

# 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 1/2/2026 2:36:04 PM

## JOB DESCRIPTION

RED-HILL  
Weekly: Aiea Gulch Wells Pump 1/Pump 2  
RUSH Weekly Red Hill

## JOB NUMBER

380-187009-1

# 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



Authorized for release by  
Maria Lopez, Project Manager  
[Maria.Lopez@et.eurofinsus.com](mailto:Maria.Lopez@et.eurofinsus.com)  
(626)386-1100

Generated  
1/2/2026 2:36:04 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 . . . . .	14
Surrogate Summary . . . . .	15
QC Sample Results . . . . .	18
QC Association Summary . . . . .	34
Lab Chronicle . . . . .	36
Certification Summary . . . . .	37
Method Summary . . . . .	39
Sample Summary . . . . .	40
Chain of Custody . . . . .	41
Receipt Checklists . . . . .	44

# Definitions/Glossary

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

Job ID: 380-187009-1  
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

## Qualifiers

### GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.

### GC/MS Semi VOA TICs

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

### GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD 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.

## 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: 380-187009-1

**Job ID: 380-187009-1**

**Eurofins Pomona**

## Job Narrative 380-187009-1

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 12/10/2025 9:42 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.7°C and 2.7°C.

### GC/MS Semi VOA

Method 625.1: The surrogate recovery for the blank associated with preparation batch 570-668516 and analytical batch 570-676240 was outside the control limits. Method Blank (MB) results were ND but MB's average surrogate recoveries of 6 surrogates were about 2x lower than the acceptance limits of the surrogates. Low biased MB will not have impact on AIEA GULCH WELLS PUMP 1 (380-187009-1) and AIEA GULCH WELLS PUMP 2 (380-187009-2) samples since all target analytes by 625.1 were Non detect in the sample. (XWB4)

Method 625.1\_SIM: The surrogate recovery for the blank associated with preparation batch 570-668516 and analytical batch 570-673714 was outside control limits. Method Blank (MB) results were ND but MB's average surrogate recoveries of 6 surrogates were about 2x lower than the acceptance limits of the surrogates. Low biased MB will not have impact on AIEA GULCH WELLS PUMP 1 (380-187009-1) and AIEA GULCH WELLS PUMP 2 (380-187009-2) samples since all target analytes by 625.1 were Non detect in the sample. (XWB4)

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

### Gasoline Range Organics

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

### Diesel Range Organics

Method 8015B\_DRO\_LL\_CS: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 570-669844 and analytical batch 570-674105 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Eurofins Pomona

# Detection Summary

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

Job ID: 380-187009-1  
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

**Client Sample ID: AIEA GULCH WELLS PUMP 1  
(331-201-TP071)**  
PWSID Number: HI0000331

**Lab Sample ID: 380-187009-1**

No Detections.

**Client Sample ID: AIEA GULCH WELLS PUMP 2  
(331-202-TP072)**  
PWSID Number: HI0000331

**Lab Sample ID: 380-187009-2**

No Detections.

**Client Sample ID: TB: AIEA GULCH WELLS PUMP 1**

**Lab Sample ID: 380-187009-3**

No Detections.

**Client Sample ID: TB: AIEA GULCH WELLS PUMP 2**

**Lab Sample ID: 380-187009-4**

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Pomona



# Client Sample Results

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

Job ID: 380-187009-1  
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

**Client Sample ID: AIEA GULCH WELLS PUMP 1  
(331-201-TP071)**

**Lab Sample ID: 380-187009-1**

Date Collected: 12/08/25 10:43

Matrix: Drinking Water

Date Received: 12/10/25 09:42

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		12/11/25 08:04	12/14/25 14:41	1
2,4'-DDD	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 14:41	1
2,4'-DDE	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 14:41	1
2,4'-DDT	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 14:41	1
2,4-Dinitrotoluene	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 14:41	1
2,6-Dinitrotoluene	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 14:41	1
2-Methylnaphthalene	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 14:41	1
4,4'-DDD	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 14:41	1
4,4'-DDE	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 14:41	1
4,4'-DDT	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 14:41	1
Acenaphthene	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 14:41	1
Acenaphthylene	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 14:41	1
Acetochlor	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 14:41	1
Alachlor	<0.049		0.049	ug/L		12/11/25 08:04	12/14/25 14:41	1
alpha-BHC	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 14:41	1
alpha-Chlordane	<0.049		0.049	ug/L		12/11/25 08:04	12/14/25 14:41	1
Anthracene	<0.020		0.020	ug/L		12/11/25 08:04	12/14/25 14:41	1
Atrazine	<0.049		0.049	ug/L		12/11/25 08:04	12/14/25 14:41	1
Benz(a)anthracene	<0.049		0.049	ug/L		12/11/25 08:04	12/14/25 14:41	1
Benzo[a]pyrene	<0.020		0.020	ug/L		12/11/25 08:04	12/14/25 14:41	1
Benzo[b]fluoranthene	<0.020		0.020	ug/L		12/11/25 08:04	12/14/25 14:41	1
Benzo[g,h,i]perylene	<0.049		0.049	ug/L		12/11/25 08:04	12/14/25 14:41	1
Benzo[k]fluoranthene	<0.020		0.020	ug/L		12/11/25 08:04	12/14/25 14:41	1
beta-BHC	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 14:41	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59	ug/L		12/11/25 08:04	12/14/25 14:41	1
Bromacil	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 14:41	1
Butachlor	<0.049		0.049	ug/L		12/11/25 08:04	12/14/25 14:41	1
Butylbenzylphthalate	<0.49		0.49	ug/L		12/11/25 08:04	12/14/25 14:41	1
Chlorobenzilate	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 14:41	1
Chloroneb	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 14:41	1
Chlorothalonil (Draconil, Bravo)	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 14:41	1
Chlorpyrifos	<0.049		0.049	ug/L		12/11/25 08:04	12/14/25 14:41	1
Chrysene	<0.020		0.020	ug/L		12/11/25 08:04	12/14/25 14:41	1
delta-BHC	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 14:41	1
Di(2-ethylhexyl)adipate	<0.59		0.59	ug/L		12/11/25 08:04	12/14/25 14:41	1
Dibenz(a,h)anthracene	<0.049		0.049	ug/L		12/11/25 08:04	12/14/25 14:41	1
Diclorvos (DDVP)	<0.049		0.049	ug/L		12/11/25 08:04	12/14/25 14:41	1
Dieldrin	<0.0098		0.0098	ug/L		12/11/25 08:04	12/14/25 14:41	1
Diethylphthalate	<0.49		0.49	ug/L		12/11/25 08:04	12/14/25 14:41	1
Dimethylphthalate	<0.49		0.49	ug/L		12/11/25 08:04	12/14/25 14:41	1
Di-n-butyl phthalate	<0.98		0.98	ug/L		12/11/25 08:04	12/14/25 14:41	1
Di-n-octyl phthalate	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 14:41	1
Endosulfan I (Alpha)	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 14:41	1
Endosulfan II (Beta)	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 14:41	1
Endosulfan sulfate	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 14:41	1
Endrin	<0.0098		0.0098	ug/L		12/11/25 08:04	12/14/25 14:41	1
Endrin aldehyde	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 14:41	1
EPTC	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 14:41	1

Eurofins Pomona

# Client Sample Results

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

Job ID: 380-187009-1  
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

**Client Sample ID: AIEA GULCH WELLS PUMP 1  
(331-201-TP071)**

**Lab Sample ID: 380-187009-1**

**Date Collected: 12/08/25 10:43**

**Matrix: Drinking Water**

**Date Received: 12/10/25 09:42**

**PWSID Number: HI0000331**

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 14:41	1
Fluorene	<0.049		0.049	ug/L		12/11/25 08:04	12/14/25 14:41	1
gamma-Chlordane	<0.049		0.049	ug/L		12/11/25 08:04	12/14/25 14:41	1
Heptachlor	<0.0098		0.0098	ug/L		12/11/25 08:04	12/14/25 14:41	1
Heptachlor epoxide (isomer B)	<0.0098		0.0098	ug/L		12/11/25 08:04	12/14/25 14:41	1
Hexachlorobenzene	<0.049		0.049	ug/L		12/11/25 08:04	12/14/25 14:41	1
Hexachlorocyclopentadiene	<0.049		0.049	ug/L		12/11/25 08:04	12/14/25 14:41	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049	ug/L		12/11/25 08:04	12/14/25 14:41	1
Isophorone	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 14:41	1
Lindane	<0.0098		0.0098	ug/L		12/11/25 08:04	12/14/25 14:41	1
Malathion	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 14:41	1
Methoxychlor	<0.049		0.049	ug/L		12/11/25 08:04	12/14/25 14:41	1
Metolachlor	<0.049		0.049	ug/L		12/11/25 08:04	12/14/25 14:41	1
Molinate	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 14:41	1
Naphthalene	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 14:41	1
Parathion	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 14:41	1
Pendimethalin (Penoxaline)	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 14:41	1
Phenanthrene	<0.039		0.039	ug/L		12/11/25 08:04	12/14/25 14:41	1
Propachlor	<0.049		0.049	ug/L		12/11/25 08:04	12/14/25 14:41	1
Pyrene	<0.049		0.049	ug/L		12/11/25 08:04	12/14/25 14:41	1
Simazine	<0.049		0.049	ug/L		12/11/25 08:04	12/14/25 14:41	1
Terbacil	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 14:41	1
Terbutylazine	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 14:41	1
Thiobencarb	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 14:41	1
Total Permethrin (mixed isomers)	<0.20		0.20	ug/L		12/11/25 08:04	12/14/25 14:41	1
trans-Nonachlor	<0.049		0.049	ug/L		12/11/25 08:04	12/14/25 14:41	1
Trifluralin	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 14:41	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A	12/11/25 08:04	12/14/25 14:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	91		70 - 130	12/11/25 08:04	12/14/25 14:41	1
Perylene-d12	89		70 - 130	12/11/25 08:04	12/14/25 14:41	1
Triphenylphosphate	124		70 - 130	12/11/25 08:04	12/14/25 14:41	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		12/11/25 12:16	12/26/25 10:40	1
2-Methylnaphthalene	<0.19		0.19	ug/L		12/11/25 12:16	12/26/25 10:40	1
Acenaphthene	<0.19		0.19	ug/L		12/11/25 12:16	12/26/25 10:40	1
Acenaphthylene	<0.19		0.19	ug/L		12/11/25 12:16	12/26/25 10:40	1
Anthracene	<0.19		0.19	ug/L		12/11/25 12:16	12/26/25 10:40	1
Benzo[a]anthracene	<0.19		0.19	ug/L		12/11/25 12:16	12/26/25 10:40	1
Benzo[a]pyrene	<0.19		0.19	ug/L		12/11/25 12:16	12/26/25 10:40	1
Benzo[b]fluoranthene	<0.19		0.19	ug/L		12/11/25 12:16	12/26/25 10:40	1
Benzo[g,h,i]perylene	<0.19		0.19	ug/L		12/11/25 12:16	12/26/25 10:40	1
Benzo[k]fluoranthene	<0.19		0.19	ug/L		12/11/25 12:16	12/26/25 10:40	1
Chrysene	<0.19		0.19	ug/L		12/11/25 12:16	12/26/25 10:40	1

