluoranthene	<0.20		0.20	ug/L		09/04/25 05:00	09/08/25 08:50	1
Chrysene	<0.20		0.20	ug/L		09/04/25 05:00	09/08/25 08:50	1
Dibenz(a,h)anthracene	<0.20		0.20	ug/L		09/04/25 05:00	09/08/25 08:50	1
Fluoranthene	<0.20		0.20	ug/L		09/04/25 05:00	09/08/25 08:50	1
Fluorene	<0.20		0.20	ug/L		09/04/25 05:00	09/08/25 08:50	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20	ug/L		09/04/25 05:00	09/08/25 08:50	1
Naphthalene	<0.20		0.20	ug/L		09/04/25 05:00	09/08/25 08:50	1
Phenanthrene	<0.20		0.20	ug/L		09/04/25 05:00	09/08/25 08:50	1
Pyrene	<0.20		0.20	ug/L		09/04/25 05:00	09/08/25 08:50	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	86		28 - 127	09/04/25 05:00	09/08/25 08:50	1
2-Fluorobiphenyl (Surr)	75		31 - 120	09/04/25 05:00	09/08/25 08:50	1
2-Fluorophenol (Surr)	48		17 - 120	09/04/25 05:00	09/08/25 08:50	1
Nitrobenzene-d5 (Surr)	77		27 - 120	09/04/25 05:00	09/08/25 08:50	1
Phenol-d6 (Surr)	32		10 - 120	09/04/25 05:00	09/08/25 08:50	1
p-Terphenyl-d14 (Surr)	77		45 - 120	09/04/25 05:00	09/08/25 08:50	1

Lab Sample ID: LCS 570-620667/2-A

Matrix: Water

Analysis Batch: 622194

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 620667

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	20.0	16.9		ug/L		85	47 - 120
2-Methylnaphthalene	20.0	17.0		ug/L		85	43 - 120
Acenaphthene	20.0	20.1		ug/L		101	60 - 132
Acenaphthylene	20.0	20.6		ug/L		103	54 - 126

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-169530-1
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: LCS 570-620667/2-A

Matrix: Water

Analysis Batch: 622194

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 620667

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Anthracene	20.0	19.7		ug/L		98	43 - 120
Benzo[a]anthracene	20.0	20.3		ug/L		102	42 - 133
Benzo[a]pyrene	20.0	20.7		ug/L		104	32 - 148
Benzo[b]fluoranthene	20.0	20.6		ug/L		103	42 - 140
Benzo[g,h,i]perylene	20.0	21.1		ug/L		106	1 - 195
Benzo[k]fluoranthene	20.0	20.7		ug/L		103	25 - 146
Chrysene	20.0	20.3		ug/L		102	44 - 140
Dibenz(a,h)anthracene	20.0	21.1		ug/L		105	1 - 200
Fluoranthene	20.0	20.3		ug/L		102	43 - 121
Fluorene	20.0	20.8		ug/L		104	70 - 120
Indeno[1,2,3-cd]pyrene	20.0	20.3		ug/L		101	1 - 151
Naphthalene	20.0	16.5		ug/L		82	36 - 120
Phenanthrene	20.0	20.5		ug/L		102	65 - 120
Pyrene	20.0	20.6		ug/L		103	70 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	79		28 - 127
2-Fluorobiphenyl (Surr)	77		31 - 120
2-Fluorophenol (Surr)	51		17 - 120
Nitrobenzene-d5 (Surr)	65		27 - 120
Phenol-d6 (Surr)	34		10 - 120
p-Terphenyl-d14 (Surr)	78		45 - 120

