

ANALYTICAL REPORT

PREPARED FOR

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JOB DESCRIPTION

RED-HILL
Weekly

JOB NUMBER

380-136942-1

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



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Definitions/Glossary

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

Job ID: 380-136942-1
SDG: Weekly

Qualifiers

GC/MS Semi VOA

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

GC/MS Semi VOA TICs

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

Glossary

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

Case Narrative

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

Job ID: 380-136942-1

Job ID: 380-136942-1

Eurofins Eaton Analytical Pomona

Job Narrative 380-136942-1

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 2/21/2025 9:34 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.5°C.

Receipt Exceptions

The number of containers for the following sample did not match the information listed on the Chain-of-Custody (COC): HALAWA SHAFT VIEWING POOL (380-136942-1). Received 7 containers, while the COC lists 6.

GC/MS Semi VOA

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

Gasoline Range Organics

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

Diesel Range Organics

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

Detection Summary

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

Job ID: 380-136942-1
SDG: Weekly

Client Sample ID: HALAWA SHAFT VIEWING POOL

Lab Sample ID: 380-136942-1

No Detections.

Client Sample ID: TRIP BLANK

Lab Sample ID: 380-136942-2

No Detections.

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

This Detection Summary does not include radiochemical test results.

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Client Sample Results

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

Job ID: 380-136942-1
SDG: Weekly

Client Sample ID: HALAWA SHAFT VIEWING POOL

Lab Sample ID: 380-136942-1

Date Collected: 02/18/25 10:00

Matrix: Water

Date Received: 02/21/25 09:34

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------------------|---------|-----------|--------|------|---|----------------|----------------|---------|
| 1-Methylnaphthalene | <0.096 | | 0.096 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| 2,4'-DDD | <0.096 | | 0.096 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| 2,4'-DDE | <0.096 | | 0.096 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| 2,4'-DDT | <0.096 | | 0.096 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| 2,4-Dinitrotoluene | <0.096 | | 0.096 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| 2,6-Dinitrotoluene | <0.096 | | 0.096 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| 2-Methylnaphthalene | <0.096 | | 0.096 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| 4,4'-DDD | <0.096 | | 0.096 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| 4,4'-DDE | <0.096 | | 0.096 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| 4,4'-DDT | <0.096 | | 0.096 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| Acenaphthene | <0.096 | | 0.096 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| Acenaphthylene | <0.096 | | 0.096 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| Acetochlor | <0.096 | | 0.096 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| Alachlor | <0.048 | | 0.048 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| alpha-BHC | <0.096 | | 0.096 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| alpha-Chlordane | <0.048 | | 0.048 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| Anthracene | <0.019 | | 0.019 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| Atrazine | <0.048 | | 0.048 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| Benz(a)anthracene | <0.048 | | 0.048 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| Benzo[a]pyrene | <0.019 | | 0.019 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| Benzo[b]fluoranthene | <0.019 | | 0.019 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| Benzo[g,h,i]perylene | <0.048 | | 0.048 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| Benzo[k]fluoranthene | <0.019 | | 0.019 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| beta-BHC | <0.096 | | 0.096 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| Bis(2-ethylhexyl) phthalate | <0.58 | | 0.58 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| Bromacil | <0.096 | | 0.096 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| Butachlor | <0.048 | | 0.048 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| Butylbenzylphthalate | <0.48 | | 0.48 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| Chlorobenzilate | <0.096 | | 0.096 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| Chloroneb | <0.096 | | 0.096 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| Chlorothalonil (Draconil, Bravo) | <0.096 | | 0.096 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| Chlorpyrifos | <0.048 | | 0.048 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| Chrysene | <0.019 | | 0.019 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| delta-BHC | <0.096 | | 0.096 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| Di(2-ethylhexyl)adipate | <0.58 | | 0.58 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| Dibenz(a,h)anthracene | <0.048 | | 0.048 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| Diclorvos (DDVP) | <0.048 | | 0.048 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| Dieldrin | <0.0096 | | 0.0096 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| Diethylphthalate | <0.48 | | 0.48 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| Dimethylphthalate | <0.48 | | 0.48 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| Di-n-butyl phthalate | <0.96 | | 0.96 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| Di-n-octyl phthalate | <0.096 | | 0.096 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| Endosulfan I (Alpha) | <0.096 | | 0.096 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| Endosulfan II (Beta) | <0.096 | | 0.096 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| Endosulfan sulfate | <0.096 | | 0.096 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| Endrin | <0.0096 | | 0.0096 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| Endrin aldehyde | <0.096 | | 0.096 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| EPTC | <0.096 | | 0.096 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| Fluoranthene | <0.096 | | 0.096 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |

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Client Sample Results

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

Job ID: 380-136942-1
SDG: Weekly

Client Sample ID: HALAWA SHAFT VIEWING POOL

Lab Sample ID: 380-136942-1

Date Collected: 02/18/25 10:00

Matrix: Water

Date Received: 02/21/25 09:34

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------------------|---------|-----------|--------|------|---|----------------|----------------|---------|
| Fluorene | <0.048 | | 0.048 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| gamma-Chlordane | <0.048 | | 0.048 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| Heptachlor | <0.0096 | ^3+ | 0.0096 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| Heptachlor epoxide (isomer B) | <0.0096 | | 0.0096 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| Hexachlorobenzene | <0.048 | | 0.048 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| Hexachlorocyclopentadiene | <0.048 | | 0.048 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| Indeno[1,2,3-cd]pyrene | <0.048 | | 0.048 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| Isophorone | <0.096 | | 0.096 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| Lindane | <0.0096 | | 0.0096 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| Malathion | <0.096 | | 0.096 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| Methoxychlor | <0.048 | | 0.048 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| Metolachlor | <0.048 | | 0.048 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| Molinate | <0.096 | | 0.096 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| Naphthalene | <0.096 | | 0.096 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| Parathion | <0.096 | | 0.096 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| Pendimethalin (Penoxaline) | <0.096 | | 0.096 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| Phenanthrene | <0.039 | | 0.039 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| Propachlor | <0.048 | | 0.048 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| Pyrene | <0.048 | | 0.048 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| Simazine | <0.048 | | 0.048 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| Terbacil | <0.096 | | 0.096 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| Terbutylazine | <0.096 | | 0.096 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| Thiobencarb | <0.096 | | 0.096 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| Total Permethrin (mixed isomers) | <0.19 | | 0.19 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| trans-Nonachlor | <0.048 | | 0.048 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| Trifluralin | <0.096 | | 0.096 | ug/L | | 02/25/25 07:06 | 02/26/25 09:40 | 1 |

| Tentatively Identified Compound | Est. Result | Qualifier | Unit | D | RT | CAS No. | Prepared | Analyzed | Dil Fac |
|---------------------------------|-------------|-----------|------|---|----|---------|----------------|----------------|---------|
| Tentatively Identified Compound | None | | ug/L | | | N/A | 02/25/25 07:06 | 02/26/25 09:40 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|--------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2-Nitro-m-xylene | 99 | | 70 - 130 | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| Perylene-d12 | 92 | | 70 - 130 | 02/25/25 07:06 | 02/26/25 09:40 | 1 |
| Triphenylphosphate | 104 | | 70 - 130 | 02/25/25 07:06 | 02/26/25 09:40 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------|--------|-----------|------|------|---|----------------|----------------|---------|
| 1-Methylnaphthalene | <0.19 | | 0.19 | ug/L | | 02/24/25 05:42 | 02/27/25 15:10 | 1 |
| 2-Methylnaphthalene | <0.19 | | 0.19 | ug/L | | 02/24/25 05:42 | 02/27/25 15:10 | 1 |
| Acenaphthene | <0.19 | | 0.19 | ug/L | | 02/24/25 05:42 | 02/27/25 15:10 | 1 |
| Acenaphthylene | <0.19 | | 0.19 | ug/L | | 02/24/25 05:42 | 02/27/25 15:10 | 1 |
| Anthracene | <0.19 | | 0.19 | ug/L | | 02/24/25 05:42 | 02/27/25 15:10 | 1 |
| Benzo[a]anthracene | <0.19 | | 0.19 | ug/L | | 02/24/25 05:42 | 02/27/25 15:10 | 1 |
| Benzo[a]pyrene | <0.19 | | 0.19 | ug/L | | 02/24/25 05:42 | 02/27/25 15:10 | 1 |
| Benzo[b]fluoranthene | <0.19 | | 0.19 | ug/L | | 02/24/25 05:42 | 02/27/25 15:10 | 1 |
| Benzo[g,h,i]perylene | <0.19 | | 0.19 | ug/L | | 02/24/25 05:42 | 02/27/25 15:10 | 1 |
| Benzo[k]fluoranthene | <0.19 | | 0.19 | ug/L | | 02/24/25 05:42 | 02/27/25 15:10 | 1 |
| Chrysene | <0.19 | | 0.19 | ug/L | | 02/24/25 05:42 | 02/27/25 15:10 | 1 |
| Dibenz(a,h)anthracene | <0.19 | | 0.19 | ug/L | | 02/24/25 05:42 | 02/27/25 15:10 | 1 |
| Fluoranthene | <0.19 | | 0.19 | ug/L | | 02/24/25 05:42 | 02/27/25 15:10 | 1 |

Eurofins Eaton Analytical Pomona

Client Sample Results

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

Job ID: 380-136942-1
SDG: Weekly

Client Sample ID: HALAWA SHAFT VIEWING POOL

Lab Sample ID: 380-136942-1

Date Collected: 02/18/25 10:00

Matrix: Water

Date Received: 02/21/25 09:34

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------|-----------|------|------|---|----------------|----------------|---------|
| Fluorene | <0.19 | | 0.19 | ug/L | | 02/24/25 05:42 | 02/27/25 15:10 | 1 |
| Indeno[1,2,3-cd]pyrene | <0.19 | | 0.19 | ug/L | | 02/24/25 05:42 | 02/27/25 15:10 | 1 |
| Naphthalene | <0.19 | | 0.19 | ug/L | | 02/24/25 05:42 | 02/27/25 15:10 | 1 |
| Phenanthrene | <0.19 | | 0.19 | ug/L | | 02/24/25 05:42 | 02/27/25 15:10 | 1 |
| Pyrene | <0.19 | | 0.19 | ug/L | | 02/24/25 05:42 | 02/27/25 15:10 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol (Surr) | 74 | | 28 - 127 | 02/24/25 05:42 | 02/27/25 15:10 | 1 |
| 2-Fluorobiphenyl (Surr) | 78 | | 31 - 120 | 02/24/25 05:42 | 02/27/25 15:10 | 1 |
| 2-Fluorophenol (Surr) | 51 | | 17 - 120 | 02/24/25 05:42 | 02/27/25 15:10 | 1 |
| Nitrobenzene-d5 (Surr) | 81 | | 27 - 120 | 02/24/25 05:42 | 02/27/25 15:10 | 1 |
| Phenol-d6 (Surr) | 33 | | 10 - 120 | 02/24/25 05:42 | 02/27/25 15:10 | 1 |
| p-Terphenyl-d14 (Surr) | 77 | | 45 - 120 | 02/24/25 05:42 | 02/27/25 15:10 | 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 |
|---------------------------------|-------------|-----------|------|---|------|------------|----------------|----------------|---------|
| Methylene Chloride | 29 | T J N | ug/L | | 1.72 | 75-09-2 | 02/24/25 05:42 | 02/27/25 15:42 | 1 |
| Unknown | 14 | T J | ug/L | | 2.14 | N/A | 02/24/25 05:42 | 02/27/25 15:42 | 1 |
| 3-Hexene, 2,3-dimethyl- | 8.6 | T J N | ug/L | | 2.51 | 7145-23-5 | 02/24/25 05:42 | 02/27/25 15:42 | 1 |
| 2-Pentenal, (E)- | 25 | T J N | ug/L | | 2.71 | 1576-87-0 | 02/24/25 05:42 | 02/27/25 15:42 | 1 |
| 1-Undecene, 9-methyl- | 11 | T J N | ug/L | | 2.79 | 74630-41-4 | 02/24/25 05:42 | 02/27/25 15:42 | 1 |
| Cyclohexane, 1-methyl-2-propyl- | 13 | T J N | ug/L | | 2.91 | 4291-79-6 | 02/24/25 05:42 | 02/27/25 15:42 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol (Surr) | 76 | | 33 - 139 | 02/24/25 05:42 | 02/27/25 15:42 | 1 |
| 2-Fluorobiphenyl (Surr) | 85 | | 33 - 126 | 02/24/25 05:42 | 02/27/25 15:42 | 1 |
| 2-Fluorophenol (Surr) | 55 | | 12 - 120 | 02/24/25 05:42 | 02/27/25 15:42 | 1 |
| Nitrobenzene-d5 (Surr) | 90 | | 36 - 120 | 02/24/25 05:42 | 02/27/25 15:42 | 1 |
| Phenol-d6 (Surr) | 32 | | 10 - 120 | 02/24/25 05:42 | 02/27/25 15:42 | 1 |
| p-Terphenyl-d14 (Surr) | 68 | | 47 - 131 | 02/24/25 05:42 | 02/27/25 15:42 | 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 | | | 02/28/25 21:00 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 75 | | 38 - 134 | | 02/28/25 21:00 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------------|--------|-----------|----|------|---|----------------|----------------|---------|
| Diesel Range Organics (C10-C24) | <25 | | 25 | ug/L | | 02/23/25 13:30 | 02/24/25 21:51 | 1 |
| Motor Oil Range Organics [C24-C36] | <25 | | 25 | ug/L | | 02/23/25 13:30 | 02/24/25 21:51 | 1 |
| C8-C18 | <25 | | 25 | ug/L | | 02/23/25 13:30 | 02/24/25 21:51 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---------------------|-----------|-----------|----------|----------------|----------------|---------|
| n-Octacosane (Surr) | 95 | | 60 - 130 | 02/23/25 13:30 | 02/24/25 21:51 | 1 |