Eurofins Pomona

# Client Sample Results

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

Job ID: 380-187009-1  
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

**Client Sample ID: AIEA GULCH WELLS PUMP 1  
(331-201-TP071)**

**Lab Sample ID: 380-187009-1**

**Date Collected: 12/08/25 10:43**

**Matrix: Drinking Water**

**Date Received: 12/10/25 09:42**

**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
Dibenz(a,h)anthracene	<0.19		0.19	ug/L		12/11/25 12:16	12/26/25 10:40	1
Fluoranthene	<0.19		0.19	ug/L		12/11/25 12:16	12/26/25 10:40	1
Fluorene	<0.19		0.19	ug/L		12/11/25 12:16	12/26/25 10:40	1
Indeno[1,2,3-cd]pyrene	<0.19		0.19	ug/L		12/11/25 12:16	12/26/25 10:40	1
Naphthalene	<0.19		0.19	ug/L		12/11/25 12:16	12/26/25 10:40	1
Phenanthrene	<0.19		0.19	ug/L		12/11/25 12:16	12/26/25 10:40	1
Pyrene	<0.19		0.19	ug/L		12/11/25 12:16	12/26/25 10:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	92		28 - 127	12/11/25 12:16	12/26/25 10:40	1
2-Fluorobiphenyl (Surr)	86		31 - 120	12/11/25 12:16	12/26/25 10:40	1
2-Fluorophenol (Surr)	56		17 - 120	12/11/25 12:16	12/26/25 10:40	1
Nitrobenzene-d5 (Surr)	88		27 - 120	12/11/25 12:16	12/26/25 10:40	1
Phenol-d6 (Surr)	35		10 - 120	12/11/25 12:16	12/26/25 10:40	1
p-Terphenyl-d14 (Surr)	77		45 - 120	12/11/25 12:16	12/26/25 10:40	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	12/11/25 12:16	12/29/25 13:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	81		33 - 139	12/11/25 12:16	12/29/25 13:38	1
2-Fluorobiphenyl (Surr)	82		33 - 126	12/11/25 12:16	12/29/25 13:38	1
2-Fluorophenol (Surr)	64		12 - 120	12/11/25 12:16	12/29/25 13:38	1
Nitrobenzene-d5 (Surr)	102		36 - 120	12/11/25 12:16	12/29/25 13:38	1
Phenol-d6 (Surr)	34		10 - 120	12/11/25 12:16	12/29/25 13:38	1
p-Terphenyl-d14 (Surr)	80		47 - 131	12/11/25 12:16	12/29/25 13:38	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			12/20/25 14:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		38 - 134		12/20/25 14:49	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		12/14/25 10:45	12/22/25 17:43	1
Motor Oil Range Organics [C24-C36]	<26		26	ug/L		12/14/25 10:45	12/22/25 17:43	1
C8-C18	<26		26	ug/L		12/14/25 10:45	12/22/25 17:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	103		60 - 130	12/14/25 10:45	12/22/25 17:43	1

# Client Sample Results

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

Job ID: 380-187009-1  
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

**Lab Sample ID: 380-187009-2**

**Date Collected: 12/08/25 11:05**

**Matrix: Drinking Water**

**Date Received: 12/10/25 09:42**

**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		12/11/25 08:04	12/14/25 15:01	1
2,4'-DDD	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 15:01	1
2,4'-DDE	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 15:01	1
2,4'-DDT	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 15:01	1
2,4-Dinitrotoluene	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 15:01	1
2,6-Dinitrotoluene	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 15:01	1
2-Methylnaphthalene	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 15:01	1
4,4'-DDD	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 15:01	1
4,4'-DDE	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 15:01	1
4,4'-DDT	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 15:01	1
Acenaphthene	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 15:01	1
Acenaphthylene	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 15:01	1
Acetochlor	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 15:01	1
Alachlor	<0.049		0.049	ug/L		12/11/25 08:04	12/14/25 15:01	1
alpha-BHC	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 15:01	1
alpha-Chlordane	<0.049		0.049	ug/L		12/11/25 08:04	12/14/25 15:01	1
Anthracene	<0.020		0.020	ug/L		12/11/25 08:04	12/14/25 15:01	1
Atrazine	<0.049		0.049	ug/L		12/11/25 08:04	12/14/25 15:01	1
Benz(a)anthracene	<0.049		0.049	ug/L		12/11/25 08:04	12/14/25 15:01	1
Benzo[a]pyrene	<0.020		0.020	ug/L		12/11/25 08:04	12/14/25 15:01	1
Benzo[b]fluoranthene	<0.020		0.020	ug/L		12/11/25 08:04	12/14/25 15:01	1
Benzo[g,h,i]perylene	<0.049		0.049	ug/L		12/11/25 08:04	12/14/25 15:01	1
Benzo[k]fluoranthene	<0.020		0.020	ug/L		12/11/25 08:04	12/14/25 15:01	1
beta-BHC	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 15:01	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59	ug/L		12/11/25 08:04	12/14/25 15:01	1
Bromacil	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 15:01	1
Butachlor	<0.049		0.049	ug/L		12/11/25 08:04	12/14/25 15:01	1
Butylbenzylphthalate	<0.49		0.49	ug/L		12/11/25 08:04	12/14/25 15:01	1
Chlorobenzilate	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 15:01	1
Chloroneb	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 15:01	1
Chlorothalonil (Draconil, Bravo)	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 15:01	1
Chlorpyrifos	<0.049		0.049	ug/L		12/11/25 08:04	12/14/25 15:01	1
Chrysene	<0.020		0.020	ug/L		12/11/25 08:04	12/14/25 15:01	1
delta-BHC	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 15:01	1
Di(2-ethylhexyl)adipate	<0.59		0.59	ug/L		12/11/25 08:04	12/14/25 15:01	1
Dibenz(a,h)anthracene	<0.049		0.049	ug/L		12/11/25 08:04	12/14/25 15:01	1
Diclorvos (DDVP)	<0.049		0.049	ug/L		12/11/25 08:04	12/14/25 15:01	1
Dieldrin	<0.0098		0.0098	ug/L		12/11/25 08:04	12/14/25 15:01	1
Diethylphthalate	<0.49		0.49	ug/L		12/11/25 08:04	12/14/25 15:01	1
Dimethylphthalate	<0.49		0.49	ug/L		12/11/25 08:04	12/14/25 15:01	1
Di-n-butyl phthalate	<0.98		0.98	ug/L		12/11/25 08:04	12/14/25 15:01	1
Di-n-octyl phthalate	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 15:01	1
Endosulfan I (Alpha)	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 15:01	1
Endosulfan II (Beta)	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 15:01	1
Endosulfan sulfate	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 15:01	1
Endrin	<0.0098		0.0098	ug/L		12/11/25 08:04	12/14/25 15:01	1
Endrin aldehyde	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 15:01	1
EPTC	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 15:01	1

Eurofins Pomona

# Client Sample Results

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

Job ID: 380-187009-1  
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

**Lab Sample ID: 380-187009-2**

**Date Collected: 12/08/25 11:05**

**Matrix: Drinking Water**

**Date Received: 12/10/25 09:42**

**PWSID Number: HI0000331**

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 15:01	1
Fluorene	<0.049		0.049	ug/L		12/11/25 08:04	12/14/25 15:01	1
gamma-Chlordane	<0.049		0.049	ug/L		12/11/25 08:04	12/14/25 15:01	1
Heptachlor	<0.0098		0.0098	ug/L		12/11/25 08:04	12/14/25 15:01	1
Heptachlor epoxide (isomer B)	<0.0098		0.0098	ug/L		12/11/25 08:04	12/14/25 15:01	1
Hexachlorobenzene	<0.049		0.049	ug/L		12/11/25 08:04	12/14/25 15:01	1
Hexachlorocyclopentadiene	<0.049		0.049	ug/L		12/11/25 08:04	12/14/25 15:01	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049	ug/L		12/11/25 08:04	12/14/25 15:01	1
Isophorone	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 15:01	1
Lindane	<0.0098		0.0098	ug/L		12/11/25 08:04	12/14/25 15:01	1
Malathion	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 15:01	1
Methoxychlor	<0.049		0.049	ug/L		12/11/25 08:04	12/14/25 15:01	1
Metolachlor	<0.049		0.049	ug/L		12/11/25 08:04	12/14/25 15:01	1
Molinate	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 15:01	1
Naphthalene	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 15:01	1
Parathion	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 15:01	1
Pendimethalin (Penoxaline)	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 15:01	1
Phenanthrene	<0.039		0.039	ug/L		12/11/25 08:04	12/14/25 15:01	1
Propachlor	<0.049		0.049	ug/L		12/11/25 08:04	12/14/25 15:01	1
Pyrene	<0.049		0.049	ug/L		12/11/25 08:04	12/14/25 15:01	1
Simazine	<0.049		0.049	ug/L		12/11/25 08:04	12/14/25 15:01	1
Terbacil	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 15:01	1
Terbutylazine	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 15:01	1
Thiobencarb	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 15:01	1
Total Permethrin (mixed isomers)	<0.20		0.20	ug/L		12/11/25 08:04	12/14/25 15:01	1
trans-Nonachlor	<0.049		0.049	ug/L		12/11/25 08:04	12/14/25 15:01	1
Trifluralin	<0.098		0.098	ug/L		12/11/25 08:04	12/14/25 15:01	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	0.89	T J	ug/L		3.87	N/A	12/11/25 08:04	12/14/25 15:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	94		70 - 130	12/11/25 08:04	12/14/25 15:01	1
Perylene-d12	93		70 - 130	12/11/25 08:04	12/14/25 15:01	1
Triphenylphosphate	126		70 - 130	12/11/25 08:04	12/14/25 15:01	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		12/11/25 12:16	12/26/25 11:02	1
2-Methylnaphthalene	<0.19		0.19	ug/L		12/11/25 12:16	12/26/25 11:02	1
Acenaphthene	<0.19		0.19	ug/L		12/11/25 12:16	12/26/25 11:02	1
Acenaphthylene	<0.19		0.19	ug/L		12/11/25 12:16	12/26/25 11:02	1
Anthracene	<0.19		0.19	ug/L		12/11/25 12:16	12/26/25 11:02	1
Benzo[a]anthracene	<0.19		0.19	ug/L		12/11/25 12:16	12/26/25 11:02	1
Benzo[a]pyrene	<0.19		0.19	ug/L		12/11/25 12:16	12/26/25 11:02	1
Benzo[b]fluoranthene	<0.19		0.19	ug/L		12/11/25 12:16	12/26/25 11:02	1
Benzo[g,h,i]perylene	<0.19		0.19	ug/L		12/11/25 12:16	12/26/25 11:02	1
Benzo[k]fluoranthene	<0.19		0.19	ug/L		12/11/25 12:16	12/26/25 11:02	1
Chrysene	<0.19		0.19	ug/L		12/11/25 12:16	12/26/25 11:02	1