Lab Sample ID: LCSD 570-620667/3-A

Matrix: Water

Analysis Batch: 622194

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 620667

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	20.0	11.8	*1	ug/L		59	47 - 120	35	20
2-Methylnaphthalene	20.0	11.7	*1	ug/L		59	43 - 120	36	20
Acenaphthene	20.0	13.5	*1	ug/L		68	60 - 132	39	29
Acenaphthylene	20.0	13.7		ug/L		69	54 - 126	40	45
Anthracene	20.0	13.5		ug/L		68	43 - 120	37	40
Benzo[a]anthracene	20.0	13.6	*1	ug/L		68	42 - 133	40	32
Benzo[a]pyrene	20.0	14.0		ug/L		70	32 - 148	39	43
Benzo[b]fluoranthene	20.0	13.8		ug/L		69	42 - 140	40	43
Benzo[g,h,i]perylene	20.0	13.7		ug/L		69	1 - 195	43	61
Benzo[k]fluoranthene	20.0	13.8	*1	ug/L		69	25 - 146	40	38
Chrysene	20.0	13.7		ug/L		69	44 - 140	39	53
Dibenz(a,h)anthracene	20.0	14.0		ug/L		70	1 - 200	40	75
Fluoranthene	20.0	13.7		ug/L		69	43 - 121	39	40
Fluorene	20.0	14.2	*1	ug/L		71	70 - 120	37	23
Indeno[1,2,3-cd]pyrene	20.0	13.1		ug/L		66	1 - 151	43	60
Naphthalene	20.0	11.6		ug/L		58	36 - 120	35	39
Phenanthrene	20.0	13.8	*1	ug/L		69	65 - 120	39	24
Pyrene	20.0	13.8	*- *1	ug/L		69	70 - 120	40	30

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-169530-1
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 570-620667/3-A

Matrix: Water

Analysis Batch: 622194

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 620667

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	53		28 - 127
2-Fluorobiphenyl (Surr)	51		31 - 120
2-Fluorophenol (Surr)	36		17 - 120
Nitrobenzene d5 (Surr)	46		27 - 120
Phenol-d6 (Surr)	24		10 - 120
p-Terphenyl-d14 (Surr)	51		45 - 120

Lab Sample ID: 380-169530-1 MS

Matrix: Drinking Water

Analysis Batch: 622194

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

Prep Type: Total/NA

Prep Batch: 620667

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.19	*1	19.5	15.6		ug/L		80	36 - 120
2-Methylnaphthalene	<0.19	*1	19.5	15.3		ug/L		79	32 - 124
Acenaphthene	<0.19	*1	19.5	18.1		ug/L		93	47 - 145
Acenaphthylene	<0.19		19.5	18.5		ug/L		95	33 - 145
Anthracene	<0.19		19.5	18.1		ug/L		93	27 - 133
Benzo[a]anthracene	<0.19	*1	19.5	19.0		ug/L		97	33 - 143
Benzo[a]pyrene	<0.19		19.5	19.3		ug/L		99	17 - 163
Benzo[b]fluoranthene	<0.19		19.5	19.0		ug/L		98	24 - 159
Benzo[g,h,i]perylene	<0.19		19.5	18.9		ug/L		97	1 - 219
Benzo[k]fluoranthene	<0.19	*1	19.5	18.8		ug/L		96	11 - 162
Chrysene	<0.19		19.5	18.9		ug/L		97	17 - 168
Dibenz(a,h)anthracene	<0.19		19.5	19.3		ug/L		99	1 - 227
Fluoranthene	<0.19		19.5	18.3		ug/L		94	26 - 137
Fluorene	<0.19	*1	19.5	18.5		ug/L		95	59 - 121
Indeno[1,2,3-cd]pyrene	<0.19		19.5	18.1		ug/L		93	1 - 171
Naphthalene	<0.19		19.5	14.6		ug/L		75	21 - 133
Phenanthrene	<0.19	*1	19.5	18.2		ug/L		93	54 - 120
Pyrene	<0.19	*- *1	19.5	19.2		ug/L		99	52 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	75		28 - 127
2-Fluorobiphenyl (Surr)	69		31 - 120
2-Fluorophenol (Surr)	59		17 - 120
Nitrobenzene-d5 (Surr)	59		27 - 120
Phenol-d6 (Surr)	38		10 - 120
p-Terphenyl-d14 (Surr)	75		45 - 120