Client Sample Results

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

Job ID: 380-136942-1
 SDG: Weekly

Client Sample ID: TRIP BLANK

Lab Sample ID: 380-136942-2

Date Collected: 02/18/25 10:00

Matrix: Water

Date Received: 02/21/25 09:34

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 | | | 02/28/25 19:16 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 79 | | 38 - 134 | | | | 02/28/25 19:16 | 1 |

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

Action Limit Summary

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

Job ID: 380-136942-1
 SDG: Weekly

Client Sample ID: HALAWA SHAFT VIEWING POOL

Lab Sample ID: 380-136942-1

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 Limit | RL | Method | Prep Type |
|-------------------------------|---------|-----------|------|-----------------|--------|-----------|-----------|
| Alachlor | <0.048 | | ug/L | 2 | 0.048 | 525.2 | Total/NA |
| Atrazine | <0.048 | | ug/L | 3 | 0.048 | 525.2 | Total/NA |
| Benzo[a]pyrene | <0.019 | | ug/L | 0.2 | 0.019 | 525.2 | Total/NA |
| Bis(2-ethylhexyl) phthalate | <0.58 | | ug/L | 6 | 0.58 | 525.2 | Total/NA |
| Di(2-ethylhexyl)adipate | <0.58 | | ug/L | 400 | 0.58 | 525.2 | Total/NA |
| Endrin | <0.0096 | | ug/L | 2 | 0.0096 | 525.2 | Total/NA |
| Heptachlor | <0.0096 | ^3+ | ug/L | 0.4 | 0.0096 | 525.2 | Total/NA |
| Heptachlor epoxide (isomer B) | <0.0096 | | ug/L | 0.2 | 0.0096 | 525.2 | Total/NA |
| Hexachlorobenzene | <0.048 | | ug/L | 1 | 0.048 | 525.2 | Total/NA |
| Hexachlorocyclopentadiene | <0.048 | | ug/L | 50 | 0.048 | 525.2 | Total/NA |
| Lindane | <0.0096 | | ug/L | 0.2 | 0.0096 | 525.2 | Total/NA |
| Methoxychlor | <0.048 | | ug/L | 40 | 0.048 | 525.2 | Total/NA |
| Simazine | <0.048 | | ug/L | 4 | 0.048 | 525.2 | Total/NA |
| Benzo[a]pyrene | <0.19 | | ug/L | 0.2 | 0.19 | 625.1 SIM | Total/NA |

Surrogate Summary

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

Job ID: 380-136942-1
SDG: Weekly

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

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) | | |
|----------------------|------------------------------|--|-----------------|-----------------|
| | | 2NMX (70-130) | PRY (70-130) | TPP (70-130) |
| 380-135745-AJ-1-A MS | Matrix Spike | 100 | 98 | 106 |
| 380-136942-1 | HALAWA SHAFT VIEWING POOL | 99 | 92 | 104 |
| 380-136977-B-1-A DU | Duplicate | 99 | 99 | 103 |
| LCS 380-137708/23-A | Lab Control Sample | 97 | 98 | 106 |
| MB 380-137708/21-A | Method Blank | 96 | 97 | 106 |
| MRL 380-137708/22-A | Lab Control Sample | 99 | 102 | 105 |

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

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

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) | | | | | |
|-------------------|--------------------------|--|-----------------|-----------------|-----------------|------------------|--------------------|
| | | TBP (33-139) | FBP (33-126) | 2FP (12-120) | NBZ (36-120) | PHL6 (10-120) | TPHd14 (47-131) |
| 380-136942-1 | HALAWA SHAFT VIEWING POC | 76 | 85 | 55 | 90 | 32 | 68 |
| MB 570-537230/1-A | Method Blank | 61 | 81 | 54 | 77 | 38 | 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 (28-127) | FBP (31-120) | 2FP (17-120) | NBZ (27-120) | PHL6 (10-120) | TPHd14 (45-120) |
| 380-136942-1 | HALAWA SHAFT VIEWING POC | 74 | 78 | 51 | 81 | 33 | 77 |
| 380-136981-A-1-A MS | Matrix Spike | 72 | 72 | 60 | 81 | 39 | 75 |
| 380-136981-A-1-B MSD | Matrix Spike Duplicate | 70 | 74 | 55 | 72 | 37 | 75 |
| LCS 570-537230/2-A | Lab Control Sample | 74 | 81 | 63 | 73 | 43 | 80 |
| LCSD 570-537230/3-A | Lab Control Sample Dup | 74 | 79 | 57 | 71 | 40 | 82 |
| MB 570-537230/1-A | Method Blank | 70 | 68 | 46 | 70 | 31 | 75 |

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

Surrogate Summary

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

Job ID: 380-136942-1
 SDG: Weekly

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID | Client Sample ID | BFB1 (38-134) |
|---------------------|--------------------------|------------------|
| 380-136942-1 | HALAWA SHAFT VIEWING POC | 75 |
| 380-136942-2 | TRIP BLANK | 79 |
| 380-136981-C-1 MS | Matrix Spike | 99 |
| 380-136981-C-1 MSD | Matrix Spike Duplicate | 98 |
| LCS 570-539460/1011 | Lab Control Sample | 94 |
| LCSD 570-539460/12 | Lab Control Sample Dup | 100 |
| MB 570-539460/13 | Method Blank | 76 |
| MRL 570-539460/1006 | Lab Control Sample | 76 |

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID | Client Sample ID | OTCSN1 (60-130) |
|----------------------|--------------------------|--------------------|
| 380-136942-1 | HALAWA SHAFT VIEWING POC | 95 |
| 380-136981-B-1-A MS | Matrix Spike | 97 |
| 380-136981-B-1-B MSD | Matrix Spike Duplicate | 94 |
| LCS 570-537151/2-A | Lab Control Sample | 87 |
| LCSD 570-537151/3-A | Lab Control Sample Dup | 89 |
| MB 570-537151/1-A | Method Blank | 93 |
| MRL 570-537151/4-A | Lab Control Sample | 95 |

Surrogate Legend

OTCSN = n-Octacosane (Surr)

QC Sample Results

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

Job ID: 380-136942-1
 SDG: Weekly

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

Lab Sample ID: MB 380-137708/21-A
Matrix: Water
Analysis Batch: 137782

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 137708

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------------------|--------------|-----------------|--------|------|---|----------------|----------------|---------|
| 1-Methylnaphthalene | <0.099 | | 0.099 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| 2,4'-DDD | <0.099 | | 0.099 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| 2,4'-DDE | <0.099 | | 0.099 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| 2,4'-DDT | <0.099 | | 0.099 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| 2,4-Dinitrotoluene | <0.099 | | 0.099 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| 2,6-Dinitrotoluene | <0.099 | | 0.099 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| 2-Methylnaphthalene | <0.099 | | 0.099 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| 4,4'-DDD | <0.099 | | 0.099 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| 4,4'-DDE | <0.099 | | 0.099 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| 4,4'-DDT | <0.099 | | 0.099 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| Acenaphthene | <0.099 | | 0.099 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| Acenaphthylene | <0.099 | | 0.099 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| Acetochlor | <0.099 | | 0.099 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| Alachlor | <0.050 | | 0.050 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| alpha-BHC | <0.099 | | 0.099 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| alpha-Chlordane | <0.050 | | 0.050 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| Anthracene | <0.020 | | 0.020 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| Atrazine | <0.050 | | 0.050 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| Benz(a)anthracene | <0.050 | | 0.050 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| Benzo[a]pyrene | <0.020 | | 0.020 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| Benzo[b]fluoranthene | <0.020 | | 0.020 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| Benzo[g,h,i]perylene | <0.050 | | 0.050 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| Benzo[k]fluoranthene | <0.020 | | 0.020 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| beta-BHC | <0.099 | | 0.099 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| Bis(2-ethylhexyl) phthalate | <0.59 | | 0.59 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| Bromacil | <0.099 | | 0.099 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| Butachlor | <0.050 | | 0.050 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| Butylbenzylphthalate | <0.50 | | 0.50 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| Chlorobenzilate | <0.099 | | 0.099 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| Chloroneb | <0.099 | | 0.099 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| Chlorothalonil (Draconil, Bravo) | <0.099 | | 0.099 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| Chlorpyrifos | <0.050 | | 0.050 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| Chrysene | <0.020 | | 0.020 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| delta-BHC | <0.099 | | 0.099 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| Di(2-ethylhexyl)adipate | <0.59 | | 0.59 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| Dibenz(a,h)anthracene | <0.050 | | 0.050 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| Diclorvos (DDVP) | <0.050 | | 0.050 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| Dieldrin | <0.0099 | | 0.0099 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| Diethylphthalate | <0.50 | | 0.50 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| Dimethylphthalate | <0.50 | | 0.50 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| Di-n-butyl phthalate | <0.99 | | 0.99 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| Di-n-octyl phthalate | <0.099 | | 0.099 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| Endosulfan I (Alpha) | <0.099 | | 0.099 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| Endosulfan II (Beta) | <0.099 | | 0.099 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| Endosulfan sulfate | <0.099 | | 0.099 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| Endrin | <0.0099 | | 0.0099 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| Endrin aldehyde | <0.099 | | 0.099 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| EPTC | <0.099 | | 0.099 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |

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QC Sample Results

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

Job ID: 380-136942-1
SDG: Weekly

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

Lab Sample ID: MB 380-137708/21-A
Matrix: Water
Analysis Batch: 137782

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 137708

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------------------|-----------|--------------|--------|------|---|----------------|----------------|---------|
| Fluoranthene | <0.099 | | 0.099 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| Fluorene | <0.050 | | 0.050 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| gamma-Chlordane | <0.050 | | 0.050 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| Heptachlor | <0.0099 | ^3+ | 0.0099 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| Heptachlor epoxide (isomer B) | <0.0099 | | 0.0099 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| Hexachlorobenzene | <0.050 | | 0.050 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| Hexachlorocyclopentadiene | <0.050 | | 0.050 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| Indeno[1,2,3-cd]pyrene | <0.050 | | 0.050 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| Isophorone | <0.099 | | 0.099 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| Lindane | <0.0099 | | 0.0099 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| Malathion | <0.099 | | 0.099 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| Methoxychlor | <0.050 | | 0.050 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| Metolachlor | <0.050 | | 0.050 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| Molinate | <0.099 | | 0.099 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| Naphthalene | <0.099 | | 0.099 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| Parathion | <0.099 | | 0.099 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| Pendimethalin (Penoxaline) | <0.099 | | 0.099 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| Phenanthrene | <0.040 | | 0.040 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| Propachlor | <0.050 | | 0.050 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| Pyrene | <0.050 | | 0.050 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| Simazine | <0.050 | | 0.050 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| Terbacil | <0.099 | | 0.099 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| Terbutylazine | <0.099 | | 0.099 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| Thiobencarb | <0.099 | | 0.099 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| Total Permethrin (mixed isomers) | <0.20 | | 0.20 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| trans-Nonachlor | <0.050 | | 0.050 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| Trifluralin | <0.099 | | 0.099 | ug/L | | 02/25/25 07:06 | 02/25/25 16:11 | 1 |

| Tentatively Identified Compound | MB Est. Result | MB Qualifier | Unit | D | RT | CAS No. | Prepared | Analyzed | Dil Fac |
|---------------------------------|----------------|--------------|------|---|-------|----------|----------------|----------------|---------|
| Unknown | 0.633 | T J | ug/L | | 2.65 | N/A | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| Decane | 1.97 | T J N | ug/L | | 2.92 | 124-18-5 | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| 9-Octadecenamide, (Z)- | 2.54 | T J N | ug/L | | 8.26 | 301-02-0 | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| 13-Docosenamide, (Z)- | 1.97 | T J N | ug/L | | 10.93 | 112-84-5 | 02/25/25 07:06 | 02/25/25 16:11 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|--------------------|--------------|--------------|----------|----------------|----------------|---------|
| 2-Nitro-m-xylene | 96 | | 70 - 130 | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| Perylene-d12 | 97 | | 70 - 130 | 02/25/25 07:06 | 02/25/25 16:11 | 1 |
| Triphenylphosphate | 106 | | 70 - 130 | 02/25/25 07:06 | 02/25/25 16:11 | 1 |

