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ANALYTICAL REPORT

PREPARED FOR

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

Generated 2/5/2026 11:18:17 AM

JOB DESCRIPTION

RED-HILL
Weekly: Halawa Shaft Viewing Pool

JOB NUMBER

380-193820-1

Eurofins Pomona

Job Notes

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

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

Compliance Statement

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

Authorization



Authorized for release by
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Generated
2/5/2026 11:18:17 AM



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Definitions/Glossary

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

Job ID: 380-193820-1
SDG: Weekly: Halawa Shaft Viewing Pool

Qualifiers

GC/MS Semi VOA

| Qualifier | Qualifier Description |
|-----------|--|
| 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: 380-193820-1

Job ID: 380-193820-1

Eurofins Pomona

Job Narrative 380-193820-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 1/22/2026 9:55 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 3.1°C.

GC/MS Semi VOA

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

Gasoline Range Organics

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

Diesel Range Organics

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

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Detection Summary

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

Job ID: 380-193820-1
SDG: Weekly: Halawa Shaft Viewing Pool

Client Sample ID: HALAWA SHAFT VIEWING POOL

Lab Sample ID: 380-193820-1

No Detections.

Client Sample ID: TB: HALAWA SHAFT VIEWING POOL

Lab Sample ID: 380-193820-2

No Detections.

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This Detection Summary does not include radiochemical test results.

Client Sample Results

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

Job ID: 380-193820-1
SDG: Weekly: Halawa Shaft Viewing Pool

Client Sample ID: HALAWA SHAFT VIEWING POOL

Lab Sample ID: 380-193820-1

Date Collected: 01/20/26 09:25

Matrix: Water

Date Received: 01/22/26 09:55

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------------------|---------|-----------|--------|------|---|----------------|----------------|---------|
| 1-Methylnaphthalene | <0.097 | | 0.097 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| 2,4'-DDD | <0.097 | | 0.097 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| 2,4'-DDE | <0.097 | | 0.097 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| 2,4'-DDT | <0.097 | | 0.097 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| 2,4-Dinitrotoluene | <0.097 | | 0.097 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| 2,6-Dinitrotoluene | <0.097 | | 0.097 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| 2-Methylnaphthalene | <0.097 | | 0.097 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| 4,4'-DDD | <0.097 | | 0.097 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| 4,4'-DDE | <0.097 | | 0.097 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| 4,4'-DDT | <0.097 | | 0.097 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| Acenaphthene | <0.097 | | 0.097 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| Acenaphthylene | <0.097 | | 0.097 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| Acetochlor | <0.097 | | 0.097 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| Alachlor | <0.048 | | 0.048 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| alpha-BHC | <0.097 | | 0.097 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| alpha-Chlordane | <0.048 | | 0.048 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| Anthracene | <0.019 | | 0.019 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| Atrazine | <0.048 | | 0.048 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| Benz(a)anthracene | <0.048 | | 0.048 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| Benzo[a]pyrene | <0.019 | | 0.019 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| Benzo[b]fluoranthene | <0.019 | | 0.019 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| Benzo[g,h,i]perylene | <0.048 | | 0.048 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| Benzo[k]fluoranthene | <0.019 | | 0.019 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| beta-BHC | <0.097 | | 0.097 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| Bis(2-ethylhexyl) phthalate | <0.58 | | 0.58 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| Bromacil | <0.097 | | 0.097 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| Butachlor | <0.048 | | 0.048 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| Butylbenzylphthalate | <0.48 | | 0.48 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| Chlorobenzilate | <0.097 | | 0.097 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| Chloroneb | <0.097 | | 0.097 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| Chlorothalonil (Draconil, Bravo) | <0.097 | | 0.097 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| Chlorpyrifos | <0.048 | | 0.048 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| Chrysene | <0.019 | | 0.019 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| delta-BHC | <0.097 | | 0.097 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| Di(2-ethylhexyl)adipate | <0.58 | | 0.58 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| Dibenz(a,h)anthracene | <0.048 | | 0.048 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| Diclorvos (DDVP) | <0.048 | | 0.048 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| Dieldrin | <0.0097 | | 0.0097 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| Diethylphthalate | <0.48 | | 0.48 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| Dimethylphthalate | <0.48 | | 0.48 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| Di-n-butyl phthalate | <0.97 | | 0.97 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| Di-n-octyl phthalate | <0.097 | | 0.097 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| Endosulfan I (Alpha) | <0.097 | | 0.097 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| Endosulfan II (Beta) | <0.097 | | 0.097 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| Endosulfan sulfate | <0.097 | | 0.097 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| Endrin | <0.0097 | | 0.0097 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| Endrin aldehyde | <0.097 | | 0.097 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| EPTC | <0.097 | | 0.097 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| Fluoranthene | <0.097 | | 0.097 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |

