

# ANALYTICAL REPORT

## PREPARED FOR

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## JOB DESCRIPTION

RED-HILL  
Weekly: Aiea Gulch Wells Pumps 2  
RUSH Weekly Red Hill

## JOB NUMBER

380-199897-1

# Eurofins 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 Drinking Water and Wastewater West, LLC Project Manager.

## Compliance Statement

1. Laboratory is accredited in accordance with TNI 2016 Standards and ISO/IEC 17025:2017.
2. Laboratory certifies that the test results meet all TNI 2016 and ISO/IEC 17025:2017 requirements unless noted under the individual analysis
3. Test results relate only to the sample(s) tested.
4. This report shall not be reproduced except in full, without the written approval of the laboratory.
5. Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below. (DW, Water matrices)

## Authorization



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# Definitions/Glossary

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

Job ID: 380-199897-1  
SDG: Weekly: Aiea Gulch Wells Pumps 2

## Qualifiers

### GC/MS Semi VOA

Qualifier	Qualifier Description
^3+	Reporting Limit Check Standard is outside acceptance limits, high biased
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### GC/MS Semi VOA TICs

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

## Glossary

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

# Case Narrative

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

Job ID: 380-199897-1

**Job ID: 380-199897-1**

**Eurofins Pomona**

## Job Narrative 380-199897-1

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 2/25/2026 9:40 AM and 2/26/2026 9:50 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.7°C.

### Receipt Exceptions

One of two bottles for 525 was not received.

Other 525 bottle received on 2/26/26

AIEA GULCH WELLS PUMP 2 (331-202-TP072) (380-199897-1)

### GC/MS Semi VOA

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

### Gasoline Range Organics

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

### Diesel Range Organics

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

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# Detection Summary

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

Job ID: 380-199897-1  
SDG: Weekly: Aiea Gulch Wells Pumps 2

**Client Sample ID: AIEA GULCH WELLS PUMP 2  
(331-202-TP072)**

**Lab Sample ID: 380-199897-1**

No Detections.

**Client Sample ID: TB: AIEA GULCH WELLS PUMP 2  
(331-202-TP072)**

**Lab Sample ID: 380-199897-2**

No Detections.

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

This Detection Summary does not include radiochemical test results.

# Client Sample Results

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

Job ID: 380-199897-1  
SDG: Weekly: Aiea Gulch Wells Pumps 2

**Client Sample ID: AIEA GULCH WELLS PUMP 2  
(331-202-TP072)**

**Lab Sample ID: 380-199897-1**

Date Collected: 02/23/26 11:32

Matrix: Water

Date Received: 02/25/26 09:40

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 16:04	1
2,4'-DDD	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 16:04	1
2,4'-DDE	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 16:04	1
2,4'-DDT	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 16:04	1
2,4-Dinitrotoluene	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 16:04	1
2,6-Dinitrotoluene	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 16:04	1
2-Methylnaphthalene	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 16:04	1
4,4'-DDD	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 16:04	1
4,4'-DDE	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 16:04	1
4,4'-DDT	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 16:04	1
Acenaphthene	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 16:04	1
Acenaphthylene	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 16:04	1
Acetochlor	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 16:04	1
Alachlor	<0.049		0.049	ug/L		03/03/26 15:16	03/04/26 16:04	1
alpha-BHC	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 16:04	1
alpha-Chlordane	<0.049		0.049	ug/L		03/03/26 15:16	03/04/26 16:04	1
Anthracene	<0.020		0.020	ug/L		03/03/26 15:16	03/04/26 16:04	1
Atrazine	<0.049		0.049	ug/L		03/03/26 15:16	03/04/26 16:04	1
Benz(a)anthracene	<0.049		0.049	ug/L		03/03/26 15:16	03/04/26 16:04	1
Benzo[a]pyrene	<0.020		0.020	ug/L		03/03/26 15:16	03/04/26 16:04	1
Benzo[b]fluoranthene	<0.020		0.020	ug/L		03/03/26 15:16	03/04/26 16:04	1
Benzo[g,h,i]perylene	<0.049		0.049	ug/L		03/03/26 15:16	03/04/26 16:04	1
Benzo[k]fluoranthene	<0.020		0.020	ug/L		03/03/26 15:16	03/04/26 16:04	1
beta-BHC	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 16:04	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59	ug/L		03/03/26 15:16	03/04/26 16:04	1
Bromacil	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 16:04	1
Butachlor	<0.049	^3+	0.049	ug/L		03/03/26 15:16	03/04/26 16:04	1
Butylbenzylphthalate	<0.49		0.49	ug/L		03/03/26 15:16	03/04/26 16:04	1
Chlorobenzilate	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 16:04	1
Chloroneb	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 16:04	1
Chlorothalonil (Draconil, Bravo)	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 16:04	1
Chlorpyrifos	<0.049		0.049	ug/L		03/03/26 15:16	03/04/26 16:04	1
Chrysene	<0.020		0.020	ug/L		03/03/26 15:16	03/04/26 16:04	1
delta-BHC	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 16:04	1
Di(2-ethylhexyl)adipate	<0.59		0.59	ug/L		03/03/26 15:16	03/04/26 16:04	1
Dibenz(a,h)anthracene	<0.049		0.049	ug/L		03/03/26 15:16	03/04/26 16:04	1
Diclorvos (DDVP)	<0.049		0.049	ug/L		03/03/26 15:16	03/04/26 16:04	1
Dieldrin	<0.0099		0.0099	ug/L		03/03/26 15:16	03/04/26 16:04	1
Diethylphthalate	<0.49		0.49	ug/L		03/03/26 15:16	03/04/26 16:04	1
Dimethylphthalate	<0.49		0.49	ug/L		03/03/26 15:16	03/04/26 16:04	1
Di-n-butyl phthalate	<0.99		0.99	ug/L		03/03/26 15:16	03/04/26 16:04	1
Di-n-octyl phthalate	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 16:04	1
Endosulfan I (Alpha)	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 16:04	1
Endosulfan II (Beta)	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 16:04	1
Endosulfan sulfate	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 16:04	1
Endrin	<0.0099		0.0099	ug/L		03/03/26 15:16	03/04/26 16:04	1
Endrin aldehyde	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 16:04	1
EPTC	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 16:04	1

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# Client Sample Results

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

Job ID: 380-199897-1  
SDG: Weekly: Aiea Gulch Wells Pumps 2

**Client Sample ID: AIEA GULCH WELLS PUMP 2  
(331-202-TP072)**

**Lab Sample ID: 380-199897-1**

**Date Collected: 02/23/26 11:32**

**Matrix: Water**

**Date Received: 02/25/26 09:40**

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 16:04	1
Fluorene	<0.049		0.049	ug/L		03/03/26 15:16	03/04/26 16:04	1
gamma-Chlordane	<0.049		0.049	ug/L		03/03/26 15:16	03/04/26 16:04	1
Heptachlor	<0.0099		0.0099	ug/L		03/03/26 15:16	03/04/26 16:04	1
Heptachlor epoxide (isomer B)	<0.0099		0.0099	ug/L		03/03/26 15:16	03/04/26 16:04	1
Hexachlorobenzene	<0.049		0.049	ug/L		03/03/26 15:16	03/04/26 16:04	1
Hexachlorocyclopentadiene	<0.049		0.049	ug/L		03/03/26 15:16	03/04/26 16:04	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049	ug/L		03/03/26 15:16	03/04/26 16:04	1
Isophorone	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 16:04	1
Lindane	<0.0099		0.0099	ug/L		03/03/26 15:16	03/04/26 16:04	1
Malathion	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 16:04	1
Methoxychlor	<0.049		0.049	ug/L		03/03/26 15:16	03/04/26 16:04	1
Metolachlor	<0.049		0.049	ug/L		03/03/26 15:16	03/04/26 16:04	1
Molinate	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 16:04	1
Naphthalene	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 16:04	1
Parathion	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 16:04	1
Pendimethalin (Penoxaline)	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 16:04	1
Phenanthrene	<0.040		0.040	ug/L		03/03/26 15:16	03/04/26 16:04	1
Propachlor	<0.049		0.049	ug/L		03/03/26 15:16	03/04/26 16:04	1
Pyrene	<0.049		0.049	ug/L		03/03/26 15:16	03/04/26 16:04	1
Simazine	<0.049		0.049	ug/L		03/03/26 15:16	03/04/26 16:04	1
Terbacil	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 16:04	1
Terbutylazine	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 16:04	1
Thiobencarb	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 16:04	1
Total Permethrin (mixed isomers)	<0.20		0.20	ug/L		03/03/26 15:16	03/04/26 16:04	1
trans-Nonachlor	<0.049		0.049	ug/L		03/03/26 15:16	03/04/26 16:04	1
Trifluralin	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 16:04	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A	03/03/26 15:16	03/04/26 16:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	98		70 - 130	03/03/26 15:16	03/04/26 16:04	1
Perylene-d12	89		70 - 130	03/03/26 15:16	03/04/26 16:04	1
Triphenylphosphate	104		70 - 130	03/03/26 15:16	03/04/26 16:04	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.19		0.19	ug/L		02/27/26 17:45	03/02/26 16:33	1
2-Methylnaphthalene	<0.19		0.19	ug/L		02/27/26 17:45	03/02/26 16:33	1
Acenaphthene	<0.19		0.19	ug/L		02/27/26 17:45	03/02/26 16:33	1
Acenaphthylene	<0.19		0.19	ug/L		02/27/26 17:45	03/02/26 16:33	1
Anthracene	<0.19		0.19	ug/L		02/27/26 17:45	03/02/26 16:33	1
Benzo[a]anthracene	<0.19		0.19	ug/L		02/27/26 17:45	03/02/26 16:33	1
Benzo[a]pyrene	<0.19		0.19	ug/L		02/27/26 17:45	03/02/26 16:33	1
Benzo[b]fluoranthene	<0.19		0.19	ug/L		02/27/26 17:45	03/02/26 16:33	1
Benzo[g,h,i]perylene	<0.19		0.19	ug/L		02/27/26 17:45	03/02/26 16:33	1
Benzo[k]fluoranthene	<0.19		0.19	ug/L		02/27/26 17:45	03/02/26 16:33	1
Chrysene	<0.19		0.19	ug/L		02/27/26 17:45	03/02/26 16:33	1