Lab Sample ID: LCS 380-137708/23-A
Matrix: Water
Analysis Batch: 137782

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 137708

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | Limits |
|---------------------|-------------|------------|---------------|------|---|------|----------|
| 1-Methylnaphthalene | 1.99 | 1.81 | | ug/L | | 91 | 70 - 130 |
| 2,4'-DDD | 1.99 | 1.97 | | ug/L | | 99 | 70 - 130 |
| 2,4'-DDE | 1.99 | 2.00 | | ug/L | | 101 | 70 - 130 |
| 2,4'-DDT | 1.99 | 1.95 | | ug/L | | 98 | 70 - 130 |

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QC Sample Results

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

Job ID: 380-136942-1
SDG: Weekly

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

Lab Sample ID: LCS 380-137708/23-A
Matrix: Water
Analysis Batch: 137782

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 137708

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------------------------------|-------------|------------|---------------|------|---|------|-------------|
| 2,4-Dinitrotoluene | 1.99 | 2.02 | | ug/L | | 102 | 70 - 130 |
| 2,6-Dinitrotoluene | 1.99 | 2.00 | | ug/L | | 100 | 70 - 130 |
| 2-Methylnaphthalene | 1.99 | 1.85 | | ug/L | | 93 | 70 - 130 |
| 4,4'-DDD | 1.99 | 1.97 | | ug/L | | 99 | 70 - 130 |
| 4,4'-DDE | 1.99 | 2.03 | | ug/L | | 102 | 70 - 130 |
| 4,4'-DDT | 1.99 | 2.04 | | ug/L | | 103 | 70 - 130 |
| Acenaphthene | 1.99 | 1.96 | | ug/L | | 98 | 70 - 130 |
| Acenaphthylene | 1.99 | 1.90 | | ug/L | | 96 | 70 - 130 |
| Acetochlor | 1.99 | 2.06 | | ug/L | | 104 | 70 - 130 |
| Alachlor | 1.99 | 2.13 | | ug/L | | 107 | 70 - 130 |
| alpha-BHC | 1.99 | 1.85 | | ug/L | | 93 | 70 - 130 |
| alpha-Chlordane | 1.99 | 1.81 | | ug/L | | 91 | 70 - 130 |
| Anthracene | 1.99 | 1.70 | | ug/L | | 85 | 70 - 130 |
| Atrazine | 1.99 | 2.10 | | ug/L | | 106 | 70 - 130 |
| Benz(a)anthracene | 1.99 | 1.91 | | ug/L | | 96 | 70 - 130 |
| Benzo[a]pyrene | 1.99 | 1.92 | | ug/L | | 97 | 70 - 130 |
| Benzo[b]fluoranthene | 1.99 | 2.13 | | ug/L | | 107 | 70 - 130 |
| Benzo[g,h,i]perylene | 1.99 | 2.00 | | ug/L | | 100 | 70 - 130 |
| Benzo[k]fluoranthene | 1.99 | 2.00 | | ug/L | | 101 | 70 - 130 |
| beta-BHC | 1.99 | 1.93 | | ug/L | | 97 | 70 - 130 |
| Bis(2-ethylhexyl) phthalate | 1.99 | 1.89 | | ug/L | | 95 | 70 - 130 |
| Bromacil | 1.99 | 2.08 | | ug/L | | 105 | 70 - 130 |
| Butachlor | 1.99 | 2.02 | | ug/L | | 102 | 70 - 130 |
| Butylbenzylphthalate | 1.99 | 2.12 | | ug/L | | 107 | 70 - 130 |
| Chlorobenzilate | 1.99 | 1.95 | | ug/L | | 98 | 70 - 130 |
| Chloroneb | 1.99 | 2.12 | | ug/L | | 106 | 70 - 130 |
| Chlorothalonil (Draconil, Bravo) | 1.99 | 2.00 | | ug/L | | 101 | 70 - 130 |
| Chlorpyrifos | 1.99 | 2.05 | | ug/L | | 103 | 70 - 130 |
| Chrysene | 1.99 | 1.87 | | ug/L | | 94 | 70 - 130 |
| delta-BHC | 1.99 | 1.88 | | ug/L | | 94 | 70 - 130 |
| Di(2-ethylhexyl)adipate | 1.99 | 2.07 | | ug/L | | 104 | 70 - 130 |
| Dibenz(a,h)anthracene | 1.99 | 1.94 | | ug/L | | 97 | 70 - 130 |
| Diclorvos (DDVP) | 1.99 | 1.96 | | ug/L | | 98 | 70 - 130 |
| Dieldrin | 1.99 | 1.98 | | ug/L | | 100 | 70 - 130 |
| Diethylphthalate | 1.99 | 1.93 | | ug/L | | 97 | 70 - 130 |
| Dimethylphthalate | 1.99 | 1.95 | | ug/L | | 98 | 70 - 130 |
| Di-n-butyl phthalate | 3.98 | 4.11 | | ug/L | | 103 | 70 - 130 |
| Di-n-octyl phthalate | 1.99 | 1.79 | | ug/L | | 90 | 70 - 130 |
| Endosulfan I (Alpha) | 1.99 | 1.89 | | ug/L | | 95 | 70 - 130 |
| Endosulfan II (Beta) | 1.99 | 1.87 | | ug/L | | 94 | 70 - 130 |
| Endosulfan sulfate | 1.99 | 2.07 | | ug/L | | 104 | 70 - 130 |
| Endrin | 1.99 | 2.12 | | ug/L | | 106 | 70 - 130 |
| Endrin aldehyde | 1.99 | 1.90 | | ug/L | | 96 | 60 - 130 |
| EPTC | 1.99 | 1.94 | | ug/L | | 98 | 70 - 130 |
| Fluoranthene | 1.99 | 2.02 | | ug/L | | 102 | 70 - 130 |
| Fluorene | 1.99 | 1.89 | | ug/L | | 95 | 70 - 130 |
| gamma-Chlordane | 1.99 | 1.84 | | ug/L | | 93 | 70 - 130 |
| Heptachlor | 1.99 | 2.05 | | ug/L | | 103 | 70 - 130 |
| Heptachlor epoxide (isomer B) | 1.99 | 1.93 | | ug/L | | 97 | 70 - 130 |

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QC Sample Results

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

Job ID: 380-136942-1
SDG: Weekly

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

Lab Sample ID: LCS 380-137708/23-A
Matrix: Water
Analysis Batch: 137782

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 137708

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------------------------|-------------|------------|---------------|------|---|------|-------------|
| Hexachlorobenzene | 1.99 | 1.92 | | ug/L | | 96 | 70 - 130 |
| Hexachlorocyclopentadiene | 1.99 | 2.10 | | ug/L | | 106 | 70 - 130 |
| Indeno[1,2,3-cd]pyrene | 1.99 | 1.97 | | ug/L | | 99 | 70 - 130 |
| Isophorone | 1.99 | 1.82 | | ug/L | | 91 | 70 - 130 |
| Lindane | 1.99 | 1.95 | | ug/L | | 98 | 70 - 130 |
| Malathion | 1.99 | 2.02 | | ug/L | | 102 | 70 - 130 |
| Methoxychlor | 1.99 | 1.99 | | ug/L | | 100 | 70 - 130 |
| Metolachlor | 1.99 | 2.14 | | ug/L | | 107 | 70 - 130 |
| Molinate | 1.99 | 1.97 | | ug/L | | 99 | 70 - 130 |
| Naphthalene | 1.99 | 1.92 | | ug/L | | 96 | 70 - 130 |
| Parathion | 1.99 | 2.01 | | ug/L | | 101 | 70 - 130 |
| Pendimethalin (Penoxaline) | 1.99 | 1.95 | | ug/L | | 98 | 70 - 130 |
| Phenanthrene | 1.99 | 1.88 | | ug/L | | 95 | 70 - 130 |
| Propachlor | 1.99 | 2.04 | | ug/L | | 103 | 70 - 130 |
| Pyrene | 1.99 | 1.99 | | ug/L | | 100 | 70 - 130 |
| Simazine | 1.99 | 2.11 | | ug/L | | 106 | 70 - 130 |
| Terbacil | 1.99 | 2.19 | | ug/L | | 110 | 70 - 130 |
| Terbutylazine | 1.99 | 2.14 | | ug/L | | 107 | 70 - 130 |
| Thiobencarb | 1.99 | 2.00 | | ug/L | | 101 | 70 - 130 |
| trans-Nonachlor | 1.99 | 1.87 | | ug/L | | 94 | 70 - 130 |
| Trifluralin | 1.99 | 1.73 | | ug/L | | 87 | 70 - 130 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|--------------------|---------------|---------------|----------|
| 2-Nitro-m-xylene | 97 | | 70 - 130 |
| Perylene-d12 | 98 | | 70 - 130 |
| Triphenylphosphate | 106 | | 70 - 130 |

Lab Sample ID: MRL 380-137708/22-A
Matrix: Water
Analysis Batch: 137782

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 137708

| Analyte | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------|-------------|------------|---------------|------|---|------|-------------|
| 1-Methylnaphthalene | 0.0991 | 0.106 | | ug/L | | 107 | 50 - 150 |
| 2,4'-DDD | 0.0991 | 0.0902 | J | ug/L | | 91 | 50 - 150 |
| 2,4'-DDE | 0.0991 | 0.0989 | J | ug/L | | 100 | 50 - 150 |
| 2,4'-DDT | 0.0991 | 0.113 | | ug/L | | 114 | 50 - 150 |
| 2,4-Dinitrotoluene | 0.0991 | 0.111 | | ug/L | | 112 | 50 - 150 |
| 2,6-Dinitrotoluene | 0.0991 | 0.111 | | ug/L | | 112 | 50 - 150 |
| 2-Methylnaphthalene | 0.0991 | 0.103 | | ug/L | | 104 | 50 - 150 |
| 4,4'-DDD | 0.0991 | 0.105 | | ug/L | | 106 | 50 - 150 |
| 4,4'-DDE | 0.0991 | 0.103 | | ug/L | | 104 | 50 - 150 |
| 4,4'-DDT | 0.0991 | 0.125 | | ug/L | | 126 | 50 - 150 |
| Acenaphthene | 0.0991 | 0.0900 | J | ug/L | | 91 | 50 - 150 |
| Acenaphthylene | 0.0991 | 0.0969 | J | ug/L | | 98 | 50 - 150 |
| Acetochlor | 0.0991 | 0.115 | | ug/L | | 116 | 50 - 150 |
| Alachlor | 0.0495 | 0.0502 | | ug/L | | 101 | 50 - 150 |
| alpha-BHC | 0.0991 | 0.110 | | ug/L | | 111 | 50 - 150 |
| alpha-Chlordane | 0.0248 | <0.029 | | ug/L | | 102 | 50 - 150 |

