

# 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 7/18/2025 11:02:09 PM

## JOB DESCRIPTION

RED-HILL  
Weekly: Ka'amilo Wells Pump 1/Pump 2

## JOB NUMBER

380-158426-1

# Eurofins Eaton Analytical Pomona

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Eaton Analytical, LLC Project Manager.

## Compliance Statement

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

## Authorization



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

Generated  
7/18/2025 11:02:09 PM

# Table of Contents

Cover Page . . . . . 1

Table of Contents . . . . . 3

Definitions/Glossary . . . . . 4

Case Narrative . . . . . 5

Detection Summary . . . . . 6

Client Sample Results . . . . . 7

Action Limit Summary . . . . . 13

Surrogate Summary . . . . . 14

QC Sample Results . . . . . 16

QC Association Summary . . . . . 34

Lab Chronicle . . . . . 36

Certification Summary . . . . . 37

Method Summary . . . . . 39

Sample Summary . . . . . 40

Chain of Custody . . . . . 41

Receipt Checklists . . . . . 43



## Definitions/Glossary

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

Job ID: 380-158426-1  
SDG: Weekly: Ka'amilo Wells Pump 1/Pump 2

### Qualifiers

#### GC/MS Semi VOA

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| *1        | LCS/LCSD RPD exceeds control limits.                                                                           |
| ^3+       | Reporting Limit Check Standard is outside acceptance limits, high biased                                       |
| F1        | MS and/or MSD recovery exceeds control limits.                                                                 |
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

#### GC/MS Semi VOA TICs

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

### Glossary

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

# Case Narrative

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

Job ID: 380-158426-1

**Job ID: 380-158426-1**

**Eurofins Eaton Analytical Pomona**

## **Job Narrative 380-158426-1**

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

### **Receipt**

The samples were received on 7/3/2025 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 3.1°C.

### **GC/MS Semi VOA**

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

### **Gasoline Range Organics**

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

### **Diesel Range Organics**

Method 8015B\_DRO\_LL\_CS: The method reporting limit check (MRL) for preparation batch 570-593672 and analytical batch 570-598242 recovered outside control limits for the following analytes: C10-C28. These analytes were biased high in the MRL and were not detected in the associated samples; therefore, the data have been reported. Method: 8015B\_DRO\_LL\_CS

Method 8015B\_DRO\_LL\_CS: The spiking solution was inadvertently omitted during the extraction process for the laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) associated with preparation batch 570-593672; therefore, percent recoveries are unavailable. Due to expired holding times, the affected samples could not be re-prepared and/or re-analyzed, and the results have been reported. Method: 8015B\_DRO\_LL\_CS. Data excluded due to this QC failure. (XWB4)

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

Eurofins Eaton Analytical Pomona

## Detection Summary

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

Job ID: 380-158426-1  
SDG: Weekly: Ka'amilo Wells Pump 1/Pump 2

### Client Sample ID: Ka'amilo Wells Pump 1

Lab Sample ID: 380-158426-1

| Analyte                       | Result | Qualifier | RL     | Unit | Dil Fac | D | Method | Prep Type |
|-------------------------------|--------|-----------|--------|------|---------|---|--------|-----------|
| Dieldrin                      | 0.071  |           | 0.0098 | ug/L | 1       |   | 525.2  | Total/NA  |
| Heptachlor epoxide (isomer B) | 0.014  |           | 0.0098 | ug/L | 1       |   | 525.2  | Total/NA  |

### Client Sample ID: TB: Ka'amilo Wells Pump 1

Lab Sample ID: 380-158426-2

No Detections.

### Client Sample ID: Ka'amilo Wells Pump 2

Lab Sample ID: 380-158426-3

| Analyte                       | Result | Qualifier | RL     | Unit | Dil Fac | D | Method | Prep Type |
|-------------------------------|--------|-----------|--------|------|---------|---|--------|-----------|
| Dieldrin                      | 0.072  |           | 0.0097 | ug/L | 1       |   | 525.2  | Total/NA  |
| Heptachlor epoxide (isomer B) | 0.016  |           | 0.0097 | ug/L | 1       |   | 525.2  | Total/NA  |

### Client Sample ID: TB: Ka'amilo Wells Pump 2

Lab Sample ID: 380-158426-4

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Eaton Analytical Pomona

# Client Sample Results

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

Job ID: 380-158426-1  
SDG: Weekly: Ka'amilo Wells Pump 1/Pump 2

Client Sample ID: Ka'amilo Wells Pump 1

Lab Sample ID: 380-158426-1

Date Collected: 06/30/25 11:53

Matrix: Water

Date Received: 07/03/25 09:42

## 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 |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| 2,4'-DDD                         | <0.098       |           | 0.098  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| 2,4'-DDE                         | <0.098       |           | 0.098  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| 2,4'-DDT                         | <0.098       |           | 0.098  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| 2,4-Dinitrotoluene               | <0.098       | *1        | 0.098  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| 2,6-Dinitrotoluene               | <0.098       | *1        | 0.098  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| 2-Methylnaphthalene              | <0.098       |           | 0.098  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| 4,4'-DDD                         | <0.098       |           | 0.098  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| 4,4'-DDE                         | <0.098       |           | 0.098  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| 4,4'-DDT                         | <0.098       |           | 0.098  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| Acenaphthene                     | <0.098       |           | 0.098  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| Acenaphthylene                   | <0.098       |           | 0.098  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| Acetochlor                       | <0.098       |           | 0.098  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| Alachlor                         | <0.049       |           | 0.049  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| alpha-BHC                        | <0.098       |           | 0.098  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| alpha-Chlordane                  | <0.049       |           | 0.049  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| Anthracene                       | <0.020       |           | 0.020  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| Atrazine                         | <0.049       |           | 0.049  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| Benz(a)anthracene                | <0.049       |           | 0.049  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| Benzo[a]pyrene                   | <0.020       |           | 0.020  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| Benzo[b]fluoranthene             | <0.020       |           | 0.020  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| Benzo[g,h,i]perylene             | <0.049       |           | 0.049  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| Benzo[k]fluoranthene             | <0.020       |           | 0.020  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| beta-BHC                         | <0.098       |           | 0.098  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| Bis(2-ethylhexyl) phthalate      | <0.59        |           | 0.59   | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| Bromacil                         | <0.098       | *1        | 0.098  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| Butachlor                        | <0.049       |           | 0.049  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| Butylbenzylphthalate             | <0.49        |           | 0.49   | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| Chlorobenzilate                  | <0.098       |           | 0.098  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| Chloroneb                        | <0.098       |           | 0.098  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| Chlorothalonil (Draconil, Bravo) | <0.098       |           | 0.098  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| Chlorpyrifos                     | <0.049       |           | 0.049  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| Chrysene                         | <0.020       |           | 0.020  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| delta-BHC                        | <0.098       |           | 0.098  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| Di(2-ethylhexyl)adipate          | <0.59        |           | 0.59   | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| Dibenz(a,h)anthracene            | <0.049       |           | 0.049  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| Diclorvos (DDVP)                 | <0.049       |           | 0.049  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| <b>Dieldrin</b>                  | <b>0.071</b> |           | 0.0098 | ug/L |   | 07/08/25 13:40 | 07/10/25 10:38 | 1       |
| Diethylphthalate                 | <0.49        |           | 0.49   | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| Dimethylphthalate                | <0.49        |           | 0.49   | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| Di-n-butyl phthalate             | <0.98        |           | 0.98   | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| Di-n-octyl phthalate             | <0.098       |           | 0.098  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| Endosulfan I (Alpha)             | <0.098       |           | 0.098  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| Endosulfan II (Beta)             | <0.098       |           | 0.098  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| Endosulfan sulfate               | <0.098       |           | 0.098  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| Endrin                           | <0.0098      |           | 0.0098 | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| Endrin aldehyde                  | <0.098       |           | 0.098  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| EPTC                             | <0.098       |           | 0.098  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| Fluoranthene                     | <0.098       |           | 0.098  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |

Eurofins Eaton Analytical Pomona

# Client Sample Results

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

Job ID: 380-158426-1  
SDG: Weekly: Ka'amilo Wells Pump 1/Pump 2

Client Sample ID: Ka'amilo Wells Pump 1

Lab Sample ID: 380-158426-1

Date Collected: 06/30/25 11:53

Matrix: Water

Date Received: 07/03/25 09:42

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

| Analyte                          | Result  | Qualifier | RL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------------------------------|---------|-----------|--------|------|---|----------------|----------------|---------|
| Fluorene                         | <0.049  |           | 0.049  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| gamma-Chlordane                  | <0.049  |           | 0.049  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| Heptachlor                       | <0.0098 |           | 0.0098 | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| Heptachlor epoxide (isomer B)    | 0.014   |           | 0.0098 | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| Hexachlorobenzene                | <0.049  |           | 0.049  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| Hexachlorocyclopentadiene        | <0.049  |           | 0.049  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| Indeno[1,2,3-cd]pyrene           | <0.049  |           | 0.049  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| Isophorone                       | <0.098  |           | 0.098  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| Lindane                          | <0.0098 |           | 0.0098 | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| Malathion                        | <0.098  |           | 0.098  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| Methoxychlor                     | <0.049  |           | 0.049  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| Metolachlor                      | <0.049  |           | 0.049  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| Molinate                         | <0.098  |           | 0.098  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| Naphthalene                      | <0.098  |           | 0.098  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| Parathion                        | <0.098  |           | 0.098  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| Pendimethalin (Penoxaline)       | <0.098  |           | 0.098  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| Phenanthrene                     | <0.039  |           | 0.039  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| Propachlor                       | <0.049  |           | 0.049  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| Pyrene                           | <0.049  |           | 0.049  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| Simazine                         | <0.049  |           | 0.049  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| Terbacil                         | <0.098  | *1        | 0.098  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| Terbutylazine                    | <0.098  |           | 0.098  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| Thiobencarb                      | <0.098  |           | 0.098  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| Total Permethrin (mixed isomers) | <0.20   |           | 0.20   | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| trans-Nonachlor                  | <0.049  |           | 0.049  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| Trifluralin                      | <0.098  |           | 0.098  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:30 | 1       |

| Tentatively Identified Compound | Est. Result | Qualifier | Unit | D | RT | CAS No. | Prepared       | Analyzed       | Dil Fac |
|---------------------------------|-------------|-----------|------|---|----|---------|----------------|----------------|---------|
| Tentatively Identified Compound | None        |           | ug/L |   |    | N/A     | 07/08/25 13:40 | 07/09/25 15:30 | 1       |

| Surrogate          | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|--------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2-Nitro-m-xylene   | 92        |           | 70 - 130 | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| 2-Nitro-m-xylene   | 96        |           | 70 - 130 | 07/08/25 13:40 | 07/10/25 10:38 | 1       |
| Perylene-d12       | 96        |           | 70 - 130 | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| Perylene-d12       | 89        |           | 70 - 130 | 07/08/25 13:40 | 07/10/25 10:38 | 1       |
| Triphenylphosphate | 114       |           | 70 - 130 | 07/08/25 13:40 | 07/09/25 15:30 | 1       |
| Triphenylphosphate | 102       |           | 70 - 130 | 07/08/25 13:40 | 07/10/25 10:38 | 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 |   | 07/07/25 05:12 | 07/17/25 00:07 | 1       |
| 2-Methylnaphthalene  | <0.19  |           | 0.19 | ug/L |   | 07/07/25 05:12 | 07/17/25 00:07 | 1       |
| Acenaphthene         | <0.19  |           | 0.19 | ug/L |   | 07/07/25 05:12 | 07/17/25 00:07 | 1       |
| Acenaphthylene       | <0.19  |           | 0.19 | ug/L |   | 07/07/25 05:12 | 07/17/25 00:07 | 1       |
| Anthracene           | <0.19  |           | 0.19 | ug/L |   | 07/07/25 05:12 | 07/17/25 00:07 | 1       |
| Benzo[a]anthracene   | <0.19  |           | 0.19 | ug/L |   | 07/07/25 05:12 | 07/17/25 00:07 | 1       |
| Benzo[a]pyrene       | <0.19  |           | 0.19 | ug/L |   | 07/07/25 05:12 | 07/17/25 00:07 | 1       |
| Benzo[b]fluoranthene | <0.19  |           | 0.19 | ug/L |   | 07/07/25 05:12 | 07/17/25 00:07 | 1       |
| Benzo[g,h,i]perylene | <0.19  |           | 0.19 | ug/L |   | 07/07/25 05:12 | 07/17/25 00:07 | 1       |
| Benzo[k]fluoranthene | <0.19  |           | 0.19 | ug/L |   | 07/07/25 05:12 | 07/17/25 00:07 | 1       |

Eurofins Eaton Analytical Pomona

# Client Sample Results

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

Job ID: 380-158426-1  
SDG: Weekly: Ka'amilo Wells Pump 1/Pump 2

**Client Sample ID: Ka'amilo Wells Pump 1**

**Lab Sample ID: 380-158426-1**

**Date Collected: 06/30/25 11:53**

**Matrix: Water**

**Date Received: 07/03/25 09:42**

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

| Analyte                     | Result    | Qualifier | RL       | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|------|---|----------------|----------------|---------|
| Chrysene                    | <0.19     |           | 0.19     | ug/L |   | 07/07/25 05:12 | 07/17/25 00:07 | 1       |
| Dibenz(a,h)anthracene       | <0.19     |           | 0.19     | ug/L |   | 07/07/25 05:12 | 07/17/25 00:07 | 1       |
| Fluoranthene                | <0.19     |           | 0.19     | ug/L |   | 07/07/25 05:12 | 07/17/25 00:07 | 1       |
| Fluorene                    | <0.19     |           | 0.19     | ug/L |   | 07/07/25 05:12 | 07/17/25 00:07 | 1       |
| Indeno[1,2,3-cd]pyrene      | <0.19     |           | 0.19     | ug/L |   | 07/07/25 05:12 | 07/17/25 00:07 | 1       |
| Naphthalene                 | <0.19     |           | 0.19     | ug/L |   | 07/07/25 05:12 | 07/17/25 00:07 | 1       |
| Phenanthrene                | <0.19     |           | 0.19     | ug/L |   | 07/07/25 05:12 | 07/17/25 00:07 | 1       |
| Pyrene                      | <0.19     |           | 0.19     | ug/L |   | 07/07/25 05:12 | 07/17/25 00:07 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |      |   | Prepared       | Analyzed       | Dil Fac |
| 2,4,6-Tribromophenol (Surr) | 77        |           | 28 - 127 |      |   | 07/07/25 05:12 | 07/17/25 00:07 | 1       |
| 2-Fluorobiphenyl (Surr)     | 73        |           | 31 - 120 |      |   | 07/07/25 05:12 | 07/17/25 00:07 | 1       |
| 2-Fluorophenol (Surr)       | 39        |           | 17 - 120 |      |   | 07/07/25 05:12 | 07/17/25 00:07 | 1       |
| Nitrobenzene-d5 (Surr)      | 66        |           | 27 - 120 |      |   | 07/07/25 05:12 | 07/17/25 00:07 | 1       |
| Phenol-d6 (Surr)            | 24        |           | 10 - 120 |      |   | 07/07/25 05:12 | 07/17/25 00:07 | 1       |
| p-Terphenyl-d14 (Surr)      | 80        |           | 45 - 120 |      |   | 07/07/25 05:12 | 07/17/25 00:07 | 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 |
|--------------------------------------|-------------|-----------|----------|---|------|--------------|----------------|----------------|---------|
| Cyclopentane, 1,2,3,4,5-pentamethyl- | 12          | T J N     | ug/L     |   | 2.79 | 1000152-79-7 | 07/07/25 05:12 | 07/17/25 11:15 | 1       |
| Hexane, 2,3-dimethyl-                | 7.7         | T J N     | ug/L     |   | 2.88 | 584-94-1     | 07/07/25 05:12 | 07/17/25 11:15 | 1       |
| 2-Pentene, 2,4,4-trimethyl-          | 11          | T J N     | ug/L     |   | 3.01 | 107-40-4     | 07/07/25 05:12 | 07/17/25 11:15 | 1       |
| Surrogate                            | %Recovery   | Qualifier | Limits   |   |      |              | Prepared       | Analyzed       | Dil Fac |
| 2,4,6-Tribromophenol (Surr)          | 69          |           | 33 - 139 |   |      |              | 07/07/25 05:12 | 07/17/25 11:15 | 1       |
| 2-Fluorobiphenyl (Surr)              | 74          |           | 33 - 126 |   |      |              | 07/07/25 05:12 | 07/17/25 11:15 | 1       |
| 2-Fluorophenol (Surr)                | 44          |           | 12 - 120 |   |      |              | 07/07/25 05:12 | 07/17/25 11:15 | 1       |
| Nitrobenzene-d5 (Surr)               | 73          |           | 36 - 120 |   |      |              | 07/07/25 05:12 | 07/17/25 11:15 | 1       |
| Phenol-d6 (Surr)                     | 24          |           | 10 - 120 |   |      |              | 07/07/25 05:12 | 07/17/25 11:15 | 1       |
| p-Terphenyl-d14 (Surr)               | 83          |           | 47 - 131 |   |      |              | 07/07/25 05:12 | 07/17/25 11:15 | 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 |   |          | 07/13/25 13:51 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |      |   | Prepared | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 55        |           | 38 - 134 |      |   |          | 07/13/25 13:51 | 1       |

**Client Sample ID: TB: Ka'amilo Wells Pump 1**

**Lab Sample ID: 380-158426-2**

**Date Collected: 06/30/25 11:53**

**Matrix: Water**

**Date Received: 07/03/25 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 |   |          | 07/09/25 17:08 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |      |   | Prepared | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 66        |           | 38 - 134 |      |   |          | 07/09/25 17:08 | 1       |

Eurofins Eaton Analytical Pomona

# Client Sample Results

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

Job ID: 380-158426-1  
SDG: Weekly: Ka'amilo Wells Pump 1/Pump 2

Client Sample ID: Ka'amilo Wells Pump 2

Lab Sample ID: 380-158426-3

Date Collected: 06/30/25 12:28

Matrix: Water

Date Received: 07/03/25 09:42

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

| Analyte                          | Result       | Qualifier | RL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------------------------------|--------------|-----------|--------|------|---|----------------|----------------|---------|
| 1-Methylnaphthalene              | <0.097       |           | 0.097  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| 2,4'-DDD                         | <0.097       |           | 0.097  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| 2,4'-DDE                         | <0.097       |           | 0.097  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| 2,4'-DDT                         | <0.097       |           | 0.097  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| 2,4-Dinitrotoluene               | <0.097       | *1        | 0.097  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| 2,6-Dinitrotoluene               | <0.097       | *1        | 0.097  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| 2-Methylnaphthalene              | <0.097       |           | 0.097  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| 4,4'-DDD                         | <0.097       |           | 0.097  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| 4,4'-DDE                         | <0.097       |           | 0.097  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| 4,4'-DDT                         | <0.097       |           | 0.097  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| Acenaphthene                     | <0.097       |           | 0.097  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| Acenaphthylene                   | <0.097       |           | 0.097  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| Acetochlor                       | <0.097       |           | 0.097  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| Alachlor                         | <0.049       |           | 0.049  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| alpha-BHC                        | <0.097       |           | 0.097  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| alpha-Chlordane                  | <0.049       |           | 0.049  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| Anthracene                       | <0.019       |           | 0.019  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| Atrazine                         | <0.049       |           | 0.049  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| Benz(a)anthracene                | <0.049       |           | 0.049  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| Benzo[a]pyrene                   | <0.019       |           | 0.019  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| Benzo[b]fluoranthene             | <0.019       |           | 0.019  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| Benzo[g,h,i]perylene             | <0.049       |           | 0.049  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| Benzo[k]fluoranthene             | <0.019       |           | 0.019  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| beta-BHC                         | <0.097       |           | 0.097  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| Bis(2-ethylhexyl) phthalate      | <0.58        |           | 0.58   | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| Bromacil                         | <0.097       | *1        | 0.097  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| Butachlor                        | <0.049       |           | 0.049  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| Butylbenzylphthalate             | <0.49        |           | 0.49   | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| Chlorobenzilate                  | <0.097       |           | 0.097  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| Chloroneb                        | <0.097       |           | 0.097  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| Chlorothalonil (Draconil, Bravo) | <0.097       |           | 0.097  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| Chlorpyrifos                     | <0.049       |           | 0.049  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| Chrysene                         | <0.019       |           | 0.019  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| delta-BHC                        | <0.097       |           | 0.097  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| Di(2-ethylhexyl)adipate          | <0.58        |           | 0.58   | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| Dibenz(a,h)anthracene            | <0.049       |           | 0.049  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| Diclorvos (DDVP)                 | <0.049       |           | 0.049  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| <b>Dieldrin</b>                  | <b>0.072</b> |           | 0.0097 | ug/L |   | 07/08/25 13:40 | 07/10/25 10:58 | 1       |
| Diethylphthalate                 | <0.49        |           | 0.49   | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| Dimethylphthalate                | <0.49        |           | 0.49   | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| Di-n-butyl phthalate             | <0.97        |           | 0.97   | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| Di-n-octyl phthalate             | <0.097       |           | 0.097  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| Endosulfan I (Alpha)             | <0.097       |           | 0.097  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| Endosulfan II (Beta)             | <0.097       |           | 0.097  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| Endosulfan sulfate               | <0.097       |           | 0.097  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| Endrin                           | <0.0097      |           | 0.0097 | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| Endrin aldehyde                  | <0.097       |           | 0.097  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| EPTC                             | <0.097       |           | 0.097  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| Fluoranthene                     | <0.097       |           | 0.097  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |