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# Client Sample Results

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

Job ID: 380-199897-1  
SDG: Weekly: Aiea Gulch Wells Pumps 2

**Client Sample ID: AIEA GULCH WELLS PUMP 2  
(331-202-TP072)**

**Lab Sample ID: 380-199897-1**

**Date Collected: 02/23/26 11:32**

**Matrix: Water**

**Date Received: 02/25/26 09:40**

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	<0.19		0.19	ug/L		02/27/26 17:45	03/02/26 16:33	1
Fluoranthene	<0.19		0.19	ug/L		02/27/26 17:45	03/02/26 16:33	1
Fluorene	<0.19		0.19	ug/L		02/27/26 17:45	03/02/26 16:33	1
Indeno[1,2,3-cd]pyrene	<0.19		0.19	ug/L		02/27/26 17:45	03/02/26 16:33	1
Naphthalene	<0.19		0.19	ug/L		02/27/26 17:45	03/02/26 16:33	1
Phenanthrene	<0.19		0.19	ug/L		02/27/26 17:45	03/02/26 16:33	1
Pyrene	<0.19		0.19	ug/L		02/27/26 17:45	03/02/26 16:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	95		28 - 127	02/27/26 17:45	03/02/26 16:33	1
2-Fluorobiphenyl (Surr)	89		31 - 120	02/27/26 17:45	03/02/26 16:33	1
2-Fluorophenol (Surr)	57		17 - 120	02/27/26 17:45	03/02/26 16:33	1
Nitrobenzene-d5 (Surr)	91		27 - 120	02/27/26 17:45	03/02/26 16:33	1
Phenol-d6 (Surr)	35		10 - 120	02/27/26 17:45	03/02/26 16:33	1
p-Terphenyl-d14 (Surr)	79		45 - 120	02/27/26 17:45	03/02/26 16:33	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	02/27/26 17:45	03/02/26 18:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	85		33 - 139	02/27/26 17:45	03/02/26 18:44	1
2-Fluorobiphenyl (Surr)	76		33 - 126	02/27/26 17:45	03/02/26 18:44	1
2-Fluorophenol (Surr)	53		12 - 120	02/27/26 17:45	03/02/26 18:44	1
Nitrobenzene-d5 (Surr)	87		36 - 120	02/27/26 17:45	03/02/26 18:44	1
Phenol-d6 (Surr)	35		10 - 120	02/27/26 17:45	03/02/26 18:44	1
p-Terphenyl-d14 (Surr)	78		47 - 131	02/27/26 17:45	03/02/26 18:44	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10	ug/L			03/07/26 15:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		38 - 134		03/07/26 15:35	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		03/01/26 09:19	03/08/26 17:16	1
Motor Oil Range Organics [C24-C36]	<26		26	ug/L		03/01/26 09:19	03/08/26 17:16	1
C8-C18	<26		26	ug/L		03/01/26 09:19	03/08/26 17:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	79		60 - 130	03/01/26 09:19	03/08/26 17:16	1

# Client Sample Results

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

Job ID: 380-199897-1  
 SDG: Weekly: Aiea Gulch Wells Pumps 2

**Client Sample ID: TB: AIEA GULCH WELLS PUMP 2  
 (331-202-TP072)**

**Lab Sample ID: 380-199897-2**

**Date Collected: 02/23/26 11:32**

**Matrix: Water**

**Date Received: 02/25/26 09:40**

**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			03/07/26 19:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		38 - 134				03/07/26 19:37	1

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

# Action Limit Summary

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

Job ID: 380-199897-1  
SDG: Weekly: Aiea Gulch Wells Pumps 2

**Client Sample ID: AIEA GULCH WELLS PUMP 2  
(331-202-TP072)**

**Lab Sample ID: 380-199897-1**

## Compliance Check

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

Analyte	Result	Qualifier	Unit	EPAMCL	RL	Method	Prep Type
				Limit			
Alachlor	<0.049		ug/L	2	0.049	525.2	Total/NA
Atrazine	<0.049		ug/L	3	0.049	525.2	Total/NA
Benzo[a]pyrene	<0.020		ug/L	0.2	0.020	525.2	Total/NA
Bis(2-ethylhexyl) phthalate	<0.59		ug/L	6	0.59	525.2	Total/NA
Di(2-ethylhexyl)adipate	<0.59		ug/L	400	0.59	525.2	Total/NA
Endrin	<0.0099		ug/L	2	0.0099	525.2	Total/NA
Heptachlor	<0.0099		ug/L	0.4	0.0099	525.2	Total/NA
Heptachlor epoxide (isomer B)	<0.0099		ug/L	0.2	0.0099	525.2	Total/NA
Hexachlorobenzene	<0.049		ug/L	1	0.049	525.2	Total/NA
Hexachlorocyclopentadiene	<0.049		ug/L	50	0.049	525.2	Total/NA
Lindane	<0.0099		ug/L	0.2	0.0099	525.2	Total/NA
Methoxychlor	<0.049		ug/L	40	0.049	525.2	Total/NA
Simazine	<0.049		ug/L	4	0.049	525.2	Total/NA
Benzo[a]pyrene	<0.19		ug/L	0.2	0.19	625.1 SIM	Total/NA

# Surrogate Summary

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

Job ID: 380-199897-1  
SDG: Weekly: Aiea Gulch Wells Pumps 2

## 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)
380-199896-F-1-A MS	Matrix Spike	98	95	105
380-199897-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	98	89	104
380-199916-H-1-A DU	Duplicate	97	88	103
LCS 380-210296/23-A	Lab Control Sample	100	98	107
MB 380-210296/21-A	Method Blank	97	87	103
MRL 380-210296/22-A	Lab Control Sample	97	91	105

**Surrogate Legend**  
 2NMX = 2-Nitro-m-xylene  
 PRY = Perylene-d12  
 TPP = Triphenylphosphate

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (33-139)	FBP (33-126)	2FP (12-120)	NBZ (36-120)	PHL6 (10-120)	TPHd14 (47-131)
380-199897-1	AIEA GULCH WELLS PUMP 2 (	85	76	53	87	35	78
MB 570-702398/1-A	Method Blank	90	77	56	94	36	79

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

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (28-127)	FBP (31-120)	2FP (17-120)	NBZ (27-120)	PHL6 (10-120)	TPHd14 (45-120)
380-199897-1	AIEA GULCH WELLS PUMP 2 (	95	89	57	91	35	79
380-199926-A-1-A MS	Matrix Spike	101	93	72	81	44	95
380-199926-C-1-A MSD	Matrix Spike Duplicate	110	100	79	88	50	100
LCS 570-702398/2-A	Lab Control Sample	109	99	82	85	51	103
LCSD 570-702398/3-A	Lab Control Sample Dup	109	96	80	102	49	98
MB 570-702398/1-A	Method Blank	114	95	64	96	37	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)

# Surrogate Summary

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

Job ID: 380-199897-1  
SDG: Weekly: Aiea Gulch Wells Pumps 2

## 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)
380-199897-1	AIEA GULCH WELLS PUMP 2 (	89
380-199897-2	TB: AIEA GULCH WELLS PUMF 2 (331-202-TP072)	90
380-200889-C-1 MS	Matrix Spike	76
380-200889-C-1 MSD	Matrix Spike Duplicate	86
LCS 570-705930/3	Lab Control Sample	80
LCSD 570 705930/4	Lab Control Sample Dup	85
MB 570-705930/5	Method Blank	84
MRL 570-705930/6	Lab Control Sample	84

#### Surrogate Legend

BFB = 4-Bromofluorobenzene (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)
380-199897-1	AIEA GULCH WELLS PUMP 2 (	79
380-199926-A-1-C MSD	Matrix Spike Duplicate	91
380-199926-B-1-A MS	Matrix Spike	91
LCS 570-702755/2-A	Lab Control Sample	94
LCSD 570-702755/3-A	Lab Control Sample Dup	95
MB 570-702755/1-A	Method Blank	87
MRL 570-702755/4-A	Lab Control Sample	96

#### Surrogate Legend

OTCSN = n-Octacosane (Surr)

# QC Sample Results

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

Job ID: 380-199897-1  
SDG: Weekly: Aiea Gulch Wells Pumps 2

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

**Lab Sample ID: MB 380-210296/21-A**  
**Matrix: Water**  
**Analysis Batch: 210624**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 210296**

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
1-Methylnaphthalene	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 14:03	1
2,4'-DDD	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 14:03	1
2,4'-DDE	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 14:03	1
2,4'-DDT	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 14:03	1
2,4-Dinitrotoluene	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 14:03	1
2,6-Dinitrotoluene	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 14:03	1
2-Methylnaphthalene	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 14:03	1
4,4'-DDD	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 14:03	1
4,4'-DDE	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 14:03	1
4,4'-DDT	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 14:03	1
Acenaphthene	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 14:03	1
Acenaphthylene	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 14:03	1
Acetochlor	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 14:03	1
Alachlor	<0.049		0.049	ug/L		03/03/26 15:16	03/04/26 14:03	1
alpha-BHC	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 14:03	1
alpha-Chlordane	<0.049		0.049	ug/L		03/03/26 15:16	03/04/26 14:03	1
Anthracene	<0.020		0.020	ug/L		03/03/26 15:16	03/04/26 14:03	1
Atrazine	<0.049		0.049	ug/L		03/03/26 15:16	03/04/26 14:03	1
Benz(a)anthracene	<0.049		0.049	ug/L		03/03/26 15:16	03/04/26 14:03	1
Benzo[a]pyrene	<0.020		0.020	ug/L		03/03/26 15:16	03/04/26 14:03	1
Benzo[b]fluoranthene	<0.020		0.020	ug/L		03/03/26 15:16	03/04/26 14:03	1
Benzo[g,h,i]perylene	<0.049		0.049	ug/L		03/03/26 15:16	03/04/26 14:03	1
Benzo[k]fluoranthene	<0.020		0.020	ug/L		03/03/26 15:16	03/04/26 14:03	1
beta-BHC	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 14:03	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59	ug/L		03/03/26 15:16	03/04/26 14:03	1
Bromacil	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 14:03	1
Butachlor	<0.049	^3+	0.049	ug/L		03/03/26 15:16	03/04/26 14:03	1
Butylbenzylphthalate	<0.49		0.49	ug/L		03/03/26 15:16	03/04/26 14:03	1
Chlorobenzilate	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 14:03	1
Chloroneb	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 14:03	1
Chlorothalonil (Draconil, Bravo)	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 14:03	1
Chlorpyrifos	<0.049		0.049	ug/L		03/03/26 15:16	03/04/26 14:03	1
Chrysene	<0.020		0.020	ug/L		03/03/26 15:16	03/04/26 14:03	1
delta-BHC	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 14:03	1
Di(2-ethylhexyl)adipate	<0.59		0.59	ug/L		03/03/26 15:16	03/04/26 14:03	1
Dibenz(a,h)anthracene	<0.049		0.049	ug/L		03/03/26 15:16	03/04/26 14:03	1
Diclorvos (DDVP)	<0.049		0.049	ug/L		03/03/26 15:16	03/04/26 14:03	1
Dieldrin	<0.0099		0.0099	ug/L		03/03/26 15:16	03/04/26 14:03	1
Diethylphthalate	<0.49		0.49	ug/L		03/03/26 15:16	03/04/26 14:03	1
Dimethylphthalate	<0.49		0.49	ug/L		03/03/26 15:16	03/04/26 14:03	1
Di-n-butyl phthalate	<0.99		0.99	ug/L		03/03/26 15:16	03/04/26 14:03	1
Di-n-octyl phthalate	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 14:03	1
Endosulfan I (Alpha)	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 14:03	1
Endosulfan II (Beta)	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 14:03	1
Endosulfan sulfate	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 14:03	1
Endrin	<0.0099		0.0099	ug/L		03/03/26 15:16	03/04/26 14:03	1
Endrin aldehyde	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 14:03	1
EPTC	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 14:03	1