QC Sample Results

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

Job ID: 380-136942-1
SDG: Weekly

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

Lab Sample ID: MRL 380-137708/22-A
Matrix: Water
Analysis Batch: 137782

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 137708

| Analyte | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec Limits |
|----------------------------------|-------------|------------|---------------|------|---|------|-------------|
| Anthracene | 0.0198 | 0.0223 | | ug/L | | 113 | 50 - 150 |
| Atrazine | 0.0495 | 0.0518 | | ug/L | | 105 | 50 - 150 |
| Benz(a)anthracene | 0.0495 | 0.0566 | | ug/L | | 114 | 50 - 150 |
| Benzo[a]pyrene | 0.0198 | 0.0247 | | ug/L | | 125 | 50 - 150 |
| Benzo[b]fluoranthene | 0.0198 | 0.0201 | | ug/L | | 102 | 50 - 150 |
| Benzo[g,h,i]perylene | 0.0495 | 0.0479 | J | ug/L | | 97 | 50 - 150 |
| Benzo[k]fluoranthene | 0.0198 | 0.0246 | | ug/L | | 124 | 50 - 150 |
| beta-BHC | 0.0991 | 0.122 | | ug/L | | 123 | 50 - 150 |
| Bis(2-ethylhexyl) phthalate | 0.594 | 0.572 | J | ug/L | | 96 | 50 - 150 |
| Bromacil | 0.0991 | 0.121 | | ug/L | | 122 | 50 - 150 |
| Butachlor | 0.0495 | 0.0655 | | ug/L | | 132 | 50 - 150 |
| Butylbenzylphthalate | 0.495 | 0.596 | | ug/L | | 120 | 50 - 150 |
| Chlorobenzilate | 0.0991 | 0.110 | | ug/L | | 111 | 50 - 150 |
| Chloroneb | 0.0991 | 0.109 | | ug/L | | 110 | 50 - 150 |
| Chlorothalonil (Draconil, Bravo) | 0.0991 | 0.108 | | ug/L | | 109 | 50 - 150 |
| Chlorpyrifos | 0.0495 | 0.0541 | | ug/L | | 109 | 50 - 150 |
| Chrysene | 0.0198 | 0.0201 | | ug/L | | 102 | 50 - 150 |
| delta-BHC | 0.0991 | 0.106 | | ug/L | | 107 | 50 - 150 |
| Di(2-ethylhexyl)adipate | 0.594 | 0.703 | | ug/L | | 118 | 50 - 150 |
| Dibenz(a,h)anthracene | 0.0495 | 0.0446 | J | ug/L | | 90 | 50 - 150 |
| Diclorvos (DDVP) | 0.0495 | 0.0585 | | ug/L | | 118 | 50 - 150 |
| Dieldrin | 0.00991 | 0.0122 | | ug/L | | 123 | 50 - 150 |
| Diethylphthalate | 0.495 | 0.510 | | ug/L | | 103 | 50 - 150 |
| Dimethylphthalate | 0.495 | 0.523 | | ug/L | | 106 | 50 - 150 |
| Di-n-butyl phthalate | 0.495 | 0.707 | J | ug/L | | 143 | 49 - 243 |
| Di-n-octyl phthalate | 0.0991 | 0.0936 | J | ug/L | | 94 | 50 - 150 |
| Endosulfan I (Alpha) | 0.0991 | 0.0937 | J | ug/L | | 95 | 50 - 150 |
| Endosulfan II (Beta) | 0.0991 | 0.102 | | ug/L | | 103 | 50 - 150 |
| Endosulfan sulfate | 0.0991 | 0.118 | | ug/L | | 119 | 50 - 150 |
| Endrin | 0.00991 | 0.0125 | | ug/L | | 126 | 50 - 150 |
| Endrin aldehyde | 0.0991 | 0.114 | | ug/L | | 115 | 50 - 150 |
| EPTC | 0.0991 | 0.0954 | J | ug/L | | 96 | 50 - 150 |
| Fluoranthene | 0.0991 | 0.103 | | ug/L | | 104 | 50 - 150 |
| Fluorene | 0.0495 | <0.050 | | ug/L | | 100 | 50 - 150 |
| gamma-Chlordane | 0.0248 | 0.0240 | J | ug/L | | 97 | 50 - 150 |
| Heptachlor | 0.00991 | 0.0190 | ^3+ | ug/L | | 192 | 50 - 150 |
| Heptachlor epoxide (isomer B) | 0.00991 | 0.0120 | | ug/L | | 122 | 50 - 150 |
| Hexachlorobenzene | 0.0495 | 0.0457 | J | ug/L | | 92 | 50 - 150 |
| Hexachlorocyclopentadiene | 0.0495 | 0.0483 | J | ug/L | | 98 | 50 - 150 |
| Indeno[1,2,3-cd]pyrene | 0.0495 | 0.0487 | J | ug/L | | 98 | 50 - 150 |
| Isophorone | 0.0991 | 0.113 | | ug/L | | 114 | 50 - 150 |
| Lindane | 0.00991 | 0.0118 | | ug/L | | 119 | 50 - 150 |
| Malathion | 0.0991 | 0.120 | | ug/L | | 121 | 50 - 150 |
| Methoxychlor | 0.0495 | 0.0579 | | ug/L | | 117 | 50 - 150 |
| Metolachlor | 0.0495 | 0.0566 | | ug/L | | 114 | 50 - 150 |
| Molinate | 0.0991 | 0.104 | | ug/L | | 105 | 50 - 150 |
| Naphthalene | 0.0991 | 0.0936 | J | ug/L | | 94 | 50 - 150 |
| Parathion | 0.0991 | 0.111 | | ug/L | | 112 | 50 - 150 |
| Pendimethalin (Penoxaline) | 0.0991 | 0.113 | | ug/L | | 114 | 50 - 150 |

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QC Sample Results

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

Job ID: 380-136942-1
SDG: Weekly

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

Lab Sample ID: MRL 380-137708/22-A
Matrix: Water
Analysis Batch: 137782

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 137708

| Analyte | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------------|-------------|------------|---------------|------|---|------|-------------|
| Phenanthrene | 0.0396 | 0.0389 | J | ug/L | | 98 | 50 - 150 |
| Propachlor | 0.0495 | 0.0526 | | ug/L | | 106 | 50 - 150 |
| Pyrene | 0.0495 | 0.0503 | | ug/L | | 102 | 50 - 150 |
| Simazine | 0.0495 | 0.0490 | J | ug/L | | 99 | 50 - 150 |
| Terbacil | 0.0991 | 0.105 | | ug/L | | 106 | 50 - 150 |
| Terbutylazine | 0.0991 | 0.105 | | ug/L | | 106 | 50 - 150 |
| Thiobencarb | 0.0991 | 0.102 | | ug/L | | 103 | 50 - 150 |
| trans-Nonachlor | 0.0248 | 0.0263 | J | ug/L | | 106 | 50 - 150 |
| Trifluralin | 0.0991 | 0.108 | | ug/L | | 109 | 50 - 150 |

| Surrogate | MRL %Recovery | MRL Qualifier | Limits |
|--------------------|---------------|---------------|----------|
| 2-Nitro-m-xylene | 99 | | 70 - 130 |
| Perylene-d12 | 102 | | 70 - 130 |
| Triphenylphosphate | 105 | | 70 - 130 |

Lab Sample ID: 380-135745-AJ-1-A MS
Matrix: Water
Analysis Batch: 137782

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 137708

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| 1-Methylnaphthalene | <0.096 | | 1.93 | 1.84 | | ug/L | | 96 | 70 - 130 |
| 2,4'-DDD | <0.096 | | 1.93 | 2.01 | | ug/L | | 104 | 70 - 130 |
| 2,4'-DDE | <0.096 | | 1.93 | 2.06 | | ug/L | | 107 | 70 - 130 |
| 2,4'-DDT | <0.096 | | 1.93 | 2.03 | | ug/L | | 105 | 70 - 130 |
| 2,4-Dinitrotoluene | <0.096 | | 1.93 | 2.17 | | ug/L | | 112 | 70 - 130 |
| 2,6-Dinitrotoluene | <0.096 | | 1.93 | 2.13 | | ug/L | | 110 | 70 - 130 |
| 2-Methylnaphthalene | <0.096 | | 1.93 | 1.89 | | ug/L | | 98 | 70 - 130 |
| 4,4'-DDD | <0.096 | | 1.93 | 2.03 | | ug/L | | 105 | 70 - 130 |
| 4,4'-DDE | <0.096 | | 1.93 | 1.98 | | ug/L | | 102 | 70 - 130 |
| 4,4'-DDT | <0.096 | | 1.93 | 2.10 | | ug/L | | 109 | 70 - 130 |
| Acenaphthene | <0.096 | | 1.93 | 1.97 | | ug/L | | 102 | 70 - 130 |
| Acenaphthylene | <0.096 | | 1.93 | 1.90 | | ug/L | | 98 | 70 - 130 |
| Acetochlor | <0.096 | | 1.93 | 2.13 | | ug/L | | 110 | 70 - 130 |
| Alachlor | <0.048 | | 1.93 | 2.11 | | ug/L | | 109 | 70 - 130 |
| alpha-BHC | <0.096 | | 1.93 | 1.88 | | ug/L | | 97 | 70 - 130 |
| alpha-Chlordane | <0.048 | | 1.93 | 1.86 | | ug/L | | 96 | 70 - 130 |
| Anthracene | <0.019 | F1 | 1.93 | 0.862 | F1 | ug/L | | 45 | 70 - 130 |
| Atrazine | <0.048 | | 1.93 | 2.04 | | ug/L | | 106 | 70 - 130 |
| Benz(a)anthracene | <0.048 | | 1.93 | 1.72 | | ug/L | | 89 | 70 - 130 |
| Benzo[a]pyrene | <0.019 | | 1.93 | 1.55 | | ug/L | | 81 | 70 - 130 |
| Benzo[b]fluoranthene | <0.019 | | 1.93 | 2.21 | | ug/L | | 114 | 70 - 130 |
| Benzo[g,h,i]perylene | <0.048 | | 1.93 | 2.03 | | ug/L | | 105 | 70 - 130 |
| Benzo[k]fluoranthene | <0.019 | | 1.93 | 1.97 | | ug/L | | 102 | 70 - 130 |
| beta-BHC | <0.096 | | 1.93 | 1.96 | | ug/L | | 102 | 70 - 130 |
| Bis(2-ethylhexyl) phthalate | <0.58 | | 1.93 | 1.87 | | ug/L | | 97 | 70 - 130 |
| Bromacil | <0.096 | | 1.93 | 2.13 | | ug/L | | 110 | 70 - 130 |
| Butachlor | <0.048 | | 1.93 | 2.17 | | ug/L | | 112 | 70 - 130 |
| Butylbenzylphthalate | <0.48 | | 1.93 | 2.16 | | ug/L | | 112 | 70 - 130 |

QC Sample Results

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

Job ID: 380-136942-1
 SDG: Weekly

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

Lab Sample ID: 380-135745-AJ-1-A MS
Matrix: Water
Analysis Batch: 137782

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 137708

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Chlorobenzilate | <0.096 | | 1.93 | 2.22 | | ug/L | | 115 | 70 - 130 |
| Chloroneb | <0.096 | | 1.93 | 1.94 | | ug/L | | 100 | 70 - 130 |
| Chlorothalonil (Draconil, Bravo) | <0.096 | | 1.93 | 2.03 | | ug/L | | 105 | 70 - 130 |
| Chlorpyrifos | <0.048 | | 1.93 | 2.04 | | ug/L | | 106 | 70 - 130 |
| Chrysene | <0.019 | | 1.93 | 1.87 | | ug/L | | 97 | 70 - 130 |
| delta-BHC | <0.096 | | 1.93 | 1.90 | | ug/L | | 98 | 70 - 130 |
| Di(2-ethylhexyl)adipate | <0.58 | | 1.93 | 2.00 | | ug/L | | 103 | 70 - 130 |
| Dibenz(a,h)anthracene | <0.048 | | 1.93 | 1.99 | | ug/L | | 103 | 70 - 130 |
| Diclorvos (DDVP) | <0.048 | | 1.93 | 2.02 | | ug/L | | 105 | 70 - 130 |
| Dieldrin | <0.0096 | | 1.93 | 2.02 | | ug/L | | 105 | 70 - 130 |
| Diethylphthalate | <0.48 | | 1.93 | 1.98 | | ug/L | | 102 | 70 - 130 |
| Dimethylphthalate | <0.48 | | 1.93 | 1.96 | | ug/L | | 102 | 70 - 130 |
| Di-n-butyl phthalate | <0.96 | | 3.86 | 4.10 | | ug/L | | 101 | 70 - 130 |
| Di-n-octyl phthalate | <0.096 | | 1.93 | 1.75 | | ug/L | | 91 | 70 - 130 |
| Endosulfan I (Alpha) | <0.096 | | 1.93 | 1.94 | | ug/L | | 100 | 70 - 130 |
| Endosulfan II (Beta) | <0.096 | | 1.93 | 1.89 | | ug/L | | 98 | 70 - 130 |
| Endosulfan sulfate | <0.096 | | 1.93 | 2.05 | | ug/L | | 106 | 70 - 130 |
| Endrin | <0.0096 | | 1.93 | 2.15 | | ug/L | | 111 | 70 - 130 |
| Endrin aldehyde | <0.096 | | 1.93 | 1.76 | | ug/L | | 91 | 60 - 130 |
| EPTC | <0.096 | | 1.93 | 2.00 | | ug/L | | 104 | 70 - 130 |
| Fluoranthene | <0.096 | | 1.93 | 2.00 | | ug/L | | 104 | 70 - 130 |
| Fluorene | <0.048 | | 1.93 | 1.92 | | ug/L | | 99 | 70 - 130 |
| gamma-Chlordane | <0.048 | | 1.93 | 1.84 | | ug/L | | 96 | 70 - 130 |
| Heptachlor | <0.0096 | ^3+ | 1.93 | 2.11 | | ug/L | | 109 | 70 - 130 |
| Heptachlor epoxide (isomer B) | <0.0096 | | 1.93 | 1.95 | | ug/L | | 101 | 70 - 130 |
| Hexachlorobenzene | <0.048 | | 1.93 | 1.92 | | ug/L | | 99 | 70 - 130 |
| Hexachlorocyclopentadiene | <0.048 | | 1.93 | 2.22 | | ug/L | | 113 | 70 - 130 |
| Indeno[1,2,3-cd]pyrene | <0.048 | | 1.93 | 2.10 | | ug/L | | 109 | 70 - 130 |
| Isophorone | <0.096 | | 1.93 | 1.86 | | ug/L | | 97 | 70 - 130 |
| Lindane | <0.0096 | | 1.93 | 2.00 | | ug/L | | 104 | 70 - 130 |
| Malathion | <0.096 | | 1.93 | 2.07 | | ug/L | | 107 | 70 - 130 |
| Methoxychlor | <0.048 | | 1.93 | 2.23 | | ug/L | | 115 | 70 - 130 |
| Metolachlor | <0.048 | | 1.93 | 2.16 | | ug/L | | 112 | 70 - 130 |
| Molinate | <0.096 | | 1.93 | 2.01 | | ug/L | | 104 | 70 - 130 |
| Naphthalene | <0.096 | | 1.93 | 1.93 | | ug/L | | 100 | 70 - 130 |
| Parathion | <0.096 | | 1.93 | 2.18 | | ug/L | | 113 | 70 - 130 |
| Pendimethalin (Penoxaline) | <0.096 | | 1.93 | 2.23 | | ug/L | | 115 | 70 - 130 |
| Phenanthrene | <0.039 | | 1.93 | 1.88 | | ug/L | | 97 | 70 - 130 |
| Propachlor | <0.048 | | 1.93 | 2.13 | | ug/L | | 110 | 70 - 130 |
| Pyrene | <0.048 | | 1.93 | 1.95 | | ug/L | | 101 | 70 - 130 |
| Simazine | <0.048 | | 1.93 | 2.01 | | ug/L | | 104 | 70 - 130 |
| Terbacil | <0.096 | | 1.93 | 2.19 | | ug/L | | 114 | 70 - 130 |
| Terbutylazine | <0.096 | | 1.93 | 2.16 | | ug/L | | 112 | 70 - 130 |
| Thiobencarb | <0.096 | | 1.93 | 2.05 | | ug/L | | 106 | 70 - 130 |
| trans-Nonachlor | <0.048 | | 1.93 | 1.86 | | ug/L | | 96 | 70 - 130 |
| Trifluralin | <0.096 | | 1.93 | 1.97 | | ug/L | | 102 | 70 - 130 |