Eurofins Pomona

# Client Sample Results

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

Job ID: 380-187009-1  
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

**Lab Sample ID: 380-187009-2**

**Date Collected: 12/08/25 11:05  
Date Received: 12/10/25 09:42**

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

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	<0.19		0.19	ug/L		12/11/25 12:16	12/26/25 11:02	1
Fluoranthene	<0.19		0.19	ug/L		12/11/25 12:16	12/26/25 11:02	1
Fluorene	<0.19		0.19	ug/L		12/11/25 12:16	12/26/25 11:02	1
Indeno[1,2,3-cd]pyrene	<0.19		0.19	ug/L		12/11/25 12:16	12/26/25 11:02	1
Naphthalene	<0.19		0.19	ug/L		12/11/25 12:16	12/26/25 11:02	1
Phenanthrene	<0.19		0.19	ug/L		12/11/25 12:16	12/26/25 11:02	1
Pyrene	<0.19		0.19	ug/L		12/11/25 12:16	12/26/25 11:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	98		28 - 127			12/11/25 12:16	12/26/25 11:02	1
2-Fluorobiphenyl (Surr)	92		31 - 120			12/11/25 12:16	12/26/25 11:02	1
2-Fluorophenol (Surr)	58		17 - 120			12/11/25 12:16	12/26/25 11:02	1
Nitrobenzene-d5 (Surr)	92		27 - 120			12/11/25 12:16	12/26/25 11:02	1
Phenol-d6 (Surr)	35		10 - 120			12/11/25 12:16	12/26/25 11:02	1
p-Terphenyl-d14 (Surr)	82		45 - 120			12/11/25 12:16	12/26/25 11:02	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	12/11/25 12:16	12/29/25 14:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	88		33 - 139				12/11/25 12:16	12/29/25 14:01	1
2-Fluorobiphenyl (Surr)	92		33 - 126				12/11/25 12:16	12/29/25 14:01	1
2-Fluorophenol (Surr)	66		12 - 120				12/11/25 12:16	12/29/25 14:01	1
Nitrobenzene-d5 (Surr)	106		36 - 120				12/11/25 12:16	12/29/25 14:01	1
Phenol-d6 (Surr)	36		10 - 120				12/11/25 12:16	12/29/25 14:01	1
p-Terphenyl-d14 (Surr)	87		47 - 131				12/11/25 12:16	12/29/25 14:01	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10	ug/L			12/20/25 15:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		38 - 134				12/20/25 15:11	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		12/14/25 10:45	12/22/25 18:05	1
Motor Oil Range Organics [C24-C36]	<26		26	ug/L		12/14/25 10:45	12/22/25 18:05	1
C8-C18	<26		26	ug/L		12/14/25 10:45	12/22/25 18:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	101		60 - 130			12/14/25 10:45	12/22/25 18:05	1

# Client Sample Results

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

Job ID: 380-187009-1  
 SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

## Client Sample ID: TB: AIEA GULCH WELLS PUMP 1

## Lab Sample ID: 380-187009-3

Date Collected: 12/08/25 10:43

Matrix: Water

Date Received: 12/10/25 09:42

### 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	-		12/20/25 19:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		38 - 134				12/20/25 19:13	1

## Client Sample ID: TB: AIEA GULCH WELLS PUMP 2

## Lab Sample ID: 380-187009-4

Date Collected: 12/08/25 11:05

Matrix: Water

Date Received: 12/10/25 09:42

### 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	-		12/20/25 19:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		38 - 134				12/20/25 19:35	1

# Action Limit Summary

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

Job ID: 380-187009-1  
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

**Client Sample ID: AIEA GULCH WELLS PUMP 1**  
**(331-201-TP071)**  
**PWSID Number: HI0000331**

**Lab Sample ID: 380-187009-1**

## 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	<0.0098		ug/L	2	0.0098	525.2	Total/NA
Heptachlor	<0.0098		ug/L	0.4	0.0098	525.2	Total/NA
Heptachlor epoxide (isomer B)	<0.0098		ug/L	0.2	0.0098	525.2	Total/NA
Hexachlorobenzene	<0.049		ug/L	1	0.049	525.2	Total/NA
Hexachlorocyclopentadiene	<0.049		ug/L	50	0.049	525.2	Total/NA
Lindane	<0.0098		ug/L	0.2	0.0098	525.2	Total/NA
Methoxychlor	<0.049		ug/L	40	0.049	525.2	Total/NA
Simazine	<0.049		ug/L	4	0.049	525.2	Total/NA
Benzo[a]pyrene	<0.19		ug/L	0.2	0.19	625.1 SIM	Total/NA

**Client Sample ID: AIEA GULCH WELLS PUMP 2**  
**(331-202-TP072)**  
**PWSID Number: HI0000331**

**Lab Sample ID: 380-187009-2**

## Compliance Check

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

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

# Surrogate Summary

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

Job ID: 380-187009-1  
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

## 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)
380-187009-1	AIEA GULCH WELLS PUMP 1 (	91	89	124
380-187009-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	94	93	126

**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)
380-187018-I-1-A MS	Matrix Spike	95	95	113
380-187062-Q-1-B DU	Duplicate	98	83	133 S1+
LCS 380-191694/23-A	Lab Control Sample	99	94	126
MB 380-191694/21-A	Method Blank	100	90	116
MRL 380-191694/22-A	Lab Control Sample	98	82	124

**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)
380-187009-1	AIEA GULCH WELLS PUMP 1 (	81	82	64	102	34	80
380-187009-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	88	92	66	106	36	87

**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 570-668516/1-A	Method Blank	12 S1-	12 S1-	14	19 S1-	8 S1-	19 S1-

**Surrogate Legend**

# Surrogate Summary

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

Job ID: 380-187009-1  
 SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

### Percent Surrogate Recovery (Acceptance Limits)

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)
380-187009-1	AIEA GULCH WELLS PUMP 1 (	92	86	56	88	35	77
380-187009-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	98	92	58	92	35	82

### 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

### Percent Surrogate Recovery (Acceptance Limits)

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)
380-187025-A-1-B MS	Matrix Spike	82	84	59	69	39	85
380-187025-A-1-C MSD	Matrix Spike Duplicate	88	88	62	75	41	88
LCS 570-668516/2-A	Lab Control Sample	86	86	66	73	44	88
LCSD 570-668516/3-A	Lab Control Sample Dup	82	83	60	70	39	83
MB 570-668516/1-A	Method Blank	19 S1-	14 S1-	11 S1-	15 S1-	8 S1-	20 S1-

### 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

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB1 (38-134)
		380-187009-1
380-187009-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	83

### Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

# Surrogate Summary

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

Job ID: 380-187009-1  
 SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 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)
380-187009-3	TB: AIEA GULCH WELLS PUMF	87
380-187009-4	TB: AIEA GULCH WELLS PUMF 2	87
380-187025-C-1 MS	Matrix Spike	80
380-187025-C-1 MSD	Matrix Spike Duplicate	85
LCS 570-673280/4	Lab Control Sample	84
LCSD 570 673280/5	Lab Control Sample Dup	91
MB 570-673280/6	Method Blank	88
MRL 570-673280/3	Lab Control Sample	80

**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)
380-187009-1	AIEA GULCH WELLS PUMP 1 (	103
380-187009-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	101

**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)
380-187025-B-1-A MS	Matrix Spike	106
380-187025-B-1-B MSD	Matrix Spike Duplicate	115
LCS 570-669844/2-A	Lab Control Sample	102
LCSD 570-669844/3-A	Lab Control Sample Dup	91
MB 570-669844/1-A	Method Blank	108
MRL 570-669844/4-A	Lab Control Sample	86

**Surrogate Legend**

OTCSN = n-Octacosane (Surr)

# QC Sample Results

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

Job ID: 380-187009-1  
 SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

**Lab Sample ID: MB 380-191694/21-A**  
**Matrix: Water**  
**Analysis Batch: 192250**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 191694**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.099		0.099	ug/L		12/11/25 08:04	12/14/25 08:54	1
2,4'-DDD	<0.099		0.099	ug/L		12/11/25 08:04	12/14/25 08:54	1
2,4'-DDE	<0.099		0.099	ug/L		12/11/25 08:04	12/14/25 08:54	1
2,4'-DDT	<0.099		0.099	ug/L		12/11/25 08:04	12/14/25 08:54	1
2,4-Dinitrotoluene	<0.099		0.099	ug/L		12/11/25 08:04	12/14/25 08:54	1
2,6-Dinitrotoluene	<0.099		0.099	ug/L		12/11/25 08:04	12/14/25 08:54	1
2-Methylnaphthalene	<0.099		0.099	ug/L		12/11/25 08:04	12/14/25 08:54	1
4,4'-DDD	<0.099		0.099	ug/L		12/11/25 08:04	12/14/25 08:54	1
4,4'-DDE	<0.099		0.099	ug/L		12/11/25 08:04	12/14/25 08:54	1
4,4'-DDT	<0.099		0.099	ug/L		12/11/25 08:04	12/14/25 08:54	1
Acenaphthene	<0.099		0.099	ug/L		12/11/25 08:04	12/14/25 08:54	1
Acenaphthylene	<0.099		0.099	ug/L		12/11/25 08:04	12/14/25 08:54	1
Acetochlor	<0.099		0.099	ug/L		12/11/25 08:04	12/14/25 08:54	1
Alachlor	<0.050		0.050	ug/L		12/11/25 08:04	12/14/25 08:54	1
alpha-BHC	<0.099		0.099	ug/L		12/11/25 08:04	12/14/25 08:54	1
alpha-Chlordane	<0.050		0.050	ug/L		12/11/25 08:04	12/14/25 08:54	1
Anthracene	<0.020		0.020	ug/L		12/11/25 08:04	12/14/25 08:54	1
Atrazine	<0.050		0.050	ug/L		12/11/25 08:04	12/14/25 08:54	1
Benz(a)anthracene	<0.050		0.050	ug/L		12/11/25 08:04	12/14/25 08:54	1
Benzo[a]pyrene	<0.020		0.020	ug/L		12/11/25 08:04	12/14/25 08:54	1
Benzo[b]fluoranthene	<0.020		0.020	ug/L		12/11/25 08:04	12/14/25 08:54	1
Benzo[g,h,i]perylene	<0.050		0.050	ug/L		12/11/25 08:04	12/14/25 08:54	1
Benzo[k]fluoranthene	<0.020		0.020	ug/L		12/11/25 08:04	12/14/25 08:54	1
beta-BHC	<0.099		0.099	ug/L		12/11/25 08:04	12/14/25 08:54	1
Bis(2-ethylhexyl) phthalate	<0.60		0.60	ug/L		12/11/25 08:04	12/14/25 08:54	1
Bromacil	<0.099		0.099	ug/L		12/11/25 08:04	12/14/25 08:54	1
Butachlor	<0.050		0.050	ug/L		12/11/25 08:04	12/14/25 08:54	1
Butylbenzylphthalate	<0.50		0.50	ug/L		12/11/25 08:04	12/14/25 08:54	1
Chlorobenzilate	<0.099		0.099	ug/L		12/11/25 08:04	12/14/25 08:54	1
Chloroneb	<0.099		0.099	ug/L		12/11/25 08:04	12/14/25 08:54	1
Chlorothalonil (Draconil, Bravo)	<0.099		0.099	ug/L		12/11/25 08:04	12/14/25 08:54	1
Chlorpyrifos	<0.050		0.050	ug/L		12/11/25 08:04	12/14/25 08:54	1
Chrysene	<0.020		0.020	ug/L		12/11/25 08:04	12/14/25 08:54	1
delta-BHC	<0.099		0.099	ug/L		12/11/25 08:04	12/14/25 08:54	1
Di(2-ethylhexyl)adipate	<0.60		0.60	ug/L		12/11/25 08:04	12/14/25 08:54	1
Dibenz(a,h)anthracene	<0.050		0.050	ug/L		12/11/25 08:04	12/14/25 08:54	1
Diclorvos (DDVP)	<0.050		0.050	ug/L		12/11/25 08:04	12/14/25 08:54	1
Dieldrin	<0.0099		0.0099	ug/L		12/11/25 08:04	12/14/25 08:54	1
Diethylphthalate	<0.50		0.50	ug/L		12/11/25 08:04	12/14/25 08:54	1
Dimethylphthalate	<0.50		0.50	ug/L		12/11/25 08:04	12/14/25 08:54	1
Di-n-butyl phthalate	<0.99		0.99	ug/L		12/11/25 08:04	12/14/25 08:54	1
Di-n-octyl phthalate	<0.099		0.099	ug/L		12/11/25 08:04	12/14/25 08:54	1
Endosulfan I (Alpha)	<0.099		0.099	ug/L		12/11/25 08:04	12/14/25 08:54	1
Endosulfan II (Beta)	<0.099		0.099	ug/L		12/11/25 08:04	12/14/25 08:54	1
Endosulfan sulfate	<0.099		0.099	ug/L		12/11/25 08:04	12/14/25 08:54	1
Endrin	<0.0099		0.0099	ug/L		12/11/25 08:04	12/14/25 08:54	1
Endrin aldehyde	<0.099		0.099	ug/L		12/11/25 08:04	12/14/25 08:54	1
EPTC	<0.099		0.099	ug/L		12/11/25 08:04	12/14/25 08:54	1