Lab Sample ID: 380-169530-1 MSD

Matrix: Drinking Water

Analysis Batch: 622194

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

Prep Type: Total/NA

Prep Batch: 620667

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	<0.19	*1	19.1	16.8		ug/L		88	36 - 120	8	30
2-Methylnaphthalene	<0.19	*1	19.1	16.6		ug/L		87	32 - 124	8	30
Acenaphthene	<0.19	*1	19.1	20.2		ug/L		106	47 - 145	11	48

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-169530-1
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: 380-169530-1 MSD

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

Matrix: Drinking Water

Prep Type: Total/NA

Analysis Batch: 622194

Prep Batch: 620667

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthylene	<0.19		19.1	20.6		ug/L		108	33 - 145	10	74
Anthracene	<0.19		19.1	19.4		ug/L		101	27 - 133	7	66
Benzo[a]anthracene	<0.19	*1	19.1	20.9		ug/L		109	33 - 143	10	53
Benzo[a]pyrene	<0.19		19.1	21.1		ug/L		110	17 - 163	9	72
Benzo[b]fluoranthene	<0.19		19.1	20.8		ug/L		109	24 - 159	9	71
Benzo[g,h,i]perylene	<0.19		19.1	19.9		ug/L		104	1 - 219	5	97
Benzo[k]fluoranthene	<0.19	*1	19.1	20.3		ug/L		106	11 - 162	8	63
Chrysene	<0.19		19.1	20.6		ug/L		108	17 - 168	9	87
Dibenz(a,h)anthracene	<0.19		19.1	20.1		ug/L		105	1 - 227	4	126
Fluoranthene	<0.19		19.1	20.0		ug/L		105	26 - 137	9	66
Fluorene	<0.19	*1	19.1	20.4		ug/L		107	59 - 121	10	38
Indeno[1,2,3-cd]pyrene	<0.19		19.1	19.2		ug/L		100	1 - 171	6	99
Naphthalene	<0.19		19.1	16.2		ug/L		85	21 - 133	10	65
Phenanthrene	<0.19	*1	19.1	20.0		ug/L		104	54 - 120	9	39
Pyrene	<0.19	*- *1	19.1	21.3		ug/L		111	52 - 120	10	49

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	84		28 - 127
2-Fluorobiphenyl (Surr)	79		31 - 120
2-Fluorophenol (Surr)	63		17 - 120
Nitrobenzene-d5 (Surr)	67		27 - 120
Phenol-d6 (Surr)	40		10 - 120
p-Terphenyl-d14 (Surr)	83		45 - 120

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

Lab Sample ID: MB 570-622036/6

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 622036

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10	ug/L			09/07/25 12:09	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	67		38 - 134		09/07/25 12:09	1

Lab Sample ID: LCS 570-622036/4

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 622036

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (C4-C13)	400	330		ug/L		82	78 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	82		38 - 134

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-169530-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)/Aiea
Wells Pumps 1&2 P2

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

Lab Sample ID: LCSD 570-622036/5

Matrix: Water

Analysis Batch: 622036

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)			400	330		ug/L		83	78 - 120	0	10
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	90		38 - 134								

Lab Sample ID: MRL 570-622036/3

Matrix: Water

Analysis Batch: 622036

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (C4-C13)			10.0	<7.9		ug/L		72	50 - 150		
Surrogate	MRL %Recovery	MRL Qualifier	Limits								
4-Bromofluorobenzene (Surr)	72		38 - 134								

Lab Sample ID: 380-169530-1 MS

Matrix: Drinking Water

Analysis Batch: 622036

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

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (C4-C13)	<10		400	340		ug/L		85	68 - 122		
Surrogate	MS %Recovery	MS Qualifier	Limits								
4-Bromofluorobenzene (Surr)	87		38 - 134								

Lab Sample ID: 380-169530-1 MSD

Matrix: Drinking Water

Analysis Batch: 622036

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	327		ug/L		82	68 - 122	4	18
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	86		38 - 134								