QC Sample Results

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

Job ID: 380-136942-1
 SDG: Weekly

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

Lab Sample ID: 380-135745-AJ-1-A MS
Matrix: Water
Analysis Batch: 137782

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 137708

| <i>Surrogate</i> | <i>%Recovery</i> | <i>MS MS Qualifier</i> | <i>Limits</i> |
|--------------------|------------------|----------------------------|---------------|
| 2-Nitro-m-xylene | 100 | | 70 - 130 |
| Perylene-d12 | 98 | | 70 - 130 |
| Triphenylphosphate | 106 | | 70 - 130 |

Lab Sample ID: 380-136977-B-1-A DU
Matrix: Water
Analysis Batch: 137782

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 137708

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | Limit |
|----------------------------------|--------------------------|-----------------------------|----------------------|-------------------------|-------------|----------|------------|--------------|
| 1-Methylnaphthalene | <0.097 | | <0.097 | | ug/L | | NC | 20 |
| 2,4'-DDD | <0.097 | | <0.097 | | ug/L | | NC | 20 |
| 2,4'-DDE | <0.097 | | <0.097 | | ug/L | | NC | 20 |
| 2,4'-DDT | <0.097 | | <0.097 | | ug/L | | NC | 20 |
| 2,4-Dinitrotoluene | <0.097 | | <0.097 | | ug/L | | NC | 20 |
| 2,6-Dinitrotoluene | <0.097 | | <0.097 | | ug/L | | NC | 20 |
| 2-Methylnaphthalene | <0.097 | | <0.097 | | ug/L | | NC | 20 |
| 4,4'-DDD | <0.097 | | <0.097 | | ug/L | | NC | 20 |
| 4,4'-DDE | <0.097 | | <0.097 | | ug/L | | NC | 20 |
| 4,4'-DDT | <0.097 | | <0.097 | | ug/L | | NC | 20 |
| Acenaphthene | <0.097 | | <0.097 | | ug/L | | NC | 20 |
| Acenaphthylene | <0.097 | | <0.097 | | ug/L | | NC | 20 |
| Acetochlor | <0.097 | | <0.097 | | ug/L | | NC | 20 |
| Alachlor | <0.048 | | <0.048 | | ug/L | | NC | 20 |
| alpha-BHC | <0.097 | | <0.097 | | ug/L | | NC | 20 |
| alpha-Chlordane | <0.048 | | <0.048 | | ug/L | | NC | 20 |
| Anthracene | <0.019 | | <0.019 | | ug/L | | NC | 20 |
| Atrazine | <0.048 | | <0.048 | | ug/L | | NC | 20 |
| Benz(a)anthracene | <0.048 | | <0.048 | | ug/L | | NC | 20 |
| Benzo[a]pyrene | <0.019 | | <0.019 | | ug/L | | NC | 20 |
| Benzo[b]fluoranthene | <0.019 | | <0.019 | | ug/L | | NC | 20 |
| Benzo[g,h,i]perylene | <0.048 | | <0.048 | | ug/L | | NC | 20 |
| Benzo[k]fluoranthene | <0.019 | | <0.019 | | ug/L | | NC | 20 |
| beta-BHC | <0.097 | | <0.097 | | ug/L | | NC | 20 |
| Bis(2-ethylhexyl) phthalate | <0.58 | | <0.58 | | ug/L | | NC | 20 |
| Bromacil | <0.097 | | <0.097 | | ug/L | | NC | 20 |
| Butachlor | <0.048 | | <0.048 | | ug/L | | NC | 20 |
| Butylbenzylphthalate | <0.48 | | <0.48 | | ug/L | | NC | 20 |
| Chlorobenzilate | <0.097 | | <0.097 | | ug/L | | NC | 20 |
| Chloroneb | <0.097 | | <0.097 | | ug/L | | NC | 20 |
| Chlorothalonil (Draconil, Bravo) | <0.097 | | <0.097 | | ug/L | | NC | 20 |
| Chlorpyrifos | <0.048 | | <0.048 | | ug/L | | NC | 20 |
| Chrysene | <0.019 | | <0.019 | | ug/L | | NC | 20 |
| delta-BHC | <0.097 | | <0.097 | | ug/L | | NC | 20 |
| Di(2-ethylhexyl)adipate | <0.58 | | <0.58 | | ug/L | | NC | 20 |
| Dibenz(a,h)anthracene | <0.048 | | <0.048 | | ug/L | | NC | 20 |
| Diclorvos (DDVP) | <0.048 | | <0.048 | | ug/L | | NC | 20 |
| Dieldrin | 0.030 | | 0.0281 | | ug/L | | 6 | 20 |
| Diethylphthalate | <0.48 | | <0.48 | | ug/L | | NC | 20 |

QC Sample Results

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

Job ID: 380-136942-1
 SDG: Weekly

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

Lab Sample ID: 380-136977-B-1-A DU
Matrix: Water
Analysis Batch: 137782

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 137708

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

| Surrogate | DU %Recovery | DU Qualifier | Limits |
|--------------------|--------------|--------------|----------|
| 2-Nitro-m-xylene | 99 | | 70 - 130 |
| Perylene-d12 | 99 | | 70 - 130 |
| Triphenylphosphate | 103 | | 70 - 130 |

QC Sample Results

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

Job ID: 380-136942-1
SDG: Weekly

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

Lab Sample ID: MB 570-537230/1-A
Matrix: Water
Analysis Batch: 538945

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 537230

| <i>Tentatively Identified Compound</i> | <i>Est. Result</i> | <i>MB MB Qualifier</i> | <i>Unit</i> | <i>D</i> | <i>RT</i> | <i>CAS No.</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Dil Fac</i> |
|--|--------------------|------------------------|-------------|----------|-----------|----------------|-----------------------|-----------------------|----------------|
| <i>Tentatively Identified Compound</i> | <i>None</i> | | <i>ug/L</i> | | | <i>N/A</i> | <i>02/24/25 05:42</i> | <i>02/27/25 14:35</i> | <i>1</i> |

| <i>Surrogate</i> | <i>%Recovery</i> | <i>MB MB Qualifier</i> | <i>Limits</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Dil Fac</i> |
|------------------------------------|------------------|------------------------|-----------------|-----------------------|-----------------------|----------------|
| <i>2,4,6-Tribromophenol (Surr)</i> | <i>61</i> | | <i>33 - 139</i> | <i>02/24/25 05:42</i> | <i>02/27/25 14:35</i> | <i>1</i> |
| <i>2-Fluorobiphenyl (Surr)</i> | <i>81</i> | | <i>33 - 126</i> | <i>02/24/25 05:42</i> | <i>02/27/25 14:35</i> | <i>1</i> |
| <i>2-Fluorophenol (Surr)</i> | <i>54</i> | | <i>12 - 120</i> | <i>02/24/25 05:42</i> | <i>02/27/25 14:35</i> | <i>1</i> |
| <i>Nitrobenzene-d5 (Surr)</i> | <i>77</i> | | <i>36 - 120</i> | <i>02/24/25 05:42</i> | <i>02/27/25 14:35</i> | <i>1</i> |
| <i>Phenol-d6 (Surr)</i> | <i>38</i> | | <i>10 - 120</i> | <i>02/24/25 05:42</i> | <i>02/27/25 14:35</i> | <i>1</i> |
| <i>p-Terphenyl-d14 (Surr)</i> | <i>77</i> | | <i>47 - 131</i> | <i>02/24/25 05:42</i> | <i>02/27/25 14:35</i> | <i>1</i> |

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

Lab Sample ID: MB 570-537230/1-A
Matrix: Water
Analysis Batch: 538414

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 537230

| <i>Analyte</i> | <i>Result</i> | <i>MB MB Qualifier</i> | <i>RL</i> | <i>Unit</i> | <i>D</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Dil Fac</i> |
|-------------------------------|-----------------|------------------------|-------------|-------------|----------|-----------------------|-----------------------|----------------|
| <i>1-Methylnaphthalene</i> | <i><0.20</i> | | <i>0.20</i> | <i>ug/L</i> | | <i>02/24/25 05:42</i> | <i>02/26/25 09:33</i> | <i>1</i> |
| <i>2-Methylnaphthalene</i> | <i><0.20</i> | | <i>0.20</i> | <i>ug/L</i> | | <i>02/24/25 05:42</i> | <i>02/26/25 09:33</i> | <i>1</i> |
| <i>Acenaphthene</i> | <i><0.20</i> | | <i>0.20</i> | <i>ug/L</i> | | <i>02/24/25 05:42</i> | <i>02/26/25 09:33</i> | <i>1</i> |
| <i>Acenaphthylene</i> | <i><0.20</i> | | <i>0.20</i> | <i>ug/L</i> | | <i>02/24/25 05:42</i> | <i>02/26/25 09:33</i> | <i>1</i> |
| <i>Anthracene</i> | <i><0.20</i> | | <i>0.20</i> | <i>ug/L</i> | | <i>02/24/25 05:42</i> | <i>02/26/25 09:33</i> | <i>1</i> |
| <i>Benzo[a]anthracene</i> | <i><0.20</i> | | <i>0.20</i> | <i>ug/L</i> | | <i>02/24/25 05:42</i> | <i>02/26/25 09:33</i> | <i>1</i> |
| <i>Benzo[a]pyrene</i> | <i><0.20</i> | | <i>0.20</i> | <i>ug/L</i> | | <i>02/24/25 05:42</i> | <i>02/26/25 09:33</i> | <i>1</i> |
| <i>Benzo[b]fluoranthene</i> | <i><0.20</i> | | <i>0.20</i> | <i>ug/L</i> | | <i>02/24/25 05:42</i> | <i>02/26/25 09:33</i> | <i>1</i> |
| <i>Benzo[g,h,i]perylene</i> | <i><0.20</i> | | <i>0.20</i> | <i>ug/L</i> | | <i>02/24/25 05:42</i> | <i>02/26/25 09:33</i> | <i>1</i> |
| <i>Benzo[k]fluoranthene</i> | <i><0.20</i> | | <i>0.20</i> | <i>ug/L</i> | | <i>02/24/25 05:42</i> | <i>02/26/25 09:33</i> | <i>1</i> |
| <i>Chrysene</i> | <i><0.20</i> | | <i>0.20</i> | <i>ug/L</i> | | <i>02/24/25 05:42</i> | <i>02/26/25 09:33</i> | <i>1</i> |
| <i>Dibenz(a,h)anthracene</i> | <i><0.20</i> | | <i>0.20</i> | <i>ug/L</i> | | <i>02/24/25 05:42</i> | <i>02/26/25 09:33</i> | <i>1</i> |
| <i>Fluoranthene</i> | <i><0.20</i> | | <i>0.20</i> | <i>ug/L</i> | | <i>02/24/25 05:42</i> | <i>02/26/25 09:33</i> | <i>1</i> |
| <i>Fluorene</i> | <i><0.20</i> | | <i>0.20</i> | <i>ug/L</i> | | <i>02/24/25 05:42</i> | <i>02/26/25 09:33</i> | <i>1</i> |
| <i>Indeno[1,2,3-cd]pyrene</i> | <i><0.20</i> | | <i>0.20</i> | <i>ug/L</i> | | <i>02/24/25 05:42</i> | <i>02/26/25 09:33</i> | <i>1</i> |
| <i>Naphthalene</i> | <i><0.20</i> | | <i>0.20</i> | <i>ug/L</i> | | <i>02/24/25 05:42</i> | <i>02/26/25 09:33</i> | <i>1</i> |
| <i>Phenanthrene</i> | <i><0.20</i> | | <i>0.20</i> | <i>ug/L</i> | | <i>02/24/25 05:42</i> | <i>02/26/25 09:33</i> | <i>1</i> |
| <i>Pyrene</i> | <i><0.20</i> | | <i>0.20</i> | <i>ug/L</i> | | <i>02/24/25 05:42</i> | <i>02/26/25 09:33</i> | <i>1</i> |

| <i>Surrogate</i> | <i>%Recovery</i> | <i>MB MB Qualifier</i> | <i>Limits</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Dil Fac</i> |
|------------------------------------|------------------|------------------------|-----------------|-----------------------|-----------------------|----------------|
| <i>2,4,6-Tribromophenol (Surr)</i> | <i>70</i> | | <i>28 - 127</i> | <i>02/24/25 05:42</i> | <i>02/26/25 09:33</i> | <i>1</i> |
| <i>2-Fluorobiphenyl (Surr)</i> | <i>68</i> | | <i>31 - 120</i> | <i>02/24/25 05:42</i> | <i>02/26/25 09:33</i> | <i>1</i> |
| <i>2-Fluorophenol (Surr)</i> | <i>46</i> | | <i>17 - 120</i> | <i>02/24/25 05:42</i> | <i>02/26/25 09:33</i> | <i>1</i> |
| <i>Nitrobenzene-d5 (Surr)</i> | <i>70</i> | | <i>27 - 120</i> | <i>02/24/25 05:42</i> | <i>02/26/25 09:33</i> | <i>1</i> |
| <i>Phenol-d6 (Surr)</i> | <i>31</i> | | <i>10 - 120</i> | <i>02/24/25 05:42</i> | <i>02/26/25 09:33</i> | <i>1</i> |
| <i>p-Terphenyl-d14 (Surr)</i> | <i>75</i> | | <i>45 - 120</i> | <i>02/24/25 05:42</i> | <i>02/26/25 09:33</i> | <i>1</i> |