Eurofins Eaton Analytical Pomona

# Client Sample Results

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

Job ID: 380-158426-1  
SDG: Weekly: Ka'amilo Wells Pump 1/Pump 2

Client Sample ID: Ka'amilo Wells Pump 2

Lab Sample ID: 380-158426-3

Date Collected: 06/30/25 12:28

Matrix: Water

Date Received: 07/03/25 09:42

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

| Analyte                          | Result    | Qualifier | RL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------------------------------|-----------|-----------|--------|------|---|----------------|----------------|---------|
| Fluorene                         | <0.049    |           | 0.049  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| gamma-Chlordane                  | <0.049    |           | 0.049  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| Heptachlor                       | <0.0097   |           | 0.0097 | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| Heptachlor epoxide (isomer B)    | 0.016     |           | 0.0097 | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| Hexachlorobenzene                | <0.049    |           | 0.049  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| Hexachlorocyclopentadiene        | <0.049    |           | 0.049  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| Indeno[1,2,3-cd]pyrene           | <0.049    |           | 0.049  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| Isophorone                       | <0.097    |           | 0.097  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| Lindane                          | <0.0097   |           | 0.0097 | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| Malathion                        | <0.097    |           | 0.097  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| Methoxychlor                     | <0.049    |           | 0.049  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| Metolachlor                      | <0.049    |           | 0.049  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| Molinate                         | <0.097    |           | 0.097  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| Naphthalene                      | <0.097    |           | 0.097  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| Parathion                        | <0.097    |           | 0.097  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| Pendimethalin (Penoxaline)       | <0.097    |           | 0.097  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| Phenanthrene                     | <0.039    |           | 0.039  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| Propachlor                       | <0.049    |           | 0.049  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| Pyrene                           | <0.049    |           | 0.049  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| Simazine                         | <0.049    |           | 0.049  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| Terbacil                         | <0.097 *1 |           | 0.097  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| Terbutylazine                    | <0.097    |           | 0.097  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| Thiobencarb                      | <0.097    |           | 0.097  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| Total Permethrin (mixed isomers) | <0.19     |           | 0.19   | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| trans-Nonachlor                  | <0.049    |           | 0.049  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| Trifluralin                      | <0.097    |           | 0.097  | ug/L |   | 07/08/25 13:40 | 07/09/25 15:51 | 1       |

| Tentatively Identified Compound | Est. Result | Qualifier | Unit | D | RT | CAS No. | Prepared       | Analyzed       | Dil Fac |
|---------------------------------|-------------|-----------|------|---|----|---------|----------------|----------------|---------|
| Tentatively Identified Compound | None        |           | ug/L |   |    | N/A     | 07/08/25 13:40 | 07/09/25 15:51 | 1       |

| Surrogate          | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|--------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2-Nitro-m-xylene   | 93        |           | 70 - 130 | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| 2-Nitro-m-xylene   | 96        |           | 70 - 130 | 07/08/25 13:40 | 07/10/25 10:58 | 1       |
| Perylene-d12       | 94        |           | 70 - 130 | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| Perylene-d12       | 90        |           | 70 - 130 | 07/08/25 13:40 | 07/10/25 10:58 | 1       |
| Triphenylphosphate | 111       |           | 70 - 130 | 07/08/25 13:40 | 07/09/25 15:51 | 1       |
| Triphenylphosphate | 100       |           | 70 - 130 | 07/08/25 13:40 | 07/10/25 10:58 | 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 |   | 07/07/25 05:12 | 07/17/25 00:29 | 1       |
| 2-Methylnaphthalene  | <0.19  |           | 0.19 | ug/L |   | 07/07/25 05:12 | 07/17/25 00:29 | 1       |
| Acenaphthene         | <0.19  |           | 0.19 | ug/L |   | 07/07/25 05:12 | 07/17/25 00:29 | 1       |
| Acenaphthylene       | <0.19  |           | 0.19 | ug/L |   | 07/07/25 05:12 | 07/17/25 00:29 | 1       |
| Anthracene           | <0.19  |           | 0.19 | ug/L |   | 07/07/25 05:12 | 07/17/25 00:29 | 1       |
| Benzo[a]anthracene   | <0.19  |           | 0.19 | ug/L |   | 07/07/25 05:12 | 07/17/25 00:29 | 1       |
| Benzo[a]pyrene       | <0.19  |           | 0.19 | ug/L |   | 07/07/25 05:12 | 07/17/25 00:29 | 1       |
| Benzo[b]fluoranthene | <0.19  |           | 0.19 | ug/L |   | 07/07/25 05:12 | 07/17/25 00:29 | 1       |
| Benzo[g,h,i]perylene | <0.19  |           | 0.19 | ug/L |   | 07/07/25 05:12 | 07/17/25 00:29 | 1       |
| Benzo[k]fluoranthene | <0.19  |           | 0.19 | ug/L |   | 07/07/25 05:12 | 07/17/25 00:29 | 1       |

Eurofins Eaton Analytical Pomona

# Client Sample Results

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

Job ID: 380-158426-1  
SDG: Weekly: Ka'amilo Wells Pump 1/Pump 2

Client Sample ID: Ka'amilo Wells Pump 2

Lab Sample ID: 380-158426-3

Date Collected: 06/30/25 12:28

Matrix: Water

Date Received: 07/03/25 09:42

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

| Analyte                | Result | Qualifier | RL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|--------|-----------|------|------|---|----------------|----------------|---------|
| Chrysene               | <0.19  |           | 0.19 | ug/L |   | 07/07/25 05:12 | 07/17/25 00:29 | 1       |
| Dibenz(a,h)anthracene  | <0.19  |           | 0.19 | ug/L |   | 07/07/25 05:12 | 07/17/25 00:29 | 1       |
| Fluoranthene           | <0.19  |           | 0.19 | ug/L |   | 07/07/25 05:12 | 07/17/25 00:29 | 1       |
| Fluorene               | <0.19  |           | 0.19 | ug/L |   | 07/07/25 05:12 | 07/17/25 00:29 | 1       |
| Indeno[1,2,3-cd]pyrene | <0.19  |           | 0.19 | ug/L |   | 07/07/25 05:12 | 07/17/25 00:29 | 1       |
| Naphthalene            | <0.19  |           | 0.19 | ug/L |   | 07/07/25 05:12 | 07/17/25 00:29 | 1       |
| Phenanthrene           | <0.19  |           | 0.19 | ug/L |   | 07/07/25 05:12 | 07/17/25 00:29 | 1       |
| Pyrene                 | <0.19  |           | 0.19 | ug/L |   | 07/07/25 05:12 | 07/17/25 00:29 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol (Surr) | 89        |           | 28 - 127 | 07/07/25 05:12 | 07/17/25 00:29 | 1       |
| 2-Fluorobiphenyl (Surr)     | 87        |           | 31 - 120 | 07/07/25 05:12 | 07/17/25 00:29 | 1       |
| 2-Fluorophenol (Surr)       | 51        |           | 17 - 120 | 07/07/25 05:12 | 07/17/25 00:29 | 1       |
| Nitrobenzene-d5 (Surr)      | 86        |           | 27 - 120 | 07/07/25 05:12 | 07/17/25 00:29 | 1       |
| Phenol-d6 (Surr)            | 30        |           | 10 - 120 | 07/07/25 05:12 | 07/17/25 00:29 | 1       |
| p-Terphenyl-d14 (Surr)      | 87        |           | 45 - 120 | 07/07/25 05:12 | 07/17/25 00:29 | 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 |
|------------------------------------|-------------|-----------|------|---|------|------------|----------------|----------------|---------|
| Hexane, 3-methyl-4-methylene-      | 6.7         | T J N     | ug/L |   | 2.56 | 3404-67-9  | 07/07/25 05:12 | 07/17/25 11:39 | 1       |
| Cyclohexane, (1,1-dimethylpropyl)- | 11          | T J N     | ug/L |   | 2.88 | 31797-64-5 | 07/07/25 05:12 | 07/17/25 11:39 | 1       |
| 2-Pentene, 2,4,4-trimethyl-        | 13          | T J N     | ug/L |   | 3.01 | 107-40-4   | 07/07/25 05:12 | 07/17/25 11:39 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol (Surr) | 81        |           | 33 - 139 | 07/07/25 05:12 | 07/17/25 11:39 | 1       |
| 2-Fluorobiphenyl (Surr)     | 87        |           | 33 - 126 | 07/07/25 05:12 | 07/17/25 11:39 | 1       |
| 2-Fluorophenol (Surr)       | 52        |           | 12 - 120 | 07/07/25 05:12 | 07/17/25 11:39 | 1       |
| Nitrobenzene-d5 (Surr)      | 91        |           | 36 - 120 | 07/07/25 05:12 | 07/17/25 11:39 | 1       |
| Phenol-d6 (Surr)            | 31        |           | 10 - 120 | 07/07/25 05:12 | 07/17/25 11:39 | 1       |
| p-Terphenyl-d14 (Surr)      | 91        |           | 47 - 131 | 07/07/25 05:12 | 07/17/25 11:39 | 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 |   |          | 07/13/25 14:14 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 68        |           | 38 - 134 |          | 07/13/25 14:14 | 1       |

Client Sample ID: TB: Ka'amilo Wells Pump 2

Lab Sample ID: 380-158426-4

Date Collected: 06/30/25 12:28

Matrix: Water

Date Received: 07/03/25 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 |   |          | 07/09/25 17:30 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 66        |           | 38 - 134 |          | 07/09/25 17:30 | 1       |

Eurofins Eaton Analytical Pomona

# Action Limit Summary

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

Job ID: 380-158426-1  
SDG: Weekly: Ka'amilo Wells Pump 1/Pump 2

## Client Sample ID: Ka'amilo Wells Pump 1

Lab Sample ID: 380-158426-1

### 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) | 0.014   |           | ug/L | 0.2    | 0.0098 | 525.2     | Total/NA  |
| Hexachlorobenzene             | <0.049  |           | ug/L | 1      | 0.049  | 525.2     | Total/NA  |
| Hexachlorocyclopentadiene     | <0.049  |           | ug/L | 50     | 0.049  | 525.2     | Total/NA  |
| Lindane                       | <0.0098 |           | ug/L | 0.2    | 0.0098 | 525.2     | Total/NA  |
| Methoxychlor                  | <0.049  |           | ug/L | 40     | 0.049  | 525.2     | Total/NA  |
| Simazine                      | <0.049  |           | ug/L | 4      | 0.049  | 525.2     | Total/NA  |
| Benzo[a]pyrene                | <0.19   |           | ug/L | 0.2    | 0.19   | 625.1 SIM | Total/NA  |

## Client Sample ID: Ka'amilo Wells Pump 2

Lab Sample ID: 380-158426-3

### Compliance Check

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

| Analyte                       | Result  | Qualifier | Unit | EPAMCL | RL     | Method    | Prep Type |
|-------------------------------|---------|-----------|------|--------|--------|-----------|-----------|
|                               |         |           |      | Limit  |        |           |           |
| Alachlor                      | <0.049  |           | ug/L | 2      | 0.049  | 525.2     | Total/NA  |
| Atrazine                      | <0.049  |           | ug/L | 3      | 0.049  | 525.2     | Total/NA  |
| Benzo[a]pyrene                | <0.019  |           | ug/L | 0.2    | 0.019  | 525.2     | Total/NA  |
| Bis(2-ethylhexyl) phthalate   | <0.58   |           | ug/L | 6      | 0.58   | 525.2     | Total/NA  |
| Di(2-ethylhexyl)adipate       | <0.58   |           | ug/L | 400    | 0.58   | 525.2     | Total/NA  |
| Endrin                        | <0.0097 |           | ug/L | 2      | 0.0097 | 525.2     | Total/NA  |
| Heptachlor                    | <0.0097 |           | ug/L | 0.4    | 0.0097 | 525.2     | Total/NA  |
| Heptachlor epoxide (isomer B) | 0.016   |           | ug/L | 0.2    | 0.0097 | 525.2     | Total/NA  |
| Hexachlorobenzene             | <0.049  |           | ug/L | 1      | 0.049  | 525.2     | Total/NA  |
| Hexachlorocyclopentadiene     | <0.049  |           | ug/L | 50     | 0.049  | 525.2     | Total/NA  |
| Lindane                       | <0.0097 |           | ug/L | 0.2    | 0.0097 | 525.2     | Total/NA  |
| Methoxychlor                  | <0.049  |           | ug/L | 40     | 0.049  | 525.2     | Total/NA  |
| Simazine                      | <0.049  |           | ug/L | 4      | 0.049  | 525.2     | Total/NA  |
| Benzo[a]pyrene                | <0.19   |           | ug/L | 0.2    | 0.19   | 625.1 SIM | Total/NA  |

# Surrogate Summary

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

Job ID: 380-158426-1  
SDG: Weekly: Ka'amilo Wells Pump 1/Pump 2

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

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID        | Client Sample ID       | Percent Surrogate Recovery (Acceptance Limits) |                 |                 |
|----------------------|------------------------|------------------------------------------------|-----------------|-----------------|
|                      |                        | 2NMX<br>(70-130)                               | PRY<br>(70-130) | TPP<br>(70-130) |
| 380-158426-1         | Ka'amilo Wells Pump 1  | 92                                             | 96              | 114             |
| 380-158426-1         | Ka'amilo Wells Pump 1  | 96                                             | 89              | 102             |
| 380-158426-3         | Ka'amilo Wells Pump 2  | 93                                             | 94              | 111             |
| 380-158426-3         | Ka'amilo Wells Pump 2  | 96                                             | 90              | 100             |
| 380-158427-R-1-A MS  | Matrix Spike           | 91                                             | 97              | 115             |
| 380-158427-S-1-A MSD | Matrix Spike Duplicate | 95                                             | 94              | 118             |
| LCS 380-161526/23-A  | Lab Control Sample     | 90                                             | 100             | 118             |
| LCSD 380-161526/24-A | Lab Control Sample Dup | 93                                             | 99              | 113             |
| MB 380-161526/21-A   | Method Blank           | 90                                             | 91              | 120             |
| MRL 380-161526/22-A  | Lab Control Sample     | 93                                             | 97              | 115             |
| MRL 380-161526/22-A  | Lab Control Sample     | 97                                             | 91              | 103             |

### Surrogate Legend

2NMX = 2-Nitro-m-xylene

PRY = Perylene-d12

TPP = Triphenylphosphate

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

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID     | Client Sample ID      | Percent Surrogate Recovery (Acceptance Limits) |                 |                 |                 |                  |                    |
|-------------------|-----------------------|------------------------------------------------|-----------------|-----------------|-----------------|------------------|--------------------|
|                   |                       | TBP<br>(33-139)                                | FBP<br>(33-126) | 2FP<br>(12-120) | NBZ<br>(36-120) | PHL6<br>(10-120) | TPHd14<br>(47-131) |
| 380-158426-1      | Ka'amilo Wells Pump 1 | 69                                             | 74              | 44              | 73              | 24               | 83                 |
| 380-158426-3      | Ka'amilo Wells Pump 2 | 81                                             | 87              | 52              | 91              | 31               | 91                 |
| MB 570-593529/1-A | Method Blank          | 72                                             | 72              | 45              | 74              | 27               | 77                 |

### Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)

FBP = 2-Fluorobiphenyl (Surr)

2FP = 2-Fluorophenol (Surr)

NBZ = Nitrobenzene-d5 (Surr)

PHL6 = Phenol-d6 (Surr)

TPHd14 = p-Terphenyl-d14 (Surr)

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

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID        | Client Sample ID       | Percent Surrogate Recovery (Acceptance Limits) |                 |                 |                 |                  |                    |
|----------------------|------------------------|------------------------------------------------|-----------------|-----------------|-----------------|------------------|--------------------|
|                      |                        | TBP<br>(28-127)                                | FBP<br>(31-120) | 2FP<br>(17-120) | NBZ<br>(27-120) | PHL6<br>(10-120) | TPHd14<br>(45-120) |
| 380-158426-1         | Ka'amilo Wells Pump 1  | 77                                             | 73              | 39              | 66              | 24               | 80                 |
| 380-158426-3         | Ka'amilo Wells Pump 2  | 89                                             | 87              | 51              | 86              | 30               | 87                 |
| 570-237041-A-2-A MS  | Matrix Spike           | 77                                             | 74              | 37              | 61              | 23               | 72                 |
| 570-237041-B-2-A MSD | Matrix Spike Duplicate | 81                                             | 79              | 42              | 65              | 25               | 75                 |
| LCS 570-593529/2-A   | Lab Control Sample     | 89                                             | 86              | 53              | 74              | 35               | 88                 |
| LCSD 570-593529/3-A  | Lab Control Sample Dup | 89                                             | 89              | 57              | 76              | 37               | 91                 |
| MB 570-593529/1-A    | Method Blank           | 71                                             | 70              | 39              | 73              | 24               | 76                 |

### Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)

FBP = 2-Fluorobiphenyl (Surr)

Eurofins Eaton Analytical Pomona

# Surrogate Summary

Client: City & County of Honolulu

Project/Site: RED-HILL

2FP = 2-Fluorophenol (Surr)

NBZ = Nitrobenzene-d5 (Surr)

PHL6 = Phenol-d6 (Surr)

TPHd14 = p-Terphenyl-d14 (Surr)

Job ID: 380-158426-1

SDG: Weekly: Ka'amilo 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<br>(38-134) |
|--------------------|---------------------------|------------------|
| 380-158426-1       | Ka'amilo Wells Pump 1     | 55               |
| 380-158426-2       | TB: Ka'amilo Wells Pump 1 | 66               |
| 380-158426-3       | Ka'amilo Wells Pump 2     | 68               |
| 380-158426-4       | TB: Ka'amilo Wells Pump 2 | 66               |
| 380-158440-C-1 MS  | Matrix Spike              | 86               |
| 380-158440-C-1 MSD | Matrix Spike Duplicate    | 85               |
| 570-236577-C-1 MS  | Matrix Spike              | 87               |
| 570-236577-F-1 MSD | Matrix Spike Duplicate    | 87               |
| LCS 570-594825/5   | Lab Control Sample        | 81               |
| LCS 570-596498/4   | Lab Control Sample        | 78               |
| LCSD 570-594825/6  | Lab Control Sample Dup    | 87               |
| LCSD 570-596498/5  | Lab Control Sample Dup    | 83               |
| MB 570-594825/7    | Method Blank              | 62               |
| MB 570-596498/6    | Method Blank              | 66               |
| MRL 570-594825/4   | Lab Control Sample        | 68               |
| MRL 570-596498/3   | Lab Control Sample        | 66               |

### Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

# QC Sample Results

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

Job ID: 380-158426-1  
SDG: Weekly: Ka'amilo Wells Pump 1/Pump 2

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

Lab Sample ID: MB 380-161526/21-A

Matrix: Water

Analysis Batch: 161686

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 161526

| Analyte                          | MB Result | MB Qualifier | RL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------------------------------|-----------|--------------|--------|------|---|----------------|----------------|---------|
| 1-Methylnaphthalene              | <0.099    |              | 0.099  | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| 2,4'-DDD                         | <0.099    |              | 0.099  | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| 2,4'-DDE                         | <0.099    |              | 0.099  | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| 2,4'-DDT                         | <0.099    |              | 0.099  | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| 2,4-Dinitrotoluene               | <0.099    |              | 0.099  | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| 2,6-Dinitrotoluene               | <0.099    |              | 0.099  | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| 2-Methylnaphthalene              | <0.099    |              | 0.099  | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| 4,4'-DDD                         | <0.099    |              | 0.099  | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| 4,4'-DDE                         | <0.099    |              | 0.099  | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| 4,4'-DDT                         | <0.099    |              | 0.099  | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| Acenaphthene                     | <0.099    |              | 0.099  | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| Acenaphthylene                   | <0.099    |              | 0.099  | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| Acetochlor                       | <0.099    |              | 0.099  | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| Alachlor                         | <0.050    |              | 0.050  | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| alpha-BHC                        | <0.099    |              | 0.099  | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| alpha-Chlordane                  | <0.050    |              | 0.050  | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| Anthracene                       | <0.020    |              | 0.020  | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| Atrazine                         | <0.050    |              | 0.050  | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| Benz(a)anthracene                | <0.050    |              | 0.050  | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| Benzo[a]pyrene                   | <0.020    |              | 0.020  | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| Benzo[b]fluoranthene             | <0.020    |              | 0.020  | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| Benzo[g,h,i]perylene             | <0.050    |              | 0.050  | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| Benzo[k]fluoranthene             | <0.020    |              | 0.020  | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| beta-BHC                         | <0.099    |              | 0.099  | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| Bis(2-ethylhexyl) phthalate      | <0.60     |              | 0.60   | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| Bromacil                         | <0.099    |              | 0.099  | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| Butachlor                        | <0.050    |              | 0.050  | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| Butylbenzylphthalate             | <0.50     |              | 0.50   | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| Chlorobenzilate                  | <0.099    |              | 0.099  | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| Chloroneb                        | <0.099    |              | 0.099  | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| Chlorothalonil (Draconil, Bravo) | <0.099    |              | 0.099  | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| Chlorpyrifos                     | <0.050    |              | 0.050  | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| Chrysene                         | <0.020    |              | 0.020  | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| delta-BHC                        | <0.099    |              | 0.099  | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| Di(2-ethylhexyl)adipate          | <0.60     |              | 0.60   | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| Dibenz(a,h)anthracene            | <0.050    |              | 0.050  | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| Diclorvos (DDVP)                 | <0.050    |              | 0.050  | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| Dieldrin                         | <0.0099   | ^3+          | 0.0099 | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| Diethylphthalate                 | <0.50     |              | 0.50   | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| Dimethylphthalate                | <0.50     |              | 0.50   | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| Di-n-butyl phthalate             | <0.99     |              | 0.99   | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| Di-n-octyl phthalate             | <0.099    |              | 0.099  | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| Endosulfan I (Alpha)             | <0.099    |              | 0.099  | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| Endosulfan II (Beta)             | <0.099    |              | 0.099  | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| Endosulfan sulfate               | <0.099    |              | 0.099  | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| Endrin                           | <0.0099   |              | 0.0099 | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| Endrin aldehyde                  | <0.099    |              | 0.099  | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| EPTC                             | <0.099    |              | 0.099  | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |

Eurofins Eaton Analytical Pomona

# QC Sample Results

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

Job ID: 380-158426-1  
SDG: Weekly: Ka'amilo Wells Pump 1/Pump 2

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

Lab Sample ID: MB 380-161526/21-A

Matrix: Water

Analysis Batch: 161686

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 161526

| Analyte                          | MB Result | MB Qualifier | RL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------------------------------|-----------|--------------|--------|------|---|----------------|----------------|---------|
| Fluoranthene                     | <0.099    |              | 0.099  | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| Fluorene                         | <0.050    |              | 0.050  | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| gamma-Chlordane                  | <0.050    |              | 0.050  | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| Heptachlor                       | <0.0099   |              | 0.0099 | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| Heptachlor epoxide (isomer B)    | <0.0099   |              | 0.0099 | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| Hexachlorobenzene                | <0.050    |              | 0.050  | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| Hexachlorocyclopentadiene        | <0.050    |              | 0.050  | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| Indeno[1,2,3-cd]pyrene           | <0.050    |              | 0.050  | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| Isophorone                       | <0.099    |              | 0.099  | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| Lindane                          | <0.0099   |              | 0.0099 | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| Malathion                        | <0.099    |              | 0.099  | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| Methoxychlor                     | <0.050    |              | 0.050  | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| Metolachlor                      | <0.050    |              | 0.050  | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| Molinate                         | <0.099    |              | 0.099  | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| Naphthalene                      | <0.099    |              | 0.099  | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| Parathion                        | <0.099    |              | 0.099  | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| Pendimethalin (Penoxaline)       | <0.099    |              | 0.099  | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| Phenanthrene                     | <0.040    |              | 0.040  | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| Propachlor                       | <0.050    |              | 0.050  | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| Pyrene                           | <0.050    |              | 0.050  | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| Simazine                         | <0.050    |              | 0.050  | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| Terbacil                         | <0.099    |              | 0.099  | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| Terbutylazine                    | <0.099    |              | 0.099  | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| Thiobencarb                      | <0.099    |              | 0.099  | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| Total Permethrin (mixed isomers) | <0.20     |              | 0.20   | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| trans-Nonachlor                  | <0.050    |              | 0.050  | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| Trifluralin                      | <0.099    |              | 0.099  | ug/L |   | 07/08/25 13:40 | 07/09/25 11:44 | 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- | 0.826          | T J N        | ug/L |   | 2.52  | 1000154-28-6 | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| Decane                               | 2.61           | T J N        | ug/L |   | 2.77  | 124-18-5     | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| Cyclohexasiloxane, dodecamethyl-     | 0.859          | T J N        | ug/L |   | 3.87  | 540-97-6     | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| 9-Octadecenamide, (Z)-               | 1.63           | T J N        | ug/L |   | 7.90  | 301-02-0     | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| 13-Docosenamide, (Z)-                | 1.11           | T J N        | ug/L |   | 10.45 | 112-84-5     | 07/08/25 13:40 | 07/09/25 11:44 | 1       |

| Surrogate          | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|--------------------|--------------|--------------|----------|----------------|----------------|---------|
| 2-Nitro-m-xylene   | 90           |              | 70 - 130 | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| Perylene-d12       | 91           |              | 70 - 130 | 07/08/25 13:40 | 07/09/25 11:44 | 1       |
| Triphenylphosphate | 120          |              | 70 - 130 | 07/08/25 13:40 | 07/09/25 11:44 | 1       |

Lab Sample ID: LCS 380-161526/23-A

Matrix: Water

Analysis Batch: 161686

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 161526

| Analyte             | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------|-------------|------------|---------------|------|---|------|-------------|
| 1-Methylnaphthalene | 1.99        | 1.87       |               | ug/L |   | 94   | 70 - 130    |
| 2,4'-DDD            | 1.99        | 2.32       |               | ug/L |   | 117  | 70 - 130    |

Eurofins Eaton Analytical Pomona

# QC Sample Results

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

Job ID: 380-158426-1  
SDG: Weekly: Ka'amilo Wells Pump 1/Pump 2

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

Lab Sample ID: LCS 380-161526/23-A

Matrix: Water

Analysis Batch: 161686

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 161526

| Analyte                          | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------------------------------|-------------|------------|---------------|------|---|------|-------------|
| 2,4'-DDE                         | 1.99        | 2.15       |               | ug/L |   | 108  | 70 - 130    |
| 2,4'-DDT                         | 1.99        | 2.16       |               | ug/L |   | 108  | 70 - 130    |
| 2,4-Dinitrotoluene               | 1.99        | 1.71       |               | ug/L |   | 86   | 70 - 130    |
| 2,6-Dinitrotoluene               | 1.99        | 1.46       |               | ug/L |   | 73   | 70 - 130    |
| 2-Methylnaphthalene              | 1.99        | 1.90       |               | ug/L |   | 95   | 70 - 130    |
| 4,4'-DDD                         | 1.99        | 2.29       |               | ug/L |   | 115  | 70 - 130    |
| 4,4'-DDE                         | 1.99        | 2.29       |               | ug/L |   | 115  | 70 - 130    |
| 4,4'-DDT                         | 1.99        | 2.13       |               | ug/L |   | 107  | 70 - 130    |
| Acenaphthene                     | 1.99        | 1.88       |               | ug/L |   | 95   | 70 - 130    |
| Acenaphthylene                   | 1.99        | 2.00       |               | ug/L |   | 100  | 70 - 130    |
| Acetochlor                       | 1.99        | 2.09       |               | ug/L |   | 105  | 70 - 130    |
| Alachlor                         | 1.99        | 2.11       |               | ug/L |   | 106  | 70 - 130    |
| alpha-BHC                        | 1.99        | 1.98       |               | ug/L |   | 99   | 70 - 130    |
| alpha-Chlordane                  | 1.99        | 2.42       |               | ug/L |   | 122  | 70 - 130    |
| Anthracene                       | 1.99        | 1.99       |               | ug/L |   | 100  | 70 - 130    |
| Atrazine                         | 1.99        | 2.14       |               | ug/L |   | 107  | 70 - 130    |
| Benz(a)anthracene                | 1.99        | 2.18       |               | ug/L |   | 110  | 70 - 130    |
| Benzo[a]pyrene                   | 1.99        | 2.20       |               | ug/L |   | 110  | 70 - 130    |
| Benzo[b]fluoranthene             | 1.99        | 2.18       |               | ug/L |   | 109  | 70 - 130    |
| Benzo[g,h,i]perylene             | 1.99        | 1.95       |               | ug/L |   | 98   | 70 - 130    |
| Benzo[k]fluoranthene             | 1.99        | 2.17       |               | ug/L |   | 109  | 70 - 130    |
| beta-BHC                         | 1.99        | 1.97       |               | ug/L |   | 99   | 70 - 130    |
| Bis(2-ethylhexyl) phthalate      | 1.99        | 1.89       |               | ug/L |   | 95   | 70 - 130    |
| Bromacil                         | 1.99        | 1.64       |               | ug/L |   | 82   | 70 - 130    |
| Butachlor                        | 1.99        | 2.09       |               | ug/L |   | 105  | 70 - 130    |
| Butylbenzylphthalate             | 1.99        | 2.07       |               | ug/L |   | 104  | 70 - 130    |
| Chlorobenzilate                  | 1.99        | 1.92       |               | ug/L |   | 96   | 70 - 130    |
| Chloroneb                        | 1.99        | 1.96       |               | ug/L |   | 98   | 70 - 130    |
| Chlorothalonil (Draconil, Bravo) | 1.99        | 2.27       |               | ug/L |   | 114  | 70 - 130    |
| Chlorpyrifos                     | 1.99        | 2.20       |               | ug/L |   | 111  | 70 - 130    |
| Chrysene                         | 1.99        | 1.96       |               | ug/L |   | 98   | 70 - 130    |
| delta-BHC                        | 1.99        | 1.84       |               | ug/L |   | 92   | 70 - 130    |
| Di(2-ethylhexyl)adipate          | 1.99        | 2.09       |               | ug/L |   | 105  | 70 - 130    |
| Dibenz(a,h)anthracene            | 1.99        | 2.01       |               | ug/L |   | 101  | 70 - 130    |
| Diclorvos (DDVP)                 | 1.99        | 1.69       |               | ug/L |   | 85   | 70 - 130    |
| Dieldrin                         | 1.99        | 2.05       |               | ug/L |   | 103  | 70 - 130    |
| Diethylphthalate                 | 1.99        | 2.09       |               | ug/L |   | 105  | 70 - 130    |
| Dimethylphthalate                | 1.99        | 1.88       |               | ug/L |   | 94   | 70 - 130    |
| Di-n-butyl phthalate             | 3.98        | 4.80       |               | ug/L |   | 120  | 70 - 130    |
| Di-n-octyl phthalate             | 1.99        | 2.06       |               | ug/L |   | 104  | 70 - 130    |
| Endosulfan I (Alpha)             | 1.99        | 1.93       |               | ug/L |   | 97   | 70 - 130    |
| Endosulfan II (Beta)             | 1.99        | 1.95       |               | ug/L |   | 98   | 70 - 130    |
| Endosulfan sulfate               | 1.99        | 2.00       |               | ug/L |   | 101  | 70 - 130    |
| Endrin                           | 1.99        | 2.36       |               | ug/L |   | 119  | 70 - 130    |
| Endrin aldehyde                  | 1.99        | 2.33       |               | ug/L |   | 117  | 60 - 130    |
| EPTC                             | 1.99        | 2.01       |               | ug/L |   | 101  | 70 - 130    |
| Fluoranthene                     | 1.99        | 2.22       |               | ug/L |   | 111  | 70 - 130    |
| Fluorene                         | 1.99        | 2.05       |               | ug/L |   | 103  | 70 - 130    |
| gamma-Chlordane                  | 1.99        | 2.35       |               | ug/L |   | 118  | 70 - 130    |

Eurofins Eaton Analytical Pomona

# QC Sample Results

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

Job ID: 380-158426-1  
SDG: Weekly: Ka'amilo Wells Pump 1/Pump 2

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

Lab Sample ID: LCS 380-161526/23-A

Matrix: Water

Analysis Batch: 161686

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 161526

| Analyte                       | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-------------------------------|-------------|------------|---------------|------|---|------|-------------|
| Heptachlor                    | 1.99        | 2.34       |               | ug/L |   | 118  | 70 - 130    |
| Heptachlor epoxide (isomer B) | 1.99        | 2.32       |               | ug/L |   | 116  | 70 - 130    |
| Hexachlorobenzene             | 1.99        | 2.13       |               | ug/L |   | 107  | 70 - 130    |
| Hexachlorocyclopentadiene     | 1.99        | 2.43       |               | ug/L |   | 122  | 70 - 130    |
| Indeno[1,2,3-cd]pyrene        | 1.99        | 2.30       |               | ug/L |   | 115  | 70 - 130    |
| Isophorone                    | 1.99        | 1.90       |               | ug/L |   | 96   | 70 - 130    |
| Lindane                       | 1.99        | 2.12       |               | ug/L |   | 106  | 70 - 130    |
| Malathion                     | 1.99        | 2.17       |               | ug/L |   | 109  | 70 - 130    |
| Methoxychlor                  | 1.99        | 2.21       |               | ug/L |   | 111  | 70 - 130    |
| Metolachlor                   | 1.99        | 2.19       |               | ug/L |   | 110  | 70 - 130    |
| Molinate                      | 1.99        | 2.03       |               | ug/L |   | 102  | 70 - 130    |
| Naphthalene                   | 1.99        | 1.86       |               | ug/L |   | 93   | 70 - 130    |
| Parathion                     | 1.99        | 1.94       |               | ug/L |   | 97   | 70 - 130    |
| Pendimethalin (Penoxaline)    | 1.99        | 2.44       |               | ug/L |   | 122  | 70 - 130    |
| Phenanthrene                  | 1.99        | 1.89       |               | ug/L |   | 95   | 70 - 130    |
| Propachlor                    | 1.99        | 2.00       |               | ug/L |   | 101  | 70 - 130    |
| Pyrene                        | 1.99        | 2.25       |               | ug/L |   | 113  | 70 - 130    |
| Simazine                      | 1.99        | 1.83       |               | ug/L |   | 92   | 70 - 130    |
| Terbacil                      | 1.99        | 1.60       |               | ug/L |   | 80   | 70 - 130    |
| Terbutylazine                 | 1.99        | 2.17       |               | ug/L |   | 109  | 70 - 130    |
| Thiobencarb                   | 1.99        | 2.13       |               | ug/L |   | 107  | 70 - 130    |
| trans-Nonachlor               | 1.99        | 2.51       |               | ug/L |   | 126  | 70 - 130    |
| Trifluralin                   | 1.99        | 2.34       |               | ug/L |   | 118  | 70 - 130    |

| Surrogate          | LCS %Recovery | LCS Qualifier | Limits   |
|--------------------|---------------|---------------|----------|
| 2-Nitro-m-xylene   | 90            |               | 70 - 130 |
| Perylene-d12       | 100           |               | 70 - 130 |
| Triphenylphosphate | 118           |               | 70 - 130 |

Lab Sample ID: LCSD 380-161526/24-A

Matrix: Water

Analysis Batch: 161686

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 161526

| Analyte             | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| 1-Methylnaphthalene | 1.98        | 1.90        |                | ug/L |   | 96   | 70 - 130    | 2   | 20        |
| 2,4'-DDD            | 1.98        | 2.22        |                | ug/L |   | 112  | 70 - 130    | 4   | 20        |
| 2,4'-DDE            | 1.98        | 2.06        |                | ug/L |   | 104  | 70 - 130    | 4   | 20        |
| 2,4'-DDT            | 1.98        | 2.07        |                | ug/L |   | 104  | 70 - 130    | 4   | 20        |
| 2,4-Dinitrotoluene  | 1.98        | 2.21        | *1             | ug/L |   | 111  | 70 - 130    | 26  | 20        |
| 2,6-Dinitrotoluene  | 1.98        | 1.93        | *1             | ug/L |   | 97   | 70 - 130    | 28  | 20        |
| 2-Methylnaphthalene | 1.98        | 1.89        |                | ug/L |   | 95   | 70 - 130    | 1   | 20        |
| 4,4'-DDD            | 1.98        | 2.19        |                | ug/L |   | 110  | 70 - 130    | 4   | 20        |
| 4,4'-DDE            | 1.98        | 2.21        |                | ug/L |   | 111  | 70 - 130    | 4   | 20        |
| 4,4'-DDT            | 1.98        | 2.03        |                | ug/L |   | 103  | 70 - 130    | 4   | 20        |
| Acenaphthene        | 1.98        | 1.88        |                | ug/L |   | 95   | 70 - 130    | 0   | 20        |
| Acenaphthylene      | 1.98        | 1.95        |                | ug/L |   | 98   | 70 - 130    | 3   | 20        |
| Acetochlor          | 1.98        | 2.06        |                | ug/L |   | 104  | 70 - 130    | 1   | 20        |
| Alachlor            | 1.98        | 2.07        |                | ug/L |   | 104  | 70 - 130    | 2   | 20        |