# QC Sample Results

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

Job ID: 380-199897-1  
SDG: Weekly: Aiea Gulch Wells Pumps 2

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

**Lab Sample ID: MB 380-210296/21-A**  
**Matrix: Water**  
**Analysis Batch: 210624**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 210296**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 14:03	1
Fluorene	<0.049		0.049	ug/L		03/03/26 15:16	03/04/26 14:03	1
gamma-Chlordane	<0.049		0.049	ug/L		03/03/26 15:16	03/04/26 14:03	1
Heptachlor	<0.0099		0.0099	ug/L		03/03/26 15:16	03/04/26 14:03	1
Heptachlor epoxide (isomer B)	<0.0099		0.0099	ug/L		03/03/26 15:16	03/04/26 14:03	1
Hexachlorobenzene	<0.049		0.049	ug/L		03/03/26 15:16	03/04/26 14:03	1
Hexachlorocyclopentadiene	<0.049		0.049	ug/L		03/03/26 15:16	03/04/26 14:03	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049	ug/L		03/03/26 15:16	03/04/26 14:03	1
Isophorone	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 14:03	1
Lindane	<0.0099		0.0099	ug/L		03/03/26 15:16	03/04/26 14:03	1
Malathion	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 14:03	1
Methoxychlor	<0.049		0.049	ug/L		03/03/26 15:16	03/04/26 14:03	1
Metolachlor	<0.049		0.049	ug/L		03/03/26 15:16	03/04/26 14:03	1
Molinate	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 14:03	1
Naphthalene	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 14:03	1
Parathion	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 14:03	1
Pendimethalin (Penoxaline)	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 14:03	1
Phenanthrene	<0.040		0.040	ug/L		03/03/26 15:16	03/04/26 14:03	1
Propachlor	<0.049		0.049	ug/L		03/03/26 15:16	03/04/26 14:03	1
Pyrene	<0.049		0.049	ug/L		03/03/26 15:16	03/04/26 14:03	1
Simazine	<0.049		0.049	ug/L		03/03/26 15:16	03/04/26 14:03	1
Terbacil	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 14:03	1
Terbutylazine	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 14:03	1
Thiobencarb	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 14:03	1
Total Permethrin (mixed isomers)	<0.20		0.20	ug/L		03/03/26 15:16	03/04/26 14:03	1
trans-Nonachlor	<0.049		0.049	ug/L		03/03/26 15:16	03/04/26 14:03	1
Trifluralin	<0.099		0.099	ug/L		03/03/26 15:16	03/04/26 14:03	1

<i>Tentatively Identified Compound</i>	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
<i>Cyclopentene, 1,2,3,4,5-pentamethyl-</i>	0.559	T J N	ug/L		2.55	1000154-28-6	03/03/26 15:16	03/04/26 14:03	1
<i>Cyclopentene, 1,2,3,4,5-pentamethyl-</i>	1.47	T J N	ug/L		2.64	1000154-28-6	03/03/26 15:16	03/04/26 14:03	1
<i>Undecane, 4,6-dimethyl-</i>	0.893	T J N	ug/L		3.09	17312-82-2	03/03/26 15:16	03/04/26 14:03	1
<i>Undecane</i>	5.25	T J N	ug/L		3.23	1120-21-4	03/03/26 15:16	03/04/26 14:03	1
<i>Tridecane, 1-iodo-</i>	0.564	T J N	ug/L		3.88	35599-77-0	03/03/26 15:16	03/04/26 14:03	1
<i>9-Octadecenamide, (Z)-</i>	0.554	T J N	ug/L		8.11	301-02-0	03/03/26 15:16	03/04/26 14:03	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	97		70 - 130	03/03/26 15:16	03/04/26 14:03	1
Perylene-d12	87		70 - 130	03/03/26 15:16	03/04/26 14:03	1
Triphenylphosphate	103		70 - 130	03/03/26 15:16	03/04/26 14:03	1

# QC Sample Results

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

Job ID: 380-199897-1  
SDG: Weekly: Aiea Gulch Wells Pumps 2

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

**Lab Sample ID: LCS 380-210296/23-A**  
**Matrix: Water**  
**Analysis Batch: 210624**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 210296**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	1.97	2.05		ug/L		104	70 - 130
2,4'-DDD	1.97	2.15		ug/L		109	70 - 130
2,4'-DDE	1.97	2.06		ug/L		104	70 - 130
2,4'-DDT	1.97	2.20		ug/L		112	70 - 130
2,4-Dinitrotoluene	1.97	2.39		ug/L		121	70 - 130
2,6-Dinitrotoluene	1.97	2.33		ug/L		118	70 - 130
2-Methylnaphthalene	1.97	2.08		ug/L		105	70 - 130
4,4'-DDD	1.97	2.13		ug/L		108	70 - 130
4,4'-DDE	1.97	2.24		ug/L		114	70 - 130
4,4'-DDT	1.97	2.23		ug/L		113	70 - 130
Acenaphthene	1.97	2.13		ug/L		108	70 - 130
Acenaphthylene	1.97	2.12		ug/L		108	70 - 130
Acetochlor	1.97	2.13		ug/L		108	70 - 130
Alachlor	1.97	2.38		ug/L		121	70 - 130
alpha-BHC	1.97	2.23		ug/L		113	70 - 130
alpha-Chlordane	1.97	2.21		ug/L		112	70 - 130
Anthracene	1.97	2.19		ug/L		111	70 - 130
Atrazine	1.97	2.22		ug/L		113	70 - 130
Benz(a)anthracene	1.97	2.26		ug/L		114	70 - 130
Benzo[a]pyrene	1.97	2.33		ug/L		118	70 - 130
Benzo[b]fluoranthene	1.97	2.33		ug/L		118	70 - 130
Benzo[g,h,i]perylene	1.97	2.11		ug/L		107	70 - 130
Benzo[k]fluoranthene	1.97	2.10		ug/L		107	70 - 130
beta-BHC	1.97	2.30		ug/L		117	70 - 130
Bis(2-ethylhexyl) phthalate	1.97	2.14		ug/L		108	70 - 130
Bromacil	1.97	2.14		ug/L		109	70 - 130
Butachlor	1.97	2.23		ug/L		113	70 - 130
Butylbenzylphthalate	1.97	2.31		ug/L		117	70 - 130
Chlorobenzilate	1.97	2.42		ug/L		123	70 - 130
Chloroneb	1.97	2.21		ug/L		112	70 - 130
Chlorothalonil (Draconil, Bravo)	1.97	2.29		ug/L		116	70 - 130
Chlorpyrifos	1.97	2.12		ug/L		107	70 - 130
Chrysene	1.97	2.21		ug/L		112	70 - 130
delta-BHC	1.97	2.19		ug/L		111	70 - 130
Di(2-ethylhexyl)adipate	1.97	2.28		ug/L		116	70 - 130
Dibenz(a,h)anthracene	1.97	2.07		ug/L		105	70 - 130
Diclorvos (DDVP)	1.97	2.15		ug/L		109	70 - 130
Dieldrin	1.97	2.19		ug/L		111	70 - 130
Diethylphthalate	1.97	2.29		ug/L		116	70 - 130
Dimethylphthalate	1.97	2.24		ug/L		113	70 - 130
Di-n-butyl phthalate	3.94	4.54		ug/L		115	70 - 130
Di-n-octyl phthalate	1.97	2.13		ug/L		108	70 - 130
Endosulfan I (Alpha)	1.97	2.17		ug/L		110	70 - 130
Endosulfan II (Beta)	1.97	2.28		ug/L		116	70 - 130
Endosulfan sulfate	1.97	2.13		ug/L		108	70 - 130
Endrin	1.97	2.56		ug/L		130	70 - 130
Endrin aldehyde	1.97	2.25		ug/L		114	60 - 130
EPTC	1.97	2.17		ug/L		110	70 - 130

# QC Sample Results

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

Job ID: 380-199897-1  
SDG: Weekly: Aiea Gulch Wells Pumps 2

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

**Lab Sample ID: LCS 380-210296/23-A**  
**Matrix: Water**  
**Analysis Batch: 210624**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 210296**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoranthene	1.97	2.11		ug/L		107	70 - 130
Fluorene	1.97	2.27		ug/L		115	70 - 130
gamma-Chlordane	1.97	2.18		ug/L		111	70 - 130
Heptachlor	1.97	2.29		ug/L		116	70 - 130
Heptachlor epoxide (isomer B)	1.97	2.21		ug/L		112	70 - 130
Hexachlorobenzene	1.97	2.02		ug/L		103	70 - 130
Hexachlorocyclopentadiene	1.97	2.20		ug/L		112	70 - 130
Indeno[1,2,3-cd]pyrene	1.97	2.12		ug/L		108	70 - 130
Isophorone	1.97	2.05		ug/L		104	70 - 130
Lindane	1.97	2.28		ug/L		115	70 - 130
Malathion	1.97	2.25		ug/L		114	70 - 130
Methoxychlor	1.97	2.25		ug/L		114	70 - 130
Metolachlor	1.97	2.19		ug/L		111	70 - 130
Molinate	1.97	2.20		ug/L		112	70 - 130
Naphthalene	1.97	1.99		ug/L		101	70 - 130
Parathion	1.97	2.51		ug/L		127	70 - 130
Pendimethalin (Penoxaline)	1.97	2.43		ug/L		124	70 - 130
Phenanthrene	1.97	2.11		ug/L		107	70 - 130
Propachlor	1.97	2.29		ug/L		116	70 - 130
Pyrene	1.97	2.39		ug/L		121	70 - 130
Simazine	1.97	2.12		ug/L		107	70 - 130
Terbacil	1.97	2.28		ug/L		116	70 - 130
Terbutylazine	1.97	2.22		ug/L		113	70 - 130
Thiobencarb	1.97	2.07		ug/L		105	70 - 130
trans-Nonachlor	1.97	2.04		ug/L		103	70 - 130
Trifluralin	1.97	2.18		ug/L		111	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Nitro-m-xylene	100		70 - 130
Perylene-d12	98		70 - 130
Triphenylphosphate	107		70 - 130

**Lab Sample ID: MRL 380-210296/22-A**  
**Matrix: Water**  
**Analysis Batch: 210624**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 210296**