QC Sample Results

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

Job ID: 380-136942-1
SDG: Weekly

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

Lab Sample ID: LCS 570-537230/2-A
Matrix: Water
Analysis Batch: 538414

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 537230

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|------------------------|-------------|------------|---------------|------|---|------|-------------|
| 1-Methylnaphthalene | 20.0 | 13.9 | | ug/L | | 70 | 47 - 120 |
| 2-Methylnaphthalene | 20.0 | 15.9 | | ug/L | | 79 | 43 - 120 |
| Acenaphthene | 20.0 | 17.2 | | ug/L | | 86 | 60 - 132 |
| Acenaphthylene | 20.0 | 16.5 | | ug/L | | 83 | 54 - 126 |
| Anthracene | 20.0 | 16.9 | | ug/L | | 84 | 43 - 120 |
| Benzo[a]anthracene | 20.0 | 16.9 | | ug/L | | 84 | 42 - 133 |
| Benzo[a]pyrene | 20.0 | 17.7 | | ug/L | | 89 | 32 - 148 |
| Benzo[b]fluoranthene | 20.0 | 17.1 | | ug/L | | 86 | 42 - 140 |
| Benzo[g,h,i]perylene | 20.0 | 16.2 | | ug/L | | 81 | 1 - 195 |
| Benzo[k]fluoranthene | 20.0 | 17.3 | | ug/L | | 86 | 25 - 146 |
| Chrysene | 20.0 | 16.0 | | ug/L | | 80 | 44 - 140 |
| Dibenz(a,h)anthracene | 20.0 | 17.0 | | ug/L | | 85 | 1 - 200 |
| Fluoranthene | 20.0 | 17.9 | | ug/L | | 89 | 43 - 121 |
| Fluorene | 20.0 | 17.4 | | ug/L | | 87 | 70 - 120 |
| Indeno[1,2,3-cd]pyrene | 20.0 | 17.1 | | ug/L | | 86 | 1 - 151 |
| Naphthalene | 20.0 | 14.5 | | ug/L | | 73 | 36 - 120 |
| Phenanthrene | 20.0 | 16.7 | | ug/L | | 84 | 65 - 120 |
| Pyrene | 20.0 | 17.0 | | ug/L | | 85 | 70 - 120 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|-----------------------------|---------------|---------------|----------|
| 2,4,6-Tribromophenol (Surr) | 74 | | 28 - 127 |
| 2-Fluorobiphenyl (Surr) | 81 | | 31 - 120 |
| 2-Fluorophenol (Surr) | 63 | | 17 - 120 |
| Nitrobenzene-d5 (Surr) | 73 | | 27 - 120 |
| Phenol-d6 (Surr) | 43 | | 10 - 120 |
| p-Terphenyl-d14 (Surr) | 80 | | 45 - 120 |

Lab Sample ID: LCSD 570-537230/3-A
Matrix: Water
Analysis Batch: 538414

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 537230

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| 1-Methylnaphthalene | 20.0 | 14.2 | | ug/L | | 71 | 47 - 120 | 2 | 20 |
| 2-Methylnaphthalene | 20.0 | 16.0 | | ug/L | | 80 | 43 - 120 | 1 | 20 |
| Acenaphthene | 20.0 | 16.5 | | ug/L | | 83 | 60 - 132 | 4 | 29 |
| Acenaphthylene | 20.0 | 15.9 | | ug/L | | 79 | 54 - 126 | 4 | 45 |
| Anthracene | 20.0 | 16.5 | | ug/L | | 82 | 43 - 120 | 2 | 40 |
| Benzo[a]anthracene | 20.0 | 16.2 | | ug/L | | 81 | 42 - 133 | 4 | 32 |
| Benzo[a]pyrene | 20.0 | 16.7 | | ug/L | | 84 | 32 - 148 | 6 | 43 |
| Benzo[b]fluoranthene | 20.0 | 16.4 | | ug/L | | 82 | 42 - 140 | 5 | 43 |
| Benzo[g,h,i]perylene | 20.0 | 15.1 | | ug/L | | 76 | 1 - 195 | 7 | 61 |
| Benzo[k]fluoranthene | 20.0 | 16.2 | | ug/L | | 81 | 25 - 146 | 6 | 38 |
| Chrysene | 20.0 | 15.6 | | ug/L | | 78 | 44 - 140 | 3 | 53 |
| Dibenz(a,h)anthracene | 20.0 | 16.0 | | ug/L | | 80 | 1 - 200 | 6 | 75 |
| Fluoranthene | 20.0 | 16.1 | | ug/L | | 81 | 43 - 121 | 10 | 40 |
| Fluorene | 20.0 | 16.7 | | ug/L | | 83 | 70 - 120 | 4 | 23 |
| Indeno[1,2,3-cd]pyrene | 20.0 | 16.2 | | ug/L | | 81 | 1 - 151 | 5 | 60 |
| Naphthalene | 20.0 | 14.0 | | ug/L | | 70 | 36 - 120 | 4 | 39 |

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QC Sample Results

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

Job ID: 380-136942-1
SDG: Weekly

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

Lab Sample ID: LCSD 570-537230/3-A
Matrix: Water
Analysis Batch: 538414

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 537230

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Phenanthrene | 20.0 | 16.0 | | ug/L | | 80 | 65 - 120 | 4 | 24 |
| Pyrene | 20.0 | 17.0 | | ug/L | | 85 | 70 - 120 | 0 | 30 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | LCSD Limits |
|-----------------------------|----------------|----------------|-------------|
| 2,4,6-Tribromophenol (Surr) | 74 | | 28 - 127 |
| 2-Fluorobiphenyl (Surr) | 79 | | 31 - 120 |
| 2-Fluorophenol (Surr) | 57 | | 17 - 120 |
| Nitrobenzene-d5 (Surr) | 71 | | 27 - 120 |
| Phenol-d6 (Surr) | 40 | | 10 - 120 |
| p-Terphenyl-d14 (Surr) | 82 | | 45 - 120 |

Lab Sample ID: 380-136981-A-1-A MS
Matrix: Water
Analysis Batch: 538930

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 537230

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| 1-Methylnaphthalene | <0.19 | | 19.1 | 14.9 | | ug/L | | 78 | 36 - 120 |
| 2-Methylnaphthalene | <0.19 | | 19.1 | 16.4 | | ug/L | | 86 | 32 - 124 |
| Acenaphthene | <0.19 | | 19.1 | 15.2 | | ug/L | | 79 | 47 - 145 |
| Acenaphthylene | <0.19 | | 19.1 | 14.3 | | ug/L | | 75 | 33 - 145 |
| Anthracene | <0.19 | | 19.1 | 15.0 | | ug/L | | 79 | 27 - 133 |
| Benzo[a]anthracene | <0.19 | | 19.1 | 15.4 | | ug/L | | 81 | 33 - 143 |
| Benzo[a]pyrene | <0.19 | | 19.1 | 15.4 | | ug/L | | 80 | 17 - 163 |
| Benzo[b]fluoranthene | <0.19 | | 19.1 | 15.3 | | ug/L | | 80 | 24 - 159 |
| Benzo[g,h,i]perylene | <0.19 | | 19.1 | 14.4 | | ug/L | | 75 | 1 - 219 |
| Benzo[k]fluoranthene | <0.19 | | 19.1 | 15.3 | | ug/L | | 80 | 11 - 162 |
| Chrysene | <0.19 | | 19.1 | 14.8 | | ug/L | | 77 | 17 - 168 |
| Dibenz(a,h)anthracene | <0.19 | | 19.1 | 15.1 | | ug/L | | 79 | 1 - 227 |
| Fluoranthene | <0.19 | | 19.1 | 15.5 | | ug/L | | 81 | 26 - 137 |
| Fluorene | <0.19 | | 19.1 | 15.3 | | ug/L | | 80 | 59 - 121 |
| Indeno[1,2,3-cd]pyrene | <0.19 | | 19.1 | 15.4 | | ug/L | | 80 | 1 - 171 |
| Naphthalene | <0.19 | | 19.1 | 16.3 | | ug/L | | 85 | 21 - 133 |
| Phenanthrene | <0.19 | | 19.1 | 15.0 | | ug/L | | 79 | 54 - 120 |
| Pyrene | <0.19 | | 19.1 | 15.2 | | ug/L | | 80 | 52 - 120 |

| Surrogate | MS %Recovery | MS Qualifier | MS Limits |
|-----------------------------|--------------|--------------|-----------|
| 2,4,6-Tribromophenol (Surr) | 72 | | 28 - 127 |
| 2-Fluorobiphenyl (Surr) | 72 | | 31 - 120 |
| 2-Fluorophenol (Surr) | 60 | | 17 - 120 |
| Nitrobenzene-d5 (Surr) | 81 | | 27 - 120 |
| Phenol-d6 (Surr) | 39 | | 10 - 120 |
| p-Terphenyl-d14 (Surr) | 75 | | 45 - 120 |

QC Sample Results

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

Job ID: 380-136942-1
SDG: Weekly

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

Lab Sample ID: 380-136981-A-1-B MSD

Matrix: Water

Analysis Batch: 538930

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 537230

| Analyte | Sample | Sample | Spike | MSD | MSD | Unit | D | %Rec | %Rec | RPD | Limit |
|------------------------|--------|-----------|-------|--------|-----------|------|---|------|----------|-----|-------|
| | Result | Qualifier | Added | Result | Qualifier | | | | Limits | | |
| 1-Methylnaphthalene | <0.19 | | 19.2 | 13.6 | | ug/L | | 71 | 36 - 120 | 9 | 30 |
| 2-Methylnaphthalene | <0.19 | | 19.2 | 15.1 | | ug/L | | 79 | 32 - 124 | 8 | 30 |
| Acenaphthene | <0.19 | | 19.2 | 15.1 | | ug/L | | 79 | 47 - 145 | 0 | 48 |
| Acenaphthylene | <0.19 | | 19.2 | 14.3 | | ug/L | | 74 | 33 - 145 | 0 | 74 |
| Anthracene | <0.19 | | 19.2 | 14.8 | | ug/L | | 77 | 27 - 133 | 2 | 66 |
| Benzo[a]anthracene | <0.19 | | 19.2 | 14.5 | | ug/L | | 76 | 33 - 143 | 6 | 53 |
| Benzo[a]pyrene | <0.19 | | 19.2 | 14.6 | | ug/L | | 76 | 17 - 163 | 6 | 72 |
| Benzo[b]fluoranthene | <0.19 | | 19.2 | 14.9 | | ug/L | | 78 | 24 - 159 | 3 | 71 |
| Benzo[g,h,i]perylene | <0.19 | | 19.2 | 13.8 | | ug/L | | 72 | 1 - 219 | 4 | 97 |
| Benzo[k]fluoranthene | <0.19 | | 19.2 | 14.4 | | ug/L | | 75 | 11 - 162 | 6 | 63 |
| Chrysene | <0.19 | | 19.2 | 14.3 | | ug/L | | 74 | 17 - 168 | 3 | 87 |
| Dibenz(a,h)anthracene | <0.19 | | 19.2 | 14.5 | | ug/L | | 75 | 1 - 227 | 5 | 126 |
| Fluoranthene | <0.19 | | 19.2 | 15.2 | | ug/L | | 80 | 26 - 137 | 2 | 66 |
| Fluorene | <0.19 | | 19.2 | 15.3 | | ug/L | | 80 | 59 - 121 | 0 | 38 |
| Indeno[1,2,3-cd]pyrene | <0.19 | | 19.2 | 14.7 | | ug/L | | 77 | 1 - 171 | 5 | 99 |
| Naphthalene | <0.19 | | 19.2 | 13.9 | | ug/L | | 73 | 21 - 133 | 15 | 65 |
| Phenanthrene | <0.19 | | 19.2 | 14.7 | | ug/L | | 77 | 54 - 120 | 2 | 39 |
| Pyrene | <0.19 | | 19.2 | 15.3 | | ug/L | | 80 | 52 - 120 | 0 | 49 |

| Surrogate | MSD %Recovery | MSD Qualifier | Limits |
|-----------------------------|---------------|---------------|----------|
| 2,4,6-Tribromophenol (Surr) | 70 | | 28 - 127 |
| 2-Fluorobiphenyl (Surr) | 74 | | 31 - 120 |
| 2-Fluorophenol (Surr) | 55 | | 17 - 120 |
| Nitrobenzene-d5 (Surr) | 72 | | 27 - 120 |
| Phenol-d6 (Surr) | 37 | | 10 - 120 |
| p-Terphenyl-d14 (Surr) | 75 | | 45 - 120 |