Eurofins Eaton Analytical Pomona

# QC Sample Results

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

Job ID: 380-158426-1  
SDG: Weekly: Ka'amilo Wells Pump 1/Pump 2

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

Lab Sample ID: LCSD 380-161526/24-A

Matrix: Water

Analysis Batch: 161686

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 161526

| Analyte                          | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| alpha-BHC                        | 1.98        | 1.90        |                | ug/L |   | 96   | 70 - 130    | 4   | 20        |
| alpha-Chlordane                  | 1.98        | 2.40        |                | ug/L |   | 121  | 70 - 130    | 1   | 20        |
| Anthracene                       | 1.98        | 1.94        |                | ug/L |   | 98   | 70 - 130    | 3   | 20        |
| Atrazine                         | 1.98        | 2.12        |                | ug/L |   | 107  | 70 - 130    | 1   | 20        |
| Benz(a)anthracene                | 1.98        | 2.04        |                | ug/L |   | 103  | 70 - 130    | 7   | 20        |
| Benzo[a]pyrene                   | 1.98        | 2.19        |                | ug/L |   | 110  | 70 - 130    | 0   | 20        |
| Benzo[b]fluoranthene             | 1.98        | 2.17        |                | ug/L |   | 109  | 70 - 130    | 1   | 20        |
| Benzo[g,h,i]perylene             | 1.98        | 1.99        |                | ug/L |   | 100  | 70 - 130    | 2   | 20        |
| Benzo[k]fluoranthene             | 1.98        | 2.13        |                | ug/L |   | 108  | 70 - 130    | 2   | 20        |
| beta-BHC                         | 1.98        | 1.92        |                | ug/L |   | 97   | 70 - 130    | 3   | 20        |
| Bis(2-ethylhexyl) phthalate      | 1.98        | 1.90        |                | ug/L |   | 96   | 70 - 130    | 0   | 20        |
| Bromacil                         | 1.98        | 2.06        | *1             | ug/L |   | 104  | 70 - 130    | 23  | 20        |
| Butachlor                        | 1.98        | 2.07        |                | ug/L |   | 105  | 70 - 130    | 1   | 20        |
| Butylbenzylphthalate             | 1.98        | 1.99        |                | ug/L |   | 100  | 70 - 130    | 4   | 20        |
| Chlorobenzilate                  | 1.98        | 1.85        |                | ug/L |   | 93   | 70 - 130    | 4   | 20        |
| Chloroneb                        | 1.98        | 1.95        |                | ug/L |   | 98   | 70 - 130    | 1   | 20        |
| Chlorothalonil (Draconil, Bravo) | 1.98        | 2.14        |                | ug/L |   | 108  | 70 - 130    | 6   | 20        |
| Chlorpyrifos                     | 1.98        | 2.15        |                | ug/L |   | 108  | 70 - 130    | 2   | 20        |
| Chrysene                         | 1.98        | 2.00        |                | ug/L |   | 101  | 70 - 130    | 2   | 20        |
| delta-BHC                        | 1.98        | 1.80        |                | ug/L |   | 91   | 70 - 130    | 2   | 20        |
| Di(2-ethylhexyl)adipate          | 1.98        | 1.99        |                | ug/L |   | 100  | 70 - 130    | 5   | 20        |
| Dibenz(a,h)anthracene            | 1.98        | 2.08        |                | ug/L |   | 105  | 70 - 130    | 3   | 20        |
| Diclorvos (DDVP)                 | 1.98        | 1.98        |                | ug/L |   | 100  | 70 - 130    | 16  | 20        |
| Dieldrin                         | 1.98        | 2.02        |                | ug/L |   | 102  | 70 - 130    | 1   | 20        |
| Diethylphthalate                 | 1.98        | 2.06        |                | ug/L |   | 104  | 70 - 130    | 2   | 20        |
| Dimethylphthalate                | 1.98        | 2.06        |                | ug/L |   | 104  | 70 - 130    | 9   | 20        |
| Di-n-butyl phthalate             | 3.97        | 4.62        |                | ug/L |   | 117  | 70 - 130    | 4   | 20        |
| Di-n-octyl phthalate             | 1.98        | 2.05        |                | ug/L |   | 103  | 70 - 130    | 1   | 20        |
| Endosulfan I (Alpha)             | 1.98        | 1.93        |                | ug/L |   | 97   | 70 - 130    | 0   | 20        |
| Endosulfan II (Beta)             | 1.98        | 1.89        |                | ug/L |   | 95   | 70 - 130    | 3   | 20        |
| Endosulfan sulfate               | 1.98        | 1.99        |                | ug/L |   | 100  | 70 - 130    | 1   | 20        |
| Endrin                           | 1.98        | 2.29        |                | ug/L |   | 115  | 70 - 130    | 3   | 20        |
| Endrin aldehyde                  | 1.98        | 2.30        |                | ug/L |   | 116  | 60 - 130    | 2   | 20        |
| EPTC                             | 1.98        | 2.03        |                | ug/L |   | 102  | 70 - 130    | 1   | 20        |
| Fluoranthene                     | 1.98        | 2.13        |                | ug/L |   | 108  | 70 - 130    | 4   | 20        |
| Fluorene                         | 1.98        | 1.97        |                | ug/L |   | 100  | 70 - 130    | 4   | 20        |
| gamma-Chlordane                  | 1.98        | 2.37        |                | ug/L |   | 119  | 70 - 130    | 1   | 20        |
| Heptachlor                       | 1.98        | 2.35        |                | ug/L |   | 119  | 70 - 130    | 0   | 20        |
| Heptachlor epoxide (isomer B)    | 1.98        | 2.33        |                | ug/L |   | 117  | 70 - 130    | 0   | 20        |
| Hexachlorobenzene                | 1.98        | 2.07        |                | ug/L |   | 104  | 70 - 130    | 3   | 20        |
| Hexachlorocyclopentadiene        | 1.98        | 2.31        |                | ug/L |   | 117  | 70 - 130    | 5   | 20        |
| Indeno[1,2,3-cd]pyrene           | 1.98        | 2.29        |                | ug/L |   | 115  | 70 - 130    | 1   | 20        |
| Isophorone                       | 1.98        | 2.14        |                | ug/L |   | 108  | 70 - 130    | 12  | 20        |
| Lindane                          | 1.98        | 2.11        |                | ug/L |   | 106  | 70 - 130    | 0   | 20        |
| Malathion                        | 1.98        | 2.08        |                | ug/L |   | 105  | 70 - 130    | 4   | 20        |
| Methoxychlor                     | 1.98        | 2.22        |                | ug/L |   | 112  | 70 - 130    | 0   | 20        |
| Metolachlor                      | 1.98        | 2.19        |                | ug/L |   | 110  | 70 - 130    | 0   | 20        |
| Molinate                         | 1.98        | 2.03        |                | ug/L |   | 103  | 70 - 130    | 0   | 20        |
| Naphthalene                      | 1.98        | 1.90        |                | ug/L |   | 96   | 70 - 130    | 2   | 20        |

Eurofins Eaton Analytical Pomona

# QC Sample Results

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

Job ID: 380-158426-1  
SDG: Weekly: Ka'amilo Wells Pump 1/Pump 2

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

Lab Sample ID: LCSD 380-161526/24-A

Matrix: Water

Analysis Batch: 161686

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 161526

| Analyte                    | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Parathion                  | 1.98        | 1.87        |                | ug/L |   | 94   | 70 - 130    | 3   | 20        |
| Pendimethalin (Penoxaline) | 1.98        | 2.35        |                | ug/L |   | 119  | 70 - 130    | 4   | 20        |
| Phenanthrene               | 1.98        | 1.86        |                | ug/L |   | 94   | 70 - 130    | 1   | 20        |
| Propachlor                 | 1.98        | 1.99        |                | ug/L |   | 101  | 70 - 130    | 0   | 20        |
| Pyrene                     | 1.98        | 2.16        |                | ug/L |   | 109  | 70 - 130    | 4   | 20        |
| Simazine                   | 1.98        | 1.95        |                | ug/L |   | 98   | 70 - 130    | 6   | 20        |
| Terbacil                   | 1.98        | 2.02        | *1             | ug/L |   | 102  | 70 - 130    | 23  | 20        |
| Terbutylazine              | 1.98        | 2.04        |                | ug/L |   | 103  | 70 - 130    | 6   | 20        |
| Thiobencarb                | 1.98        | 2.05        |                | ug/L |   | 103  | 70 - 130    | 4   | 20        |
| trans-Nonachlor            | 1.98        | 2.51        |                | ug/L |   | 127  | 70 - 130    | 0   | 20        |
| Trifluralin                | 1.98        | 2.33        |                | ug/L |   | 117  | 70 - 130    | 1   | 20        |

| Surrogate          | LCSD %Recovery | LCSD Qualifier | Limits   |
|--------------------|----------------|----------------|----------|
| 2-Nitro-m-xylene   | 93             |                | 70 - 130 |
| Perylene-d12       | 99             |                | 70 - 130 |
| Triphenylphosphate | 113            |                | 70 - 130 |

Lab Sample ID: MRL 380-161526/22-A

Matrix: Water

Analysis Batch: 161686

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 161526

| Analyte                     | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------------------------|-------------|------------|---------------|------|---|------|-------------|
| 1-Methylnaphthalene         | 0.0992      | 0.115      |               | ug/L |   | 115  | 50 - 150    |
| 2,4'-DDD                    | 0.0992      | 0.102      |               | ug/L |   | 102  | 50 - 150    |
| 2,4'-DDE                    | 0.0992      | 0.107      |               | ug/L |   | 108  | 50 - 150    |
| 2,4'-DDT                    | 0.0992      | 0.129      |               | ug/L |   | 130  | 50 - 150    |
| 2,4-Dinitrotoluene          | 0.0992      | 0.117      |               | ug/L |   | 118  | 50 - 150    |
| 2,6-Dinitrotoluene          | 0.0992      | 0.124      |               | ug/L |   | 125  | 50 - 150    |
| 2-Methylnaphthalene         | 0.0992      | 0.105      |               | ug/L |   | 106  | 50 - 150    |
| 4,4'-DDD                    | 0.0992      | 0.111      |               | ug/L |   | 112  | 50 - 150    |
| 4,4'-DDE                    | 0.0992      | 0.107      |               | ug/L |   | 107  | 50 - 150    |
| 4,4'-DDT                    | 0.0992      | 0.132      |               | ug/L |   | 133  | 50 - 150    |
| Acenaphthene                | 0.0992      | 0.0996     |               | ug/L |   | 100  | 50 - 150    |
| Acenaphthylene              | 0.0992      | 0.0935     | J             | ug/L |   | 94   | 50 - 150    |
| Acetochlor                  | 0.0992      | 0.106      |               | ug/L |   | 107  | 50 - 150    |
| Alachlor                    | 0.0496      | 0.0557     |               | ug/L |   | 112  | 50 - 150    |
| alpha-BHC                   | 0.0992      | 0.0982     | J             | ug/L |   | 99   | 50 - 150    |
| alpha-Chlordane             | 0.0248      | 0.0308     | J             | ug/L |   | 124  | 50 - 150    |
| Anthracene                  | 0.0198      | 0.0233     |               | ug/L |   | 118  | 50 - 150    |
| Atrazine                    | 0.0496      | 0.0643     |               | ug/L |   | 130  | 50 - 150    |
| Benz(a)anthracene           | 0.0496      | 0.0606     |               | ug/L |   | 122  | 50 - 150    |
| Benzo[a]pyrene              | 0.0198      | 0.0268     |               | ug/L |   | 135  | 50 - 150    |
| Benzo[b]fluoranthene        | 0.0198      | 0.0276     |               | ug/L |   | 139  | 50 - 150    |
| Benzo[g,h,i]perylene        | 0.0496      | 0.0563     |               | ug/L |   | 114  | 50 - 150    |
| Benzo[k]fluoranthene        | 0.0198      | 0.0277     |               | ug/L |   | 140  | 50 - 150    |
| beta-BHC                    | 0.0992      | 0.106      |               | ug/L |   | 107  | 50 - 150    |
| Bis(2-ethylhexyl) phthalate | 0.595       | 0.549      | J             | ug/L |   | 92   | 50 - 150    |
| Bromacil                    | 0.0992      | 0.132      |               | ug/L |   | 133  | 50 - 150    |

Eurofins Eaton Analytical Pomona

# QC Sample Results

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

Job ID: 380-158426-1  
SDG: Weekly: Ka'amilo Wells Pump 1/Pump 2

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

Lab Sample ID: MRL 380-161526/22-A

Matrix: Water

Analysis Batch: 161686

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 161526

| Analyte                          | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec Limits |
|----------------------------------|-------------|------------|---------------|------|---|------|-------------|
| Butachlor                        | 0.0496      | 0.0641     |               | ug/L |   | 129  | 50 - 150    |
| Butylbenzylphthalate             | 0.496       | 0.563      |               | ug/L |   | 113  | 50 - 150    |
| Chlorobenzilate                  | 0.0992      | 0.112      |               | ug/L |   | 112  | 50 - 150    |
| Chloroneb                        | 0.0992      | 0.102      |               | ug/L |   | 102  | 50 - 150    |
| Chlorothalonil (Draconil, Bravo) | 0.0992      | 0.0976     | J             | ug/L |   | 98   | 50 - 150    |
| Chlorpyrifos                     | 0.0496      | 0.0529     |               | ug/L |   | 107  | 50 - 150    |
| Chrysene                         | 0.0198      | 0.0223     |               | ug/L |   | 112  | 50 - 150    |
| delta-BHC                        | 0.0992      | 0.0901     | J             | ug/L |   | 91   | 50 - 150    |
| Di(2-ethylhexyl)adipate          | 0.595       | 0.634      |               | ug/L |   | 107  | 50 - 150    |
| Dibenz(a,h)anthracene            | 0.0496      | 0.0575     |               | ug/L |   | 116  | 50 - 150    |
| Diclorvos (DDVP)                 | 0.0496      | 0.0552     |               | ug/L |   | 111  | 50 - 150    |
| Diethylphthalate                 | 0.496       | 0.546      |               | ug/L |   | 110  | 50 - 150    |
| Dimethylphthalate                | 0.496       | 0.513      |               | ug/L |   | 103  | 50 - 150    |
| Di-n-butyl phthalate             | 0.496       | 1.02       |               | ug/L |   | 205  | 49 - 243    |
| Di-n-octyl phthalate             | 0.0992      | 0.103      |               | ug/L |   | 104  | 50 - 150    |
| Endosulfan I (Alpha)             | 0.0992      | 0.0877     | J             | ug/L |   | 88   | 50 - 150    |
| Endosulfan II (Beta)             | 0.0992      | 0.101      |               | ug/L |   | 102  | 50 - 150    |
| Endosulfan sulfate               | 0.0992      | 0.123      |               | ug/L |   | 124  | 50 - 150    |
| Endrin                           | 0.00992     | 0.0135     |               | ug/L |   | 136  | 50 - 150    |
| Endrin aldehyde                  | 0.0992      | 0.144      |               | ug/L |   | 145  | 50 - 150    |
| EPTC                             | 0.0992      | 0.0982     | J             | ug/L |   | 99   | 50 - 150    |
| Fluoranthene                     | 0.0992      | 0.109      |               | ug/L |   | 109  | 50 - 150    |
| Fluorene                         | 0.0496      | 0.0520     |               | ug/L |   | 105  | 50 - 150    |
| gamma-Chlordane                  | 0.0248      | 0.0296     | J             | ug/L |   | 119  | 50 - 150    |
| Heptachlor                       | 0.00992     | 0.0127     |               | ug/L |   | 128  | 50 - 150    |
| Heptachlor epoxide (isomer B)    | 0.00992     | 0.0120     |               | ug/L |   | 121  | 50 - 150    |
| Hexachlorobenzene                | 0.0496      | 0.0520     |               | ug/L |   | 105  | 50 - 150    |
| Hexachlorocyclopentadiene        | 0.0496      | 0.0582     |               | ug/L |   | 117  | 50 - 150    |
| Indeno[1,2,3-cd]pyrene           | 0.0496      | 0.0659     |               | ug/L |   | 133  | 50 - 150    |
| Isophorone                       | 0.0992      | 0.119      |               | ug/L |   | 120  | 50 - 150    |
| Lindane                          | 0.00992     | 0.0124     |               | ug/L |   | 125  | 50 - 150    |
| Malathion                        | 0.0992      | 0.121      |               | ug/L |   | 122  | 50 - 150    |
| Methoxychlor                     | 0.0496      | 0.0670     |               | ug/L |   | 135  | 50 - 150    |
| Metolachlor                      | 0.0496      | 0.0614     |               | ug/L |   | 124  | 50 - 150    |
| Molinate                         | 0.0992      | 0.104      |               | ug/L |   | 105  | 50 - 150    |
| Naphthalene                      | 0.0992      | 0.0964     | J             | ug/L |   | 97   | 50 - 150    |
| Parathion                        | 0.0992      | 0.104      |               | ug/L |   | 105  | 50 - 150    |
| Pendimethalin (Penoxaline)       | 0.0992      | 0.140      |               | ug/L |   | 142  | 50 - 150    |
| Phenanthrene                     | 0.0397      | 0.0443     |               | ug/L |   | 112  | 50 - 150    |
| Propachlor                       | 0.0496      | 0.0574     |               | ug/L |   | 116  | 50 - 150    |
| Pyrene                           | 0.0496      | 0.0555     |               | ug/L |   | 112  | 50 - 150    |
| Simazine                         | 0.0496      | 0.0614     |               | ug/L |   | 124  | 50 - 150    |
| Terbacil                         | 0.0992      | 0.118      |               | ug/L |   | 119  | 50 - 150    |
| Terbutylazine                    | 0.0992      | 0.120      |               | ug/L |   | 121  | 50 - 150    |
| Thiobencarb                      | 0.0992      | 0.103      |               | ug/L |   | 104  | 50 - 150    |
| trans-Nonachlor                  | 0.0248      | 0.0297     | J             | ug/L |   | 120  | 50 - 150    |
| Trifluralin                      | 0.0992      | 0.140      |               | ug/L |   | 141  | 50 - 150    |

Eurofins Eaton Analytical Pomona

# QC Sample Results

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

Job ID: 380-158426-1  
SDG: Weekly: Ka'amilo Wells Pump 1/Pump 2

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

Lab Sample ID: MRL 380-161526/22-A  
Matrix: Water  
Analysis Batch: 161686

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 161526

| Surrogate          | MRL<br>%Recovery | MRL<br>Qualifier | Limits   |
|--------------------|------------------|------------------|----------|
| 2-Nitro-m-xylene   | 93               |                  | 70 - 130 |
| Perylene-d12       | 97               |                  | 70 - 130 |
| Triphenylphosphate | 115              |                  | 70 - 130 |

Lab Sample ID: MRL 380-161526/22-A  
Matrix: Water  
Analysis Batch: 161917

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 161526

| Analyte  | Spike<br>Added | MRL<br>Result | MRL<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits |
|----------|----------------|---------------|------------------|------|---|------|----------------|
| Dieldrin | 0.00992        | 0.00962       | J                | ug/L |   | 97   | 50 - 150       |

| Surrogate          | MRL<br>%Recovery | MRL<br>Qualifier | Limits   |
|--------------------|------------------|------------------|----------|
| 2-Nitro-m-xylene   | 97               |                  | 70 - 130 |
| Perylene-d12       | 91               |                  | 70 - 130 |
| Triphenylphosphate | 103              |                  | 70 - 130 |