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

Lab Sample ID: MB 570-622477/1-A

Matrix: Water

Analysis Batch: 625391

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 622477

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<25		25	ug/L		09/08/25 14:14	09/14/25 15:47	1
Motor Oil Range Organics [C24-C36]	<25		25	ug/L		09/08/25 14:14	09/14/25 15:47	1

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-169530-1
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: MB 570-622477/1-A

Matrix: Water

Analysis Batch: 625391

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 622477

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C8-C18	<25		25	ug/L		09/08/25 14:14	09/14/25 15:47	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	86		60 - 130	09/08/25 14:14	09/14/25 15:47	1

Lab Sample ID: LCS 570-622477/2-A

Matrix: Water

Analysis Batch: 625391

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 622477

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)	91		60 - 130

Lab Sample ID: LCSD 570-622477/3-A

Matrix: Water

Analysis Batch: 625391

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 622477

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28	1600	1600		ug/L		100	56 - 127	6	23

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

Lab Sample ID: MRL 570-622477/4-A

Matrix: Water

Analysis Batch: 625391

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 622477

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
C10-C28	0.0200	0.0286		mg/L		143	50 - 150

Surrogate	MRL %Recovery	MRL Qualifier	Limits
n-Octacosane (Surr)	87		60 - 130

Lab Sample ID: 380-169530-1 MS

Matrix: Drinking Water

Analysis Batch: 625391

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

Prep Type: Total/NA

Prep Batch: 622477

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
C10-C28	<26		1650	1460		ug/L		88	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
n-Octacosane (Surr)	85		60 - 130

Eurofins Eaton Analytical Pomona

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

Job ID: 380-169530-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)/Aiea
Wells Pumps 1&2 P2

Lab Sample ID: 380-169530-1 MSD				Client Sample ID: HALAWA WELLS UNITS 1 & 2 (331-206-TP065)							
Matrix: Drinking Water				Prep Type: Total/NA							
Analysis Batch: 625391				Prep Batch: 622477							
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28	<26		1670	1540		ug/L		93	70 - 130	6	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
n-Octacosane (Surr)	81		60 - 130								

QC Association Summary

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

Job ID: 380-169530-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)/Aiea
Wells Pumps 1&2 P2

GC/MS Semi VOA

Prep Batch: 172509

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-169530-1	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP01	Total/NA	Drinking Water	525.2	
380-169530-3	AIEA WELLS PUMPS 1&2 (260) P2 (331-203-TP	Total/NA	Water	525.2	
MB 380-172509/21-A	Method Blank	Total/NA	Water	525.2	
LCS 380-172509/23-A	Lab Control Sample	Total/NA	Water	525.2	
LCSD 380-172509/24-A	Lab Control Sample Dup	Total/NA	Water	525.2	
MRL 380-172509/22-A	Lab Control Sample	Total/NA	Water	525.2	
380-169525-H-1-A MS	Matrix Spike	Total/NA	Water	525.2	
380-169530-1 DU	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP01	Total/NA	Drinking Water	525.2	

Analysis Batch: 172575

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-169530-1	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP01	Total/NA	Drinking Water	525.2	172509
380-169530-3	AIEA WELLS PUMPS 1&2 (260) P2 (331-203-TP	Total/NA	Water	525.2	172509
MB 380-172509/21-A	Method Blank	Total/NA	Water	525.2	172509
LCS 380-172509/23-A	Lab Control Sample	Total/NA	Water	525.2	172509
LCSD 380-172509/24-A	Lab Control Sample Dup	Total/NA	Water	525.2	172509
MRL 380-172509/22-A	Lab Control Sample	Total/NA	Water	525.2	172509
380-169525-H-1-A MS	Matrix Spike	Total/NA	Water	525.2	172509
380-169530-1 DU	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP01	Total/NA	Drinking Water	525.2	172509

Prep Batch: 620667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-169530-1	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP01	Total/NA	Drinking Water	625.1	
MB 570-620667/1-A	Method Blank	Total/NA	Water	625.1	
LCS 570-620667/2-A	Lab Control Sample	Total/NA	Water	625.1	
LCSD 570-620667/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	
380-169530-1 MS	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	Total/NA	Drinking Water	625.1	
380-169530-1 MSD	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	Total/NA	Drinking Water	625.1	