Eurofins Pomona

# QC Sample Results

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

Job ID: 380-187009-1  
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

**Lab Sample ID: MB 380-191694/21-A**  
**Matrix: Water**  
**Analysis Batch: 192250**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 191694**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	<0.099		0.099	ug/L		12/11/25 08:04	12/14/25 08:54	1
Fluorene	<0.050		0.050	ug/L		12/11/25 08:04	12/14/25 08:54	1
gamma-Chlordane	<0.050		0.050	ug/L		12/11/25 08:04	12/14/25 08:54	1
Heptachlor	<0.0099		0.0099	ug/L		12/11/25 08:04	12/14/25 08:54	1
Heptachlor epoxide (isomer B)	<0.0099		0.0099	ug/L		12/11/25 08:04	12/14/25 08:54	1
Hexachlorobenzene	<0.050		0.050	ug/L		12/11/25 08:04	12/14/25 08:54	1
Hexachlorocyclopentadiene	<0.050		0.050	ug/L		12/11/25 08:04	12/14/25 08:54	1
Indeno[1,2,3-cd]pyrene	<0.050		0.050	ug/L		12/11/25 08:04	12/14/25 08:54	1
Isophorone	<0.099		0.099	ug/L		12/11/25 08:04	12/14/25 08:54	1
Lindane	<0.0099		0.0099	ug/L		12/11/25 08:04	12/14/25 08:54	1
Malathion	<0.099		0.099	ug/L		12/11/25 08:04	12/14/25 08:54	1
Methoxychlor	<0.050		0.050	ug/L		12/11/25 08:04	12/14/25 08:54	1
Metolachlor	<0.050		0.050	ug/L		12/11/25 08:04	12/14/25 08:54	1
Molinate	<0.099		0.099	ug/L		12/11/25 08:04	12/14/25 08:54	1
Naphthalene	<0.099		0.099	ug/L		12/11/25 08:04	12/14/25 08:54	1
Parathion	<0.099		0.099	ug/L		12/11/25 08:04	12/14/25 08:54	1
Pendimethalin (Penoxaline)	<0.099		0.099	ug/L		12/11/25 08:04	12/14/25 08:54	1
Phenanthrene	<0.040		0.040	ug/L		12/11/25 08:04	12/14/25 08:54	1
Propachlor	<0.050		0.050	ug/L		12/11/25 08:04	12/14/25 08:54	1
Pyrene	<0.050		0.050	ug/L		12/11/25 08:04	12/14/25 08:54	1
Simazine	<0.050		0.050	ug/L		12/11/25 08:04	12/14/25 08:54	1
Terbacil	<0.099		0.099	ug/L		12/11/25 08:04	12/14/25 08:54	1
Terbutylazine	<0.099		0.099	ug/L		12/11/25 08:04	12/14/25 08:54	1
Thiobencarb	<0.099		0.099	ug/L		12/11/25 08:04	12/14/25 08:54	1
Total Permethrin (mixed isomers)	<0.20		0.20	ug/L		12/11/25 08:04	12/14/25 08:54	1
trans-Nonachlor	<0.050		0.050	ug/L		12/11/25 08:04	12/14/25 08:54	1
Trifluralin	<0.099		0.099	ug/L		12/11/25 08:04	12/14/25 08:54	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Cyclopentene, 1,2,3,4,5-pentamethyl-	0.962	T J N	ug/L		2.52	1000154-28-6	12/11/25 08:04	12/14/25 08:54	1
Cyclotetrasiloxane, octamethyl-	0.978	T J N	ug/L		2.72	556-67-2	12/11/25 08:04	12/14/25 08:54	1
Unknown	1.40	T J	ug/L		2.98	N/A	12/11/25 08:04	12/14/25 08:54	1
Undecane	3.36	T J N	ug/L		3.12	1120-21-4	12/11/25 08:04	12/14/25 08:54	1
Hexadecane	0.545	T J N	ug/L		3.76	544-76-3	12/11/25 08:04	12/14/25 08:54	1
9-Octadecenamide, (Z)-	2.92	T J N	ug/L		7.86	301-02-0	12/11/25 08:04	12/14/25 08:54	1
Unknown	0.618	T J	ug/L		14.90	N/A	12/11/25 08:04	12/14/25 08:54	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	100		70 - 130	12/11/25 08:04	12/14/25 08:54	1
Perylene-d12	90		70 - 130	12/11/25 08:04	12/14/25 08:54	1
Triphenylphosphate	116		70 - 130	12/11/25 08:04	12/14/25 08:54	1

# QC Sample Results

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

Job ID: 380-187009-1  
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

**Lab Sample ID: LCS 380-191694/23-A**  
**Matrix: Water**  
**Analysis Batch: 192250**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 191694**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	1.99	1.64		ug/L		82	70 - 130
2,4'-DDD	1.99	1.97		ug/L		99	70 - 130
2,4'-DDE	1.99	1.91		ug/L		96	70 - 130
2,4'-DDT	1.99	1.77		ug/L		89	70 - 130
2,4-Dinitrotoluene	1.99	1.59		ug/L		80	70 - 130
2,6-Dinitrotoluene	1.99	1.82		ug/L		92	70 - 130
2-Methylnaphthalene	1.99	1.67		ug/L		84	70 - 130
4,4'-DDD	1.99	2.03		ug/L		102	70 - 130
4,4'-DDE	1.99	2.25		ug/L		113	70 - 130
4,4'-DDT	1.99	1.93		ug/L		97	70 - 130
Acenaphthene	1.99	1.97		ug/L		99	70 - 130
Acenaphthylene	1.99	1.78		ug/L		90	70 - 130
Acetochlor	1.99	2.24		ug/L		113	70 - 130
Alachlor	1.99	2.10		ug/L		106	70 - 130
alpha-BHC	1.99	1.86		ug/L		94	70 - 130
alpha-Chlordane	1.99	1.97		ug/L		99	70 - 130
Anthracene	1.99	1.61		ug/L		81	70 - 130
Atrazine	1.99	1.93		ug/L		97	70 - 130
Benz(a)anthracene	1.99	1.77		ug/L		89	70 - 130
Benzo[a]pyrene	1.99	1.78		ug/L		90	70 - 130
Benzo[b]fluoranthene	1.99	1.96		ug/L		99	70 - 130
Benzo[g,h,i]perylene	1.99	2.08		ug/L		105	70 - 130
Benzo[k]fluoranthene	1.99	1.82		ug/L		92	70 - 130
beta-BHC	1.99	2.09		ug/L		105	70 - 130
Bis(2-ethylhexyl) phthalate	1.99	2.56		ug/L		129	70 - 130
Bromacil	1.99	1.85		ug/L		93	70 - 130
Butachlor	1.99	2.10		ug/L		106	70 - 130
Butylbenzylphthalate	1.99	2.53		ug/L		128	70 - 130
Chlorobenzilate	1.99	2.13		ug/L		107	70 - 130
Chloroneb	1.99	1.79		ug/L		90	70 - 130
Chlorothalonil (Draconil, Bravo)	1.99	1.79		ug/L		90	70 - 130
Chlorpyrifos	1.99	1.92		ug/L		97	70 - 130
Chrysene	1.99	1.70		ug/L		86	70 - 130
delta-BHC	1.99	1.94		ug/L		97	70 - 130
Di(2-ethylhexyl)adipate	1.99	2.36		ug/L		119	70 - 130
Dibenz(a,h)anthracene	1.99	2.03		ug/L		102	70 - 130
Diclorvos (DDVP)	1.99	2.00		ug/L		101	70 - 130
Dieldrin	1.99	1.85		ug/L		93	70 - 130
Diethylphthalate	1.99	2.05		ug/L		103	70 - 130
Dimethylphthalate	1.99	1.88		ug/L		95	70 - 130
Di-n-butyl phthalate	3.97	4.06		ug/L		102	70 - 130
Di-n-octyl phthalate	1.99	2.33		ug/L		118	70 - 130
Endosulfan I (Alpha)	1.99	1.92		ug/L		97	70 - 130
Endosulfan II (Beta)	1.99	1.97		ug/L		99	70 - 130
Endosulfan sulfate	1.99	1.96		ug/L		99	70 - 130
Endrin	1.99	1.98		ug/L		100	70 - 130
Endrin aldehyde	1.99	2.23		ug/L		112	60 - 130
EPTC	1.99	1.92		ug/L		97	70 - 130

# QC Sample Results

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

Job ID: 380-187009-1  
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

**Lab Sample ID: LCS 380-191694/23-A**  
**Matrix: Water**  
**Analysis Batch: 192250**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 191694**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoranthene	1.99	2.12		ug/L		107	70 - 130
Fluorene	1.99	1.74		ug/L		88	70 - 130
gamma-Chlordane	1.99	1.91		ug/L		96	70 - 130
Heptachlor	1.99	1.95		ug/L		98	70 - 130
Heptachlor epoxide (isomer B)	1.99	2.29		ug/L		116	70 - 130
Hexachlorobenzene	1.99	1.92		ug/L		97	70 - 130
Hexachlorocyclopentadiene	1.99	1.59		ug/L		80	70 - 130
Indeno[1,2,3-cd]pyrene	1.99	2.02		ug/L		102	70 - 130
Isophorone	1.99	2.03		ug/L		102	70 - 130
Lindane	1.99	1.93		ug/L		97	70 - 130
Malathion	1.99	1.99		ug/L		100	70 - 130
Methoxychlor	1.99	1.95		ug/L		98	70 - 130
Metolachlor	1.99	1.93		ug/L		97	70 - 130
Molinate	1.99	1.87		ug/L		94	70 - 130
Naphthalene	1.99	1.87		ug/L		94	70 - 130
Parathion	1.99	2.19		ug/L		110	70 - 130
Pendimethalin (Penoxaline)	1.99	1.73		ug/L		87	70 - 130
Phenanthrene	1.99	1.86		ug/L		94	70 - 130
Propachlor	1.99	1.98		ug/L		100	70 - 130
Pyrene	1.99	2.05		ug/L		103	70 - 130
Simazine	1.99	1.72		ug/L		87	70 - 130
Terbacil	1.99	2.13		ug/L		107	70 - 130
Terbutylazine	1.99	2.03		ug/L		103	70 - 130
Thiobencarb	1.99	2.14		ug/L		108	70 - 130
trans-Nonachlor	1.99	2.27		ug/L		114	70 - 130
Trifluralin	1.99	1.55		ug/L		78	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Nitro-m-xylene	99		70 - 130
Perylene-d12	94		70 - 130
Triphenylphosphate	126		70 - 130

**Lab Sample ID: MRL 380-191694/22-A**  
**Matrix: Water**  
**Analysis Batch: 192250**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 191694**

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	0.0995	0.0967	J	ug/L		97	50 - 150
2,4'-DDD	0.0995	0.0721	J	ug/L		72	50 - 150
2,4'-DDE	0.0995	0.0813	J	ug/L		82	50 - 150
2,4'-DDT	0.0995	0.0862	J	ug/L		87	50 - 150
2,4-Dinitrotoluene	0.0995	0.0896	J	ug/L		90	50 - 150
2,6-Dinitrotoluene	0.0995	0.104		ug/L		104	50 - 150
2-Methylnaphthalene	0.0995	0.0996		ug/L		100	50 - 150
4,4'-DDD	0.0995	0.0782	J	ug/L		79	50 - 150
4,4'-DDE	0.0995	0.0844	J	ug/L		85	50 - 150
4,4'-DDT	0.0995	0.102		ug/L		103	50 - 150
Acenaphthene	0.0995	0.0751	J	ug/L		75	50 - 150