Client Sample Results

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

Job ID: 380-193820-1
SDG: Weekly: Halawa Shaft Viewing Pool

Client Sample ID: HALAWA SHAFT VIEWING POOL

Lab Sample ID: 380-193820-1

Date Collected: 01/20/26 09:25

Matrix: Water

Date Received: 01/22/26 09:55

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 | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| gamma-Chlordane | <0.048 | | 0.048 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| Heptachlor | <0.0097 | | 0.0097 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| Heptachlor epoxide (isomer B) | <0.0097 | | 0.0097 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| Hexachlorobenzene | <0.048 | | 0.048 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| Hexachlorocyclopentadiene | <0.048 | | 0.048 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| Indeno[1,2,3-cd]pyrene | <0.048 | | 0.048 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| Isophorone | <0.097 | | 0.097 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| Lindane | <0.0097 | | 0.0097 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| Malathion | <0.097 | | 0.097 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| Methoxychlor | <0.048 | | 0.048 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| Metolachlor | <0.048 | | 0.048 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| Molinate | <0.097 | | 0.097 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| Naphthalene | <0.097 | | 0.097 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| Parathion | <0.097 | | 0.097 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| Pendimethalin (Penoxaline) | <0.097 | | 0.097 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| Phenanthrene | <0.039 | | 0.039 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| Propachlor | <0.048 | | 0.048 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| Pyrene | <0.048 | | 0.048 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| Simazine | <0.048 | | 0.048 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| Terbacil | <0.097 | | 0.097 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| Terbutylazine | <0.097 | | 0.097 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| Thiobencarb | <0.097 | | 0.097 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| Total Permethrin (mixed isomers) | <0.19 | | 0.19 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| trans-Nonachlor | <0.048 | | 0.048 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| Trifluralin | <0.097 | | 0.097 | ug/L | | 01/26/26 07:48 | 01/27/26 13:53 | 1 |