Analysis Batch: 622194

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-169530-1	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP01	Total/NA	Drinking Water	625.1 SIM	620667
MB 570-620667/1-A	Method Blank	Total/NA	Water	625.1 SIM	620667
LCS 570-620667/2-A	Lab Control Sample	Total/NA	Water	625.1 SIM	620667
LCSD 570-620667/3-A	Lab Control Sample Dup	Total/NA	Water	625.1 SIM	620667
380-169530-1 MS	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	Total/NA	Drinking Water	625.1 SIM	620667
380-169530-1 MSD	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	Total/NA	Drinking Water	625.1 SIM	620667

Analysis Batch: 626020

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-169530-1	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP01	Total/NA	Drinking Water	625.1	620667
MB 570-620667/1-A	Method Blank	Total/NA	Water	625.1	620667

GC VOA

Analysis Batch: 622036

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-169530-1	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP01	Total/NA	Drinking Water	8015B GRO LL	
380-169530-2	TB: HALAWA WELLS UNITS 1 & 2 (331-206-TPC	Total/NA	Drinking Water	8015B GRO LL	
380-169530-3	AIEA WELLS PUMPS 1&2 (260) P2 (331-203-TP	Total/NA	Water	8015B GRO LL	

Eurofins Eaton Analytical Pomona

QC Association Summary

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

Job ID: 380-169530-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)/Aiea
Wells Pumps 1&2 P2

GC VOA (Continued)

Analysis Batch: 622036 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-169530-4	TB: AIEA WELLS PUMPS 1&2 (260) (331-203-TF	Total/NA	Water	8015B GRO LL	
MB 570-622036/6	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-622036/4	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-622036/5	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-622036/3	Lab Control Sample	Total/NA	Water	8015B GRO LL	
380-169530-1 MS	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	Total/NA	Drinking Water	8015B GRO LL	
380-169530-1 MSD	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	Total/NA	Drinking Water	8015B GRO LL	

GC Semi VOA

Prep Batch: 622477

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-169530-1	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)	Total/NA	Drinking Water	3510C	
380-169530-3	AIEA WELLS PUMPS 1&2 (260) P2 (331-203-TP	Total/NA	Water	3510C	
MB 570-622477/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-622477/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-622477/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MRL 570-622477/4-A	Lab Control Sample	Total/NA	Water	3510C	
380-169530-1 MS	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	Total/NA	Drinking Water	3510C	
380-169530-1 MSD	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	Total/NA	Drinking Water	3510C	

Analysis Batch: 625391

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-169530-1	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)	Total/NA	Drinking Water	8015B	622477
380-169530-3	AIEA WELLS PUMPS 1&2 (260) P2 (331-203-TP	Total/NA	Water	8015B	622477
MB 570-622477/1-A	Method Blank	Total/NA	Water	8015B	622477
LCS 570-622477/2-A	Lab Control Sample	Total/NA	Water	8015B	622477
LCSD 570-622477/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	622477
MRL 570-622477/4-A	Lab Control Sample	Total/NA	Water	8015B	622477
380-169530-1 MS	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	Total/NA	Drinking Water	8015B	622477
380-169530-1 MSD	HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	Total/NA	Drinking Water	8015B	622477

Lab Chronicle

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

Job ID: 380-169530-1
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: 380-169530-1

Date Collected: 09/02/25 10:41

Matrix: Drinking Water

Date Received: 09/04/25 09:56

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			172509	OTM3	EA POM	09/05/25 06:34
Total/NA	Analysis	525.2		1	172575	Q8LA	EA POM	09/05/25 15:07
Total/NA	Prep	625.1			620667	H1SH	EET CAL 4	09/05/25 04:50
Total/NA	Analysis	625.1		1	626020	J7WE	EET CAL 4	09/16/25 15:53
Total/NA	Prep	625.1			620667	H1SH	EET CAL 4	09/05/25 04:50
Total/NA	Analysis	625.1 SIM		1	622194	PQS1	EET CAL 4	09/08/25 16:51
Total/NA	Analysis	8015B GRO LL		1	622036	W4LC	EET CAL 4	09/07/25 13:48
Total/NA	Prep	3510C			622477	TVD6	EET CAL 4	09/08/25 14:16
Total/NA	Analysis	8015B		1	625391	H6FE	EET CAL 4	09/14/25 19:21