# QC Sample Results

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

Job ID: 380-187009-1  
 SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

**Lab Sample ID: MRL 380-191694/22-A**  
**Matrix: Water**  
**Analysis Batch: 192250**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 191694**

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthylene	0.0995	0.0828	J	ug/L		83	50 - 150
Acetochlor	0.0995	0.108		ug/L		109	50 - 150
Alachlor	0.0497	0.0501		ug/L		101	50 - 150
alpha-BHC	0.0995	0.115		ug/L		116	50 - 150
alpha-Chlordane	0.0249	<0.029		ug/L		109	50 - 150
Anthracene	0.0199	<0.019		ug/L		90	50 - 150
Atrazine	0.0497	0.0487	J	ug/L		98	50 - 150
Benz(a)anthracene	0.0497	0.0547		ug/L		110	50 - 150
Benzo[a]pyrene	0.0199	0.0166	J	ug/L		83	50 - 150
Benzo[b]fluoranthene	0.0199	0.0167	J	ug/L		84	50 - 150
Benzo[g,h,i]perylene	0.0497	0.0449	J	ug/L		90	50 - 150
Benzo[k]fluoranthene	0.0199	0.0187	J	ug/L		94	50 - 150
beta-BHC	0.0995	0.134		ug/L		134	50 - 150
Bis(2-ethylhexyl) phthalate	0.597	0.676		ug/L		113	50 - 150
Bromacil	0.0995	0.148		ug/L		149	50 - 150
Butachlor	0.0497	0.0517		ug/L		104	50 - 150
Butylbenzylphthalate	0.497	0.667		ug/L		134	50 - 150
Chlorobenzilate	0.0995	0.0957	J	ug/L		96	50 - 150
Chloroneb	0.0995	0.122		ug/L		123	50 - 150
Chlorothalonil (Draconil, Bravo)	0.0995	0.0854	J	ug/L		86	50 - 150
Chlorpyrifos	0.0497	0.0670		ug/L		135	50 - 150
Chrysene	0.0199	0.0163	J	ug/L		82	50 - 150
delta-BHC	0.0995	0.124		ug/L		125	50 - 150
Di(2-ethylhexyl)adipate	0.597	0.707		ug/L		118	50 - 150
Dibenz(a,h)anthracene	0.0497	0.0530		ug/L		107	50 - 150
Diclorvos (DDVP)	0.0497	0.0642		ug/L		129	50 - 150
Dieldrin	0.00995	0.00950	J	ug/L		96	50 - 150
Diethylphthalate	0.497	0.539		ug/L		108	50 - 150
Dimethylphthalate	0.497	0.493	J	ug/L		99	50 - 150
Di-n-butyl phthalate	0.497	0.471	J	ug/L		95	49 - 243
Di-n-octyl phthalate	0.0995	0.0972	J	ug/L		98	50 - 150
Endosulfan I (Alpha)	0.0995	0.127		ug/L		127	50 - 150
Endosulfan II (Beta)	0.0995	0.126		ug/L		127	50 - 150
Endosulfan sulfate	0.0995	0.0923	J	ug/L		93	50 - 150
Endrin	0.00995	0.0116		ug/L		117	50 - 150
Endrin aldehyde	0.0995	0.0869	J	ug/L		87	50 - 150
EPTC	0.0995	0.0867	J	ug/L		87	50 - 150
Fluoranthene	0.0995	0.117		ug/L		118	50 - 150
Fluorene	0.0497	<0.050		ug/L		97	50 - 150
gamma-Chlordane	0.0249	0.0226	J	ug/L		91	50 - 150
Heptachlor	0.00995	0.0100		ug/L		101	50 - 150
Heptachlor epoxide (isomer B)	0.00995	0.00908	J	ug/L		91	50 - 150
Hexachlorobenzene	0.0497	0.0505		ug/L		102	50 - 150
Hexachlorocyclopentadiene	0.0497	<0.038		ug/L		61	50 - 150
Indeno[1,2,3-cd]pyrene	0.0497	0.0530		ug/L		107	50 - 150
Isophorone	0.0995	0.127		ug/L		127	50 - 150
Lindane	0.00995	0.0114		ug/L		114	50 - 150
Malathion	0.0995	0.0998		ug/L		100	50 - 150
Methoxychlor	0.0497	0.0599		ug/L		121	50 - 150

Eurofins Pomona

# QC Sample Results

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

Job ID: 380-187009-1  
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

**Lab Sample ID: MRL 380-191694/22-A**  
**Matrix: Water**  
**Analysis Batch: 192250**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 191694**

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Metolachlor	0.0497	0.0523		ug/L		105	50 - 150
Molinate	0.0995	0.0964	J	ug/L		97	50 - 150
Naphthalene	0.0995	0.0788	J	ug/L		79	50 - 150
Parathion	0.0995	0.0982	J	ug/L		99	50 - 150
Pendimethalin (Penoxaline)	0.0995	0.0730	J	ug/L		73	50 - 150
Phenanthrene	0.0398	0.0431		ug/L		108	50 - 150
Propachlor	0.0497	0.0542		ug/L		109	50 - 150
Pyrene	0.0497	0.0617		ug/L		124	50 - 150
Simazine	0.0497	0.0547		ug/L		110	50 - 150
Terbacil	0.0995	0.0894	J	ug/L		90	50 - 150
Terbutylazine	0.0995	0.103		ug/L		104	50 - 150
Thiobencarb	0.0995	0.118		ug/L		118	50 - 150
trans-Nonachlor	0.0249	0.0308	J	ug/L		124	50 - 150
Trifluralin	0.0995	0.0831	J	ug/L		84	50 - 150

Surrogate	MRL %Recovery	MRL Qualifier	Limits
2-Nitro-m-xylene	98		70 - 130
Perylene-d12	82		70 - 130
Triphenylphosphate	124		70 - 130

**Lab Sample ID: 380-187018-I-1-A MS**  
**Matrix: Water**  
**Analysis Batch: 192249**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 191694**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.097		1.96	1.76		ug/L		89	70 - 130
2,4'-DDD	<0.097		1.96	2.04		ug/L		104	70 - 130
2,4'-DDE	<0.097		1.96	1.99		ug/L		102	70 - 130
2,4'-DDT	<0.097		1.96	2.06		ug/L		105	70 - 130
2,4-Dinitrotoluene	<0.097		1.96	1.81		ug/L		93	70 - 130
2,6-Dinitrotoluene	<0.097		1.96	1.84		ug/L		94	70 - 130
2-Methylnaphthalene	<0.097		1.96	1.76		ug/L		89	70 - 130
4,4'-DDD	<0.097		1.96	2.05		ug/L		105	70 - 130
4,4'-DDE	<0.097		1.96	2.04		ug/L		104	70 - 130
4,4'-DDT	<0.097		1.96	1.88		ug/L		96	70 - 130
Acenaphthene	<0.097		1.96	1.91		ug/L		98	70 - 130
Acenaphthylene	<0.097		1.96	1.83		ug/L		94	70 - 130
Acetochlor	<0.097		1.96	2.06		ug/L		106	70 - 130
Alachlor	<0.048		1.96	2.08		ug/L		106	70 - 130
alpha-BHC	<0.097		1.96	1.93		ug/L		99	70 - 130
alpha-Chlordane	<0.048		1.96	2.36		ug/L		119	70 - 130
Anthracene	<0.019	F1	1.96	1.06	F1	ug/L		54	70 - 130
Atrazine	<0.048		1.96	2.12		ug/L		108	70 - 130
Benz(a)anthracene	<0.048		1.96	1.73		ug/L		88	70 - 130
Benzo[a]pyrene	<0.019		1.96	1.58		ug/L		80	70 - 130
Benzo[b]fluoranthene	<0.019		1.96	1.95		ug/L		100	70 - 130
Benzo[g,h,i]perylene	<0.048		1.96	2.00		ug/L		102	70 - 130
Benzo[k]fluoranthene	<0.019		1.96	2.00		ug/L		102	70 - 130

# QC Sample Results

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

Job ID: 380-187009-1  
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

**Lab Sample ID: 380-187018-I-1-A MS**  
**Matrix: Water**  
**Analysis Batch: 192249**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 191694**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier	Added	Result	Qualifier				
beta-BHC	<0.097		1.96	1.96		ug/L		100	70 - 130
Bis(2-ethylhexyl) phthalate	<0.58		1.96	1.79		ug/L		92	70 - 130
Bromacil	<0.097		1.96	1.86		ug/L		93	70 - 130
Butachlor	<0.048		1.96	2.07		ug/L		106	70 - 130
Butylbenzylphthalate	<0.48		1.96	2.24		ug/L		114	70 - 130
Chlorobenzilate	<0.097		1.96	2.03		ug/L		104	70 - 130
Chloroneb	<0.097		1.96	1.87		ug/L		96	70 - 130
Chlorothalonil (Draconil, Bravo)	<0.097		1.96	2.22		ug/L		113	70 - 130
Chlorpyrifos	<0.048		1.96	2.17		ug/L		111	70 - 130
Chrysene	<0.019		1.96	1.88		ug/L		96	70 - 130
delta-BHC	<0.097		1.96	1.91		ug/L		98	70 - 130
Di(2-ethylhexyl)adipate	<0.58		1.96	2.05		ug/L		105	70 - 130
Dibenz(a,h)anthracene	<0.048		1.96	1.82		ug/L		93	70 - 130
Diclorvos (DDVP)	<0.048		1.96	1.69		ug/L		86	70 - 130
Dieldrin	0.072		1.96	2.14		ug/L		106	70 - 130
Diethylphthalate	<0.48		1.96	2.12		ug/L		108	70 - 130
Dimethylphthalate	<0.48		1.96	2.04		ug/L		104	70 - 130
Di-n-butyl phthalate	<0.97		3.91	4.15		ug/L		106	70 - 130
Di-n-octyl phthalate	<0.097		1.96	1.72		ug/L		88	70 - 130
Endosulfan I (Alpha)	<0.097		1.96	1.91		ug/L		98	70 - 130
Endosulfan II (Beta)	<0.097		1.96	1.94		ug/L		99	70 - 130
Endosulfan sulfate	<0.097		1.96	2.19		ug/L		112	70 - 130
Endrin	<0.0097		1.96	2.14		ug/L		109	70 - 130
Endrin aldehyde	<0.097		1.96	1.62		ug/L		83	60 - 130
EPTC	<0.097		1.96	1.99		ug/L		102	70 - 130
Fluoranthene	<0.097		1.96	2.09		ug/L		107	70 - 130
Fluorene	<0.048		1.96	1.93		ug/L		98	70 - 130
gamma-Chlordane	<0.048		1.96	2.38		ug/L		120	70 - 130
Heptachlor	<0.0097		1.96	2.05		ug/L		105	70 - 130
Heptachlor epoxide (isomer B)	0.011		1.96	2.13		ug/L		108	70 - 130
Hexachlorobenzene	<0.048		1.96	2.11		ug/L		108	70 - 130
Hexachlorocyclopentadiene	<0.048		1.96	1.85		ug/L		94	70 - 130
Indeno[1,2,3-cd]pyrene	<0.048		1.96	2.01		ug/L		103	70 - 130
Isophorone	<0.097		1.96	1.95		ug/L		100	70 - 130
Lindane	<0.0097		1.96	1.94		ug/L		99	70 - 130
Malathion	<0.097		1.96	1.91		ug/L		98	70 - 130
Methoxychlor	<0.048		1.96	2.05		ug/L		105	70 - 130
Metolachlor	<0.048		1.96	1.96		ug/L		100	70 - 130
Molinate	<0.097		1.96	2.00		ug/L		102	70 - 130
Naphthalene	<0.097		1.96	1.87		ug/L		96	70 - 130
Parathion	<0.097		1.96	2.18		ug/L		111	70 - 130
Pendimethalin (Penoxaline)	<0.097		1.96	2.06		ug/L		105	70 - 130
Phenanthrene	<0.039		1.96	1.89		ug/L		97	70 - 130
Propachlor	<0.048		1.96	2.10		ug/L		107	70 - 130
Pyrene	<0.048		1.96	2.04		ug/L		104	70 - 130
Simazine	<0.048		1.96	1.91		ug/L		98	70 - 130
Terbacil	<0.097		1.96	1.94		ug/L		99	70 - 130
Terbutylazine	<0.097		1.96	2.24		ug/L		115	70 - 130
Thiobencarb	<0.097		1.96	2.09		ug/L		107	70 - 130