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	0.0983	0.107		ug/L		109	50 - 150
2,4'-DDD	0.0983	0.103		ug/L		105	50 - 150
2,4'-DDE	0.0983	0.109		ug/L		111	50 - 150
2,4'-DDT	0.0983	0.108		ug/L		109	50 - 150
2,4-Dinitrotoluene	0.0983	0.145		ug/L		147	50 - 150
2,6-Dinitrotoluene	0.0983	0.145		ug/L		148	50 - 150
2-Methylnaphthalene	0.0983	0.104		ug/L		106	50 - 150
4,4'-DDD	0.0983	0.106		ug/L		108	50 - 150
4,4'-DDE	0.0983	0.102		ug/L		104	50 - 150
4,4'-DDT	0.0983	0.125		ug/L		127	50 - 150
Acenaphthene	0.0983	0.101		ug/L		103	50 - 150

# QC Sample Results

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

Job ID: 380-199897-1  
SDG: Weekly: Aiea Gulch Wells Pumps 2

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

**Lab Sample ID: MRL 380-210296/22-A**  
**Matrix: Water**  
**Analysis Batch: 210624**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 210296**

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthylene	0.0983	0.0917	J	ug/L		93	50 - 150
Acetochlor	0.0983	0.124		ug/L		126	50 - 150
Alachlor	0.0491	0.0555		ug/L		113	50 - 150
alpha-BHC	0.0983	0.115		ug/L		117	50 - 150
alpha-Chlordane	0.0246	<0.029		ug/L		113	50 - 150
Anthracene	0.0197	0.0232		ug/L		118	50 - 150
Atrazine	0.0491	0.0651		ug/L		133	50 - 150
Benz(a)anthracene	0.0491	0.0587		ug/L		119	50 - 150
Benzo[a]pyrene	0.0197	0.0172	J	ug/L		88	50 - 150
Benzo[b]fluoranthene	0.0197	0.0199	J	ug/L		101	50 - 150
Benzo[g,h,i]perylene	0.0491	0.0593		ug/L		121	50 - 150
Benzo[k]fluoranthene	0.0197	0.0292		ug/L		149	50 - 150
beta-BHC	0.0983	0.125		ug/L		127	50 - 150
Bis(2-ethylhexyl) phthalate	0.590	0.632		ug/L		107	50 - 150
Bromacil	0.0983	0.135		ug/L		137	50 - 150
Butachlor	0.0491	0.0785	^3+	ug/L		160	50 - 150
Butylbenzylphthalate	0.491	0.553		ug/L		113	50 - 150
Chlorobenzilate	0.0983	0.132		ug/L		134	50 - 150
Chloroneb	0.0983	0.108		ug/L		110	50 - 150
Chlorothalonil (Draconil, Bravo)	0.0983	0.105		ug/L		107	50 - 150
Chlorpyrifos	0.0491	0.0657		ug/L		134	50 - 150
Chrysene	0.0197	0.0232		ug/L		118	50 - 150
delta-BHC	0.0983	0.108		ug/L		110	50 - 150
Di(2-ethylhexyl)adipate	0.590	0.644		ug/L		109	50 - 150
Dibenz(a,h)anthracene	0.0491	0.0591		ug/L		120	50 - 150
Diclorvos (DDVP)	0.0491	0.0523		ug/L		106	50 - 150
Dieldrin	0.00983	0.0138		ug/L		140	50 - 150
Diethylphthalate	0.491	0.569		ug/L		116	50 - 150
Dimethylphthalate	0.491	0.533		ug/L		108	50 - 150
Di-n-butyl phthalate	0.491	0.601	J	ug/L		122	49 - 243
Di-n-octyl phthalate	0.0983	0.108		ug/L		110	50 - 150
Endosulfan I (Alpha)	0.0983	0.105		ug/L		107	50 - 150
Endosulfan II (Beta)	0.0983	0.103		ug/L		105	50 - 150
Endosulfan sulfate	0.0983	0.114		ug/L		116	50 - 150
Endrin	0.00983	0.0146		ug/L		148	50 - 150
Endrin aldehyde	0.0983	0.113		ug/L		115	50 - 150
EPTC	0.0983	0.0952	J	ug/L		97	50 - 150
Fluoranthene	0.0983	0.107		ug/L		109	50 - 150
Fluorene	0.0491	0.0561		ug/L		114	50 - 150
gamma-Chlordane	0.0246	0.0269	J	ug/L		110	50 - 150
Heptachlor	0.00983	0.0125		ug/L		127	50 - 150
Heptachlor epoxide (isomer B)	0.00983	0.0113		ug/L		115	50 - 150
Hexachlorobenzene	0.0491	0.0498		ug/L		101	50 - 150
Hexachlorocyclopentadiene	0.0491	0.0499		ug/L		102	50 - 150
Indeno[1,2,3-cd]pyrene	0.0491	0.0601		ug/L		122	50 - 150
Isophorone	0.0983	0.117		ug/L		119	50 - 150
Lindane	0.00983	0.0122		ug/L		125	50 - 150
Malathion	0.0983	0.118		ug/L		120	50 - 150
Methoxychlor	0.0491	0.0625		ug/L		127	50 - 150

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# QC Sample Results

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

Job ID: 380-199897-1  
SDG: Weekly: Aiea Gulch Wells Pumps 2

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

**Lab Sample ID: MRL 380-210296/22-A**  
**Matrix: Water**  
**Analysis Batch: 210624**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 210296**

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Metolachlor	0.0491	0.0716		ug/L		146	50 - 150
Molinate	0.0983	0.103		ug/L		105	50 - 150
Naphthalene	0.0983	0.101		ug/L		103	50 - 150
Parathion	0.0983	0.118		ug/L		120	50 - 150
Pendimethalin (Penoxaline)	0.0983	0.128		ug/L		130	50 - 150
Phenanthrene	0.0393	0.0452		ug/L		115	50 - 150
Propachlor	0.0491	0.0574		ug/L		117	50 - 150
Pyrene	0.0491	0.0541		ug/L		110	50 - 150
Simazine	0.0491	0.0709		ug/L		144	50 - 150
Terbacil	0.0983	0.119		ug/L		121	50 - 150
Terbutylazine	0.0983	0.115		ug/L		117	50 - 150
Thiobencarb	0.0983	0.116		ug/L		118	50 - 150
trans-Nonachlor	0.0246	0.0262	J	ug/L		107	50 - 150
Trifluralin	0.0983	0.119		ug/L		121	50 - 150

Surrogate	MRL %Recovery	MRL Qualifier	Limits
2-Nitro-m-xylene	97		70 - 130
Perylene-d12	91		70 - 130
Triphenylphosphate	105		70 - 130

**Lab Sample ID: 380-199896-F-1-A MS**  
**Matrix: Water**  
**Analysis Batch: 210624**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 210296**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.097		1.97	2.05		ug/L		104	70 - 130
2,4'-DDD	<0.097		1.97	2.13		ug/L		108	70 - 130
2,4'-DDE	<0.097		1.97	1.99		ug/L		101	70 - 130
2,4'-DDT	<0.097		1.97	2.03		ug/L		103	70 - 130
2,4-Dinitrotoluene	<0.097		1.97	2.33		ug/L		119	70 - 130
2,6-Dinitrotoluene	<0.097		1.97	2.38		ug/L		121	70 - 130
2-Methylnaphthalene	<0.097		1.97	2.11		ug/L		107	70 - 130
4,4'-DDD	<0.097		1.97	2.13		ug/L		108	70 - 130
4,4'-DDE	<0.097		1.97	2.11		ug/L		107	70 - 130
4,4'-DDT	<0.097		1.97	2.04		ug/L		104	70 - 130
Acenaphthene	<0.097		1.97	2.10		ug/L		107	70 - 130
Acenaphthylene	<0.097		1.97	2.07		ug/L		105	70 - 130
Acetochlor	<0.097		1.97	2.15		ug/L		109	70 - 130
Alachlor	<0.049		1.97	2.39		ug/L		122	70 - 130
alpha-BHC	<0.097		1.97	2.28		ug/L		116	70 - 130
alpha-Chlordane	<0.049		1.97	2.18		ug/L		109	70 - 130
Anthracene	<0.019		1.97	2.14		ug/L		109	70 - 130
Atrazine	<0.049		1.97	2.27		ug/L		115	70 - 130
Benz(a)anthracene	<0.049		1.97	2.23		ug/L		113	70 - 130
Benzo[a]pyrene	<0.019		1.97	2.30		ug/L		117	70 - 130
Benzo[b]fluoranthene	<0.019		1.97	2.35		ug/L		120	70 - 130
Benzo[g,h,i]perylene	<0.049		1.97	2.05		ug/L		104	70 - 130
Benzo[k]fluoranthene	<0.019		1.97	2.12		ug/L		108	70 - 130

# QC Sample Results

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

Job ID: 380-199897-1  
SDG: Weekly: Aiea Gulch Wells Pumps 2

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

**Lab Sample ID: 380-199896-F-1-A MS**  
**Matrix: Water**  
**Analysis Batch: 210624**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 210296**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
beta-BHC	<0.097		1.97	2.27		ug/L		115	70 - 130
Bis(2-ethylhexyl) phthalate	<0.58		1.97	1.88		ug/L		96	70 - 130
Bromacil	<0.097		1.97	2.28		ug/L		114	70 - 130
Butachlor	<0.049	^3+	1.97	2.22		ug/L		113	70 - 130
Butylbenzylphthalate	<0.49		1.97	2.25		ug/L		114	70 - 130
Chlorobenzilate	<0.097		1.97	2.46		ug/L		125	70 - 130
Chloroneb	<0.097		1.97	2.22		ug/L		113	70 - 130
Chlorothalonil (Draconil, Bravo)	<0.097		1.97	2.30		ug/L		117	70 - 130
Chlorpyrifos	<0.049		1.97	2.09		ug/L		107	70 - 130
Chrysene	<0.019		1.97	2.26		ug/L		115	70 - 130
delta-BHC	<0.097		1.97	2.21		ug/L		112	70 - 130
Di(2-ethylhexyl)adipate	<0.58		1.97	1.97		ug/L		100	70 - 130
Dibenz(a,h)anthracene	<0.049		1.97	2.01		ug/L		103	70 - 130
Diclorvos (DDVP)	<0.049		1.97	2.18		ug/L		111	70 - 130
Dieldrin	0.088		1.97	2.29		ug/L		112	70 - 130
Diethylphthalate	<0.49		1.97	2.30		ug/L		117	70 - 130
Dimethylphthalate	<0.49		1.97	2.30		ug/L		117	70 - 130
Di-n-butyl phthalate	<0.97		3.93	4.39		ug/L		112	70 - 130
Di-n-octyl phthalate	<0.097		1.97	1.80		ug/L		92	70 - 130
Endosulfan I (Alpha)	<0.097		1.97	2.12		ug/L		108	70 - 130
Endosulfan II (Beta)	<0.097		1.97	2.28		ug/L		116	70 - 130
Endosulfan sulfate	<0.097		1.97	2.11		ug/L		107	70 - 130
Endrin	<0.0097	F1	1.97	2.59	F1	ug/L		132	70 - 130
Endrin aldehyde	<0.097		1.97	2.15		ug/L		109	60 - 130
EPTC	<0.097		1.97	2.17		ug/L		110	70 - 130
Fluoranthene	<0.097		1.97	2.16		ug/L		109	70 - 130
Fluorene	<0.049		1.97	2.29		ug/L		117	70 - 130
gamma-Chlordane	<0.049		1.97	2.15		ug/L		108	70 - 130
Heptachlor	<0.0097		1.97	2.26		ug/L		115	70 - 130
Heptachlor epoxide (isomer B)	0.014		1.97	2.23		ug/L		113	70 - 130
Hexachlorobenzene	<0.049		1.97	1.99		ug/L		101	70 - 130
Hexachlorocyclopentadiene	<0.049		1.97	2.05		ug/L		104	70 - 130
Indeno[1,2,3-cd]pyrene	<0.049		1.97	2.03		ug/L		103	70 - 130
Isophorone	<0.097		1.97	2.06		ug/L		105	70 - 130
Lindane	<0.0097		1.97	2.28		ug/L		116	70 - 130
Malathion	<0.097		1.97	2.26		ug/L		115	70 - 130
Methoxychlor	<0.049		1.97	2.28		ug/L		116	70 - 130
Metolachlor	<0.049		1.97	2.22		ug/L		113	70 - 130
Molinate	<0.097		1.97	2.25		ug/L		114	70 - 130
Naphthalene	<0.097		1.97	2.01		ug/L		102	70 - 130
Parathion	<0.097		1.97	2.41		ug/L		123	70 - 130
Pendimethalin (Penoxaline)	<0.097		1.97	2.25		ug/L		114	70 - 130
Phenanthrene	<0.039		1.97	2.12		ug/L		108	70 - 130
Propachlor	<0.049		1.97	2.34		ug/L		119	70 - 130
Pyrene	<0.049		1.97	2.41		ug/L		122	70 - 130
Simazine	<0.049		1.97	2.21		ug/L		112	70 - 130
Terbacil	<0.097		1.97	2.40		ug/L		122	70 - 130
Terbutylazine	<0.097		1.97	2.21		ug/L		112	70 - 130
Thiobencarb	<0.097		1.97	2.10		ug/L		107	70 - 130