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

Lab Sample ID: 380-169530-2

Date Collected: 09/02/25 10:41

Matrix: Drinking Water

Date Received: 09/04/25 09:56

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015B GRO LL		1	622036	W4LC	EET CAL 4	09/07/25 19:09

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

Lab Sample ID: 380-169530-3

Date Collected: 09/02/25 11:54

Matrix: Water

Date Received: 09/04/25 09:56

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			172509	OTM3	EA POM	09/05/25 06:34
Total/NA	Analysis	525.2		1	172575	Q8LA	EA POM	09/05/25 16:30
Total/NA	Analysis	8015B GRO LL		1	622036	W4LC	EET CAL 4	09/07/25 14:12
Total/NA	Prep	3510C			622477	TVD6	EET CAL 4	09/08/25 14:16
Total/NA	Analysis	8015B		1	625391	H6FE	EET CAL 4	09/14/25 19:43

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

Lab Sample ID: 380-169530-4

Date Collected: 09/02/25 11:54

Matrix: Water

Date Received: 09/04/25 09:56

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015B GRO LL		1	622036	W4LC	EET CAL 4	09/07/25 19:33

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

Eurofins Eaton Analytical Pomona

Accreditation/Certification Summary

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

Job ID: 380-169530-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)/Aiea
Wells Pumps 1&2 P2

Laboratory: Eurofins Eaton Analytical Pomona

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
525.2	525.2	Drinking Water	1-Methylnaphthalene
525.2	525.2	Drinking Water	2,4'-DDD
525.2	525.2	Drinking Water	2,4'-DDE
525.2	525.2	Drinking Water	2,4'-DDT
525.2	525.2	Drinking Water	2,4-Dinitrotoluene
525.2	525.2	Drinking Water	2,6-Dinitrotoluene
525.2	525.2	Drinking Water	2-Methylnaphthalene
525.2	525.2	Drinking Water	4,4'-DDD
525.2	525.2	Drinking Water	4,4' DDE
525.2	525.2	Drinking Water	4,4'-DDT
525.2	525.2	Drinking Water	Acetochlor
525.2	525.2	Drinking Water	alpha-BHC
525.2	525.2	Drinking Water	alpha-Chlordane
525.2	525.2	Drinking Water	beta-BHC
525.2	525.2	Drinking Water	Chlorobenzilate
525.2	525.2	Drinking Water	Chloroneb
525.2	525.2	Drinking Water	Chlorothalonil (Draconil, Bravo)
525.2	525.2	Drinking Water	Chlorpyrifos
525.2	525.2	Drinking Water	delta-BHC
525.2	525.2	Drinking Water	Diclorvos (DDVP)
525.2	525.2	Drinking Water	Endosulfan I (Alpha)
525.2	525.2	Drinking Water	Endosulfan II (Beta)
525.2	525.2	Drinking Water	Endosulfan sulfate
525.2	525.2	Drinking Water	Endrin aldehyde
525.2	525.2	Drinking Water	EPTC
525.2	525.2	Drinking Water	gamma-Chlordane
525.2	525.2	Drinking Water	Isophorone
525.2	525.2	Drinking Water	Malathion
525.2	525.2	Drinking Water	Parathion
525.2	525.2	Drinking Water	Pendimethalin (Penoxaline)
525.2	525.2	Drinking Water	Terbacil
525.2	525.2	Drinking Water	Terbutylazine
525.2	525.2	Drinking Water	Total Permethrin (mixed isomers)
525.2	525.2	Drinking Water	trans Nonachlor
525.2	525.2	Water	1-Methylnaphthalene
525.2	525.2	Water	2,4'-DDD
525.2	525.2	Water	2,4'-DDE
525.2	525.2	Water	2,4'-DDT
525.2	525.2	Water	2,4-Dinitrotoluene
525.2	525.2	Water	2,6-Dinitrotoluene
525.2	525.2	Water	2-Methylnaphthalene
525.2	525.2	Water	4,4'-DDD
525.2	525.2	Water	4,4'-DDE
525.2	525.2	Water	4,4'-DDT