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

Lab Sample ID: MB 570-539460/13

Matrix: Water

Analysis Batch: 539460

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte | MB | MB | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|--------------|--------|-----------|----|------|---|----------|----------------|---------|
| | Result | Qualifier | | | | | | |
| GRO (C6-C10) | <10 | | 10 | ug/L | | | 02/28/25 15:09 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 76 | | 38 - 134 | | 02/28/25 15:09 | 1 |

Lab Sample ID: LCS 570-539460/1011

Matrix: Water

Analysis Batch: 539460

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS | LCS | Unit | D | %Rec | %Rec |
|----------------------------------|-------------|--------|-----------|------|---|------|----------|
| | | Result | Qualifier | | | | Limits |
| Gasoline Range Organics (C4-C13) | 400 | 447 | | ug/L | | 112 | 78 - 120 |

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-136942-1
SDG: Weekly

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

Lab Sample ID: LCS 570-539460/1011
Matrix: Water
Analysis Batch: 539460

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

| | LCS %Recovery | LCS Qualifier | Limits |
|---|------------------|------------------|----------|
| Surrogate 4-Bromofluorobenzene (Surr) | 94 | | 38 - 134 |

Lab Sample ID: LCSD 570-539460/12
Matrix: Water
Analysis Batch: 539460

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 | 462 | | ug/L | | 115 | 78 - 120 | 3 | 10 |

| | LCSD %Recovery | LCSD Qualifier | Limits |
|---|-------------------|-------------------|----------|
| Surrogate 4-Bromofluorobenzene (Surr) | 100 | | 38 - 134 |

Lab Sample ID: MRL 570-539460/1006
Matrix: Water
Analysis Batch: 539460

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 | 11.2 | | ug/L | | 112 | 50 - 150 |

| | MRL %Recovery | MRL Qualifier | Limits |
|---|------------------|------------------|----------|
| Surrogate 4-Bromofluorobenzene (Surr) | 76 | | 38 - 134 |

Lab Sample ID: 380-136981-C-1 MS
Matrix: Water
Analysis Batch: 539460

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 | 441 | | ug/L | | 110 | 68 - 122 |

| | MS %Recovery | MS Qualifier | Limits |
|---|-----------------|-----------------|----------|
| Surrogate 4-Bromofluorobenzene (Surr) | 99 | | 38 - 134 |

Lab Sample ID: 380-136981-C-1 MSD
Matrix: Water
Analysis Batch: 539460

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 | 468 | | ug/L | | 117 | 68 - 122 | 6 | 18 |

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

QC Sample Results

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

Job ID: 380-136942-1
SDG: Weekly

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

Lab Sample ID: MB 570-537151/1-A
Matrix: Water
Analysis Batch: 537607

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 537151

| Analyte | MB MB | | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------------|-----------|-----------|----------|------|---|----------------|----------------|---------|
| | Result | Qualifier | | | | | | |
| Diesel Range Organics (C10-C24) | <25 | | 25 | ug/L | | 02/23/25 13:21 | 02/24/25 18:40 | 1 |
| Motor Oil Range Organics [C24-C36] | <25 | | 25 | ug/L | | 02/23/25 13:21 | 02/24/25 18:40 | 1 |
| C8-C18 | <25 | | 25 | ug/L | | 02/23/25 13:21 | 02/24/25 18:40 | 1 |
| Surrogate | MB MB | | Limits | | | Prepared | Analyzed | Dil Fac |
| | %Recovery | Qualifier | | | | | | |
| <i>n-Octacosane (Surr)</i> | 93 | | 60 - 130 | | | 02/23/25 13:21 | 02/24/25 18:40 | 1 |

Lab Sample ID: LCS 570-537151/2-A
Matrix: Water
Analysis Batch: 537607

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 537151

| Analyte | Spike Added | LCS LCS | | Unit | D | %Rec | %Rec Limits |
|----------------------------|-------------|-----------|-----------|------|---|------|-------------|
| | | Result | Qualifier | | | | |
| C10-C28 | 1600 | 1350 | | ug/L | | 84 | 56 - 127 |
| Surrogate | LCS LCS | | Limits | | | %Rec | |
| | %Recovery | Qualifier | | | | | |
| <i>n-Octacosane (Surr)</i> | 87 | | 60 - 130 | | | | |

Lab Sample ID: LCSD 570-537151/3-A
Matrix: Water
Analysis Batch: 537607

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 537151

| Analyte | Spike Added | LCSD LCSD | | Unit | D | %Rec | %Rec Limits | RPD | |
|----------------------------|-------------|-----------|-----------|------|---|------|-------------|-----|-------|
| | | Result | Qualifier | | | | | RPD | Limit |
| C10-C28 | 1600 | 1460 | | ug/L | | 91 | 56 - 127 | 7 | 23 |
| Surrogate | LCSD LCSD | | Limits | | | %Rec | | | |
| | %Recovery | Qualifier | | | | | | | |
| <i>n-Octacosane (Surr)</i> | 89 | | 60 - 130 | | | | | | |

Lab Sample ID: MRL 570-537151/4-A
Matrix: Water
Analysis Batch: 537607

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 537151

| Analyte | Spike Added | MRL MRL | | Unit | D | %Rec | %Rec Limits |
|----------------------------|-------------|-----------|-----------|------|---|------|-------------|
| | | Result | Qualifier | | | | |
| C10-C28 | 0.0200 | <0.020 | | mg/L | | 83 | 50 - 150 |
| Surrogate | MRL MRL | | Limits | | | %Rec | |
| | %Recovery | Qualifier | | | | | |
| <i>n-Octacosane (Surr)</i> | 95 | | 60 - 130 | | | | |

Lab Sample ID: 380-136981-B-1-A MS
Matrix: Water
Analysis Batch: 537607

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 537151

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS MS | | Unit | D | %Rec | %Rec Limits |
|----------------------------|---------------|------------------|-------------|--------|-----------|------|---|------|-------------|
| | | | | Result | Qualifier | | | | |
| C10-C28 | <26 | | 1640 | 1560 | | ug/L | | 95 | 70 - 130 |
| Surrogate | MS MS | | Limits | | | | | %Rec | |
| | %Recovery | Qualifier | | | | | | | |
| <i>n-Octacosane (Surr)</i> | 97 | | 60 - 130 | | | | | | |

QC Sample Results

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

Job ID: 380-136942-1
 SDG: Weekly

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

Lab Sample ID: 380-136981-B-1-B MSD
Matrix: Water
Analysis Batch: 537607

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 537151

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-----------------------------|------------------|--------------------------|--------------------------|---------------|------------------|------|---|------|----------------|-----|--------------|
| C10-C28 | <26 | | 1650 | 1600 | | ug/L | | 97 | 70 - 130 | 2 | 20 |
| Surrogate | | MSD %Recovery | MSD Qualifier | Limits | | | | | | | |
| <i>n</i> -Octacosane (Surr) | | 94 | | 60 - 130 | | | | | | | |

- 1
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QC Association Summary

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

Job ID: 380-136942-1
SDG: Weekly

GC/MS Semi VOA

Prep Batch: 137708

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|---------------------------|-----------|--------|--------|------------|
| 380-136942-1 | HALAWA SHAFT VIEWING POOL | Total/NA | Water | 525.2 | |
| MB 380-137708/21-A | Method Blank | Total/NA | Water | 525.2 | |
| LCS 380-137708/23-A | Lab Control Sample | Total/NA | Water | 525.2 | |
| MRL 380-137708/22-A | Lab Control Sample | Total/NA | Water | 525.2 | |
| 380-135745-AJ-1-A MS | Matrix Spike | Total/NA | Water | 525.2 | |
| 380-136977-B-1-A DU | Duplicate | Total/NA | Water | 525.2 | |

Analysis Batch: 137782

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|--------------------|-----------|--------|--------|------------|
| MB 380-137708/21-A | Method Blank | Total/NA | Water | 525.2 | 137708 |
| LCS 380-137708/23-A | Lab Control Sample | Total/NA | Water | 525.2 | 137708 |
| MRL 380-137708/22-A | Lab Control Sample | Total/NA | Water | 525.2 | 137708 |
| 380-135745-AJ-1-A MS | Matrix Spike | Total/NA | Water | 525.2 | 137708 |
| 380-136977-B-1-A DU | Duplicate | Total/NA | Water | 525.2 | 137708 |

Analysis Batch: 138007

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|---------------------------|-----------|--------|--------|------------|
| 380-136942-1 | HALAWA SHAFT VIEWING POOL | Total/NA | Water | 525.2 | 137708 |

Prep Batch: 537230

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|---------------------------|-----------|--------|--------|------------|
| 380-136942-1 | HALAWA SHAFT VIEWING POOL | Total/NA | Water | 625.1 | |
| MB 570-537230/1-A | Method Blank | Total/NA | Water | 625.1 | |
| LCS 570-537230/2-A | Lab Control Sample | Total/NA | Water | 625.1 | |
| LCSD 570-537230/3-A | Lab Control Sample Dup | Total/NA | Water | 625.1 | |
| 380-136981-A-1-A MS | Matrix Spike | Total/NA | Water | 625.1 | |
| 380-136981-A-1-B MSD | Matrix Spike Duplicate | Total/NA | Water | 625.1 | |

Analysis Batch: 538414

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|-----------|------------|
| MB 570-537230/1-A | Method Blank | Total/NA | Water | 625.1 SIM | 537230 |
| LCS 570-537230/2-A | Lab Control Sample | Total/NA | Water | 625.1 SIM | 537230 |
| LCSD 570-537230/3-A | Lab Control Sample Dup | Total/NA | Water | 625.1 SIM | 537230 |

Analysis Batch: 538930

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|---------------------------|-----------|--------|-----------|------------|
| 380-136942-1 | HALAWA SHAFT VIEWING POOL | Total/NA | Water | 625.1 SIM | 537230 |
| 380-136981-A-1-A MS | Matrix Spike | Total/NA | Water | 625.1 SIM | 537230 |
| 380-136981-A-1-B MSD | Matrix Spike Duplicate | Total/NA | Water | 625.1 SIM | 537230 |

Analysis Batch: 538945

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|---------------------------|-----------|--------|--------|------------|
| 380-136942-1 | HALAWA SHAFT VIEWING POOL | Total/NA | Water | 625.1 | 537230 |
| MB 570-537230/1-A | Method Blank | Total/NA | Water | 625.1 | 537230 |

GC VOA

Analysis Batch: 539460

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|---------------------------|-----------|--------|--------------|------------|
| 380-136942-1 | HALAWA SHAFT VIEWING POOL | Total/NA | Water | 8015B GRO LL | |
| 380-136942-2 | TRIP BLANK | Total/NA | Water | 8015B GRO LL | |

QC Association Summary

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

Job ID: 380-136942-1
 SDG: Weekly

GC VOA (Continued)

Analysis Batch: 539460 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------------|------------|
| MB 570-539460/13 | Method Blank | Total/NA | Water | 8015B GRO LL | |
| LCS 570-539460/1011 | Lab Control Sample | Total/NA | Water | 8015B GRO LL | |
| LCSD 570-539460/12 | Lab Control Sample Dup | Total/NA | Water | 8015B GRO LL | |
| MRL 570-539460/1006 | Lab Control Sample | Total/NA | Water | 8015B GRO LL | |
| 380-136981-C-1 MS | Matrix Spike | Total/NA | Water | 8015B GRO LL | |
| 380-136981-C-1 MSD | Matrix Spike Duplicate | Total/NA | Water | 8015B GRO LL | |

GC Semi VOA

Prep Batch: 537151

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|---------------------------|-----------|--------|--------|------------|
| 380-136942-1 | HALAWA SHAFT VIEWING POOL | Total/NA | Water | 3510C | |
| MB 570-537151/1-A | Method Blank | Total/NA | Water | 3510C | |
| LCS 570-537151/2-A | Lab Control Sample | Total/NA | Water | 3510C | |
| LCSD 570-537151/3-A | Lab Control Sample Dup | Total/NA | Water | 3510C | |
| MRL 570-537151/4-A | Lab Control Sample | Total/NA | Water | 3510C | |
| 380-136981-B-1-A MS | Matrix Spike | Total/NA | Water | 3510C | |
| 380-136981-B-1-B MSD | Matrix Spike Duplicate | Total/NA | Water | 3510C | |