Lab Sample ID: 380-158427-R-1-A MS  
Matrix: Water  
Analysis Batch: 161686

Client Sample ID: Matrix Spike  
Prep Type: Total/NA  
Prep Batch: 161526

| Analyte                     | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits |
|-----------------------------|------------------|---------------------|----------------|--------------|-----------------|------|---|------|----------------|
| 1-Methylnaphthalene         | <0.097           |                     | 1.97           | 1.88         |                 | ug/L |   | 95   | 70 - 130       |
| 2,4'-DDD                    | <0.097           |                     | 1.97           | 2.22         |                 | ug/L |   | 113  | 70 - 130       |
| 2,4'-DDE                    | <0.097           |                     | 1.97           | 2.08         |                 | ug/L |   | 105  | 70 - 130       |
| 2,4'-DDT                    | <0.097           |                     | 1.97           | 2.09         |                 | ug/L |   | 106  | 70 - 130       |
| 2,4-Dinitrotoluene          | <0.097           | *1                  | 1.97           | 1.81         |                 | ug/L |   | 92   | 70 - 130       |
| 2,6-Dinitrotoluene          | <0.097           | *1                  | 1.97           | 1.54         |                 | ug/L |   | 78   | 70 - 130       |
| 2-Methylnaphthalene         | <0.097           |                     | 1.97           | 1.92         |                 | ug/L |   | 97   | 70 - 130       |
| 4,4'-DDD                    | <0.097           |                     | 1.97           | 2.24         |                 | ug/L |   | 113  | 70 - 130       |
| 4,4'-DDE                    | <0.097           |                     | 1.97           | 2.23         |                 | ug/L |   | 113  | 70 - 130       |
| 4,4'-DDT                    | <0.097           |                     | 1.97           | 2.03         |                 | ug/L |   | 103  | 70 - 130       |
| Acenaphthene                | <0.097           |                     | 1.97           | 1.89         |                 | ug/L |   | 96   | 70 - 130       |
| Acenaphthylene              | <0.097           |                     | 1.97           | 2.08         |                 | ug/L |   | 106  | 70 - 130       |
| Acetochlor                  | <0.097           |                     | 1.97           | 1.99         |                 | ug/L |   | 101  | 70 - 130       |
| Alachlor                    | <0.049           |                     | 1.97           | 2.05         |                 | ug/L |   | 104  | 70 - 130       |
| alpha-BHC                   | <0.097           |                     | 1.97           | 1.94         |                 | ug/L |   | 98   | 70 - 130       |
| alpha-Chlordane             | <0.049           |                     | 1.97           | 2.33         |                 | ug/L |   | 118  | 70 - 130       |
| Anthracene                  | <0.019           | F1                  | 1.97           | 1.42         |                 | ug/L |   | 72   | 70 - 130       |
| Atrazine                    | <0.049           |                     | 1.97           | 2.11         |                 | ug/L |   | 107  | 70 - 130       |
| Benz(a)anthracene           | <0.049           |                     | 1.97           | 2.05         |                 | ug/L |   | 104  | 70 - 130       |
| Benzo[a]pyrene              | <0.019           |                     | 1.97           | 2.14         |                 | ug/L |   | 108  | 70 - 130       |
| Benzo[b]fluoranthene        | <0.019           |                     | 1.97           | 2.21         |                 | ug/L |   | 112  | 70 - 130       |
| Benzo[g,h,i]perylene        | <0.049           |                     | 1.97           | 1.94         |                 | ug/L |   | 98   | 70 - 130       |
| Benzo[k]fluoranthene        | <0.019           |                     | 1.97           | 2.14         |                 | ug/L |   | 109  | 70 - 130       |
| beta-BHC                    | <0.097           |                     | 1.97           | 1.93         |                 | ug/L |   | 98   | 70 - 130       |
| Bis(2-ethylhexyl) phthalate | <0.58            |                     | 1.97           | 1.86         |                 | ug/L |   | 94   | 70 - 130       |
| Bromacil                    | <0.097           | *1                  | 1.97           | 1.74         |                 | ug/L |   | 88   | 70 - 130       |
| Butachlor                   | <0.049           |                     | 1.97           | 2.05         |                 | ug/L |   | 104  | 70 - 130       |

Eurofins Eaton Analytical Pomona

# QC Sample Results

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

Job ID: 380-158426-1  
SDG: Weekly: Ka'amilo Wells Pump 1/Pump 2

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

Lab Sample ID: 380-158427-R-1-A MS

Matrix: Water

Analysis Batch: 161686

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 161526

| Analyte                          | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Butylbenzylphthalate             | <0.49         |                  | 1.97        | 2.02      |              | ug/L |   | 102  | 70 - 130    |
| Chlorobenzilate                  | <0.097        |                  | 1.97        | 1.90      |              | ug/L |   | 96   | 70 - 130    |
| Chloroneb                        | <0.097        |                  | 1.97        | 1.96      |              | ug/L |   | 100  | 70 - 130    |
| Chlorothalonil (Draconil, Bravo) | <0.097        |                  | 1.97        | 2.19      |              | ug/L |   | 111  | 70 - 130    |
| Chlorpyrifos                     | <0.049        |                  | 1.97        | 2.11      |              | ug/L |   | 107  | 70 - 130    |
| Chrysene                         | <0.019        |                  | 1.97        | 2.01      |              | ug/L |   | 102  | 70 - 130    |
| delta-BHC                        | <0.097        |                  | 1.97        | 1.78      |              | ug/L |   | 90   | 70 - 130    |
| Di(2-ethylhexyl)adipate          | <0.58         |                  | 1.97        | 1.98      |              | ug/L |   | 100  | 70 - 130    |
| Dibenz(a,h)anthracene            | <0.049        |                  | 1.97        | 2.02      |              | ug/L |   | 103  | 70 - 130    |
| Diclorvos (DDVP)                 | <0.049        |                  | 1.97        | 1.77      |              | ug/L |   | 90   | 70 - 130    |
| Dieldrin                         | <0.0097       | ^3+              | 1.97        | 2.00      |              | ug/L |   | 101  | 70 - 130    |
| Diethylphthalate                 | <0.49         |                  | 1.97        | 2.08      |              | ug/L |   | 105  | 70 - 130    |
| Dimethylphthalate                | <0.49         |                  | 1.97        | 1.91      |              | ug/L |   | 97   | 70 - 130    |
| Di-n-butyl phthalate             | <0.97         |                  | 3.95        | 4.80      |              | ug/L |   | 111  | 70 - 130    |
| Di-n-octyl phthalate             | <0.097        |                  | 1.97        | 1.99      |              | ug/L |   | 101  | 70 - 130    |
| Endosulfan I (Alpha)             | <0.097        |                  | 1.97        | 1.87      |              | ug/L |   | 95   | 70 - 130    |
| Endosulfan II (Beta)             | <0.097        |                  | 1.97        | 1.89      |              | ug/L |   | 96   | 70 - 130    |
| Endosulfan sulfate               | <0.097        |                  | 1.97        | 1.93      |              | ug/L |   | 98   | 70 - 130    |
| Endrin                           | <0.0097       |                  | 1.97        | 2.31      |              | ug/L |   | 117  | 70 - 130    |
| Endrin aldehyde                  | <0.097        |                  | 1.97        | 2.02      |              | ug/L |   | 103  | 60 - 130    |
| EPTC                             | <0.097        |                  | 1.97        | 2.03      |              | ug/L |   | 103  | 70 - 130    |
| Fluoranthene                     | <0.097        |                  | 1.97        | 2.16      |              | ug/L |   | 110  | 70 - 130    |
| Fluorene                         | <0.049        |                  | 1.97        | 2.02      |              | ug/L |   | 102  | 70 - 130    |
| gamma-Chlordane                  | <0.049        |                  | 1.97        | 2.29      |              | ug/L |   | 116  | 70 - 130    |
| Heptachlor                       | <0.0097       |                  | 1.97        | 2.31      |              | ug/L |   | 117  | 70 - 130    |
| Heptachlor epoxide (isomer B)    | <0.0097       |                  | 1.97        | 2.28      |              | ug/L |   | 116  | 70 - 130    |
| Hexachlorobenzene                | <0.049        |                  | 1.97        | 2.12      |              | ug/L |   | 107  | 70 - 130    |
| Hexachlorocyclopentadiene        | <0.049        |                  | 1.97        | 2.43      |              | ug/L |   | 123  | 70 - 130    |
| Indeno[1,2,3-cd]pyrene           | <0.049        |                  | 1.97        | 2.24      |              | ug/L |   | 113  | 70 - 130    |
| Isophorone                       | <0.097        |                  | 1.97        | 1.95      |              | ug/L |   | 99   | 70 - 130    |
| Lindane                          | <0.0097       |                  | 1.97        | 2.09      |              | ug/L |   | 106  | 70 - 130    |
| Malathion                        | <0.097        |                  | 1.97        | 2.09      |              | ug/L |   | 106  | 70 - 130    |
| Methoxychlor                     | <0.049        |                  | 1.97        | 2.29      |              | ug/L |   | 116  | 70 - 130    |
| Metolachlor                      | <0.049        |                  | 1.97        | 2.13      |              | ug/L |   | 108  | 70 - 130    |
| Molinate                         | <0.097        |                  | 1.97        | 2.04      |              | ug/L |   | 103  | 70 - 130    |
| Naphthalene                      | <0.097        |                  | 1.97        | 1.88      |              | ug/L |   | 95   | 70 - 130    |
| Parathion                        | <0.097        |                  | 1.97        | 1.85      |              | ug/L |   | 94   | 70 - 130    |
| Pendimethalin (Penoxaline)       | <0.097        |                  | 1.97        | 2.43      |              | ug/L |   | 123  | 70 - 130    |
| Phenanthrene                     | <0.039        |                  | 1.97        | 1.85      |              | ug/L |   | 94   | 70 - 130    |
| Propachlor                       | <0.049        |                  | 1.97        | 1.96      |              | ug/L |   | 99   | 70 - 130    |
| Pyrene                           | <0.049        |                  | 1.97        | 2.19      |              | ug/L |   | 111  | 70 - 130    |
| Simazine                         | <0.049        |                  | 1.97        | 1.83      |              | ug/L |   | 93   | 70 - 130    |
| Terbacil                         | <0.097        | *1               | 1.97        | 1.68      |              | ug/L |   | 85   | 70 - 130    |
| Terbutylazine                    | <0.097        |                  | 1.97        | 2.14      |              | ug/L |   | 108  | 70 - 130    |
| Thiobencarb                      | <0.097        |                  | 1.97        | 2.07      |              | ug/L |   | 105  | 70 - 130    |
| trans-Nonachlor                  | <0.049        |                  | 1.97        | 2.41      |              | ug/L |   | 122  | 70 - 130    |
| Trifluralin                      | <0.097        |                  | 1.97        | 2.33      |              | ug/L |   | 118  | 70 - 130    |

Eurofins Eaton Analytical Pomona

# QC Sample Results

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

Job ID: 380-158426-1  
SDG: Weekly: Ka'amilo Wells Pump 1/Pump 2

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

Lab Sample ID: 380-158427-R-1-A MS  
Matrix: Water  
Analysis Batch: 161686

Client Sample ID: Matrix Spike  
Prep Type: Total/NA  
Prep Batch: 161526

| Surrogate          | MS<br>%Recovery | MS<br>Qualifier | Limits   |
|--------------------|-----------------|-----------------|----------|
| 2-Nitro-m-xylene   | 91              |                 | 70 - 130 |
| Perylene-d12       | 97              |                 | 70 - 130 |
| Triphenylphosphate | 115             |                 | 70 - 130 |

Lab Sample ID: 380-158427-S-1-A MSD  
Matrix: Water  
Analysis Batch: 161686

Client Sample ID: Matrix Spike Duplicate  
Prep Type: Total/NA  
Prep Batch: 161526

| Analyte                          | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------------------------------|------------------|---------------------|----------------|---------------|------------------|------|---|------|----------------|-----|--------------|
| 1-Methylnaphthalene              | <0.097           |                     | 1.94           | 1.88          |                  | ug/L |   | 96   | 70 - 130       | 0   | 20           |
| 2,4'-DDD                         | <0.097           |                     | 1.94           | 2.24          |                  | ug/L |   | 116  | 70 - 130       | 1   | 20           |
| 2,4'-DDE                         | <0.097           |                     | 1.94           | 2.07          |                  | ug/L |   | 107  | 70 - 130       | 0   | 20           |
| 2,4'-DDT                         | <0.097           |                     | 1.94           | 2.13          |                  | ug/L |   | 110  | 70 - 130       | 2   | 20           |
| 2,4-Dinitrotoluene               | <0.097           | *1                  | 1.94           | 2.18          |                  | ug/L |   | 112  | 70 - 130       | 18  | 20           |
| 2,6-Dinitrotoluene               | <0.097           | *1                  | 1.94           | 1.88          |                  | ug/L |   | 97   | 70 - 130       | 20  | 20           |
| 2-Methylnaphthalene              | <0.097           |                     | 1.94           | 1.89          |                  | ug/L |   | 97   | 70 - 130       | 2   | 20           |
| 4,4'-DDD                         | <0.097           |                     | 1.94           | 2.21          |                  | ug/L |   | 114  | 70 - 130       | 1   | 20           |
| 4,4'-DDE                         | <0.097           |                     | 1.94           | 2.21          |                  | ug/L |   | 114  | 70 - 130       | 1   | 20           |
| 4,4'-DDT                         | <0.097           |                     | 1.94           | 2.04          |                  | ug/L |   | 105  | 70 - 130       | 0   | 20           |
| Acenaphthene                     | <0.097           |                     | 1.94           | 1.87          |                  | ug/L |   | 97   | 70 - 130       | 1   | 20           |
| Acenaphthylene                   | <0.097           |                     | 1.94           | 1.95          |                  | ug/L |   | 100  | 70 - 130       | 7   | 20           |
| Acetochlor                       | <0.097           |                     | 1.94           | 2.03          |                  | ug/L |   | 105  | 70 - 130       | 2   | 20           |
| Alachlor                         | <0.049           |                     | 1.94           | 2.06          |                  | ug/L |   | 106  | 70 - 130       | 0   | 20           |
| alpha-BHC                        | <0.097           |                     | 1.94           | 1.90          |                  | ug/L |   | 98   | 70 - 130       | 2   | 20           |
| alpha-Chlordane                  | <0.049           |                     | 1.94           | 2.36          |                  | ug/L |   | 122  | 70 - 130       | 1   | 20           |
| Anthracene                       | <0.019           | F1                  | 1.94           | 1.34          | F1               | ug/L |   | 69   | 70 - 130       | 6   | 20           |
| Atrazine                         | <0.049           |                     | 1.94           | 2.12          |                  | ug/L |   | 110  | 70 - 130       | 0   | 20           |
| Benz(a)anthracene                | <0.049           |                     | 1.94           | 2.02          |                  | ug/L |   | 104  | 70 - 130       | 1   | 20           |
| Benzo[a]pyrene                   | <0.019           |                     | 1.94           | 2.02          |                  | ug/L |   | 104  | 70 - 130       | 6   | 20           |
| Benzo[b]fluoranthene             | <0.019           |                     | 1.94           | 2.18          |                  | ug/L |   | 113  | 70 - 130       | 1   | 20           |
| Benzo[g,h,i]perylene             | <0.049           |                     | 1.94           | 1.94          |                  | ug/L |   | 100  | 70 - 130       | 0   | 20           |
| Benzo[k]fluoranthene             | <0.019           |                     | 1.94           | 2.05          |                  | ug/L |   | 106  | 70 - 130       | 4   | 20           |
| beta-BHC                         | <0.097           |                     | 1.94           | 1.90          |                  | ug/L |   | 98   | 70 - 130       | 2   | 20           |
| Bis(2-ethylhexyl) phthalate      | <0.58            |                     | 1.94           | 1.91          |                  | ug/L |   | 98   | 70 - 130       | 2   | 20           |
| Bromacil                         | <0.097           | *1                  | 1.94           | 2.09          |                  | ug/L |   | 108  | 70 - 130       | 18  | 20           |
| Butachlor                        | <0.049           |                     | 1.94           | 2.08          |                  | ug/L |   | 107  | 70 - 130       | 2   | 20           |
| Butylbenzylphthalate             | <0.49            |                     | 1.94           | 1.99          |                  | ug/L |   | 103  | 70 - 130       | 1   | 20           |
| Chlorobenzilate                  | <0.097           |                     | 1.94           | 1.91          |                  | ug/L |   | 99   | 70 - 130       | 1   | 20           |
| Chloroneb                        | <0.097           |                     | 1.94           | 1.94          |                  | ug/L |   | 100  | 70 - 130       | 1   | 20           |
| Chlorothalonil (Draconil, Bravo) | <0.097           |                     | 1.94           | 2.16          |                  | ug/L |   | 112  | 70 - 130       | 1   | 20           |
| Chlorpyrifos                     | <0.049           |                     | 1.94           | 2.11          |                  | ug/L |   | 109  | 70 - 130       | 0   | 20           |
| Chrysene                         | <0.019           |                     | 1.94           | 1.95          |                  | ug/L |   | 100  | 70 - 130       | 3   | 20           |
| delta-BHC                        | <0.097           |                     | 1.94           | 1.78          |                  | ug/L |   | 92   | 70 - 130       | 0   | 20           |
| Di(2-ethylhexyl)adipate          | <0.58            |                     | 1.94           | 2.01          |                  | ug/L |   | 103  | 70 - 130       | 1   | 20           |
| Dibenz(a,h)anthracene            | <0.049           |                     | 1.94           | 2.07          |                  | ug/L |   | 107  | 70 - 130       | 2   | 20           |
| Diclorvos (DDVP)                 | <0.049           |                     | 1.94           | 1.93          |                  | ug/L |   | 100  | 70 - 130       | 9   | 20           |
| Dieldrin                         | <0.0097          | ^3+                 | 1.94           | 2.06          |                  | ug/L |   | 106  | 70 - 130       | 3   | 20           |
| Diethylphthalate                 | <0.49            |                     | 1.94           | 2.03          |                  | ug/L |   | 105  | 70 - 130       | 2   | 20           |