Eurofins Pomona

# QC Sample Results

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

Job ID: 380-187009-1  
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

**Lab Sample ID: 380-187018-I-1-A MS**  
**Matrix: Water**  
**Analysis Batch: 192249**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 191694**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier	Added	Result	Qualifier				
trans-Nonachlor	<0.048		1.96	2.30		ug/L		117	70 - 130
Trifluralin	<0.097		1.96	2.05		ug/L		105	70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
2-Nitro-m-xylene	95		70 - 130
Perylene-d12	95		70 - 130
Triphenylphosphate	113		70 - 130

**Lab Sample ID: 380-187062-Q-1-B DU**  
**Matrix: Water**  
**Analysis Batch: 192250**

**Client Sample ID: Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 191694**

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

# QC Sample Results

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

Job ID: 380-187009-1  
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

**Lab Sample ID: 380-187062-Q-1-B DU**  
**Matrix: Water**  
**Analysis Batch: 192250**

**Client Sample ID: Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 191694**

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

Surrogate	DU %Recovery	DU Qualifier	Limits
2-Nitro-m-xylene	98		70 - 130
Perylene-d12	83		70 - 130
Triphenylphosphate	133	S1+	70 - 130

# QC Sample Results

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

Job ID: 380-187009-1  
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

**Lab Sample ID: MB 570-668516/1-A**  
**Matrix: Water**  
**Analysis Batch: 676240**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 668516**

<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>12/11/25 12:16</i>	<i>12/29/25 11:17</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>	12	S1-	33 - 139				<i>12/11/25 12:16</i>	<i>12/29/25 11:17</i>	<i>1</i>
<i>2-Fluorobiphenyl (Surr)</i>	12	S1-	33 - 126				<i>12/11/25 12:16</i>	<i>12/29/25 11:17</i>	<i>1</i>
<i>2-Fluorophenol (Surr)</i>	14		12 - 120				<i>12/11/25 12:16</i>	<i>12/29/25 11:17</i>	<i>1</i>
<i>Nitrobenzene-d5 (Surr)</i>	19	S1-	36 - 120				<i>12/11/25 12:16</i>	<i>12/29/25 11:17</i>	<i>1</i>
<i>Phenol-d6 (Surr)</i>	8	S1-	10 - 120				<i>12/11/25 12:16</i>	<i>12/29/25 11:17</i>	<i>1</i>
<i>p-Terphenyl-d14 (Surr)</i>	19	S1-	47 - 131				<i>12/11/25 12:16</i>	<i>12/29/25 11:17</i>	<i>1</i>

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

**Lab Sample ID: MB 570-668516/1-A**  
**Matrix: Water**  
**Analysis Batch: 673714**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 668516**

<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>12/11/25 12:16</i>	<i>12/22/25 05:27</i>	<i>1</i>
<i>2-Methylnaphthalene</i>	<0.20		0.20	ug/L		<i>12/11/25 12:16</i>	<i>12/22/25 05:27</i>	<i>1</i>
<i>Acenaphthene</i>	<0.20		0.20	ug/L		<i>12/11/25 12:16</i>	<i>12/22/25 05:27</i>	<i>1</i>
<i>Acenaphthylene</i>	<0.20		0.20	ug/L		<i>12/11/25 12:16</i>	<i>12/22/25 05:27</i>	<i>1</i>
<i>Anthracene</i>	<0.20		0.20	ug/L		<i>12/11/25 12:16</i>	<i>12/22/25 05:27</i>	<i>1</i>
<i>Benzo[a]anthracene</i>	<0.20		0.20	ug/L		<i>12/11/25 12:16</i>	<i>12/22/25 05:27</i>	<i>1</i>
<i>Benzo[a]pyrene</i>	<0.20		0.20	ug/L		<i>12/11/25 12:16</i>	<i>12/22/25 05:27</i>	<i>1</i>
<i>Benzo[b]fluoranthene</i>	<0.20		0.20	ug/L		<i>12/11/25 12:16</i>	<i>12/22/25 05:27</i>	<i>1</i>
<i>Benzo[g,h,i]perylene</i>	<0.20		0.20	ug/L		<i>12/11/25 12:16</i>	<i>12/22/25 05:27</i>	<i>1</i>
<i>Benzo[k]fluoranthene</i>	<0.20		0.20	ug/L		<i>12/11/25 12:16</i>	<i>12/22/25 05:27</i>	<i>1</i>
<i>Chrysene</i>	<0.20		0.20	ug/L		<i>12/11/25 12:16</i>	<i>12/22/25 05:27</i>	<i>1</i>
<i>Dibenz(a,h)anthracene</i>	<0.20		0.20	ug/L		<i>12/11/25 12:16</i>	<i>12/22/25 05:27</i>	<i>1</i>
<i>Fluoranthene</i>	<0.20		0.20	ug/L		<i>12/11/25 12:16</i>	<i>12/22/25 05:27</i>	<i>1</i>
<i>Fluorene</i>	<0.20		0.20	ug/L		<i>12/11/25 12:16</i>	<i>12/22/25 05:27</i>	<i>1</i>
<i>Indeno[1,2,3-cd]pyrene</i>	<0.20		0.20	ug/L		<i>12/11/25 12:16</i>	<i>12/22/25 05:27</i>	<i>1</i>
<i>Naphthalene</i>	<0.20		0.20	ug/L		<i>12/11/25 12:16</i>	<i>12/22/25 05:27</i>	<i>1</i>
<i>Phenanthrene</i>	<0.20		0.20	ug/L		<i>12/11/25 12:16</i>	<i>12/22/25 05:27</i>	<i>1</i>
<i>Pyrene</i>	<0.20		0.20	ug/L		<i>12/11/25 12:16</i>	<i>12/22/25 05:27</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>	19	S1-	28 - 127			<i>12/11/25 12:16</i>	<i>12/22/25 05:27</i>	<i>1</i>
<i>2-Fluorobiphenyl (Surr)</i>	14	S1-	31 - 120			<i>12/11/25 12:16</i>	<i>12/22/25 05:27</i>	<i>1</i>
<i>2-Fluorophenol (Surr)</i>	11	S1-	17 - 120			<i>12/11/25 12:16</i>	<i>12/22/25 05:27</i>	<i>1</i>
<i>Nitrobenzene-d5 (Surr)</i>	15	S1-	27 - 120			<i>12/11/25 12:16</i>	<i>12/22/25 05:27</i>	<i>1</i>
<i>Phenol-d6 (Surr)</i>	8	S1-	10 - 120			<i>12/11/25 12:16</i>	<i>12/22/25 05:27</i>	<i>1</i>
<i>p-Terphenyl-d14 (Surr)</i>	20	S1-	45 - 120			<i>12/11/25 12:16</i>	<i>12/22/25 05:27</i>	<i>1</i>

# QC Sample Results

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

Job ID: 380-187009-1  
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

**Lab Sample ID: LCS 570-668516/2-A**  
**Matrix: Water**  
**Analysis Batch: 673714**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 668516**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	20.0	15.3		ug/L		76	47 - 120
2-Methylnaphthalene	20.0	15.0		ug/L		75	43 - 120
Acenaphthene	20.0	18.6		ug/L		93	60 - 132
Acenaphthylene	20.0	17.1		ug/L		85	54 - 126
Anthracene	20.0	18.7		ug/L		93	43 - 120
Benzo[a]anthracene	20.0	18.9		ug/L		94	42 - 133
Benzo[a]pyrene	20.0	19.6		ug/L		98	32 - 148
Benzo[b]fluoranthene	20.0	19.3		ug/L		97	42 - 140
Benzo[g,h,i]perylene	20.0	19.0		ug/L		95	1 - 195
Benzo[k]fluoranthene	20.0	18.8		ug/L		94	25 - 146
Chrysene	20.0	18.7		ug/L		93	44 - 140
Dibenz(a,h)anthracene	20.0	19.5		ug/L		97	1 - 200
Fluoranthene	20.0	18.6		ug/L		93	43 - 121
Fluorene	20.0	18.5		ug/L		93	70 - 120
Indeno[1,2,3-cd]pyrene	20.0	19.3		ug/L		97	1 - 151
Naphthalene	20.0	14.3		ug/L		72	36 - 120
Phenanthrene	20.0	18.6		ug/L		93	65 - 120
Pyrene	20.0	20.2		ug/L		101	70 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	86		28 - 127
2-Fluorobiphenyl (Surr)	86		31 - 120
2-Fluorophenol (Surr)	66		17 - 120
Nitrobenzene-d5 (Surr)	73		27 - 120
Phenol-d6 (Surr)	44		10 - 120
p-Terphenyl-d14 (Surr)	88		45 - 120

**Lab Sample ID: LCSD 570-668516/3-A**  
**Matrix: Water**  
**Analysis Batch: 673714**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 668516**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	20.0	14.6		ug/L		73	47 - 120	5	20
2-Methylnaphthalene	20.0	14.3		ug/L		72	43 - 120	5	20
Acenaphthene	20.0	17.4		ug/L		87	60 - 132	6	29
Acenaphthylene	20.0	16.3		ug/L		81	54 - 126	5	45
Anthracene	20.0	17.2		ug/L		86	43 - 120	8	40
Benzo[a]anthracene	20.0	17.4		ug/L		87	42 - 133	8	32
Benzo[a]pyrene	20.0	18.2		ug/L		91	32 - 148	8	43
Benzo[b]fluoranthene	20.0	17.9		ug/L		90	42 - 140	8	43
Benzo[g,h,i]perylene	20.0	17.5		ug/L		88	1 - 195	8	61
Benzo[k]fluoranthene	20.0	17.4		ug/L		87	25 - 146	8	38
Chrysene	20.0	17.3		ug/L		86	44 - 140	8	53
Dibenz(a,h)anthracene	20.0	18.3		ug/L		91	1 - 200	6	75
Fluoranthene	20.0	17.4		ug/L		87	43 - 121	6	40
Fluorene	20.0	17.3		ug/L		86	70 - 120	7	23
Indeno[1,2,3-cd]pyrene	20.0	18.0		ug/L		90	1 - 151	7	60
Naphthalene	20.0	13.7		ug/L		68	36 - 120	5	39

Eurofins Pomona

# QC Sample Results

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

Job ID: 380-187009-1  
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

**Lab Sample ID: LCSD 570-668516/3-A**  
**Matrix: Water**  
**Analysis Batch: 673714**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 668516**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phenanthrene	20.0	17.2		ug/L		86	65 - 120	8	24
Pyrene	20.0	18.8		ug/L		94	70 - 120	7	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	82		28 - 127
2-Fluorobiphenyl (Surr)	83		31 - 120
2-Fluorophenol (Surr)	60		17 - 120
Nitrobenzene-d5 (Surr)	70		27 - 120
Phenol-d6 (Surr)	39		10 - 120
p-Terphenyl-d14 (Surr)	83		45 - 120