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# QC Sample Results

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

Job ID: 380-199897-1  
SDG: Weekly: Aiea Gulch Wells Pumps 2

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

**Lab Sample ID: 380-199896-F-1-A MS**  
**Matrix: Water**  
**Analysis Batch: 210624**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 210296**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
trans-Nonachlor	<0.049		1.97	2.00		ug/L		101	70 - 130
Trifluralin	<0.097		1.97	2.07		ug/L		106	70 - 130

Surrogate	MS %Recovery	MS Qualifier	MS Limits
2-Nitro-m-xylene	98		70 - 130
Perylene-d12	95		70 - 130
Triphenylphosphate	105		70 - 130

**Lab Sample ID: 380-199916-H-1-A DU**  
**Matrix: Water**  
**Analysis Batch: 210624**

**Client Sample ID: Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 210296**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	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	^3+	<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

# QC Sample Results

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

Job ID: 380-199897-1  
 SDG: Weekly: Aiea Gulch Wells Pumps 2

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

**Lab Sample ID: 380-199916-H-1-A DU**  
**Matrix: Water**  
**Analysis Batch: 210624**

**Client Sample ID: Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 210296**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Dibenz(a,h)anthracene	<0.049		<0.049		ug/L		NC	20
Diclorvos (DDVP)	<0.049		<0.049		ug/L		NC	20
Dieldrin	<0.0098		<0.0098		ug/L		NC	20
Diethylphthalate	<0.49		<0.49		ug/L		NC	20
Dimethylphthalate	<0.49		<0.49		ug/L		NC	20
Di-n-butyl phthalate	<0.98		<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
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)	<0.0098		<0.0098		ug/L		NC	20
Hexachlorobenzene	<0.049		<0.049		ug/L		NC	20
Hexachlorocyclopentadiene	<0.049		<0.049		ug/L		NC	20
Indeno[1,2,3-cd]pyrene	<0.049		<0.049		ug/L		NC	20
Isophorone	<0.098		<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	DU %Recovery	DU Qualifier	Limits
2-Nitro-m-xylene	97		70 - 130
Perylene-d12	88		70 - 130
Triphenylphosphate	103		70 - 130

# QC Sample Results

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

Job ID: 380-199897-1  
SDG: Weekly: Aiea Gulch Wells Pumps 2

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

**Lab Sample ID: MB 570-702398/1-A**  
**Matrix: Water**  
**Analysis Batch: 702941**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 702398**

<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>MB MB Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Tentatively Identified Compound</i>	<i>None</i>		<i>ug/L</i>			<i>N/A</i>	<i>02/27/26 17:44</i>	<i>03/02/26 10:16</i>	<i>1</i>
<i>Surrogate</i>	<i>%Recovery</i>	<i>MB MB Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>2,4,6-Tribromophenol (Surr)</i>	90		33 - 139				<i>02/27/26 17:44</i>	<i>03/02/26 10:16</i>	<i>1</i>
<i>2-Fluorobiphenyl (Surr)</i>	77		33 - 126				<i>02/27/26 17:44</i>	<i>03/02/26 10:16</i>	<i>1</i>
<i>2-Fluorophenol (Surr)</i>	56		12 - 120				<i>02/27/26 17:44</i>	<i>03/02/26 10:16</i>	<i>1</i>
<i>Nitrobenzene-d5 (Surr)</i>	94		36 - 120				<i>02/27/26 17:44</i>	<i>03/02/26 10:16</i>	<i>1</i>
<i>Phenol-d6 (Surr)</i>	36		10 - 120				<i>02/27/26 17:44</i>	<i>03/02/26 10:16</i>	<i>1</i>
<i>p-Terphenyl-d14 (Surr)</i>	79		47 - 131				<i>02/27/26 17:44</i>	<i>03/02/26 10:16</i>	<i>1</i>

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

**Lab Sample ID: MB 570-702398/1-A**  
**Matrix: Water**  
**Analysis Batch: 702938**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 702398**

<i>Analyte</i>	<i>Result</i>	<i>MB MB Qualifier</i>	<i>RL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>1-Methylnaphthalene</i>	<0.20		0.20	ug/L		<i>02/27/26 17:44</i>	<i>03/02/26 08:54</i>	<i>1</i>
<i>2-Methylnaphthalene</i>	<0.20		0.20	ug/L		<i>02/27/26 17:44</i>	<i>03/02/26 08:54</i>	<i>1</i>
<i>Acenaphthene</i>	<0.20		0.20	ug/L		<i>02/27/26 17:44</i>	<i>03/02/26 08:54</i>	<i>1</i>
<i>Acenaphthylene</i>	<0.20		0.20	ug/L		<i>02/27/26 17:44</i>	<i>03/02/26 08:54</i>	<i>1</i>
<i>Anthracene</i>	<0.20		0.20	ug/L		<i>02/27/26 17:44</i>	<i>03/02/26 08:54</i>	<i>1</i>
<i>Benzo[a]anthracene</i>	<0.20		0.20	ug/L		<i>02/27/26 17:44</i>	<i>03/02/26 08:54</i>	<i>1</i>
<i>Benzo[a]pyrene</i>	<0.20		0.20	ug/L		<i>02/27/26 17:44</i>	<i>03/02/26 08:54</i>	<i>1</i>
<i>Benzo[b]fluoranthene</i>	<0.20		0.20	ug/L		<i>02/27/26 17:44</i>	<i>03/02/26 08:54</i>	<i>1</i>
<i>Benzo[g,h,i]perylene</i>	<0.20		0.20	ug/L		<i>02/27/26 17:44</i>	<i>03/02/26 08:54</i>	<i>1</i>
<i>Benzo[k]fluoranthene</i>	<0.20		0.20	ug/L		<i>02/27/26 17:44</i>	<i>03/02/26 08:54</i>	<i>1</i>
<i>Chrysene</i>	<0.20		0.20	ug/L		<i>02/27/26 17:44</i>	<i>03/02/26 08:54</i>	<i>1</i>
<i>Dibenz(a,h)anthracene</i>	<0.20		0.20	ug/L		<i>02/27/26 17:44</i>	<i>03/02/26 08:54</i>	<i>1</i>
<i>Fluoranthene</i>	<0.20		0.20	ug/L		<i>02/27/26 17:44</i>	<i>03/02/26 08:54</i>	<i>1</i>
<i>Fluorene</i>	<0.20		0.20	ug/L		<i>02/27/26 17:44</i>	<i>03/02/26 08:54</i>	<i>1</i>
<i>Indeno[1,2,3-cd]pyrene</i>	<0.20		0.20	ug/L		<i>02/27/26 17:44</i>	<i>03/02/26 08:54</i>	<i>1</i>
<i>Naphthalene</i>	<0.20		0.20	ug/L		<i>02/27/26 17:44</i>	<i>03/02/26 08:54</i>	<i>1</i>
<i>Phenanthrene</i>	<0.20		0.20	ug/L		<i>02/27/26 17:44</i>	<i>03/02/26 08:54</i>	<i>1</i>
<i>Pyrene</i>	<0.20		0.20	ug/L		<i>02/27/26 17:44</i>	<i>03/02/26 08:54</i>	<i>1</i>
<i>Surrogate</i>	<i>%Recovery</i>	<i>MB MB Qualifier</i>	<i>Limits</i>			<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>2,4,6-Tribromophenol (Surr)</i>	114		28 - 127			<i>02/27/26 17:44</i>	<i>03/02/26 08:54</i>	<i>1</i>
<i>2-Fluorobiphenyl (Surr)</i>	95		31 - 120			<i>02/27/26 17:44</i>	<i>03/02/26 08:54</i>	<i>1</i>
<i>2-Fluorophenol (Surr)</i>	64		17 - 120			<i>02/27/26 17:44</i>	<i>03/02/26 08:54</i>	<i>1</i>
<i>Nitrobenzene-d5 (Surr)</i>	96		27 - 120			<i>02/27/26 17:44</i>	<i>03/02/26 08:54</i>	<i>1</i>
<i>Phenol-d6 (Surr)</i>	37		10 - 120			<i>02/27/26 17:44</i>	<i>03/02/26 08:54</i>	<i>1</i>
<i>p-Terphenyl-d14 (Surr)</i>	86		45 - 120			<i>02/27/26 17:44</i>	<i>03/02/26 08:54</i>	<i>1</i>