Eurofins Eaton Analytical Pomona

# QC Sample Results

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

Job ID: 380-158426-1  
SDG: Weekly: Ka'amilo Wells Pump 1/Pump 2

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

Lab Sample ID: 380-158427-S-1-A MSD

Matrix: Water

Analysis Batch: 161686

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 161526

| Analyte                       | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-------------------------------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| Dimethylphthalate             | <0.49         |                  | 1.94        | 2.02       |               | ug/L |   | 104  | 70 - 130    | 6   | 20        |
| Di-n-butyl phthalate          | <0.97         |                  | 3.88        | 4.62       |               | ug/L |   | 108  | 70 - 130    | 4   | 20        |
| Di-n-octyl phthalate          | <0.097        |                  | 1.94        | 2.03       |               | ug/L |   | 105  | 70 - 130    | 2   | 20        |
| Endosulfan I (Alpha)          | <0.097        |                  | 1.94        | 1.90       |               | ug/L |   | 98   | 70 - 130    | 1   | 20        |
| Endosulfan II (Beta)          | <0.097        |                  | 1.94        | 1.87       |               | ug/L |   | 96   | 70 - 130    | 1   | 20        |
| Endosulfan sulfate            | <0.097        |                  | 1.94        | 2.00       |               | ug/L |   | 103  | 70 - 130    | 3   | 20        |
| Endrin                        | <0.0097       |                  | 1.94        | 2.36       |               | ug/L |   | 122  | 70 - 130    | 2   | 20        |
| Endrin aldehyde               | <0.097        |                  | 1.94        | 2.05       |               | ug/L |   | 106  | 60 - 130    | 1   | 20        |
| EPTC                          | <0.097        |                  | 1.94        | 2.00       |               | ug/L |   | 103  | 70 - 130    | 1   | 20        |
| Fluoranthene                  | <0.097        |                  | 1.94        | 2.12       |               | ug/L |   | 109  | 70 - 130    | 2   | 20        |
| Fluorene                      | <0.049        |                  | 1.94        | 1.99       |               | ug/L |   | 103  | 70 - 130    | 2   | 20        |
| gamma-Chlordane               | <0.049        |                  | 1.94        | 2.32       |               | ug/L |   | 120  | 70 - 130    | 1   | 20        |
| Heptachlor                    | <0.0097       |                  | 1.94        | 2.32       |               | ug/L |   | 120  | 70 - 130    | 1   | 20        |
| Heptachlor epoxide (isomer B) | <0.0097       |                  | 1.94        | 2.27       |               | ug/L |   | 117  | 70 - 130    | 1   | 20        |
| Hexachlorobenzene             | <0.049        |                  | 1.94        | 2.09       |               | ug/L |   | 108  | 70 - 130    | 1   | 20        |
| Hexachlorocyclopentadiene     | <0.049        |                  | 1.94        | 2.31       |               | ug/L |   | 119  | 70 - 130    | 5   | 20        |
| Indeno[1,2,3-cd]pyrene        | <0.049        |                  | 1.94        | 2.25       |               | ug/L |   | 116  | 70 - 130    | 0   | 20        |
| Isophorone                    | <0.097        |                  | 1.94        | 2.11       |               | ug/L |   | 109  | 70 - 130    | 8   | 20        |
| Lindane                       | <0.0097       |                  | 1.94        | 2.03       |               | ug/L |   | 105  | 70 - 130    | 3   | 20        |
| Malathion                     | <0.097        |                  | 1.94        | 2.10       |               | ug/L |   | 108  | 70 - 130    | 1   | 20        |
| Methoxychlor                  | <0.049        |                  | 1.94        | 2.25       |               | ug/L |   | 116  | 70 - 130    | 2   | 20        |
| Metolachlor                   | <0.049        |                  | 1.94        | 2.18       |               | ug/L |   | 112  | 70 - 130    | 2   | 20        |
| Molinate                      | <0.097        |                  | 1.94        | 2.02       |               | ug/L |   | 104  | 70 - 130    | 1   | 20        |
| Naphthalene                   | <0.097        |                  | 1.94        | 1.87       |               | ug/L |   | 97   | 70 - 130    | 0   | 20        |
| Parathion                     | <0.097        |                  | 1.94        | 1.80       |               | ug/L |   | 93   | 70 - 130    | 2   | 20        |
| Pendimethalin (Penoxaline)    | <0.097        |                  | 1.94        | 2.36       |               | ug/L |   | 122  | 70 - 130    | 3   | 20        |
| Phenanthrene                  | <0.039        |                  | 1.94        | 1.82       |               | ug/L |   | 94   | 70 - 130    | 1   | 20        |
| Propachlor                    | <0.049        |                  | 1.94        | 1.98       |               | ug/L |   | 102  | 70 - 130    | 1   | 20        |
| Pyrene                        | <0.049        |                  | 1.94        | 2.15       |               | ug/L |   | 111  | 70 - 130    | 2   | 20        |
| Simazine                      | <0.049        |                  | 1.94        | 1.98       |               | ug/L |   | 102  | 70 - 130    | 8   | 20        |
| Terbacil                      | <0.097        | *1               | 1.94        | 1.93       |               | ug/L |   | 100  | 70 - 130    | 14  | 20        |
| Terbutylazine                 | <0.097        |                  | 1.94        | 2.08       |               | ug/L |   | 107  | 70 - 130    | 3   | 20        |
| Thiobencarb                   | <0.097        |                  | 1.94        | 2.02       |               | ug/L |   | 104  | 70 - 130    | 3   | 20        |
| trans-Nonachlor               | <0.049        |                  | 1.94        | 2.47       |               | ug/L |   | 127  | 70 - 130    | 2   | 20        |
| Trifluralin                   | <0.097        |                  | 1.94        | 2.32       |               | ug/L |   | 120  | 70 - 130    | 0   | 20        |
| Surrogate                     | MSD %Recovery | MSD Qualifier    | Limits      |            |               |      |   |      |             |     |           |
| 2-Nitro-m-xylene              | 95            |                  | 70 - 130    |            |               |      |   |      |             |     |           |
| Perylene-d12                  | 94            |                  | 70 - 130    |            |               |      |   |      |             |     |           |
| Triphenylphosphate            | 118           |                  | 70 - 130    |            |               |      |   |      |             |     |           |

# QC Sample Results

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

Job ID: 380-158426-1  
SDG: Weekly: Ka'amilo Wells Pump 1/Pump 2

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

Lab Sample ID: MB 570-593529/1-A  
Matrix: Water  
Analysis Batch: 598423

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 593529

| <i>Tentatively Identified Compound</i> | <i>Est. Result</i> | <i>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>     | 07/07/25 05:12  | 07/17/25 10:52  | 1              |
| <i>Surrogate</i>                       | <i>%Recovery</i>   | <i>Qualifier</i> | <i>Limits</i> |          |           |                | <i>Prepared</i> | <i>Analyzed</i> | <i>Dil Fac</i> |
| 2,4,6-Tribromophenol (Surr)            | 72                 |                  | 33 - 139      |          |           |                | 07/07/25 05:12  | 07/17/25 10:52  | 1              |
| 2-Fluorobiphenyl (Surr)                | 72                 |                  | 33 - 126      |          |           |                | 07/07/25 05:12  | 07/17/25 10:52  | 1              |
| 2-Fluorophenol (Surr)                  | 45                 |                  | 12 - 120      |          |           |                | 07/07/25 05:12  | 07/17/25 10:52  | 1              |
| Nitrobenzene-d5 (Surr)                 | 74                 |                  | 36 - 120      |          |           |                | 07/07/25 05:12  | 07/17/25 10:52  | 1              |
| Phenol-d6 (Surr)                       | 27                 |                  | 10 - 120      |          |           |                | 07/07/25 05:12  | 07/17/25 10:52  | 1              |
| p-Terphenyl-d14 (Surr)                 | 77                 |                  | 47 - 131      |          |           |                | 07/07/25 05:12  | 07/17/25 10:52  | 1              |

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

Lab Sample ID: MB 570-593529/1-A  
Matrix: Water  
Analysis Batch: 598195

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 593529

| <i>Analyte</i>              | <i>Result</i>    | <i>Qualifier</i> | <i>RL</i>     | <i>Unit</i> | <i>D</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Dil Fac</i> |
|-----------------------------|------------------|------------------|---------------|-------------|----------|-----------------|-----------------|----------------|
| 1-Methylnaphthalene         | <0.20            |                  | 0.20          | ug/L        |          | 07/07/25 05:12  | 07/16/25 21:30  | 1              |
| 2-Methylnaphthalene         | <0.20            |                  | 0.20          | ug/L        |          | 07/07/25 05:12  | 07/16/25 21:30  | 1              |
| Acenaphthene                | <0.20            |                  | 0.20          | ug/L        |          | 07/07/25 05:12  | 07/16/25 21:30  | 1              |
| Acenaphthylene              | <0.20            |                  | 0.20          | ug/L        |          | 07/07/25 05:12  | 07/16/25 21:30  | 1              |
| Anthracene                  | <0.20            |                  | 0.20          | ug/L        |          | 07/07/25 05:12  | 07/16/25 21:30  | 1              |
| Benzo[a]anthracene          | <0.20            |                  | 0.20          | ug/L        |          | 07/07/25 05:12  | 07/16/25 21:30  | 1              |
| Benzo[a]pyrene              | <0.20            |                  | 0.20          | ug/L        |          | 07/07/25 05:12  | 07/16/25 21:30  | 1              |
| Benzo[b]fluoranthene        | <0.20            |                  | 0.20          | ug/L        |          | 07/07/25 05:12  | 07/16/25 21:30  | 1              |
| Benzo[g,h,i]perylene        | <0.20            |                  | 0.20          | ug/L        |          | 07/07/25 05:12  | 07/16/25 21:30  | 1              |
| Benzo[k]fluoranthene        | <0.20            |                  | 0.20          | ug/L        |          | 07/07/25 05:12  | 07/16/25 21:30  | 1              |
| Chrysene                    | <0.20            |                  | 0.20          | ug/L        |          | 07/07/25 05:12  | 07/16/25 21:30  | 1              |
| Dibenz(a,h)anthracene       | <0.20            |                  | 0.20          | ug/L        |          | 07/07/25 05:12  | 07/16/25 21:30  | 1              |
| Fluoranthene                | <0.20            |                  | 0.20          | ug/L        |          | 07/07/25 05:12  | 07/16/25 21:30  | 1              |
| Fluorene                    | <0.20            |                  | 0.20          | ug/L        |          | 07/07/25 05:12  | 07/16/25 21:30  | 1              |
| Indeno[1,2,3-cd]pyrene      | <0.20            |                  | 0.20          | ug/L        |          | 07/07/25 05:12  | 07/16/25 21:30  | 1              |
| Naphthalene                 | <0.20            |                  | 0.20          | ug/L        |          | 07/07/25 05:12  | 07/16/25 21:30  | 1              |
| Phenanthrene                | <0.20            |                  | 0.20          | ug/L        |          | 07/07/25 05:12  | 07/16/25 21:30  | 1              |
| Pyrene                      | <0.20            |                  | 0.20          | ug/L        |          | 07/07/25 05:12  | 07/16/25 21:30  | 1              |
| <i>Surrogate</i>            | <i>%Recovery</i> | <i>Qualifier</i> | <i>Limits</i> |             |          | <i>Prepared</i> | <i>Analyzed</i> | <i>Dil Fac</i> |
| 2,4,6-Tribromophenol (Surr) | 71               |                  | 28 - 127      |             |          | 07/07/25 05:12  | 07/16/25 21:30  | 1              |
| 2-Fluorobiphenyl (Surr)     | 70               |                  | 31 - 120      |             |          | 07/07/25 05:12  | 07/16/25 21:30  | 1              |
| 2-Fluorophenol (Surr)       | 39               |                  | 17 - 120      |             |          | 07/07/25 05:12  | 07/16/25 21:30  | 1              |
| Nitrobenzene-d5 (Surr)      | 73               |                  | 27 - 120      |             |          | 07/07/25 05:12  | 07/16/25 21:30  | 1              |
| Phenol-d6 (Surr)            | 24               |                  | 10 - 120      |             |          | 07/07/25 05:12  | 07/16/25 21:30  | 1              |
| p-Terphenyl-d14 (Surr)      | 76               |                  | 45 - 120      |             |          | 07/07/25 05:12  | 07/16/25 21:30  | 1              |

Eurofins Eaton Analytical Pomona

# QC Sample Results

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

Job ID: 380-158426-1  
SDG: Weekly: Ka'amilo Wells Pump 1/Pump 2

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

Lab Sample ID: LCS 570-593529/2-A

Matrix: Water

Analysis Batch: 598195

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 593529

| Analyte                | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|------------------------|-------------|------------|---------------|------|---|------|-------------|
| 1-Methylnaphthalene    | 20.0        | 14.7       |               | ug/L |   | 73   | 47 - 120    |
| 2-Methylnaphthalene    | 20.0        | 14.1       |               | ug/L |   | 71   | 43 - 120    |
| Acenaphthene           | 20.0        | 17.4       |               | ug/L |   | 87   | 60 - 132    |
| Acenaphthylene         | 20.0        | 17.6       |               | ug/L |   | 88   | 54 - 126    |
| Anthracene             | 20.0        | 18.2       |               | ug/L |   | 91   | 43 - 120    |
| Benzo[a]anthracene     | 20.0        | 17.7       |               | ug/L |   | 89   | 42 - 133    |
| Benzo[a]pyrene         | 20.0        | 17.9       |               | ug/L |   | 90   | 32 - 148    |
| Benzo[b]fluoranthene   | 20.0        | 18.0       |               | ug/L |   | 90   | 42 - 140    |
| Benzo[g,h,i]perylene   | 20.0        | 17.4       |               | ug/L |   | 87   | 1 - 195     |
| Benzo[k]fluoranthene   | 20.0        | 17.9       |               | ug/L |   | 89   | 25 - 146    |
| Chrysene               | 20.0        | 18.0       |               | ug/L |   | 90   | 44 - 140    |
| Dibenz(a,h)anthracene  | 20.0        | 17.9       |               | ug/L |   | 89   | 1 - 200     |
| Fluoranthene           | 20.0        | 17.9       |               | ug/L |   | 90   | 43 - 121    |
| Fluorene               | 20.0        | 17.8       |               | ug/L |   | 89   | 70 - 120    |
| Indeno[1,2,3-cd]pyrene | 20.0        | 16.1       |               | ug/L |   | 81   | 1 - 151     |
| Naphthalene            | 20.0        | 14.4       |               | ug/L |   | 72   | 36 - 120    |
| Phenanthrene           | 20.0        | 17.7       |               | ug/L |   | 88   | 65 - 120    |
| Pyrene                 | 20.0        | 19.0       |               | ug/L |   | 95   | 70 - 120    |

| Surrogate                   | LCS %Recovery | LCS Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 2,4,6-Tribromophenol (Surr) | 89            |               | 28 - 127 |
| 2-Fluorobiphenyl (Surr)     | 86            |               | 31 - 120 |
| 2-Fluorophenol (Surr)       | 53            |               | 17 - 120 |
| Nitrobenzene-d5 (Surr)      | 74            |               | 27 - 120 |
| Phenol-d6 (Surr)            | 35            |               | 10 - 120 |
| p-Terphenyl-d14 (Surr)      | 88            |               | 45 - 120 |

Lab Sample ID: LCSD 570-593529/3-A

Matrix: Water

Analysis Batch: 598195

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 593529

| Analyte                | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | Limit |
|------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-------|
| 1-Methylnaphthalene    | 20.0        | 15.1        |                | ug/L |   | 76   | 47 - 120    | 3   | 20    |
| 2-Methylnaphthalene    | 20.0        | 14.7        |                | ug/L |   | 73   | 43 - 120    | 4   | 20    |
| Acenaphthene           | 20.0        | 18.0        |                | ug/L |   | 90   | 60 - 132    | 4   | 29    |
| Acenaphthylene         | 20.0        | 18.5        |                | ug/L |   | 92   | 54 - 126    | 5   | 45    |
| Anthracene             | 20.0        | 18.7        |                | ug/L |   | 93   | 43 - 120    | 3   | 40    |
| Benzo[a]anthracene     | 20.0        | 18.1        |                | ug/L |   | 91   | 42 - 133    | 2   | 32    |
| Benzo[a]pyrene         | 20.0        | 18.2        |                | ug/L |   | 91   | 32 - 148    | 2   | 43    |
| Benzo[b]fluoranthene   | 20.0        | 18.3        |                | ug/L |   | 92   | 42 - 140    | 2   | 43    |
| Benzo[g,h,i]perylene   | 20.0        | 18.2        |                | ug/L |   | 91   | 1 - 195     | 5   | 61    |
| Benzo[k]fluoranthene   | 20.0        | 18.8        |                | ug/L |   | 94   | 25 - 146    | 5   | 38    |
| Chrysene               | 20.0        | 18.3        |                | ug/L |   | 92   | 44 - 140    | 2   | 53    |
| Dibenz(a,h)anthracene  | 20.0        | 18.2        |                | ug/L |   | 91   | 1 - 200     | 2   | 75    |
| Fluoranthene           | 20.0        | 18.1        |                | ug/L |   | 91   | 43 - 121    | 1   | 40    |
| Fluorene               | 20.0        | 18.1        |                | ug/L |   | 90   | 70 - 120    | 2   | 23    |
| Indeno[1,2,3-cd]pyrene | 20.0        | 16.7        |                | ug/L |   | 84   | 1 - 151     | 4   | 60    |
| Naphthalene            | 20.0        | 14.6        |                | ug/L |   | 73   | 36 - 120    | 2   | 39    |

Eurofins Eaton Analytical Pomona

# QC Sample Results

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

Job ID: 380-158426-1  
SDG: Weekly: Ka'amilo Wells Pump 1/Pump 2

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

Lab Sample ID: LCSD 570-593529/3-A

Matrix: Water

Analysis Batch: 598195

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 593529

| Analyte      | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Phenanthrene | 20.0        | 18.1        |                | ug/L |   | 90   | 65 - 120    | 2   | 24        |
| Pyrene       | 20.0        | 18.9        |                | ug/L |   | 95   | 70 - 120    | 0   | 30        |

| Surrogate                   | LCSD %Recovery | LCSD Qualifier | Limits   |
|-----------------------------|----------------|----------------|----------|
| 2,4,6-Tribromophenol (Surr) | 89             |                | 28 - 127 |
| 2-Fluorobiphenyl (Surr)     | 89             |                | 31 - 120 |
| 2-Fluorophenol (Surr)       | 57             |                | 17 - 120 |
| Nitrobenzene-d5 (Surr)      | 76             |                | 27 - 120 |
| Phenol-d6 (Surr)            | 37             |                | 10 - 120 |
| p-Terphenyl-d14 (Surr)      | 91             |                | 45 - 120 |

Lab Sample ID: 570-237041-A-2-A MS

Matrix: Water

Analysis Batch: 598195

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 593529

| Analyte                | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| 1-Methylnaphthalene    | <0.20         |                  | 19.9        | 14.0      |              | ug/L |   | 70   | 36 - 120    |
| 2-Methylnaphthalene    | <0.20         |                  | 19.9        | 13.5      |              | ug/L |   | 68   | 32 - 124    |
| Acenaphthene           | <0.20         |                  | 19.9        | 16.1      |              | ug/L |   | 81   | 47 - 145    |
| Acenaphthylene         | <0.20         |                  | 19.9        | 14.3      |              | ug/L |   | 72   | 33 - 145    |
| Anthracene             | <0.20         |                  | 19.9        | 14.6      |              | ug/L |   | 74   | 27 - 133    |
| Benzo[a]anthracene     | <0.20         |                  | 19.9        | 15.5      |              | ug/L |   | 78   | 33 - 143    |
| Benzo[a]pyrene         | <0.20         |                  | 19.9        | 12.5      |              | ug/L |   | 63   | 17 - 163    |
| Benzo[b]fluoranthene   | <0.20         |                  | 19.9        | 14.9      |              | ug/L |   | 75   | 24 - 159    |
| Benzo[g,h,i]perylene   | <0.20         |                  | 19.9        | 16.0      |              | ug/L |   | 80   | 1 - 219     |
| Benzo[k]fluoranthene   | <0.20         |                  | 19.9        | 15.8      |              | ug/L |   | 79   | 11 - 162    |
| Chrysene               | <0.20         |                  | 19.9        | 16.1      |              | ug/L |   | 81   | 17 - 168    |
| Dibenz(a,h)anthracene  | <0.20         |                  | 19.9        | 15.9      |              | ug/L |   | 80   | 1 - 227     |
| Fluoranthene           | <0.20         |                  | 19.9        | 16.9      |              | ug/L |   | 85   | 26 - 137    |
| Fluorene               | <0.20         |                  | 19.9        | 16.1      |              | ug/L |   | 81   | 59 - 121    |
| Indeno[1,2,3-cd]pyrene | <0.20         |                  | 19.9        | 14.9      |              | ug/L |   | 75   | 1 - 171     |
| Naphthalene            | <0.20         |                  | 19.9        | 13.2      |              | ug/L |   | 66   | 21 - 133    |
| Phenanthrene           | <0.20         |                  | 19.9        | 16.3      |              | ug/L |   | 82   | 54 - 120    |
| Pyrene                 | <0.20         |                  | 19.9        | 16.9      |              | ug/L |   | 85   | 52 - 120    |

| Surrogate                   | MS %Recovery | MS Qualifier | Limits   |
|-----------------------------|--------------|--------------|----------|
| 2,4,6-Tribromophenol (Surr) | 77           |              | 28 - 127 |
| 2-Fluorobiphenyl (Surr)     | 74           |              | 31 - 120 |
| 2-Fluorophenol (Surr)       | 37           |              | 17 - 120 |
| Nitrobenzene-d5 (Surr)      | 61           |              | 27 - 120 |
| Phenol-d6 (Surr)            | 23           |              | 10 - 120 |
| p-Terphenyl-d14 (Surr)      | 72           |              | 45 - 120 |