| Tentatively Identified Compound | Est. Result | Qualifier | Unit | D | RT | CAS No. | Prepared | Analyzed | Dil Fac |
|---------------------------------|-------------|-----------|------|---|------|---------|----------------|----------------|---------|
| Caffeine | 0.058 | | ug/L | | 5.95 | 58-08-2 | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| Tentatively Identified Compound | None | | ug/L | | | N/A | 01/26/26 07:48 | 01/27/26 13:53 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|--------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2-Nitro-m-xylene | 98 | | 70 - 130 | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| Perylene-d12 | 94 | | 70 - 130 | 01/26/26 07:48 | 01/27/26 13:53 | 1 |
| Triphenylphosphate | 106 | | 70 - 130 | 01/26/26 07:48 | 01/27/26 13:53 | 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 | | 01/24/26 09:00 | 02/03/26 16:03 | 1 |
| 2-Methylnaphthalene | <0.19 | | 0.19 | ug/L | | 01/24/26 09:00 | 02/03/26 16:03 | 1 |
| Acenaphthene | <0.19 | | 0.19 | ug/L | | 01/24/26 09:00 | 02/03/26 16:03 | 1 |
| Acenaphthylene | <0.19 | | 0.19 | ug/L | | 01/24/26 09:00 | 02/03/26 16:03 | 1 |
| Anthracene | <0.19 | | 0.19 | ug/L | | 01/24/26 09:00 | 02/03/26 16:03 | 1 |
| Benzo[a]anthracene | <0.19 | | 0.19 | ug/L | | 01/24/26 09:00 | 02/03/26 16:03 | 1 |
| Benzo[a]pyrene | <0.19 | | 0.19 | ug/L | | 01/24/26 09:00 | 02/03/26 16:03 | 1 |
| Benzo[b]fluoranthene | <0.19 | | 0.19 | ug/L | | 01/24/26 09:00 | 02/03/26 16:03 | 1 |
| Benzo[g,h,i]perylene | <0.19 | | 0.19 | ug/L | | 01/24/26 09:00 | 02/03/26 16:03 | 1 |
| Benzo[k]fluoranthene | <0.19 | | 0.19 | ug/L | | 01/24/26 09:00 | 02/03/26 16:03 | 1 |
| Chrysene | <0.19 | | 0.19 | ug/L | | 01/24/26 09:00 | 02/03/26 16:03 | 1 |
| Dibenz(a,h)anthracene | <0.19 | | 0.19 | ug/L | | 01/24/26 09:00 | 02/03/26 16:03 | 1 |

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Client Sample Results

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

Job ID: 380-193820-1
SDG: Weekly: Halawa Shaft Viewing Pool

Client Sample ID: HALAWA SHAFT VIEWING POOL

Lab Sample ID: 380-193820-1

Date Collected: 01/20/26 09:25

Matrix: Water

Date Received: 01/22/26 09:55

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------|-----------|------|------|---|----------------|----------------|---------|
| Fluoranthene | <0.19 | | 0.19 | ug/L | | 01/24/26 09:00 | 02/03/26 16:03 | 1 |
| Fluorene | <0.19 | | 0.19 | ug/L | | 01/24/26 09:00 | 02/03/26 16:03 | 1 |
| Indeno[1,2,3-cd]pyrene | <0.19 | | 0.19 | ug/L | | 01/24/26 09:00 | 02/03/26 16:03 | 1 |
| Naphthalene | <0.19 | | 0.19 | ug/L | | 01/24/26 09:00 | 02/03/26 16:03 | 1 |
| Phenanthrene | <0.19 | | 0.19 | ug/L | | 01/24/26 09:00 | 02/03/26 16:03 | 1 |
| Pyrene | <0.19 | | 0.19 | ug/L | | 01/24/26 09:00 | 02/03/26 16:03 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol (Surr) | 73 | | 28 - 127 | 01/24/26 09:00 | 02/03/26 16:03 | 1 |
| 2-Fluorobiphenyl (Surr) | 69 | | 31 - 120 | 01/24/26 09:00 | 02/03/26 16:03 | 1 |
| 2-Fluorophenol (Surr) | 46 | | 17 - 120 | 01/24/26 09:00 | 02/03/26 16:03 | 1 |
| Nitrobenzene-d5 (Surr) | 70 | | 27 - 120 | 01/24/26 09:00 | 02/03/26 16:03 | 1 |
| Phenol-d6 (Surr) | 29 | | 10 - 120 | 01/24/26 09:00 | 02/03/26 16:03 | 1 |
| p-Terphenyl-d14 (Surr) | 88 | | 45 - 120 | 01/24/26 09:00 | 02/03/26 16:03 | 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 |
|---------------------------------|-------------|-----------|------|---|------|------------|----------------|----------------|---------|
| Cyclic octaatomic sulfur | 6.8 | T J N | ug/L | | 9.83 | 10544-50-0 | 01/24/26 09:00 | 02/04/26 15:26 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol (Surr) | 56 | | 33 - 139 | 01/24/26 09:00 | 02/04/26 15:26 | 1 |
| 2-Fluorobiphenyl (Surr) | 67 | | 33 - 126 | 01/24/26 09:00 | 02/04/26 15:26 | 1 |
| 2-Fluorophenol (Surr) | 54 | | 12 - 120 | 01/24/26 09:00 | 02/04/26 15:26 | 1 |
| Nitrobenzene-d5 (Surr) | 57 | | 36 - 120 | 01/24/26 09:00 | 02/04/26 15:26 | 1 |
| Phenol-d6 (Surr) | 27 | | 10 - 120 | 01/24/26 09:00 | 02/04/26 15:26 | 1 |
| p-Terphenyl-d14 (Surr) | 79 | | 47 - 131 | 01/24/26 09:00 | 02/04/26 15:26 | 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 | | | 01/27/26 18:33 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 95 | | 38 - 134 | | 01/27/26 18:33 | 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 | | 01/25/26 10:38 | 01/28/26 17:57 | 1 |
| Motor Oil Range Organics [C24-C36] | <25 | | 25 | ug/L | | 01/25/26 10:38 | 01/28/26 17:57 | 1 |
| C8-C18 | <25 | | 25 | ug/L | | 01/25/26 10:38 | 01/28/26 17:57 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|---------------------|-----------|-----------|----------|----------------|----------------|---------|
| n-Octacosane (Surr) | 119 | | 60 - 130 | 01/25/26 10:38 | 01/28/26 17:57 | 1 |