Eurofins Eaton Analytical Pomona

Accreditation/Certification Summary

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

Job ID: 380-169530-1
SDG: Weekly: Halawa Wells Units 1&2 P1 (MS/MSD)/Aiea
Wells Pumps 1&2 P2

Laboratory: Eurofins Eaton Analytical Pomona (Continued)

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

Authority	Program	Identification Number	Expiration Date
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
525.2	525.2	Water	Acetochlor
525.2	525.2	Water	alpha-BHC
525.2	525.2	Water	alpha-Chlordane
525.2	525.2	Water	beta-BHC
525.2	525.2	Water	Chlorobenzilate
525.2	525.2	Water	Chloroneb
525.2	525.2	Water	Chlorothalonil (Draconil, Bravo)
525.2	525.2	Water	Chlorpyrifos
525.2	525.2	Water	delta-BHC
525.2	525.2	Water	Diclorvos (DDVP)
525.2	525.2	Water	Endosulfan I (Alpha)
525.2	525.2	Water	Endosulfan II (Beta)
525.2	525.2	Water	Endosulfan sulfate
525.2	525.2	Water	Endrin aldehyde
525.2	525.2	Water	EPTC
525.2	525.2	Water	gamma-Chlordane
525.2	525.2	Water	Isophorone
525.2	525.2	Water	Malathion
525.2	525.2	Water	Parathion
525.2	525.2	Water	Pendimethalin (Penoxaline)
525.2	525.2	Water	Terbacil
525.2	525.2	Water	Terbutylazine
525.2	525.2	Water	Total Permethrin (mixed isomers)
525.2	525.2	Water	trans-Nonachlor

Laboratory: Eurofins Calscience

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

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	7296.01	11-30-26
A2LA	ISO/IEC 17025	7296.01	11-30-26
Alaska (UST)	State	25-005	03-02-26
Arizona	State	AZ0830	11-16-25
California	Los Angeles County Sanitation	9257304	07-31-26
California	Districts		
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: 380-169530-1
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: 380-169530-1
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
380-169530-1	HALAWA WELLS UNITS 1 & 2 P1 (331-206-TP065)	Drinking Water	09/02/25 10:41	09/04/25 09:56	HI0000331
380-169530-2	TB: HALAWA WELLS UNITS 1 & 2 (331-206-TP065)	Drinking Water	09/02/25 10:41	09/04/25 09:56	
380-169530-3	AIEA WELLS PUMPS 1&2 (260) P2 (331-203-TP400)	Water	09/02/25 11:54	09/04/25 09:56	HI0000331
380-169530-4	TB: AIEA WELLS PUMPS 1&2 (260) (331-203-TP400)	Water	09/02/25 11:54	09/04/25 09:56	