# QC Sample Results

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

Job ID: 380-199897-1  
SDG: Weekly: Aiea Gulch Wells Pumps 2

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

**Lab Sample ID: LCS 570-702398/2-A**  
**Matrix: Water**  
**Analysis Batch: 702938**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 702398**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	20.0	17.0		ug/L		85	47 - 120
2-Methylnaphthalene	20.0	16.9		ug/L		85	43 - 120
Acenaphthene	20.0	20.4		ug/L		102	60 - 132
Acenaphthylene	20.0	14.6		ug/L		73	54 - 126
Anthracene	20.0	20.1		ug/L		100	43 - 120
Benzo[a]anthracene	20.0	21.9		ug/L		109	42 - 133
Benzo[a]pyrene	20.0	24.6		ug/L		123	32 - 148
Benzo[b]fluoranthene	20.0	23.4		ug/L		117	42 - 140
Benzo[g,h,i]perylene	20.0	21.8		ug/L		109	1 - 195
Benzo[k]fluoranthene	20.0	21.5		ug/L		107	25 - 146
Chrysene	20.0	21.1		ug/L		105	44 - 140
Dibenz(a,h)anthracene	20.0	22.3		ug/L		111	1 - 200
Fluoranthene	20.0	21.9		ug/L		110	43 - 121
Fluorene	20.0	21.8		ug/L		109	70 - 120
Indeno[1,2,3-cd]pyrene	20.0	23.4		ug/L		117	1 - 151
Naphthalene	20.0	16.3		ug/L		82	36 - 120
Phenanthrene	20.0	21.3		ug/L		106	65 - 120
Pyrene	20.0	22.0		ug/L		110	70 - 120

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol (Surr)	109		28 - 127
2-Fluorobiphenyl (Surr)	99		31 - 120
2-Fluorophenol (Surr)	82		17 - 120
Nitrobenzene-d5 (Surr)	85		27 - 120
Phenol-d6 (Surr)	51		10 - 120
p-Terphenyl-d14 (Surr)	103		45 - 120

**Lab Sample ID: LCSD 570-702398/3-A**  
**Matrix: Water**  
**Analysis Batch: 702938**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 702398**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
1-Methylnaphthalene	20.0	20.1		ug/L		101	47 - 120	17	20
2-Methylnaphthalene	20.0	20.2		ug/L		101	43 - 120	18	20
Acenaphthene	20.0	20.4		ug/L		102	60 - 132	0	29
Acenaphthylene	20.0	13.9		ug/L		70	54 - 126	4	45
Anthracene	20.0	20.8		ug/L		104	43 - 120	3	40
Benzo[a]anthracene	20.0	21.9		ug/L		110	42 - 133	0	32
Benzo[a]pyrene	20.0	24.2		ug/L		121	32 - 148	1	43
Benzo[b]fluoranthene	20.0	23.4		ug/L		117	42 - 140	0	43
Benzo[g,h,i]perylene	20.0	22.3		ug/L		111	1 - 195	2	61
Benzo[k]fluoranthene	20.0	21.4		ug/L		107	25 - 146	0	38
Chrysene	20.0	21.1		ug/L		106	44 - 140	0	53
Dibenz(a,h)anthracene	20.0	23.5		ug/L		118	1 - 200	6	75
Fluoranthene	20.0	22.4		ug/L		112	43 - 121	2	40
Fluorene	20.0	21.3		ug/L		106	70 - 120	3	23
Indeno[1,2,3-cd]pyrene	20.0	24.4		ug/L		122	1 - 151	4	60
Naphthalene	20.0	20.8		ug/L		104	36 - 120	24	39

Eurofins Pomona

# QC Sample Results

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

Job ID: 380-199897-1  
SDG: Weekly: Aiea Gulch Wells Pumps 2

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

**Lab Sample ID: LCSD 570-702398/3-A**  
**Matrix: Water**  
**Analysis Batch: 702938**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 702398**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phenanthrene	20.0	21.7		ug/L		108	65 - 120	2	24
Pyrene	20.0	21.4		ug/L		107	70 - 120	3	30

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
2,4,6-Tribromophenol (Surr)	109		28 - 127
2-Fluorobiphenyl (Surr)	96		31 - 120
2-Fluorophenol (Surr)	80		17 - 120
Nitrobenzene-d5 (Surr)	102		27 - 120
Phenol-d6 (Surr)	49		10 - 120
p-Terphenyl-d14 (Surr)	98		45 - 120

**Lab Sample ID: 380-199926-A-1-A MS**  
**Matrix: Water**  
**Analysis Batch: 702938**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 702398**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.19		19.4	15.6		ug/L		80	36 - 120
2-Methylnaphthalene	<0.19		19.4	15.3		ug/L		79	32 - 124
Acenaphthene	<0.19		19.4	18.2		ug/L		94	47 - 145
Acenaphthylene	<0.19		19.4	12.8		ug/L		66	33 - 145
Anthracene	<0.19		19.4	18.5		ug/L		95	27 - 133
Benzo[a]anthracene	<0.19		19.4	19.8		ug/L		102	33 - 143
Benzo[a]pyrene	<0.19		19.4	21.8		ug/L		112	17 - 163
Benzo[b]fluoranthene	<0.19		19.4	20.6		ug/L		106	24 - 159
Benzo[g,h,i]perylene	<0.19		19.4	19.6		ug/L		101	1 - 219
Benzo[k]fluoranthene	<0.19		19.4	19.7		ug/L		101	11 - 162
Chrysene	<0.19		19.4	18.7		ug/L		96	17 - 168
Dibenz(a,h)anthracene	<0.19		19.4	20.6		ug/L		106	1 - 227
Fluoranthene	<0.19		19.4	19.7		ug/L		101	26 - 137
Fluorene	<0.19		19.4	19.3		ug/L		99	59 - 121
Indeno[1,2,3-cd]pyrene	<0.19		19.4	21.4		ug/L		110	1 - 171
Naphthalene	<0.19		19.4	15.0		ug/L		77	21 - 133
Phenanthrene	<0.19		19.4	19.3		ug/L		99	54 - 120
Pyrene	<0.19		19.4	19.6		ug/L		101	52 - 120

Surrogate	MS %Recovery	MS Qualifier	MS Limits
2,4,6-Tribromophenol (Surr)	101		28 - 127
2-Fluorobiphenyl (Surr)	93		31 - 120
2-Fluorophenol (Surr)	72		17 - 120
Nitrobenzene-d5 (Surr)	81		27 - 120
Phenol-d6 (Surr)	44		10 - 120
p-Terphenyl-d14 (Surr)	95		45 - 120

# QC Sample Results

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

Job ID: 380-199897-1  
SDG: Weekly: Aiea Gulch Wells Pumps 2

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

**Lab Sample ID: 380-199926-C-1-A MSD**  
**Matrix: Water**  
**Analysis Batch: 702938**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 702398**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
1-Methylnaphthalene	<0.19		19.6	17.2		ug/L		88	36 - 120	10	30	
2-Methylnaphthalene	<0.19		19.6	16.8		ug/L		86	32 - 124	10	30	
Acenaphthene	<0.19		19.6	20.6		ug/L		105	47 - 145	12	48	
Acenaphthylene	<0.19		19.6	14.5		ug/L		74	33 - 145	13	74	
Anthracene	<0.19		19.6	20.7		ug/L		105	27 - 133	11	66	
Benzo[a]anthracene	<0.19		19.6	21.9		ug/L		112	33 - 143	10	53	
Benzo[a]pyrene	<0.19		19.6	24.1		ug/L		123	17 - 163	10	72	
Benzo[b]fluoranthene	<0.19		19.6	22.7		ug/L		116	24 - 159	10	71	
Benzo[g,h,i]perylene	<0.19		19.6	21.4		ug/L		109	1 - 219	9	97	
Benzo[k]fluoranthene	<0.19		19.6	21.5		ug/L		110	11 - 162	9	63	
Chrysene	<0.19		19.6	20.8		ug/L		106	17 - 168	11	87	
Dibenz(a,h)anthracene	<0.19		19.6	22.3		ug/L		114	1 - 227	8	126	
Fluoranthene	<0.19		19.6	22.0		ug/L		112	26 - 137	11	66	
Fluorene	<0.19		19.6	21.8		ug/L		111	59 - 121	12	38	
Indeno[1,2,3-cd]pyrene	<0.19		19.6	23.5		ug/L		120	1 - 171	9	99	
Naphthalene	<0.19		19.6	16.5		ug/L		84	21 - 133	10	65	
Phenanthrene	<0.19		19.6	21.2		ug/L		108	54 - 120	10	39	
Pyrene	<0.19		19.6	21.7		ug/L		111	52 - 120	10	49	

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
2,4,6-Tribromophenol (Surr)	110		28 - 127
2-Fluorobiphenyl (Surr)	100		31 - 120
2-Fluorophenol (Surr)	79		17 - 120
Nitrobenzene-d5 (Surr)	88		27 - 120
Phenol-d6 (Surr)	50		10 - 120
p-Terphenyl-d14 (Surr)	100		45 - 120

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

**Lab Sample ID: MB 570-705930/5**  
**Matrix: Water**  
**Analysis Batch: 705930**

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10	ug/L			03/07/26 13:00	1

Surrogate	MB %Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		38 - 134		03/07/26 13:00	1

**Lab Sample ID: LCS 570-705930/3**  
**Matrix: Water**  
**Analysis Batch: 705930**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (C4-C13)	400	421		ug/L		105	78 - 120

# QC Sample Results

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

Job ID: 380-199897-1  
SDG: Weekly: Aiea Gulch Wells Pumps 2

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

**Lab Sample ID: LCS 570-705930/3**  
**Matrix: Water**  
**Analysis Batch: 705930**

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

<i>Surrogate</i>	<i>LCS</i> %Recovery	<i>LCS</i> Qualifier	<i>Limits</i>
4-Bromofluorobenzene (Surr)	80		38 - 134

**Lab Sample ID: LCSD 570-705930/4**  
**Matrix: Water**  
**Analysis Batch: 705930**

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

<i>Analyte</i>	<i>Spike</i> Added	<i>LCSD</i> Result	<i>LCSD</i> Qualifier	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec</i> Limits	<i>RPD</i>	<i>RPD</i> Limit
Gasoline Range Organics (C4-C13)	400	428		ug/L		107	78 - 120	2	10

<i>Surrogate</i>	<i>LCSD</i> %Recovery	<i>LCSD</i> Qualifier	<i>Limits</i>
4-Bromofluorobenzene (Surr)	85		38 - 134

**Lab Sample ID: MRL 570-705930/6**  
**Matrix: Water**  
**Analysis Batch: 705930**

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

<i>Analyte</i>	<i>Spike</i> Added	<i>MRL</i> Result	<i>MRL</i> Qualifier	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec</i> Limits
Gasoline Range Organics (C4-C13)	10.0	<7.9		ug/L		68	50 - 150

<i>Surrogate</i>	<i>MRL</i> %Recovery	<i>MRL</i> Qualifier	<i>Limits</i>
4-Bromofluorobenzene (Surr)	84		38 - 134

**Lab Sample ID: 380-200889-C-1 MS**  
**Matrix: Water**  
**Analysis Batch: 705930**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**

<i>Analyte</i>	<i>Sample</i> Result	<i>Sample</i> Qualifier	<i>Spike</i> Added	<i>MS</i> Result	<i>MS</i> Qualifier	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec</i> Limits
Gasoline Range Organics (C4-C13)	<10		400	381		ug/L		95	68 - 122