**Lab Sample ID: 380-187025-A-1-B MS**  
**Matrix: Water**  
**Analysis Batch: 673714**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 668516**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.19		19.2	13.8		ug/L		72	36 - 120
2-Methylnaphthalene	<0.19		19.2	13.9		ug/L		73	32 - 124
Acenaphthene	<0.19		19.2	16.7		ug/L		87	47 - 145
Acenaphthylene	<0.19		19.2	16.4		ug/L		86	33 - 145
Anthracene	<0.19		19.2	16.7		ug/L		87	27 - 133
Benzo[a]anthracene	<0.19		19.2	17.1		ug/L		89	33 - 143
Benzo[a]pyrene	<0.19		19.2	17.6		ug/L		92	17 - 163
Benzo[b]fluoranthene	<0.19		19.2	17.2		ug/L		90	24 - 159
Benzo[g,h,i]perylene	<0.19		19.2	16.2		ug/L		84	1 - 219
Benzo[k]fluoranthene	<0.19		19.2	16.7		ug/L		87	11 - 162
Chrysene	<0.19		19.2	17.0		ug/L		89	17 - 168
Dibenz(a,h)anthracene	<0.19		19.2	17.0		ug/L		89	1 - 227
Fluoranthene	<0.19		19.2	16.4		ug/L		86	26 - 137
Fluorene	<0.19		19.2	16.6		ug/L		87	59 - 121
Indeno[1,2,3-cd]pyrene	<0.19		19.2	16.4		ug/L		85	1 - 171
Naphthalene	<0.19		19.2	13.1		ug/L		68	21 - 133
Phenanthrene	<0.19		19.2	16.7		ug/L		87	54 - 120
Pyrene	<0.19		19.2	18.7		ug/L		98	52 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	82		28 - 127
2-Fluorobiphenyl (Surr)	84		31 - 120
2-Fluorophenol (Surr)	59		17 - 120
Nitrobenzene-d5 (Surr)	69		27 - 120
Phenol-d6 (Surr)	39		10 - 120
p-Terphenyl-d14 (Surr)	85		45 - 120

# QC Sample Results

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

Job ID: 380-187009-1  
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

**Lab Sample ID: 380-187025-A-1-C MSD**  
**Matrix: Water**  
**Analysis Batch: 673714**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 668516**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
1-Methylnaphthalene	<0.19		19.1	14.1		ug/L		73	36 - 120	2	30
2-Methylnaphthalene	<0.19		19.1	14.1		ug/L		74	32 - 124	1	30
Acenaphthene	<0.19		19.1	17.1		ug/L		90	47 - 145	3	48
Acenaphthylene	<0.19		19.1	16.8		ug/L		88	33 - 145	3	74
Anthracene	<0.19		19.1	17.2		ug/L		90	27 - 133	3	66
Benzo[a]anthracene	<0.19		19.1	17.3		ug/L		90	33 - 143	1	53
Benzo[a]pyrene	<0.19		19.1	17.6		ug/L		92	17 - 163	0	72
Benzo[b]fluoranthene	<0.19		19.1	17.3		ug/L		90	24 - 159	0	71
Benzo[g,h,i]perylene	<0.19		19.1	16.6		ug/L		86	1 - 219	2	97
Benzo[k]fluoranthene	<0.19		19.1	16.7		ug/L		87	11 - 162	0	63
Chrysene	<0.19		19.1	17.1		ug/L		89	17 - 168	0	87
Dibenz(a,h)anthracene	<0.19		19.1	17.4		ug/L		91	1 - 227	2	126
Fluoranthene	<0.19		19.1	17.1		ug/L		89	26 - 137	4	66
Fluorene	<0.19		19.1	16.9		ug/L		88	59 - 121	2	38
Indeno[1,2,3-cd]pyrene	<0.19		19.1	17.0		ug/L		89	1 - 171	4	99
Naphthalene	<0.19		19.1	13.5		ug/L		71	21 - 133	3	65
Phenanthrene	<0.19		19.1	17.3		ug/L		90	54 - 120	3	39
Pyrene	<0.19		19.1	18.7		ug/L		97	52 - 120	0	49

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
2,4,6-Tribromophenol (Surr)	88		28 - 127
2-Fluorobiphenyl (Surr)	88		31 - 120
2-Fluorophenol (Surr)	62		17 - 120
Nitrobenzene-d5 (Surr)	75		27 - 120
Phenol-d6 (Surr)	41		10 - 120
p-Terphenyl-d14 (Surr)	88		45 - 120

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

**Lab Sample ID: MB 570-673280/6**  
**Matrix: Water**  
**Analysis Batch: 673280**

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

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
GRO (C6-C10)	<10		10	ug/L			12/20/25 13:00	1

Surrogate	MB %Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		38 - 134		12/20/25 13:00	1

**Lab Sample ID: LCS 570-673280/4**  
**Matrix: Water**  
**Analysis Batch: 673280**

**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	373		ug/L		93	78 - 120

# QC Sample Results

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

Job ID: 380-187009-1  
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

**Lab Sample ID: LCS 570-673280/4**  
**Matrix: Water**  
**Analysis Batch: 673280**

**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)	84		38 - 134

**Lab Sample ID: LCSD 570-673280/5**  
**Matrix: Water**  
**Analysis Batch: 673280**

**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	406		ug/L		101	78 - 120	9	10
<i>Surrogate</i>	<i>LCSD</i> %Recovery	<i>LCSD</i> Qualifier	<i>Limits</i>						
4-Bromofluorobenzene (Surr)	91		38 - 134						

**Lab Sample ID: MRL 570-673280/3**  
**Matrix: Water**  
**Analysis Batch: 673280**

**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	13.2		ug/L		132	50 - 150		
<i>Surrogate</i>	<i>MRL</i> %Recovery	<i>MRL</i> Qualifier	<i>Limits</i>						
4-Bromofluorobenzene (Surr)	80		38 - 134						

**Lab Sample ID: 380-187025-C-1 MS**  
**Matrix: Water**  
**Analysis Batch: 673280**

**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	382		ug/L		96	68 - 122		
<i>Surrogate</i>	<i>MS</i> %Recovery	<i>MS</i> Qualifier	<i>Limits</i>								
4-Bromofluorobenzene (Surr)	80		38 - 134								

**Lab Sample ID: 380-187025-C-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 673280**

**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	395		ug/L		99	68 - 122	3	18
<i>Surrogate</i>	<i>MSD</i> %Recovery	<i>MSD</i> Qualifier	<i>Limits</i>								
4-Bromofluorobenzene (Surr)	85		38 - 134								

# QC Sample Results

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

Job ID: 380-187009-1  
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

**Lab Sample ID: MB 570-669844/1-A**  
**Matrix: Water**  
**Analysis Batch: 674105**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 669844**

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Diesel Range Organics (C10-C24)	<25		25	ug/L		12/14/25 10:45	12/22/25 15:56	1
Motor Oil Range Organics [C24-C36]	<25		25	ug/L		12/14/25 10:45	12/22/25 15:56	1
C8-C18	<25		25	ug/L		12/14/25 10:45	12/22/25 15:56	1
Surrogate	MB MB		Limits			Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier						
<i>n</i> -Octacosane (Surr)	108		60 - 130			12/14/25 10:45	12/22/25 15:56	1

**Lab Sample ID: LCS 570-669844/2-A**  
**Matrix: Water**  
**Analysis Batch: 674105**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 669844**

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
C10-C28	1600	1390		ug/L		87	56 - 127
Surrogate	LCS LCS		Limits				
	%Recovery	Qualifier					
<i>n</i> -Octacosane (Surr)	102		60 - 130				

**Lab Sample ID: LCSD 570-669844/3-A**  
**Matrix: Water**  
**Analysis Batch: 674105**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 669844**

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec Limits	RPD	
		Result	Qualifier					RPD	Limit
C10-C28	1600	1460		ug/L		91	56 - 127	5	23
Surrogate	LCSD LCSD		Limits						
	%Recovery	Qualifier							
<i>n</i> -Octacosane (Surr)	91		60 - 130						

**Lab Sample ID: MRL 570-669844/4-A**  
**Matrix: Water**  
**Analysis Batch: 674105**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 669844**

Analyte	Spike Added	MRL MRL		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
C10-C28	0.0200	0.0214	J	mg/L		107	50 - 150
Surrogate	MRL MRL		Limits				
	%Recovery	Qualifier					
<i>n</i> -Octacosane (Surr)	86		60 - 130				

**Lab Sample ID: 380-187025-B-1-A MS**  
**Matrix: Water**  
**Analysis Batch: 674105**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 669844**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec Limits
				Result	Qualifier				
C10-C28	<26	F1 F2	1660	212	F1	ug/L		13	70 - 130
Surrogate	MS MS		Limits						
	%Recovery	Qualifier							
<i>n</i> -Octacosane (Surr)	106		60 - 130						

# QC Sample Results

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

Job ID: 380-187009-1  
 SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

**Lab Sample ID: 380-187025-B-1-B MSD**  
**Matrix: Water**  
**Analysis Batch: 674105**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 669844**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28	<26	F1 F2	1670	354	F1 F2	ug/L		21	70 - 130	50	20
<b>MSD MSD</b>											
Surrogate	%Recovery	Qualifier	Limits								
<i>n</i> -Octacosane (Surr)	115		60 - 130								

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

# QC Association Summary

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

Job ID: 380-187009-1  
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

## GC/MS Semi VOA

### Prep Batch: 191694

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-187009-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	525.2	
380-187009-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	525.2	
MB 380-191694/21-A	Method Blank	Total/NA	Water	525.2	
LCS 380-191694/23-A	Lab Control Sample	Total/NA	Water	525.2	
MRL 380-191694/22-A	Lab Control Sample	Total/NA	Water	525.2	
380-187018-I-1-A MS	Matrix Spike	Total/NA	Water	525.2	
380-187062-Q-1-B DU	Duplicate	Total/NA	Water	525.2	

### Analysis Batch: 192249

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-187018-I-1-A MS	Matrix Spike	Total/NA	Water	525.2	191694

### Analysis Batch: 192250

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-187009-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	525.2	191694
380-187009-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	525.2	191694
MB 380-191694/21-A	Method Blank	Total/NA	Water	525.2	191694
LCS 380-191694/23-A	Lab Control Sample	Total/NA	Water	525.2	191694
MRL 380-191694/22-A	Lab Control Sample	Total/NA	Water	525.2	191694
380-187062-Q-1-B DU	Duplicate	Total/NA	Water	525.2	191694

### Prep Batch: 668516

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-187009-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	625.1	
380-187009-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	625.1	
MB 570-668516/1-A	Method Blank	Total/NA	Water	625.1	
LCS 570-668516/2-A	Lab Control Sample	Total/NA	Water	625.1	
LCSD 570-668516/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	
380-187025-A-1-B MS	Matrix Spike	Total/NA	Water	625.1	
380-187025-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	625.1	

### Analysis Batch: 673714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-668516/1-A	Method Blank	Total/NA	Water	625.1 SIM	668516
LCS 570-668516/2-A	Lab Control Sample	Total/NA	Water	625.1 SIM	668516
LCSD 570-668516/3-A	Lab Control Sample Dup	Total/NA	Water	625.1 SIM	668516
380-187025-A-1-B MS	Matrix Spike	Total/NA	Water	625.1 SIM	668516
380-187025-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	625.1 SIM	668516

### Analysis Batch: 675313

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-187009-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	625.1 SIM	668516
380-187009-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	625.1 SIM	668516

### Analysis Batch: 676240

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-187009-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	625.1	668516
380-187009-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	625.1	668516
MB 570-668516/1-A	Method Blank	Total/NA	Water	625.1	668516