Client Sample ID: TB: HALAWA SHAFT VIEWING POOL

Lab Sample ID: 380-193820-2

Date Collected: 01/20/26 09:25

Matrix: Water

Date Received: 01/22/26 09:55

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 | | | 01/27/26 23:58 | 1 |

Client Sample Results

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

Job ID: 380-193820-1
SDG: Weekly: Halawa Shaft Viewing Pool

Client Sample ID: TB: HALAWA SHAFT VIEWING POOL

Lab Sample ID: 380-193820-2

Date Collected: 01/20/26 09:25

Matrix: Water

Date Received: 01/22/26 09:55

| <u>Surrogate</u> | <u>%Recovery</u> | <u>Qualifier</u> | <u>Limits</u> | <u>Prepared</u> | <u>Analyzed</u> | <u>Dil Fac</u> |
|-----------------------------|------------------|------------------|---------------|-----------------|-----------------|----------------|
| 4-Bromofluorobenzene (Surr) | 94 | | 38 - 134 | | 01/27/26 23:58 | 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: 380-193820-1
SDG: Weekly: Halawa Shaft Viewing Pool

Client Sample ID: HALAWA SHAFT VIEWING POOL

Lab Sample ID: 380-193820-1

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 | | Method | Prep Type |
|-------------------------------|---------|-----------|------|--------|--------|-----------|-----------|
| | | | | Limit | RL | | |
| 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 | <0.0097 | | ug/L | 2 | 0.0097 | 525.2 | Total/NA |
| Heptachlor | <0.0097 | | ug/L | 0.4 | 0.0097 | 525.2 | Total/NA |
| Heptachlor epoxide (isomer B) | <0.0097 | | ug/L | 0.2 | 0.0097 | 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 | <0.0097 | | ug/L | 0.2 | 0.0097 | 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: 380-193820-1
SDG: Weekly: Halawa Shaft Viewing Pool

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) |
| 380-193820-1 | HALAWA SHAFT VIEWING POOL | 98 | 94 | 106 |
| 380-193902-B-1-A MS | Matrix Spike | 96 | 99 | 105 |
| 380-193911-B-1-A DU | Duplicate | 96 | 89 | 105 |
| LCS 380-200931/23-A | Lab Control Sample | 98 | 100 | 109 |
| MB 380-200931/21-A | Method Blank | 97 | 87 | 105 |
| MRL 380-200931/22-A | Lab Control Sample | 97 | 91 | 104 |

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) |
| 380-193820-1 | HALAWA SHAFT VIEWING POOL | 56 | 67 | 54 | 57 | 27 | 79 |