<i>Surrogate</i>	<i>MS</i> %Recovery	<i>MS</i> Qualifier	<i>Limits</i>
4-Bromofluorobenzene (Surr)	76		38 - 134

**Lab Sample ID: 380-200889-C-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 705930**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**

<i>Analyte</i>	<i>Sample</i> Result	<i>Sample</i> Qualifier	<i>Spike</i> Added	<i>MSD</i> Result	<i>MSD</i> Qualifier	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec</i> Limits	<i>RPD</i>	<i>RPD</i> Limit
Gasoline Range Organics (C4-C13)	<10		400	369		ug/L		92	68 - 122	3	18

<i>Surrogate</i>	<i>MSD</i> %Recovery	<i>MSD</i> Qualifier	<i>Limits</i>
4-Bromofluorobenzene (Surr)	86		38 - 134

# QC Sample Results

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

Job ID: 380-199897-1  
SDG: Weekly: Aiea Gulch Wells Pumps 2

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

**Lab Sample ID: MB 570-702755/1-A**  
**Matrix: Water**  
**Analysis Batch: 706124**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 702755**

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Diesel Range Organics (C10-C24)	<25		25	ug/L		03/01/26 09:19	03/08/26 13:39	1
Motor Oil Range Organics [C24-C36]	<25		25	ug/L		03/01/26 09:19	03/08/26 13:39	1
C8-C18	<25		25	ug/L		03/01/26 09:19	03/08/26 13:39	1
Surrogate	MB MB		Limits			Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier						
<i>n-Octacosane (Surr)</i>	87		60 - 130			03/01/26 09:19	03/08/26 13:39	1

**Lab Sample ID: LCS 570-702755/2-A**  
**Matrix: Water**  
**Analysis Batch: 706124**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 702755**

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits		
		Result	Qualifier					RPD	Limit
C10-C28	1600	1480		ug/L		93	56 - 127		
Surrogate	LCS LCS		Limits			%Rec			
	%Recovery	Qualifier							
<i>n-Octacosane (Surr)</i>	94		60 - 130						

**Lab Sample ID: LCSD 570-702755/3-A**  
**Matrix: Water**  
**Analysis Batch: 706124**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 702755**

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec Limits	RPD	
		Result	Qualifier					RPD	Limit
C10-C28	1600	1530		ug/L		95	56 - 127	3	23
Surrogate	LCSD LCSD		Limits			%Rec			
	%Recovery	Qualifier							
<i>n-Octacosane (Surr)</i>	95		60 - 130						

**Lab Sample ID: MRL 570-702755/4-A**  
**Matrix: Water**  
**Analysis Batch: 706124**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 702755**

Analyte	Spike Added	MRL MRL		Unit	D	%Rec	%Rec Limits		
		Result	Qualifier					RPD	Limit
C10-C28	0.0200	0.0283		mg/L		141	50 - 150		
Surrogate	MRL MRL		Limits			%Rec			
	%Recovery	Qualifier							
<i>n-Octacosane (Surr)</i>	96		60 - 130						

**Lab Sample ID: 380-199926-A-1-C MSD**  
**Matrix: Water**  
**Analysis Batch: 706124**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 702755**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD MSD		Unit	D	%Rec	%Rec Limits	RPD	
				Result	Qualifier					RPD	Limit
C10-C28	<26		1650	1520		ug/L		92	70 - 130	7	20
Surrogate	MSD MSD		Limits					%Rec			
	%Recovery	Qualifier									
<i>n-Octacosane (Surr)</i>	91		60 - 130								

# QC Sample Results

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

Job ID: 380-199897-1  
 SDG: Weekly: Aiea Gulch Wells Pumps 2

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

**Lab Sample ID: 380-199926-B-1-A MS**  
**Matrix: Water**  
**Analysis Batch: 706124**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 702755**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
C10-C28	<26		1660	1630		ug/L		99	70 - 130
<b>Surrogate</b>	<b>MS</b>	<b>MS</b>							
<i>n-Octacosane (Surr)</i>	91	<b>Qualifier</b>	<b>Limits</b>						60 - 130

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# QC Association Summary

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

Job ID: 380-199897-1  
SDG: Weekly: Aiea Gulch Wells Pumps 2

## GC/MS Semi VOA

### Prep Batch: 210296

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-199897-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Water	525.2	
MB 380-210296/21-A	Method Blank	Total/NA	Water	525.2	
LCS 380-210296/23-A	Lab Control Sample	Total/NA	Water	525.2	
MRL 380-210296/22-A	Lab Control Sample	Total/NA	Water	525.2	
380-199896-F-1-A MS	Matrix Spike	Total/NA	Water	525.2	
380-199916-H-1-A DU	Duplicate	Total/NA	Water	525.2	

### Analysis Batch: 210624

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-199897-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Water	525.2	210296
MB 380-210296/21-A	Method Blank	Total/NA	Water	525.2	210296
LCS 380-210296/23-A	Lab Control Sample	Total/NA	Water	525.2	210296
MRL 380-210296/22-A	Lab Control Sample	Total/NA	Water	525.2	210296
380-199896-F-1-A MS	Matrix Spike	Total/NA	Water	525.2	210296
380-199916-H-1-A DU	Duplicate	Total/NA	Water	525.2	210296

### Prep Batch: 702398

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-199897-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Water	625.1	
MB 570-702398/1-A	Method Blank	Total/NA	Water	625.1	
LCS 570-702398/2-A	Lab Control Sample	Total/NA	Water	625.1	
LCSD 570-702398/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	
380-199926-A-1-A MS	Matrix Spike	Total/NA	Water	625.1	
380-199926-C-1-A MSD	Matrix Spike Duplicate	Total/NA	Water	625.1	

### Analysis Batch: 702938

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-199897-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Water	625.1 SIM	702398
MB 570-702398/1-A	Method Blank	Total/NA	Water	625.1 SIM	702398
LCS 570-702398/2-A	Lab Control Sample	Total/NA	Water	625.1 SIM	702398
LCSD 570-702398/3-A	Lab Control Sample Dup	Total/NA	Water	625.1 SIM	702398
380-199926-A-1-A MS	Matrix Spike	Total/NA	Water	625.1 SIM	702398
380-199926-C-1-A MSD	Matrix Spike Duplicate	Total/NA	Water	625.1 SIM	702398

### Analysis Batch: 702941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-199897-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Water	625.1	702398
MB 570-702398/1-A	Method Blank	Total/NA	Water	625.1	702398

## GC VOA

### Analysis Batch: 705930

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-199897-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Water	8015B GRO LL	
380-199897-2	TB: AIEA GULCH WELLS PUMP 2 (331-202-TPC	Total/NA	Water	8015B GRO LL	
MB 570-705930/5	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-705930/3	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-705930/4	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-705930/6	Lab Control Sample	Total/NA	Water	8015B GRO LL	
380-200889-C-1 MS	Matrix Spike	Total/NA	Water	8015B GRO LL	
380-200889-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B GRO LL	

Eurofins Pomona

# QC Association Summary

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

Job ID: 380-199897-1  
 SDG: Weekly: Aiea Gulch Wells Pumps 2

## GC Semi VOA

### Prep Batch: 702755

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-199897-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Water	3510C	
MB 570-702755/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-702755/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-702755/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MRL 570-702755/4-A	Lab Control Sample	Total/NA	Water	3510C	
380-199926-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	
380-199926-B-1-A MS	Matrix Spike	Total/NA	Water	3510C	

### Analysis Batch: 706124

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-199897-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Water	8015B	702755
MB 570-702755/1-A	Method Blank	Total/NA	Water	8015B	702755
LCS 570-702755/2-A	Lab Control Sample	Total/NA	Water	8015B	702755
LCSD 570-702755/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	702755
MRL 570-702755/4-A	Lab Control Sample	Total/NA	Water	8015B	702755
380-199926-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	8015B	702755
380-199926-B-1-A MS	Matrix Spike	Total/NA	Water	8015B	702755



# Lab Chronicle

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

Job ID: 380-199897-1  
SDG: Weekly: Aiea Gulch Wells Pumps 2

**Client Sample ID: AIEA GULCH WELLS PUMP 2  
(331-202-TP072)**

**Lab Sample ID: 380-199897-1**

**Date Collected: 02/23/26 11:32**

**Matrix: Water**

**Date Received: 02/25/26 09:40**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			210296	IQ42	EA POM	03/03/26 15:16
Total/NA	Analysis	525.2		1	210624	UPAC	EA POM	03/04/26 16:04
Total/NA	Prep	625.1			702398	S4EA	EET CAL 4	02/27/26 17:45
Total/NA	Analysis	625.1		1	702941	PQS1	EET CAL 4	03/02/26 18:44
Total/NA	Prep	625.1			702398	S4EA	EET CAL 4	02/27/26 17:45
Total/NA	Analysis	625.1 SIM		1	702938	PQS1	EET CAL 4	03/02/26 16:33
Total/NA	Analysis	8015B GRO LL		1	705930	YD9V	EET CAL 4	03/07/26 15:35
Total/NA	Prep	3510C			702755	TVD6	EET CAL 4	03/01/26 09:19
Total/NA	Analysis	8015B		1	706124	H6FE	EET CAL 4	03/08/26 17:16

**Client Sample ID: TB: AIEA GULCH WELLS PUMP 2  
(331-202-TP072)**

**Lab Sample ID: 380-199897-2**

**Date Collected: 02/23/26 11:32**

**Matrix: Water**

**Date Received: 02/25/26 09:40**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015B GRO LL		1	705930	YD9V	EET CAL 4	03/07/26 19:37

**Laboratory References:**

EA POM = Eurofins Pomona, 941 Corporate Center Drive, Pomona, CA 91768-2642, TEL (626)386-1100  
EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

# Accreditation/Certification Summary

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

Job ID: 380-199897-1  
SDG: Weekly: Aiea Gulch Wells Pumps 2

## Laboratory: Eurofins Pomona

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

Authority	Program	Identification Number	Expiration Date
Hawaii	State	CA00006	01-31-26 *
<p>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.</p>			
Analysis Method	Prep Method	Matrix	Analyte
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
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	03-02-27
Arizona	State	AZ0830	11-17-26
California	Los Angeles County Sanitation Districts	9257304	07-31-26
California	SCAQMD LAP	17LA0919	11-30-26

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

# Accreditation/Certification Summary

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

Job ID: 380-199897-1  
SDG: Weekly: Aiea Gulch Wells Pumps 2

## Laboratory: Eurofins Calscience (Continued)

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

Authority	Program	Identification Number	Expiration Date
California	State	3082	07-31-26
Kansas	NELAP	E-10420	07-31-26
Nevada	State	CA00111	07-31-26
Oregon	NELAP	4175	02-02-27
USDA	US Federal Programs	525-23-159-97150	06-08-26
Utah	NELAP	CA00111	03-01-27
Washington	State	C916	10-12-26