# QC Association Summary

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

Job ID: 380-187009-1  
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

## GC VOA

### Analysis Batch: 673280

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-187009-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	8015B GRO LL	
380-187009-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	8015B GRO LL	
380-187009-3	TB: AIEA GULCH WELLS PUMP 1	Total/NA	Water	8015B GRO LL	
380-187009-4	TB: AIEA GULCH WELLS PUMP 2	Total/NA	Water	8015B GRO LL	
MB 570-673280/6	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-673280/4	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-673280/5	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-673280/3	Lab Control Sample	Total/NA	Water	8015B GRO LL	
380-187025-C-1 MS	Matrix Spike	Total/NA	Water	8015B GRO LL	
380-187025-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B GRO LL	

## GC Semi VOA

### Prep Batch: 669844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-187009-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	3510C	
380-187009-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	3510C	
MB 570-669844/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-669844/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-669844/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MRL 570-669844/4-A	Lab Control Sample	Total/NA	Water	3510C	
380-187025-B-1-A MS	Matrix Spike	Total/NA	Water	3510C	
380-187025-B-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	

### Analysis Batch: 674105

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-187009-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	8015B	669844
380-187009-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	8015B	669844
MB 570-669844/1-A	Method Blank	Total/NA	Water	8015B	669844
LCS 570-669844/2-A	Lab Control Sample	Total/NA	Water	8015B	669844
LCSD 570-669844/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	669844
MRL 570-669844/4-A	Lab Control Sample	Total/NA	Water	8015B	669844
380-187025-B-1-A MS	Matrix Spike	Total/NA	Water	8015B	669844
380-187025-B-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	8015B	669844

# Lab Chronicle

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

Job ID: 380-187009-1  
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

**Client Sample ID: AIEA GULCH WELLS PUMP 1  
(331-201-TP071)**

**Lab Sample ID: 380-187009-1**

**Date Collected: 12/08/25 10:43**

**Matrix: Drinking Water**

**Date Received: 12/10/25 09:42**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			191694	OTM3	EA POM	12/11/25 08:04
Total/NA	Analysis	525.2		1	192250	Q8LA	EA POM	12/14/25 14:41
Total/NA	Prep	625.1			668516	VAW2	EET CAL 4	12/11/25 12:16
Total/NA	Analysis	625.1		1	676240	PQS1	EET CAL 4	12/29/25 13:38
Total/NA	Prep	625.1			668516	VAW2	EET CAL 4	12/11/25 12:16
Total/NA	Analysis	625.1 SIM		1	675313	PQS1	EET CAL 4	12/26/25 10:40
Total/NA	Analysis	8015B GRO LL		1	673280	YD9V	EET CAL 4	12/20/25 14:49
Total/NA	Prep	3510C			669844	TVD6	EET CAL 4	12/14/25 10:45
Total/NA	Analysis	8015B		1	674105	NR	EET CAL 4	12/22/25 17:43

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

**Lab Sample ID: 380-187009-2**

**Date Collected: 12/08/25 11:05**

**Matrix: Drinking Water**

**Date Received: 12/10/25 09:42**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			191694	OTM3	EA POM	12/11/25 08:04
Total/NA	Analysis	525.2		1	192250	Q8LA	EA POM	12/14/25 15:01
Total/NA	Prep	625.1			668516	VAW2	EET CAL 4	12/11/25 12:16
Total/NA	Analysis	625.1		1	676240	PQS1	EET CAL 4	12/29/25 14:01
Total/NA	Prep	625.1			668516	VAW2	EET CAL 4	12/11/25 12:16
Total/NA	Analysis	625.1 SIM		1	675313	PQS1	EET CAL 4	12/26/25 11:02
Total/NA	Analysis	8015B GRO LL		1	673280	YD9V	EET CAL 4	12/20/25 15:11
Total/NA	Prep	3510C			669844	TVD6	EET CAL 4	12/14/25 10:45
Total/NA	Analysis	8015B		1	674105	NR	EET CAL 4	12/22/25 18:05

**Client Sample ID: TB: AIEA GULCH WELLS PUMP 1**

**Lab Sample ID: 380-187009-3**

**Date Collected: 12/08/25 10:43**

**Matrix: Water**

**Date Received: 12/10/25 09:42**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015B GRO LL		1	673280	YD9V	EET CAL 4	12/20/25 19:13

**Client Sample ID: TB: AIEA GULCH WELLS PUMP 2**

**Lab Sample ID: 380-187009-4**

**Date Collected: 12/08/25 11:05**

**Matrix: Water**

**Date Received: 12/10/25 09:42**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015B GRO LL		1	673280	YD9V	EET CAL 4	12/20/25 19:35

**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: 380-187009-1  
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 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	Drinking Water	1-Methylnaphthalene
525.2	525.2	Drinking Water	2,4'-DDD
525.2	525.2	Drinking Water	2,4'-DDE
525.2	525.2	Drinking Water	2,4'-DDT
525.2	525.2	Drinking Water	2,4-Dinitrotoluene
525.2	525.2	Drinking Water	2,6-Dinitrotoluene
525.2	525.2	Drinking Water	2-Methylnaphthalene
525.2	525.2	Drinking Water	4,4'-DDD
525.2	525.2	Drinking Water	4,4'-DDE
525.2	525.2	Drinking Water	4,4' DDT
525.2	525.2	Drinking Water	Acetochlor
525.2	525.2	Drinking Water	alpha-BHC
525.2	525.2	Drinking Water	alpha-Chlordane
525.2	525.2	Drinking Water	beta-BHC
525.2	525.2	Drinking Water	Chlorobenzilate
525.2	525.2	Drinking Water	Chloroneb
525.2	525.2	Drinking Water	Chlorothalonil (Draconil, Bravo)
525.2	525.2	Drinking Water	Chlorpyrifos
525.2	525.2	Drinking Water	delta-BHC
525.2	525.2	Drinking Water	Diclorvos (DDVP)
525.2	525.2	Drinking Water	Endosulfan I (Alpha)
525.2	525.2	Drinking Water	Endosulfan II (Beta)
525.2	525.2	Drinking Water	Endosulfan sulfate
525.2	525.2	Drinking Water	Endrin aldehyde
525.2	525.2	Drinking Water	EPTC
525.2	525.2	Drinking Water	gamma-Chlordane
525.2	525.2	Drinking Water	Isophorone
525.2	525.2	Drinking Water	Malathion
525.2	525.2	Drinking Water	Parathion
525.2	525.2	Drinking Water	Pendimethalin (Penoxaline)
525.2	525.2	Drinking Water	Terbacil
525.2	525.2	Drinking Water	Terbutylazine
525.2	525.2	Drinking Water	Total Permethrin (mixed isomers)
525.2	525.2	Drinking Water	trans-Nonachlor

## Laboratory: Eurofins Calscience

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

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	7296.01	11-30-26
A2LA	ISO/IEC 17025	7296.01	11-30-26
Alaska (UST)	State	25-005	03-02-26
Arizona	State	AZ0830	11-17-26
California	Los Angeles County Sanitation Districts	9257304	07-31-26
California	State	3082	07-31-26

# Accreditation/Certification Summary

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

Job ID: 380-187009-1  
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 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
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	10-11-26

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

# Method Summary

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

Job ID: 380-187009-1  
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 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: 380-187009-1  
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	PWSID Number
380-187009-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Drinking Water	12/08/25 10:43	12/10/25 09:42	HI0000331
380-187009-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Drinking Water	12/08/25 11:05	12/10/25 09:42	HI0000331
380-187009-3	TB: AIEA GULCH WELLS PUMP 1	Water	12/08/25 10:43	12/10/25 09:42	
380-187009-4	TB: AIEA GULCH WELLS PUMP 2	Water	12/08/25 11:05	12/10/25 09:42	

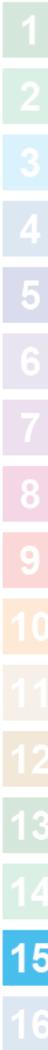
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

**Eurofins Eaton Analytical Pomona**  
 941 Corporate Center Drive  
 Pomona, CA 91768-2642  
 Phone (626) 396-1100

## Chain of Custody Record

**eurofins** | Environmental Testing

<b>Client Information</b> Client Contact: Mr. Kirk Iwamoto Phone: +1 808 748 5840 City & County of Honolulu		Lab PM: Lopez, Maria E-Mail: Maria.Lopez@et.eurofins.com Carrier Tracking No(s): State of Origin:		CCC No: 380-28005-2757 1 Page: Page 1 of 1 Job #:	
Address: 630 South Beretania Street, Chemistry Lab City: Honolulu State, Zip: HI 96843 Phone: 808-748-5840 (Tel) Email: kiwamoto@hbws.org		<b>Analysis Requested</b> Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/> Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/> 825.1, 828.1, 81M 80158_GRO_LL (MOD) GRO 80158_DRO_LL_CS - HNL Ranges, C10-C24/C24-C36/C8-C18 825.2, PREC - (MOD) 825plus Plus TCA 827.1, DW, PREC - 827.1 Full List 833 - All Analytes		Preservation Codes: R - NaTHIOSO4 RA - NaTHIOHCl G - Na2SO3 QA - Na2SO3/HCl Y - Trizma I - NH4 Acetate	
Due Date Requested: TAT Requested (days): Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No PO #: C20525101 exp 05312023 WO #:		Sample Date Requested: Sample Date: 8-Dec-2025 Sample Time: 1043 Sample Type (C=Comp, G=grab): G Matrix (Inorganic, Swab, Organobial, Organometal, Other): Water		Total Number of Containers:	
Project Name: RED-HILLHBWS Sites Event Desc: RUSH Weekly Red Hill Project #: 38001111 SSON#:		Special Instructions/Note: 		Other:	
Site: Hawaii		Sample Date: 8-Dec-2025 Sample Time: 1043 Sample Type: G Matrix: Water		Special Instructions/OC Requirements: Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months	
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		Date: 09 December 2025 1400 Company: HBWS		Date/Time: 12/10/24 942 Company:	
Deliverable Requested: I, II, III, IV, Other (specify)		Date/Time: 09 December 2025 1400 Company: HBWS		Date/Time: 12/10/24 942 Company:	
Empty Kit Relinquished by:		Date/Time:		Date/Time:	



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

SHIP DATE: 09DEC25  
ACTWGT: 57.00 LB  
CAD: 258050552JINET4535

BILL RECIPIENT

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

58HJ4/C22/59F2

**POMONA CA 91768**

(626) 386-1100 REF:

PO:

DEPT:



32540250924014V

WED - 10 DEC 12:00P  
PRIORITY OVERNIGHT

3 of 6

MPS# 8868 9776 1687

0263

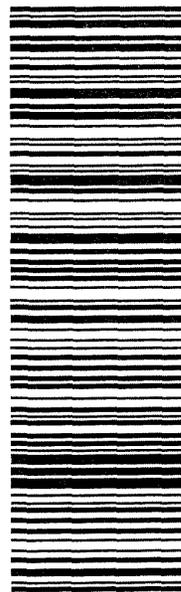
Mst# 8868 9776 1665

0201

91768

**WM ONTA**

CA-US ONT



(626) 270-027 get from  
d... Mark Wraton 12/10/25 042

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

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



## Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-187009-1

SDG Number: Weekly: Aiea Gulch Wells Pump 1/Pump 2

**Login Number: 187009**

**List Source: Eurofins Pomona**

**List Number: 1**

**Creator: Hernandez, Orlando**

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



## Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-187009-1  
SDG Number: Weekly: Aiea Gulch Wells Pump 1/Pump 2

**Login Number: 187009**

**List Number: 2**

**Creator: Khana, Piyush**

**List Source: Eurofins Calscience**

**List Creation: 12/10/25 07:29 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	1.8
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.	False	