Analysis Batch: 537607

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|---------------------------|-----------|--------|--------|------------|
| 380-136942-1 | HALAWA SHAFT VIEWING POOL | Total/NA | Water | 8015B | 537151 |
| MB 570-537151/1-A | Method Blank | Total/NA | Water | 8015B | 537151 |
| LCS 570-537151/2-A | Lab Control Sample | Total/NA | Water | 8015B | 537151 |
| LCSD 570-537151/3-A | Lab Control Sample Dup | Total/NA | Water | 8015B | 537151 |
| MRL 570-537151/4-A | Lab Control Sample | Total/NA | Water | 8015B | 537151 |
| 380-136981-B-1-A MS | Matrix Spike | Total/NA | Water | 8015B | 537151 |
| 380-136981-B-1-B MSD | Matrix Spike Duplicate | Total/NA | Water | 8015B | 537151 |

Lab Chronicle

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

Job ID: 380-136942-1
 SDG: Weekly

Client Sample ID: HALAWA SHAFT VIEWING POOL

Lab Sample ID: 380-136942-1

Date Collected: 02/18/25 10:00

Matrix: Water

Date Received: 02/21/25 09:34

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|-----------|----------------------|
| Total/NA | Prep | 525.2 | | | 137708 | OTM3 | EA POM | 02/25/25 07:06 |
| Total/NA | Analysis | 525.2 | | 1 | 138007 | UPAC | EA POM | 02/26/25 09:40 |
| Total/NA | Prep | 625.1 | | | 537230 | H1SH | EET CAL 4 | 02/24/25 05:42 |
| Total/NA | Analysis | 625.1 | | 1 | 538945 | CG | EET CAL 4 | 02/27/25 15:42 |
| Total/NA | Prep | 625.1 | | | 537230 | H1SH | EET CAL 4 | 02/24/25 05:42 |
| Total/NA | Analysis | 625.1 SIM | | 1 | 538930 | PQS1 | EET CAL 4 | 02/27/25 15:10 |
| Total/NA | Analysis | 8015B GRO LL | | 1 | 539460 | A9VE | EET CAL 4 | 02/28/25 21:00 |
| Total/NA | Prep | 3510C | | | 537151 | TVD6 | EET CAL 4 | 02/23/25 13:30 |
| Total/NA | Analysis | 8015B | | 1 | 537607 | H6FE | EET CAL 4 | 02/24/25 21:51 |

Client Sample ID: TRIP BLANK

Lab Sample ID: 380-136942-2

Date Collected: 02/18/25 10:00

Matrix: Water

Date Received: 02/21/25 09:34

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|-----------|----------------------|
| Total/NA | Analysis | 8015B GRO LL | | 1 | 539460 | A9VE | EET CAL 4 | 02/28/25 19:16 |

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

Accreditation/Certification Summary

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

Job ID: 380-136942-1
 SDG: Weekly

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 | 01-31-25 * |

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 |
| Arizona | State | AZ0830 | 11-16-25 |
| Arkansas DEQ | State | 88-01672 | 07-02-25 |
| California | Los Angeles County Sanitation Districts | 9257304 | 07-31-26 |
| California | SCAQMD LAP | 17LA0919 | 11-30-25 |
| California | State | 3082 | 07-31-25 |

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

Eurofins Eaton Analytical Pomona

Accreditation/Certification Summary

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

Job ID: 380-136942-1
SDG: Weekly

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 | CA001112025-8 | 02-28-26 |
| Washington | State | C916 | 10-11-25 |

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Method Summary

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

Job ID: 380-136942-1
SDG: Weekly

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

Protocol References:

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

EPA = US Environmental Protection Agency

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

Laboratory References:

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

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

Sample Summary

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

Job ID: 380-136942-1
SDG: Weekly

| <u>Lab Sample ID</u> | <u>Client Sample ID</u> | <u>Matrix</u> | <u>Collected</u> | <u>Received</u> |
|----------------------|---------------------------|---------------|------------------|-----------------|
| 380-136942-1 | HALAWA SHAFT VIEWING POOL | Water | 02/18/25 10:00 | 02/21/25 09:34 |
| 380-136942-2 | TRIP BLANK | Water | 02/18/25 10:00 | 02/21/25 09:34 |

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Chain of Custody Record

| Client Information | Lab PM | Carrier Tracking No(s) | COC No: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|---|--|----------------------------|-----------------------------------|---|----|---------------------------|----|---|----|---------------------------|------------------|-------------------------------|--|--|--|--|--|--|--|---|------------------------|--|--|--|--|--|--|--|----------------|--|---|--|--|--|--|--|--|-----------------------------------|--|--|--|--|--|--|--|--|
| Company: City & County of Honolulu Address: 630 South Beretania Street Chemistry Lab Honolulu HI 96843 Phone: 808-748-5091(Tel) Email: RFENSTEMACHER@hbws.org Project Name: RED-HILL/HBWS Sites Event Desc: RUSH Weekly Red Hill Site: Hawaii | Sampler: EJ Lab PM: Arada Rachelle E-Mail: Rachelle.Arada@et.eurofins.com | Carrier Tracking No(s): 380-28005-2757 1 State of Origin: | COC No: 380-28005-2757 1 Page: Page 1 of 1 Job #: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Due Date Requested: TAT Requested (days): Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No PO #: C20525101 exp 05312023 WO #: Project #: 38001111 SSOW #: | | Analysis Requested <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Perform MS/MSD (Yes or No)</th> <th>Field Filtered Sample (Yes or No)</th> <th>R</th> <th>RA</th> <th>Q</th> <th>QA</th> <th>Y</th> <th>II</th> <th>Special Instructions/Note</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">533 All Analytes</td> <td style="text-align: center;">537 1_DW_PREC 537 1 Full List</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">6015B_DRO_LL_CS - HNL Ranges C10-C24/C24-C36/C36-C8-C18</td> <td style="text-align: center;">6015B_GRO_LL (MOD) GRO</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">6051_625 1_SIM</td> <td></td> <td>2</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="9"> Total Number of Containers: _____ </td> </tr> </tbody> </table> | | Perform MS/MSD (Yes or No) | Field Filtered Sample (Yes or No) | R | RA | Q | QA | Y | II | Special Instructions/Note | 533 All Analytes | 537 1_DW_PREC 537 1 Full List | | | | | | | | 6015B_DRO_LL_CS - HNL Ranges C10-C24/C24-C36/C36-C8-C18 | 6015B_GRO_LL (MOD) GRO | | | | | | | | 6051_625 1_SIM | | 2 | | | | | | | Total Number of Containers: _____ | | | | | | | | |
| Perform MS/MSD (Yes or No) | Field Filtered Sample (Yes or No) | R | RA | Q | QA | Y | II | Special Instructions/Note | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 533 All Analytes | 537 1_DW_PREC 537 1 Full List | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6015B_DRO_LL_CS - HNL Ranges C10-C24/C24-C36/C36-C8-C18 | 6015B_GRO_LL (MOD) GRO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6051_625 1_SIM | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Number of Containers: _____ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sample Identification Sample Date: 2/18/25 Sample Time: 1000 Sample Type (C=Comp, G=grab): G Matrix (W=water, S=solid, O=wast/slud, ET=ETISSUE, A=Air): Water Preservation Code: | | Special Instructions/Note: 380-136942 COC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Halawa Shaft Viewing Pool TRIP BLANK | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: I II III IV Other (specify) _____ | | Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Empty Kit Relinquished by: _____ | | Method of Shipment: FEDEX 772182419063 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished by: _____ | | Date/Time: 2/19/25 1200 Company: _____ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished by: _____ | | Date/Time: 2/19/25 09:34 Company: EEAP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished by: _____ | | Date/Time: _____ Company: _____ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No | | Cooler Temperature(s) °C and Other Remarks: 751A 0.5-0.0-0.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



Eurofins Eaton Analytical Pomona


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

Chain of Custody Record



Environr

Loc: 380
136942

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|--|--|------------------------------|--|--|----------------------------|--|------------------------------|--|--|--|------------------------------|--|--|--|----------------------------|--|
| Client Information (Sub Contract Lab) | | Sampler: N/A | | Lab PM: Arada, Rachelle | | Carrier Tracking No(s): N/A | | COC No: 380-193209.1 | | | | | | | | |
| Client Contact: Shipping/Receiving | | Phone: N/A | | E-Mail: Rachelle.Arada@et.eurofinsus.com | | State of Origin: Hawaii | | Page: Page 1 of 1 | | | | | | | | |
| Company: Eurofins Environment Testing Southwest | | | | Accreditations Required (See note): State - Hawaii | | | | Job #: 380-136942-1 | | | | | | | | |
| Address: 2841 Dow Avenue, Suite 100, Tustin, CA, 92780 | | Due Date Requested: 3/6/2025 | | Analysis Requested | | | | | | Preservation Codes: | | | | | | |
| City: Tustin | | TAT Requested (days): N/A | | Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | 8015B_DRO_LL_CS/3510C_LL_HNL Ranges: C10-C24/C24-C36/C8-C18 | 8015B_GRO_LL/5030C (MOD) GRO | 625.1_SIM/625_Prep (MOD) Extended PAH List | 625.1/625_Prep (MOD) Tentatively Identified Compounds (Hold) | Total Number of containers | Other: N/A | | | | | |
| State, Zip: CA, 92780 | | PO #: N/A | | | | | | | | | Project #: 38001111 | | SSOW#: N/A | | Special Instructions/Note: | |
| Phone: 714-895-5494(Tel) | | WO #: N/A | | | | | | | | | Sample Type (C=comp, G=grab) | | Matrix (W=water, S=solid, O=soil/sediment, BT=Tissue, A=Air) | | Preservation Code: | |
| Email: N/A | | Project #: 38001111 | | | | | | | | | Sample Date | | Sample Time | | Sample Type | |
| Project Name: RED-HILL | | SSOW#: N/A | | | | | | | | | Sample Date | | Sample Time | | Sample Type | |
| Site: Honolulu BWS Sites | | SSOW#: N/A | | Sample Date | | Sample Time | | Sample Type | | Matrix | | | | | | |
| Sample Identification - Client ID (Lab ID) | | Sample Date | | Sample Time | | Sample Type | | Matrix | | Special Instructions/Note: | | | | | | |
| HALAWA SHAFT VIEWING POOL (380-136942-1) | | 2/18/25 | | 10:00 Hawaiian | | G | | Water | | 6 MRLs are needed. Confirm any hits >RL. | | | | | | |
| TRIP BLANK (380-136942-2) | | 2/18/25 | | 10:00 Hawaiian | | G | | Water | | 2 MRLs are needed. | | | | | | |
|  380-136942 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. | | | | | | | | | | | | | | | | |
| Possible Hazard Identification | | | | | | Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) | | | | | | | | | | |
| Unconfirmed | | | | | | <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months | | | | | | | | | | |
| Deliverable Requested: I, II, III, IV, Other (specify) | | | | Primary Deliverable Rank: 2 | | Special Instructions/QC Requirements: | | | | | | | | | | |
| Empty Kit Relinquished by: | | | | Date: | | Time: | | Method of Shipment: | | | | | | | | |
| Relinquished by: | | Date/Time: 2/22/25 10:35 | | Company: ECAO | | Received by: | | Date/Time: 2/22/25 10:35 | | Company: WP | | | | | | |
| Relinquished by: | | Date/Time: 2/22/25 11:20 | | Company: WP | | Received by: | | Date/Time: 2-22-25 11:20 | | Company: EC | | | | | | |
| Relinquished by: | | Date/Time: | | Company: | | Received by: | | Date/Time: | | Company: | | | | | | |
| Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No | | Custody Seal No.: | | Cooler Temperature(s) °C and Other Remarks: 2.2/24°C | | | | | | | | | | | | |

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Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-136942-1

SDG Number: Weekly

Login Number: 136942

List Number: 1

Creator: Ngo, Theodore

List Source: Eurofins Eaton Analytical Pomona

| Question | Answer | Comment |
|--|--------|---------|
| The coolers custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| 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"). | True | |
| CIO4 headspace requirement met (>50% for CA, >30% for other states). | True | |
| Samples do not require splitting or compositing. | True | |
| Container provided by EEA | True | |



Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-136942-1

SDG Number: Weekly

Login Number: 136942

List Number: 2

Creator: Nguyen, Jenny

List Source: Eurofins Calscience

List Creation: 02/22/25 02:15 PM

| Question | Answer | Comment |
|--|--------|-------------------------------------|
| Radioactivity wasn't checked or is </= background as measured by a survey meter. | N/A | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | 2.4 |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | False | Received project as a subcontract. |
| There are no discrepancies between the containers received and the COC. | False | Refer to Job Narrative for details. |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