# QC Sample Results

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

Job ID: 380-158426-1  
SDG: Weekly: Ka'amilo Wells Pump 1/Pump 2

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

Lab Sample ID: 570-237041-B-2-A MSD

Matrix: Water

Analysis Batch: 598195

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 593529

| Analyte                | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|------------------------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| 1-Methylnaphthalene    | <0.20         |                  | 20.1        | 14.3       |               | ug/L |   | 71   | 36 - 120    | 2   | 30        |
| 2-Methylnaphthalene    | <0.20         |                  | 20.1        | 13.8       |               | ug/L |   | 69   | 32 - 124    | 2   | 30        |
| Acenaphthene           | <0.20         |                  | 20.1        | 16.8       |               | ug/L |   | 84   | 47 - 145    | 4   | 48        |
| Acenaphthylene         | <0.20         |                  | 20.1        | 14.7       |               | ug/L |   | 73   | 33 - 145    | 2   | 74        |
| Anthracene             | <0.20         |                  | 20.1        | 15.2       |               | ug/L |   | 76   | 27 - 133    | 4   | 66        |
| Benzo[a]anthracene     | <0.20         |                  | 20.1        | 16.5       |               | ug/L |   | 82   | 33 - 143    | 6   | 53        |
| Benzo[a]pyrene         | <0.20         |                  | 20.1        | 13.1       |               | ug/L |   | 65   | 17 - 163    | 4   | 72        |
| Benzo[b]fluoranthene   | <0.20         |                  | 20.1        | 16.0       |               | ug/L |   | 80   | 24 - 159    | 7   | 71        |
| Benzo[g,h,i]perylene   | <0.20         |                  | 20.1        | 17.4       |               | ug/L |   | 87   | 1 - 219     | 9   | 97        |
| Benzo[k]fluoranthene   | <0.20         |                  | 20.1        | 16.7       |               | ug/L |   | 83   | 11 - 162    | 5   | 63        |
| Chrysene               | <0.20         |                  | 20.1        | 17.5       |               | ug/L |   | 87   | 17 - 168    | 8   | 87        |
| Dibenz(a,h)anthracene  | <0.20         |                  | 20.1        | 17.4       |               | ug/L |   | 87   | 1 - 227     | 9   | 126       |
| Fluoranthene           | <0.20         |                  | 20.1        | 17.6       |               | ug/L |   | 88   | 26 - 137    | 4   | 66        |
| Fluorene               | <0.20         |                  | 20.1        | 17.2       |               | ug/L |   | 86   | 59 - 121    | 7   | 38        |
| Indeno[1,2,3-cd]pyrene | <0.20         |                  | 20.1        | 16.1       |               | ug/L |   | 80   | 1 - 171     | 8   | 99        |
| Naphthalene            | <0.20         |                  | 20.1        | 13.5       |               | ug/L |   | 67   | 21 - 133    | 3   | 65        |
| Phenanthrene           | <0.20         |                  | 20.1        | 17.3       |               | ug/L |   | 86   | 54 - 120    | 6   | 39        |
| Pyrene                 | <0.20         |                  | 20.1        | 17.6       |               | ug/L |   | 87   | 52 - 120    | 4   | 49        |

| Surrogate                   | MSD %Recovery | MSD Qualifier | MSD Limits |
|-----------------------------|---------------|---------------|------------|
| 2,4,6-Tribromophenol (Surr) | 81            |               | 28 - 127   |
| 2-Fluorobiphenyl (Surr)     | 79            |               | 31 - 120   |
| 2-Fluorophenol (Surr)       | 42            |               | 17 - 120   |
| Nitrobenzene-d5 (Surr)      | 65            |               | 27 - 120   |
| Phenol-d6 (Surr)            | 25            |               | 10 - 120   |
| p-Terphenyl-d14 (Surr)      | 75            |               | 45 - 120   |

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

Lab Sample ID: MB 570-594825/7

Matrix: Water

Analysis Batch: 594825

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                     | MB Result    | MB Qualifier | RL       | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|----------|------|---|----------|----------------|---------|
| GRO (C6-C10)                | <10          |              | 10       | ug/L |   |          | 07/09/25 14:40 | 1       |
| Surrogate                   | MB %Recovery | MB Qualifier | Limits   |      |   | Prepared | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 62           |              | 38 - 134 |      |   |          | 07/09/25 14:40 | 1       |

Lab Sample ID: LCS 570-594825/5

Matrix: Water

Analysis Batch: 594825

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         | 442        |               | ug/L |   | 110  | 78 - 120    |

Eurofins Eaton Analytical Pomona

# QC Sample Results

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

Job ID: 380-158426-1  
SDG: Weekly: Ka'amilo Wells Pump 1/Pump 2

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

Lab Sample ID: LCS 570-594825/5

Matrix: Water

Analysis Batch: 594825

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

|                             | LCS       | LCS       |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | Qualifier | Limits   |
| 4-Bromofluorobenzene (Surr) | 81        |           | 38 - 134 |

Lab Sample ID: LCSD 570-594825/6

Matrix: Water

Analysis Batch: 594825

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                          |           | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------------------------------|-----------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (C4-C13) |           | 400         | 435         |                | ug/L |   | 109  | 78 - 120    | 1   | 10        |
| Surrogate                        | LCSD      | LCSD        |             |                |      |   |      |             |     |           |
|                                  | %Recovery | Qualifier   | Limits      |                |      |   |      |             |     |           |
| 4-Bromofluorobenzene (Surr)      | 87        |             | 38 - 134    |                |      |   |      |             |     |           |

Lab Sample ID: MRL 570-594825/4

Matrix: Water

Analysis Batch: 594825

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                          |           | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec Limits |  |  |
|----------------------------------|-----------|-------------|------------|---------------|------|---|------|-------------|--|--|
| Gasoline Range Organics (C4-C13) |           | 10.0        | 12.1       |               | ug/L |   | 121  | 50 - 150    |  |  |
| Surrogate                        | MRL       | MRL         |            |               |      |   |      |             |  |  |
|                                  | %Recovery | Qualifier   | Limits     |               |      |   |      |             |  |  |
| 4-Bromofluorobenzene (Surr)      | 68        |             | 38 - 134   |               |      |   |      |             |  |  |

Lab Sample ID: 570-236577-C-1 MS

Matrix: Water

Analysis Batch: 594825

Client Sample ID: Matrix Spike

Prep Type: Total/NA

| Analyte                          | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |  |  |
|----------------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|--|--|
| Gasoline Range Organics (C4-C13) | <10           |                  | 400         | 405       |              | ug/L |   | 101  | 68 - 122    |  |  |
| Surrogate                        | MS            | MS               |             |           |              |      |   |      |             |  |  |
|                                  | %Recovery     | Qualifier        | Limits      |           |              |      |   |      |             |  |  |
| 4-Bromofluorobenzene (Surr)      | 87            |                  | 38 - 134    |           |              |      |   |      |             |  |  |

Lab Sample ID: 570-236577-F-1 MSD

Matrix: Water

Analysis Batch: 594825

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

| Analyte                          | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------------------------------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (C4-C13) | <10           |                  | 400         | 410        |               | ug/L |   | 102  | 68 - 122    | 1   | 18        |
| Surrogate                        | MSD           | MSD              |             |            |               |      |   |      |             |     |           |
|                                  | %Recovery     | Qualifier        | Limits      |            |               |      |   |      |             |     |           |
| 4-Bromofluorobenzene (Surr)      | 87            |                  | 38 - 134    |            |               |      |   |      |             |     |           |

# QC Sample Results

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

Job ID: 380-158426-1  
SDG: Weekly: Ka'amilo Wells Pump 1/Pump 2

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

Lab Sample ID: MB 570-596498/6

Matrix: Water

Analysis Batch: 596498

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                     | MB Result | MB Qualifier | RL       | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|-----------|--------------|----------|------|---|----------|----------------|---------|
| GRO (C6-C10)                | <10       |              | 10       | ug/L |   |          | 07/13/25 13:29 | 1       |
| Surrogate                   | %Recovery | MB Qualifier | Limits   |      |   | Prepared | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 66        |              | 38 - 134 |      |   |          | 07/13/25 13:29 | 1       |

Lab Sample ID: LCS 570-596498/4

Matrix: Water

Analysis Batch: 596498

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         | 420           |               | ug/L |   | 105  | 78 - 120    |
| Surrogate                        | %Recovery   | LCS Qualifier | Limits        |      |   |      |             |
| 4-Bromofluorobenzene (Surr)      | 78          |               | 38 - 134      |      |   |      |             |

Lab Sample ID: LCSD 570-596498/5

Matrix: Water

Analysis Batch: 596498

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                          | Spike Added | LCSD Result    | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------------------------------|-------------|----------------|----------------|------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (C4-C13) | 400         | 417            |                | ug/L |   | 104  | 78 - 120    | 1   | 10        |
| Surrogate                        | %Recovery   | LCSD Qualifier | Limits         |      |   |      |             |     |           |
| 4-Bromofluorobenzene (Surr)      | 83          |                | 38 - 134       |      |   |      |             |     |           |

Lab Sample ID: MRL 570-596498/3

Matrix: Water

Analysis Batch: 596498

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                          | Spike Added | MRL Result    | MRL Qualifier | Unit | D | %Rec | %Rec Limits |
|----------------------------------|-------------|---------------|---------------|------|---|------|-------------|
| Gasoline Range Organics (C4-C13) | 10.0        | 14.4          |               | ug/L |   | 144  | 50 - 150    |
| Surrogate                        | %Recovery   | MRL Qualifier | Limits        |      |   |      |             |
| 4-Bromofluorobenzene (Surr)      | 66          |               | 38 - 134      |      |   |      |             |

Lab Sample ID: 380-158440-C-1 MS

Matrix: Water

Analysis Batch: 596498

Client Sample ID: Matrix Spike

Prep Type: Total/NA

| Analyte                          | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Gasoline Range Organics (C4-C13) | <10           |                  | 400         | 413       |              | ug/L |   | 103  | 68 - 122    |
| Surrogate                        | %Recovery     | MS Qualifier     | Limits      |           |              |      |   |      |             |
| 4-Bromofluorobenzene (Surr)      | 86            |                  | 38 - 134    |           |              |      |   |      |             |

Eurofins Eaton Analytical Pomona

# QC Sample Results

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

Job ID: 380-158426-1  
SDG: Weekly: Ka'amilo Wells Pump 1/Pump 2

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

Lab Sample ID: 380-158440-C-1 MSD

Matrix: Water

Analysis Batch: 596498

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

| Analyte                          | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|----------------------------------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (C4-C13) | <10           |                  | 400         | 402        |               | ug/L |   | 101  | 68 - 122    | 3   | 18        |
| Surrogate                        | MSD %Recovery | MSD Qualifier    | Limits      |            |               |      |   |      |             |     |           |
| 4-Bromofluorobenzene (Surr)      | 85            |                  | 38 - 134    |            |               |      |   |      |             |     |           |

# QC Association Summary

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

Job ID: 380-158426-1  
SDG: Weekly: Ka'amilo Wells Pump 1/Pump 2

## GC/MS Semi VOA

### Prep Batch: 161526

| Lab Sample ID        | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| 380-158426-1         | Ka'amilo Wells Pump 1  | Total/NA  | Water  | 525.2  |            |
| 380-158426-3         | Ka'amilo Wells Pump 2  | Total/NA  | Water  | 525.2  |            |
| MB 380-161526/21-A   | Method Blank           | Total/NA  | Water  | 525.2  |            |
| LCS 380-161526/23-A  | Lab Control Sample     | Total/NA  | Water  | 525.2  |            |
| LCSD 380-161526/24-A | Lab Control Sample Dup | Total/NA  | Water  | 525.2  |            |
| MRL 380-161526/22-A  | Lab Control Sample     | Total/NA  | Water  | 525.2  |            |
| 380-158427-R-1-A MS  | Matrix Spike           | Total/NA  | Water  | 525.2  |            |
| 380-158427-S-1-A MSD | Matrix Spike Duplicate | Total/NA  | Water  | 525.2  |            |

### Analysis Batch: 161686

| Lab Sample ID        | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| 380-158426-1         | Ka'amilo Wells Pump 1  | Total/NA  | Water  | 525.2  | 161526     |
| 380-158426-3         | Ka'amilo Wells Pump 2  | Total/NA  | Water  | 525.2  | 161526     |
| MB 380-161526/21-A   | Method Blank           | Total/NA  | Water  | 525.2  | 161526     |
| LCS 380-161526/23-A  | Lab Control Sample     | Total/NA  | Water  | 525.2  | 161526     |
| LCSD 380-161526/24-A | Lab Control Sample Dup | Total/NA  | Water  | 525.2  | 161526     |
| MRL 380-161526/22-A  | Lab Control Sample     | Total/NA  | Water  | 525.2  | 161526     |
| 380-158427-R-1-A MS  | Matrix Spike           | Total/NA  | Water  | 525.2  | 161526     |
| 380-158427-S-1-A MSD | Matrix Spike Duplicate | Total/NA  | Water  | 525.2  | 161526     |

### Analysis Batch: 161917

| Lab Sample ID       | Client Sample ID      | Prep Type | Matrix | Method | Prep Batch |
|---------------------|-----------------------|-----------|--------|--------|------------|
| 380-158426-1        | Ka'amilo Wells Pump 1 | Total/NA  | Water  | 525.2  | 161526     |
| 380-158426-3        | Ka'amilo Wells Pump 2 | Total/NA  | Water  | 525.2  | 161526     |
| MRL 380-161526/22-A | Lab Control Sample    | Total/NA  | Water  | 525.2  | 161526     |

### Prep Batch: 593529

| Lab Sample ID        | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| 380-158426-1         | Ka'amilo Wells Pump 1  | Total/NA  | Water  | 625.1  |            |
| 380-158426-3         | Ka'amilo Wells Pump 2  | Total/NA  | Water  | 625.1  |            |
| MB 570-593529/1-A    | Method Blank           | Total/NA  | Water  | 625.1  |            |
| LCS 570-593529/2-A   | Lab Control Sample     | Total/NA  | Water  | 625.1  |            |
| LCSD 570-593529/3-A  | Lab Control Sample Dup | Total/NA  | Water  | 625.1  |            |
| 570-237041-A-2-A MS  | Matrix Spike           | Total/NA  | Water  | 625.1  |            |
| 570-237041-B-2-A MSD | Matrix Spike Duplicate | Total/NA  | Water  | 625.1  |            |

### Analysis Batch: 598195

| Lab Sample ID        | Client Sample ID       | Prep Type | Matrix | Method    | Prep Batch |
|----------------------|------------------------|-----------|--------|-----------|------------|
| 380-158426-1         | Ka'amilo Wells Pump 1  | Total/NA  | Water  | 625.1 SIM | 593529     |
| 380-158426-3         | Ka'amilo Wells Pump 2  | Total/NA  | Water  | 625.1 SIM | 593529     |
| MB 570-593529/1-A    | Method Blank           | Total/NA  | Water  | 625.1 SIM | 593529     |
| LCS 570-593529/2-A   | Lab Control Sample     | Total/NA  | Water  | 625.1 SIM | 593529     |
| LCSD 570-593529/3-A  | Lab Control Sample Dup | Total/NA  | Water  | 625.1 SIM | 593529     |
| 570-237041-A-2-A MS  | Matrix Spike           | Total/NA  | Water  | 625.1 SIM | 593529     |
| 570-237041-B-2-A MSD | Matrix Spike Duplicate | Total/NA  | Water  | 625.1 SIM | 593529     |

### Analysis Batch: 598423

| Lab Sample ID     | Client Sample ID      | Prep Type | Matrix | Method | Prep Batch |
|-------------------|-----------------------|-----------|--------|--------|------------|
| 380-158426-1      | Ka'amilo Wells Pump 1 | Total/NA  | Water  | 625.1  | 593529     |
| 380-158426-3      | Ka'amilo Wells Pump 2 | Total/NA  | Water  | 625.1  | 593529     |
| MB 570-593529/1-A | Method Blank          | Total/NA  | Water  | 625.1  | 593529     |

Eurofins Eaton Analytical Pomona

## QC Association Summary

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

Job ID: 380-158426-1  
SDG: Weekly: Ka'amilo Wells Pump 1/Pump 2

### GC VOA

#### Analysis Batch: 594825

| Lab Sample ID      | Client Sample ID          | Prep Type | Matrix | Method       | Prep Batch |
|--------------------|---------------------------|-----------|--------|--------------|------------|
| 380-158426-2       | TB: Ka'amilo Wells Pump 1 | Total/NA  | Water  | 8015B GRO LL |            |
| 380-158426-4       | TB: Ka'amilo Wells Pump 2 | Total/NA  | Water  | 8015B GRO LL |            |
| MB 570-594825/7    | Method Blank              | Total/NA  | Water  | 8015B GRO LL |            |
| LCS 570-594825/5   | Lab Control Sample        | Total/NA  | Water  | 8015B GRO LL |            |
| LCSD 570-594825/6  | Lab Control Sample Dup    | Total/NA  | Water  | 8015B GRO LL |            |
| MRL 570-594825/4   | Lab Control Sample        | Total/NA  | Water  | 8015B GRO LL |            |
| 570-236577-C-1 MS  | Matrix Spike              | Total/NA  | Water  | 8015B GRO LL |            |
| 570-236577-F-1 MSD | Matrix Spike Duplicate    | Total/NA  | Water  | 8015B GRO LL |            |

#### Analysis Batch: 596498

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method       | Prep Batch |
|--------------------|------------------------|-----------|--------|--------------|------------|
| 380-158426-1       | Ka'amilo Wells Pump 1  | Total/NA  | Water  | 8015B GRO LL |            |
| 380-158426-3       | Ka'amilo Wells Pump 2  | Total/NA  | Water  | 8015B GRO LL |            |
| MB 570-596498/6    | Method Blank           | Total/NA  | Water  | 8015B GRO LL |            |
| LCS 570-596498/4   | Lab Control Sample     | Total/NA  | Water  | 8015B GRO LL |            |
| LCSD 570-596498/5  | Lab Control Sample Dup | Total/NA  | Water  | 8015B GRO LL |            |
| MRL 570-596498/3   | Lab Control Sample     | Total/NA  | Water  | 8015B GRO LL |            |
| 380-158440-C-1 MS  | Matrix Spike           | Total/NA  | Water  | 8015B GRO LL |            |
| 380-158440-C-1 MSD | Matrix Spike Duplicate | Total/NA  | Water  | 8015B GRO LL |            |

# Lab Chronicle

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

Job ID: 380-158426-1  
SDG: Weekly: Ka'amilo Wells Pump 1/Pump 2

**Client Sample ID: Ka'amilo Wells Pump 1**

**Lab Sample ID: 380-158426-1**

**Date Collected: 06/30/25 11:53**

**Matrix: Water**

**Date Received: 07/03/25 09:42**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab       | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|-----------|----------------------|
| Total/NA  | Prep       | 525.2        |     |                 | 161526       | IQ42    | EA POM    | 07/08/25 13:40       |
| Total/NA  | Analysis   | 525.2        |     | 1               | 161917       | Q8LA    | EA POM    | 07/10/25 10:38       |
| Total/NA  | Prep       | 525.2        |     |                 | 161526       | IQ42    | EA POM    | 07/08/25 13:40       |
| Total/NA  | Analysis   | 525.2        |     | 1               | 161686       | Q8LA    | EA POM    | 07/09/25 15:30       |
| Total/NA  | Prep       | 625.1        |     |                 | 593529       | H1SH    | EET CAL 4 | 07/07/25 05:12       |
| Total/NA  | Analysis   | 625.1        |     | 1               | 598423       | J7WE    | EET CAL 4 | 07/17/25 11:15       |
| Total/NA  | Prep       | 625.1        |     |                 | 593529       | H1SH    | EET CAL 4 | 07/07/25 05:12       |
| Total/NA  | Analysis   | 625.1 SIM    |     | 1               | 598195       | AX7Z    | EET CAL 4 | 07/17/25 00:07       |
| Total/NA  | Analysis   | 8015B GRO LL |     | 1               | 596498       | W4LC    | EET CAL 4 | 07/13/25 13:51       |

**Client Sample ID: TB: Ka'amilo Wells Pump 1**

**Lab Sample ID: 380-158426-2**

**Date Collected: 06/30/25 11:53**

**Matrix: Water**

**Date Received: 07/03/25 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               | 594825       | A9VE    | EET CAL 4 | 07/09/25 17:08       |