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# Method Summary

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

Job ID: 380-199897-1  
SDG: Weekly: Aiea Gulch Wells Pumps 2

Method	Method Description	Protocol	Laboratory
525.2	Semivolatile Organic Compounds (GC/MS)	EPA	EA POM
625.1	Semivolatile Organic Compounds (GC/MS)	EPA	EET CAL 4
625.1 SIM	Semivolatile Organic Compounds GC/MS (SIM)	EPA	EET CAL 4
8015B GRO LL	Gasoline Range Organics - (GC)	SW846	EET CAL 4
8015B	Diesel Range Organics (DRO) (GC) Low Level	SW846	EET CAL 4
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET CAL 4
5030C	Purge and Trap	SW846	EET CAL 4
525.2	Extraction of Semivolatile Compounds	EPA	EA POM
625.1	Liquid-Liquid Extraction	40CFR136A	EET CAL 4

#### Protocol References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

#### Laboratory References:

EA POM = Eurofins Pomona, 941 Corporate Center Drive, Pomona, CA 91768-2642, TEL (626)386-1100

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

# Sample Summary

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

Job ID: 380-199897-1  
SDG: Weekly: Aiea Gulch Wells Pumps 2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
380-199897-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Water	02/23/26 11:32	02/25/26 09:40	Hawaii
380-199897-2	TB: AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Water	02/23/26 11:32	02/25/26 09:40	Hawaii

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**Chain of Custody Record**



<b>Client Information</b>		Lab PM: Lopez, Maria		Carrier Tracking No(s):		COC No:	
Company: Mr. Kirk Iwamoto		E-Mail: Maria.Lopez@et.eurofins.com		State of Origin:		Page: Page 1 of 1	
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 - 637.1 Full List		R - NaThioSO4	
State, Zip: HI, 96843		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No		538.2_PREC - (MOD) 626plus Plus TICs		RA - NaThioHCl	
Phone: 808-748-5840 (Tel)		PO #: C20525101 exp 05312023		6015B_DRO_LL_C8 - HNL Ranges: C10-C24/C24-C38/C8-C19		Q - NaZSO3	
Email: kiwamoto@hbws.org		WO #:		6015B_GRO_LL - (MOD) GRO		Y - Trizma	
Project Name: RED-HILL/HBWS Sites Event Desc: RUSH Weekly Red Hill		Project #: 38001111		626.1, 626.1_BIM		I - NH4 Acetate	
Site: Hawaii		SSOW#:		Field Filtered Sample (Yes or No)		Other:	
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)	
Aiea Gulch Wells Pump 2		23-Feb-2026		1132		G	
Aiea Gulch Wells Pump 2 (Matrix Spike)							
Aiea Gulch Wells Pump 2 (Matrix Spike Duplicate)							
TB: Aiea Gulch Wells Pump 2							
Matrix		Preservation Code:		R		QA	
Water		Water		2		Y	
Water		Water		3		2	
Water		Water		2		2	
Water		Water		2		2	
Special Instructions/Note:		380-199897 COC		Total Number of Containers			
Possible Hazard Identification		<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	
Deliverable Requested: I, II, III, IV, Other (specify)		Empty Kit Relinquished by		Special Instructions/QC Requirements:		Method of Shipment: FedEx 8890 3955 5007	
Relinquished by:		Date: 2/20/2026		Received by: Maria Iwamoto		Date/Time: 2/25/26 940	
Relinquished by:		Date: 1/20/2026		Received by:		Date/Time:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: (631A) 1.5-0.2-1.7 961-10260		Company: EFAP	

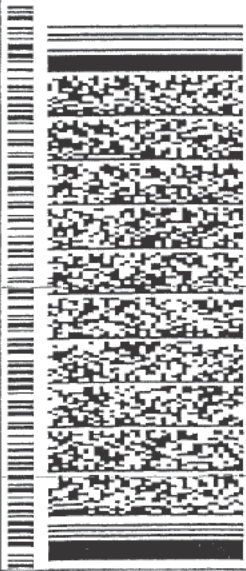


ORIGIN ID:HIKA (808) 748-5640  
BWS CHEMLAB  
HONOLULU BOARD OF WATER SUPPLY  
630 S. BERETANIA ST  
CHEMICAL LABORATORY  
HONOLULU, HI 96843  
UNITED STATES US

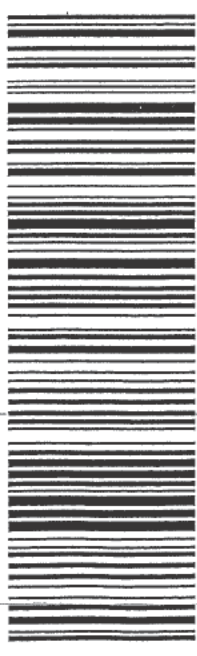
TO EUROFINS RECEIVING DEPARTMENT  
EUROFINS DRINKING WATER TESTING  
941 CORPORATE CENTER DR

POMONA CA 91768  
(626) 386-1100 REF  
INV. PO. DEPT

58KJ5/6067/484B



MPS# 8890 3955 5062  
0263  
Mst# 8890 3955 5007  
WM ONTA  
WED - 25 FEB 10:30A  
PRIORITY OVERNIGHT  
0201  
91768  
CA-US ONT



(631A) 4.6-10.2-4.8 got frozen  
Mark Urcation 2/26/26 950




360-199897 COC

After printing this label  
1 Fold the printed page along the horizontal line  
2 Place label in shipping pouch and affix it to your shipment

- 1
- 2
- 3
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- 6
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- 10
- 11
- 12
- 13
- 14
- 15
- 16

# Chain of Custody Record



<b>Client Information (Sub Contract Lab)</b>		Sampler: N/A	Lab PM: Lopez, Maria	Carrier Tracking No(s): N/A	COC No: 380-308456.1																																																																													
Client Contact: Shipping/Receiving		Phone: N/A	E-Mail: Maria.Lopez@et.eurofins.com	State of Origin: Hawaii	Page: Page 1 of 1																																																																													
Company: Eurofins Environment Testing Southwest L			Accreditations Required (See note): State - Hawaii		Job #: 380-199897-1																																																																													
Address: 2841 Dow Avenue, Suite 100, City: Tustin State, Zip: CA, 92780		Due Date Requested: 3/10/2026	<b>Analysis Requested</b>			Preservation Codes: -																																																																												
City: Tustin		TAT Requested (days): N/A																																																																																
State, Zip: CA, 92780		PO #: N/A	<table border="1"> <tr> <td>Field Filled Sample (Yes or No)</td> <td>Perform MS/MSD (Yes or No)</td> <td>625.1_SiM625_Prep(MOD) Extended PAH List</td> <td>8015B_DRO_LL_CS/3590C_LLHML Range: C10-C24/C24-C36/C8-C18</td> <td>8015B_GRO_LL/5030C(MOD) GRO</td> <td rowspan="2">Total Number of containers</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>			Field Filled Sample (Yes or No)	Perform MS/MSD (Yes or No)	625.1_SiM625_Prep(MOD) Extended PAH List	8015B_DRO_LL_CS/3590C_LLHML Range: C10-C24/C24-C36/C8-C18	8015B_GRO_LL/5030C(MOD) GRO	Total Number of containers						Other: N/A																																																																	
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Phone: 714-895-5494(Tel)		WO #: N/A	<table border="1"> <tr> <th>Sample Identification - Client ID (Lab ID)</th> <th>Sample Date</th> <th>Sample Time</th> <th>Sample Type (C=Comp, G=grab)</th> <th>Matrix (W=water, S=solid, O=wastewat, BT=Tissue, A=Air)</th> <th>Preservation Code:</th> <th>Special Instructions/Note:</th> </tr> <tr> <td>AIEA GULCH WELLS PUMP 2 (331-202-TP072) (380-199897-1)</td> <td>2/23/26</td> <td>11:32 Hawaiian</td> <td>G</td> <td>Water</td> <td></td> <td>7 MRLs are needed. Confirm any hits &gt;RL.</td> </tr> <tr> <td>TB: AIEA GULCH WELLS PUMP 2 (331-202-TP072) (380-199897)</td> <td>2/23/26</td> <td>11:32 Hawaiian</td> <td>G</td> <td>Water</td> <td></td> <td>2 MRLs are needed. Confirm any hits &gt;RL.</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table>			Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wastewat, BT=Tissue, A=Air)	Preservation Code:	Special Instructions/Note:	AIEA GULCH WELLS PUMP 2 (331-202-TP072) (380-199897-1)	2/23/26	11:32 Hawaiian	G	Water		7 MRLs are needed. Confirm any hits >RL.	TB: AIEA GULCH WELLS PUMP 2 (331-202-TP072) (380-199897)	2/23/26	11:32 Hawaiian	G	Water		2 MRLs are needed. Confirm any hits >RL.																																																								
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Email: N/A		Project #: 38001111	 380-199897 Chain of Custody																																																																															
Project Name: RED-HILL		SSOW#: N/A																																																																																
Site: Honolulu BWS Sites		<p>Note: Since laboratory accreditations are subject to change, Eurofins Drinking Water and Wastewater West, LLC places the ownership of method, analyte &amp; accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Drinking Water and Wastewater West, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Drinking Water and Wastewater West, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Drinking Water and Wastewater West, LLC.</p>																																																																																
<b>Possible Hazard Identification</b>			<b>Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)</b>																																																																															
Unconfirmed			<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months																																																																															
Deliverable Requested: I, II, III, IV, Other (specify)		Primary Deliverable Rank: 2	Special Instructions/QC Requirements:																																																																															
Empty Kit Relinquished by:		Date:	Time:	Method of Shipment:																																																																														
Relinquished by: <i>Maria Lopez</i>		Date/Time: 2/25/26 1600	Company: <i>EEAP</i>	Received by: <i>LT</i>	Date/Time: 2-25-26 1552	Company: <i>WP</i>																																																																												
Relinquished by: <i>-</i>		Date/Time: 2-25-26 1704	Company: <i>WP</i>	Received by: <i>WP</i>	Date/Time: 2/25/26 17:04	Company: <i>EC</i>																																																																												
Relinquished by:		Date/Time:	Company:	Received by:	Date/Time:	Company:																																																																												
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2-3/2.4 IR-5																																																																																



## Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-199897-1  
SDG Number: Weekly: Aiea Gulch Wells Pumps 2

**Login Number: 199897**  
**List Number: 1**  
**Creator: Segura, Ryan**

**List Source: Eurofins Pomona**

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: 380-199897-1  
SDG Number: Weekly: Aiea Gulch Wells Pumps 2

**Login Number: 199897**

**List Number: 2**

**Creator: Khana, Piyush**

**List Source: Eurofins Calscience**

**List Creation: 02/25/26 07:41 PM**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (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: 380-199897-1  
SDG Number: Weekly: Aiea Gulch Wells Pumps 2

**Login Number: 199897**

**List Number: 3**

**Creator: Khana, Piyush**

**List Source: Eurofins Calscience**

**List Creation: 02/26/26 11:24 AM**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.7
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 <math><6\text{mm}</math> (1/4").	True	fgf5
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	