Chain of Custody Record

Client Information		Lab PM: Lopez, Maria		Carrier Tracking No(s):		COC No: 380-28005-2757 1	
Client Contact: Kirk Iwamoto		Phone: +1 808 748 5840		State of Origin:		Page: Page 1 of 1	
Company: City & County of Honolulu		PWSID:		Analysis Requested		Job #:	
Address: 630 South Beretania Street Chemistry Lab		Due Date Requested:		533 - All Analytes		Preservation Codes:	
City: Honolulu		TAT Requested (days):		537.1_DW_PREC - 537.1 Full Lot		R - NaThioSO4	
State, Zip: HI, 96843		Compliance Project: Δ Yes Δ No		535.2_PREC - (MOD) 525plus Plus TICs		RA - NaThioHCl	
Phone: 808-748-5840 (Tel)		PO #: C20525101 exp 05312023		501B_DRO_LL_C8 - HNL Ranges - C10-C24/C24-C38/C8-C18		Q - Na2SO3	
Email: kiwamoto@hbws.org		WO #:		501B_GRO_LL - (MOD) GRO		QA - Na2SO3/HCl	
Project Name: RED-HILL/HBWS Sites		Event Desc: RUSH Weekly Red Hill		505.1, 525.1 SIM		Y - Trizma	
Site: Hawaii		SSOW#:		Perform MS/MSD (Yes or No)		I - NH4 Acetate	
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Preservation Code	Matrix (W=water, S=solid, O=organic, I=inorganic, A=air)	Special Instructions/Note:
Halawa Wells Units 1 & 2 P1	2-Sep-2025	1041	G			Water	
Halawa Wells Units 1 & 2 (Matrix Spike)						Water	
Halawa Wells Units 1 & 2 (Matrix Spike Duplicate)						Water	
TB: Halawa Wells Units 1 & 2	2-Sep-2025	1041				Water	
Aiea Wells Pumps 1&2 (260) P2	2-Sep-2025	1154	G			Water	
Aiea Wells Pumps 1&2 (260) (Matrix Spike)						Water	
Aiea Wells Pumps 1&2 (Matrix Spike Duplicate)						Water	
TB: Aiea Wells Pumps 1&2 (260)	2-Sep-2025	1154				Water	
Possible Hazard Identification		Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		Months	
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown				☐ Return To Client ☐ Disposal By Lab ☐ Archive For			
Deliverable Requested I, II, III, IV, Other (specify)				Special Instructions/QC Requirements			
Empty Kit Relinquished by		Date		Time		Method of Shipment	
[Redacted]		03 Sept 2025		1400		88408629 257721812591	
Relinquished by		Date/Time		Date/Time		Date/Time	
[Redacted]		03 Sept 2025		1400		9/19/25 9:56	
Custody Seals Intact: Δ Yes Δ No		Custody Seal No.		Cooler Temperature(s) °C and Other Remarks: 68°F 4.4 = 4.8 3.6		2603/2625	

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

SHIP DATE: 03SEP25
ACTWGT 58.00 LB
CAD- 258050552/INET4535

BILL RECIPIENT

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

POMONA CA 91768

(626) 386-1100 REF:

INV-

PC:

DEPT



FedEx
Express



THU - 04 SEP 10:30A

3 of 6

PRIORITY OVERNIGHT

MPS# 8840 8629 2599

0263

Mstr# 8840 8629 2577

0201

91768

WM ONTA

CA-US ONT



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

5.8

ORIGIN ID HIKA
BWS CHEMLAB
HONOLULU BOARD OF WATER SUPPLY
630 S. BERETANIA ST
CHEMICAL LABORATORY
HONOLULU HI 96843
UNITED STATES US

SHIP DATE 03SEP25
ACTWGT 58.00 LB
CAD 25805052INET4535

BILL RECIPIENT

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

POMONA CA 91768

(626) 386-1100 REF

PO:

DEPT:



FedEx
Express



4353025052301W

THU - 04 SEP 10:30A
PRIORITY OVERNIGHT

5 of 6

MPS# 8840 8629 2614

Mstr# 8840 8629 2577

91768

WM ONTA

CA-US ONT



380-169530 COC

68A/7.2-7.2-62
9/5/25
9.48
uni

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

[illegible]



Loc: 380
169530

380-169530 Chain of Custody

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-169530-1

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

Login Number: 169530

List Source: Eurofins Eaton Analytical Pomona

List Number: 1

Creator: Segura, Ryan

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

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-169530-1

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

Login Number: 169530

List Number: 2

Creator: Khana, Piyush

List Source: Eurofins Calscience

List Creation: 09/04/25 07:31 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ 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	1.6
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 $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-169530-1

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

Login Number: 169530

List Number: 3

Creator: Khana, Piyush

List Source: Eurofins Calscience

List Creation: 09/05/25 06:02 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ 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	2.3
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 $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	