**Client Sample ID: Ka'amilo Wells Pump 2**

**Lab Sample ID: 380-158426-3**

**Date Collected: 06/30/25 12:28**

**Matrix: Water**

**Date Received: 07/03/25 09:42**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab       | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|-----------|----------------------|
| Total/NA  | Prep       | 525.2        |     |                 | 161526       | IQ42    | EA POM    | 07/08/25 13:40       |
| Total/NA  | Analysis   | 525.2        |     | 1               | 161917       | Q8LA    | EA POM    | 07/10/25 10:58       |
| Total/NA  | Prep       | 525.2        |     |                 | 161526       | IQ42    | EA POM    | 07/08/25 13:40       |
| Total/NA  | Analysis   | 525.2        |     | 1               | 161686       | Q8LA    | EA POM    | 07/09/25 15:51       |
| Total/NA  | Prep       | 625.1        |     |                 | 593529       | H1SH    | EET CAL 4 | 07/07/25 05:12       |
| Total/NA  | Analysis   | 625.1        |     | 1               | 598423       | J7WE    | EET CAL 4 | 07/17/25 11:39       |
| Total/NA  | Prep       | 625.1        |     |                 | 593529       | H1SH    | EET CAL 4 | 07/07/25 05:12       |
| Total/NA  | Analysis   | 625.1 SIM    |     | 1               | 598195       | AX7Z    | EET CAL 4 | 07/17/25 00:29       |
| Total/NA  | Analysis   | 8015B GRO LL |     | 1               | 596498       | W4LC    | EET CAL 4 | 07/13/25 14:14       |

**Client Sample ID: TB: Ka'amilo Wells Pump 2**

**Lab Sample ID: 380-158426-4**

**Date Collected: 06/30/25 12:28**

**Matrix: Water**

**Date Received: 07/03/25 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               | 594825       | A9VE    | EET CAL 4 | 07/09/25 17:30       |

## Laboratory References:

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

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

Eurofins Eaton Analytical Pomona

# Accreditation/Certification Summary

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

Job ID: 380-158426-1  
SDG: Weekly: Ka'amilo Wells Pump 1/Pump 2

## Laboratory: Eurofins Eaton Analytical Pomona

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

| Authority                                                                                                                                                                                             | Program     | Identification Number | Expiration Date                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------|----------------------------------|
| Hawaii                                                                                                                                                                                                | State       | CA00006               | 01-31-26                         |
| The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification. |             |                       |                                  |
| Analysis Method                                                                                                                                                                                       | Prep Method | Matrix                | Analyte                          |
| 525.2                                                                                                                                                                                                 | 525.2       | Water                 | 1-Methylnaphthalene              |
| 525.2                                                                                                                                                                                                 | 525.2       | Water                 | 2,4'-DDD                         |
| 525.2                                                                                                                                                                                                 | 525.2       | Water                 | 2,4'-DDE                         |
| 525.2                                                                                                                                                                                                 | 525.2       | Water                 | 2,4'-DDT                         |
| 525.2                                                                                                                                                                                                 | 525.2       | Water                 | 2,4-Dinitrotoluene               |
| 525.2                                                                                                                                                                                                 | 525.2       | Water                 | 2,6-Dinitrotoluene               |
| 525.2                                                                                                                                                                                                 | 525.2       | Water                 | 2-Methylnaphthalene              |
| 525.2                                                                                                                                                                                                 | 525.2       | Water                 | 4,4'-DDD                         |
| 525.2                                                                                                                                                                                                 | 525.2       | Water                 | 4,4'-DDE                         |
| 525.2                                                                                                                                                                                                 | 525.2       | Water                 | 4,4'-DDT                         |
| 525.2                                                                                                                                                                                                 | 525.2       | Water                 | Acetochlor                       |
| 525.2                                                                                                                                                                                                 | 525.2       | Water                 | alpha-BHC                        |
| 525.2                                                                                                                                                                                                 | 525.2       | Water                 | alpha-Chlordane                  |
| 525.2                                                                                                                                                                                                 | 525.2       | Water                 | beta-BHC                         |
| 525.2                                                                                                                                                                                                 | 525.2       | Water                 | Chlorobenzilate                  |
| 525.2                                                                                                                                                                                                 | 525.2       | Water                 | Chloroneb                        |
| 525.2                                                                                                                                                                                                 | 525.2       | Water                 | Chlorothalonil (Draconil, Bravo) |
| 525.2                                                                                                                                                                                                 | 525.2       | Water                 | Chlorpyrifos                     |
| 525.2                                                                                                                                                                                                 | 525.2       | Water                 | delta-BHC                        |
| 525.2                                                                                                                                                                                                 | 525.2       | Water                 | Diclorvos (DDVP)                 |
| 525.2                                                                                                                                                                                                 | 525.2       | Water                 | Endosulfan I (Alpha)             |
| 525.2                                                                                                                                                                                                 | 525.2       | Water                 | Endosulfan II (Beta)             |
| 525.2                                                                                                                                                                                                 | 525.2       | Water                 | Endosulfan sulfate               |
| 525.2                                                                                                                                                                                                 | 525.2       | Water                 | Endrin aldehyde                  |
| 525.2                                                                                                                                                                                                 | 525.2       | Water                 | EPTC                             |
| 525.2                                                                                                                                                                                                 | 525.2       | Water                 | gamma-Chlordane                  |
| 525.2                                                                                                                                                                                                 | 525.2       | Water                 | Isophorone                       |
| 525.2                                                                                                                                                                                                 | 525.2       | Water                 | Malathion                        |
| 525.2                                                                                                                                                                                                 | 525.2       | Water                 | Parathion                        |
| 525.2                                                                                                                                                                                                 | 525.2       | Water                 | Pendimethalin (Penoxaline)       |
| 525.2                                                                                                                                                                                                 | 525.2       | Water                 | Terbacil                         |
| 525.2                                                                                                                                                                                                 | 525.2       | Water                 | Terbutylazine                    |
| 525.2                                                                                                                                                                                                 | 525.2       | Water                 | Total Permethrin (mixed isomers) |
| 525.2                                                                                                                                                                                                 | 525.2       | Water                 | trans-Nonachlor                  |

## Laboratory: Eurofins Calscience

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

| Authority    | Program                                 | Identification Number | Expiration Date |
|--------------|-----------------------------------------|-----------------------|-----------------|
| A2LA         | Dept. of Defense ELAP                   | 7296.01               | 11-30-26        |
| A2LA         | ISO/IEC 17025                           | 7296.01               | 11-30-26        |
| Alaska (UST) | State                                   | 25-005                | 03-02-26        |
| Arizona      | State                                   | AZ0830                | 11-16-25        |
| California   | Los Angeles County Sanitation Districts | 9257304               | 07-31-26        |
| California   | SCAQMD LAP                              | 17LA0919              | 11-30-25        |
| California   | State                                   | 3082                  | 07-31-26        |

Eurofins Eaton Analytical Pomona

## Accreditation/Certification Summary

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

Job ID: 380-158426-1  
SDG: Weekly: Ka'amilo 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               | 07-31-25        |
| Nevada     | State               | CA00111               | 07-31-25        |
| Oregon     | NELAP               | 4175                  | 02-02-26        |
| USDA       | US Federal Programs | 525-23-159-97150      | 06-08-26        |
| Utah       | NELAP               | CA00111               | 02-28-26        |
| Washington | State               | C916                  | 10-11-25        |

# Method Summary

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

Job ID: 380-158426-1  
SDG: Weekly: Ka'amilo 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  |
| 5030C        | Purge and Trap                             | SW846     | EET CAL 4  |
| 525.2        | Extraction of Semivolatile Compounds       | EPA       | EA POM     |
| 625.1        | Liquid-Liquid Extraction                   | 40CFR136A | EET CAL 4  |

## Protocol References:

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

EPA = US Environmental Protection Agency

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

## Laboratory References:

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

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

# Sample Summary

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

Job ID: 380-158426-1  
SDG: Weekly: Ka'amilo Wells Pump 1/Pump 2

| Lab Sample ID | Client Sample ID          | Matrix | Collected      | Received       |
|---------------|---------------------------|--------|----------------|----------------|
| 380-158426-1  | Ka'amilo Wells Pump 1     | Water  | 06/30/25 11:53 | 07/03/25 09:42 |
| 380-158426-2  | TB: Ka'amilo Wells Pump 1 | Water  | 06/30/25 11:53 | 07/03/25 09:42 |
| 380-158426-3  | Ka'amilo Wells Pump 2     | Water  | 06/30/25 12:28 | 07/03/25 09:42 |
| 380-158426-4  | TB: Ka'amilo Wells Pump 2 | Water  | 06/30/25 12:28 | 07/03/25 09:42 |

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

- 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: 626-386-1100

## Chain of Custody Record



eurofins

Environment Testing

Loc: 380

158426

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                                                                  |                   |                                                                                                                                                                        |                                                                  |                                                                                                                                      |                            |                                                               |                             |                                          |                            |                                                                 |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------------------------------------|-----------------------------|------------------------------------------|----------------------------|-----------------------------------------------------------------|--|
| <b>Client Information (Sub Contract Lab)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | Sampler:<br>N/A                                                  |                   | Lab PM:<br>Lopez, Maria                                                                                                                                                |                                                                  | Carrier Tracking No(s):<br>N/A                                                                                                       |                            | COC No:<br>380-228178.1                                       |                             |                                          |                            |                                                                 |  |
| Client Contact:<br>Shipping/Receiving                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  | Phone:<br>N/A                                                    |                   | E-Mail:<br>Maria.Lopez@et.eurofinsus.com                                                                                                                               |                                                                  | State of Origin:<br>Hawaii                                                                                                           |                            | Page:<br>Page 1 of 1                                          |                             |                                          |                            |                                                                 |  |
| Company:<br>Eurofins Environment Testing Southwest,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                                                  |                   | Accreditations Required (See note):<br>State - Hawaii                                                                                                                  |                                                                  |                                                                                                                                      |                            | Job #:<br>380-158426-1                                        |                             |                                          |                            |                                                                 |  |
| Address:<br>2841 Dow Avenue, Suite 100,<br>City:<br>Tustin<br>State, Zip:<br>CA, 92780<br>Phone:<br>714-895-5494(Tel)<br>Email:<br>N/A<br>Project Name:<br>RED-HILL<br>Site:<br>Honolulu BWS Sites                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  | Due Date Requested:<br>7/17/2025<br>TAT Requested (days):<br>N/A |                   | Analysis Requested                                                                                                                                                     |                                                                  |                                                                                                                                      |                            |                                                               |                             | Preservation Codes:                      |                            |                                                                 |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  | PO #:<br>N/A                                                     |                   | Perform MS/MSD (Yes or No)<br>8015B_GRO_LL_CS3510C_LLHNL Ranges: C10-<br>C24/C24-C36/C4-C18<br>8015B_GRO_LLJ5030C(MOD) GRO<br>625.1_SIM625_Prep(MOD) Extended PAH List |                                                                  |                                                                                                                                      |                            |                                                               |                             | Other:<br>N/A                            |                            |                                                                 |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  | WC #:<br>N/A                                                     |                   |                                                                                                                                                                        |                                                                  |                                                                                                                                      |                            |                                                               |                             |                                          |                            |                                                                 |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  | Project #:<br>38001111                                           |                   |                                                                                                                                                                        |                                                                  |                                                                                                                                      |                            |                                                               |                             |                                          |                            |                                                                 |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  | SSOW#:<br>N/A                                                    |                   |                                                                                                                                                                        |                                                                  |                                                                                                                                      |                            |                                                               |                             |                                          |                            |                                                                 |  |
| Sample Identification - Client ID (Lab ID)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | Sample Date                                                      | Sample Time       | Sample Type<br>(C=Comp, G=grab)                                                                                                                                        | Matrix<br>(W=water, S=solid, G=soils/sediment, BT=Tissue, A=Air) | Field Filtered Sample (Yes or No)                                                                                                    | Perform MS/MSD (Yes or No) | 8015B_GRO_LL_CS3510C_LLHNL Ranges: C10-<br>C24/C24-C36/C4-C18 | 8015B_GRO_LLJ5030C(MOD) GRO | 625.1_SIM625_Prep(MOD) Extended PAH List | Total Number of Containers | Special Instructions/Note:                                      |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                                                                  |                   | Preservation Code:                                                                                                                                                     |                                                                  |                                                                                                                                      |                            |                                                               |                             |                                          |                            |                                                                 |  |
| Ka'amilo Wells Pump 1 (380-158426-1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  | 6/30/25                                                          | 11:53<br>Hawaiian | G                                                                                                                                                                      | Water                                                            |                                                                                                                                      | X                          | X                                                             | X                           |                                          | 7                          | MRLs are needed. Confirm any hits >RL.                          |  |
| TB: Ka'amilo Wells Pump 1 (380-158426-2)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  | 6/30/25                                                          | 11:53<br>Hawaiian | G                                                                                                                                                                      | Water                                                            |                                                                                                                                      |                            | X                                                             |                             |                                          | 2                          | MRLs are needed.                                                |  |
| Ka'amilo Wells Pump 2 (380-158426-3)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  | 6/30/25                                                          | 12:28<br>Hawaiian | G                                                                                                                                                                      | Water                                                            |                                                                                                                                      | X                          | X                                                             | X                           |                                          | 7                          | MRLs are needed. Confirm any hits >RL.                          |  |
| TB: Ka'amilo Wells Pump 2 (380-158426-4)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  | 6/30/25                                                          | 12:28<br>Hawaiian | G                                                                                                                                                                      | Water                                                            |                                                                                                                                      |                            | X                                                             |                             |                                          | 2                          | MRLs are needed.                                                |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                                                                  |                   |                                                                                                                                                                        |                                                                  |                                                                                                                                      |                            |                                                               |                             |                                          |                            |                                                                 |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                                                                  |                   |                                                                                                                                                                        |                                                                  |                                                                                                                                      |                            |                                                               |                             |                                          |                            |                                                                 |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                                                                  |                   |                                                                                                                                                                        |                                                                  |                                                                                                                                      |                            |                                                               |                             |                                          |                            |                                                                 |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                                                                  |                   |                                                                                                                                                                        |                                                                  |                                                                                                                                      |                            |                                                               |                             |                                          |                            |                                                                 |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                                                                  |                   |                                                                                                                                                                        |                                                                  |                                                                                                                                      |                            |                                                               |                             |                                          |                            |                                                                 |  |
| <br>380-158426 Chain of Custody                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                                                  |                   |                                                                                                                                                                        |                                                                  |                                                                                                                                      |                            |                                                               |                             |                                          |                            |                                                                 |  |
| Note: Since laboratory accreditations are subject to change, Eurofins Eaton Analytical, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Eaton Analytical, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Eaton Analytical, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Eaton Analytical, LLC. |  |                                                                  |                   |                                                                                                                                                                        |                                                                  |                                                                                                                                      |                            |                                                               |                             |                                          |                            |                                                                 |  |
| <b>Possible Hazard Identification</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                                                  |                   |                                                                                                                                                                        |                                                                  | <b>Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)</b>                                           |                            |                                                               |                             |                                          |                            |                                                                 |  |
| Unconfirmed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                                                                  |                   |                                                                                                                                                                        |                                                                  | <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months |                            |                                                               |                             |                                          |                            |                                                                 |  |
| Deliverable Requested: I, II, III, IV, Other (specify)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                                  |                   |                                                                                                                                                                        |                                                                  | Primary Deliverable Rank: 2                                                                                                          |                            |                                                               |                             |                                          |                            | Special Instructions/QC Requirements:                           |  |
| Empty Kit Relinquished by:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |                                                                  |                   |                                                                                                                                                                        |                                                                  | Date:                                                                                                                                |                            | Time:                                                         |                             | Method of Shipment:                      |                            |                                                                 |  |
| Relinquished by: <i>Margaret Makurath</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                                                  |                   |                                                                                                                                                                        |                                                                  | Date/Time: <i>7/3/25 1500</i>                                                                                                        |                            | Company: <i>EEHP</i>                                          |                             | Received by: <i>Carli L</i>              |                            | Date/Time: <i>7/3/25 1500</i> Company: <i>WP</i>                |  |
| Relinquished by: <i>Carli Leri</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                                                                  |                   |                                                                                                                                                                        |                                                                  | Date/Time: <i>7/3/25 1608</i>                                                                                                        |                            | Company: <i>WP</i>                                            |                             | Received by: <i>A L</i>                  |                            | Date/Time: <i>7-3-25 16:08</i> Company: <i>EC</i>               |  |
| Relinquished by:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                                                                  |                   |                                                                                                                                                                        |                                                                  | Date/Time:                                                                                                                           |                            | Company:                                                      |                             | Received by:                             |                            | Date/Time: Company:                                             |  |
| Custody Seals Intact:<br>Δ Yes Δ No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                                                  |                   |                                                                                                                                                                        |                                                                  | Custody Seal No.:                                                                                                                    |                            |                                                               |                             |                                          |                            | Cooler Temperature(s) °C and Other Remarks: <i>2-1/2-1 IR92</i> |  |

QFG3

## Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-158426-1

SDG Number: Weekly: Ka'amilo Wells Pump 1/Pump 2

**Login Number: 158426**

**List Number: 1**

**Creator: Hernandez, Orlando**

**List Source: Eurofins Eaton Analytical Pomona**

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The coolers custody seal, if present, is intact.                                 | N/A    |         |
| Sample custody seals, if present, are intact.                                    | N/A    |         |
| Samples were received on ice.                                                    | True   |         |
| Cooler(s) Temperature is acceptable.                                             | True   |         |
| Cooler(s) Temperature is recorded.                                               | True   |         |
| COC is present.                                                                  | True   |         |
| COC is filled out in ink and is legible.                                         | True   |         |
| COC is filled out with all pertinent information.                                | True   |         |
| There are no discrepancies between the containers received and the COC.          | 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: 380-158426-1

SDG Number: Weekly: Ka'amilo Wells Pump 1/Pump 2

**Login Number: 158426**

**List Number: 2**

**Creator: Judkins, Julianne**

**List Source: Eurofins Calscience**

**List Creation: 07/03/25 05:27 PM**

| Question                                                                                 | Answer | Comment                            |
|------------------------------------------------------------------------------------------|--------|------------------------------------|
| Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.      | N/A    |                                    |
| The cooler's custody seal, if present, is intact.                                        | True   |                                    |
| Sample custody seals, if present, are intact.                                            | True   |                                    |
| The cooler or samples do not appear to have been compromised or tampered with.           | True   |                                    |
| Samples were received on ice.                                                            | True   |                                    |
| Cooler Temperature is acceptable.                                                        | True   |                                    |
| Cooler Temperature is recorded.                                                          | True   | 2.1/2.1 IR92                       |
| COC is present.                                                                          | True   |                                    |
| COC is filled out in ink and legible.                                                    | True   |                                    |
| COC is filled out with all pertinent information.                                        | True   |                                    |
| Is the Field Sampler's name present on COC?                                              | N/A    | Received project as a subcontract. |
| There are no discrepancies between the containers received and the COC.                  | True   |                                    |
| Samples are received within Holding Time (excluding tests with immediate HTs)            | True   |                                    |
| Sample containers have legible labels.                                                   | True   |                                    |
| Containers are not broken or leaking.                                                    | True   |                                    |
| Sample collection date/times are provided.                                               | True   |                                    |
| Appropriate sample containers are used.                                                  | True   |                                    |
| Sample bottles are completely filled.                                                    | True   |                                    |
| Sample Preservation Verified.                                                            | True   |                                    |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs         | True   |                                    |
| Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4"). | True   |                                    |
| Multiphasic samples are not present.                                                     | True   |                                    |
| Samples do not require splitting or compositing.                                         | True   |                                    |
| Residual Chlorine Checked.                                                               | N/A    |                                    |