Surrogate Legend

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

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

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) | | | | | |
|----------------------|---------------------------|--|-----------------|-----------------|-----------------|------------------|--------------------|
| | | TBP (28-127) | FBP (31-120) | 2FP (17-120) | NBZ (27-120) | PHL6 (10-120) | TPHd14 (45-120) |
| 380-193820-1 | HALAWA SHAFT VIEWING POOL | 73 | 69 | 46 | 70 | 29 | 88 |
| 570-264273-D-1-A MS | Matrix Spike | 102 | 91 | 68 | 101 | 44 | 93 |
| 570-264273-F-1-A MSD | Matrix Spike Duplicate | 85 | 77 | 60 | 85 | 39 | 79 |
| LCS 570-686409/2-A | Lab Control Sample | 105 | 88 | 69 | 96 | 44 | 99 |
| LCSD 570-686409/3-A | Lab Control Sample Dup | 95 | 80 | 58 | 82 | 38 | 91 |
| MB 570-686409/1-A | Method Blank | 97 | 87 | 59 | 89 | 37 | 82 |

Surrogate Legend

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

Surrogate Summary

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

Job ID: 380-193820-1
 SDG: Weekly: Halawa Shaft Viewing Pool

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) |
|--------------------|----------------------------------|------------------|
| 380-193582-X-1 MS | Matrix Spike | 97 |
| 380-193582-Y-1 MSD | Matrix Spike Duplicate | 92 |
| 380-193820-1 | HALAWA SHAFT VIEWING POOL | 95 |
| 380-193820-2 | TB: HALAWA SHAFT VIEWING POOL | 94 |
| LCS 570-687650/3 | Lab Control Sample | 86 |
| LCSD 570-687650/4 | Lab Control Sample Dup | 93 |
| MB 570-687650/5 | Method Blank | 85 |
| MRL 570-687650/6 | Lab Control Sample | 86 |

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) |
|----------------------|---------------------------|--------------------|
| 380-193820-1 | HALAWA SHAFT VIEWING POOL | 119 |
| 380-194233-C-1-A MS | Matrix Spike | 120 |
| 380-194233-D-1-A MSD | Matrix Spike Duplicate | 115 |
| LCS 570-686737/2-A | Lab Control Sample | 92 |
| LCSD 570-686737/3-A | Lab Control Sample Dup | 102 |
| MB 570-686737/1-A | Method Blank | 117 |
| MRL 570-686737/4-A | Lab Control Sample | 121 |

Surrogate Legend

OTCSN = n-Octacosane (Surr)

QC Sample Results

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

Job ID: 380-193820-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: MB 380-200931/21-A
Matrix: Water
Analysis Batch: 201255

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 200931

| Analyte | MB | MB | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------------------|---------|-----------|--------|------|---|----------------|----------------|---------|
| | Result | Qualifier | | | | | | |
| 1-Methylnaphthalene | <0.099 | | 0.099 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| 2,4'-DDD | <0.099 | | 0.099 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| 2,4'-DDE | <0.099 | | 0.099 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| 2,4'-DDT | <0.099 | | 0.099 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| 2,4-Dinitrotoluene | <0.099 | | 0.099 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| 2,6-Dinitrotoluene | <0.099 | | 0.099 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| 2-Methylnaphthalene | <0.099 | | 0.099 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| 4,4'-DDD | <0.099 | | 0.099 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| 4,4'-DDE | <0.099 | | 0.099 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| 4,4'-DDT | <0.099 | | 0.099 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| Acenaphthene | <0.099 | | 0.099 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| Acenaphthylene | <0.099 | | 0.099 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| Acetochlor | <0.099 | | 0.099 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| Alachlor | <0.050 | | 0.050 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| alpha-BHC | <0.099 | | 0.099 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| alpha-Chlordane | <0.050 | | 0.050 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| Anthracene | <0.020 | | 0.020 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| Atrazine | <0.050 | | 0.050 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| Benz(a)anthracene | <0.050 | | 0.050 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| Benzo[a]pyrene | <0.020 | | 0.020 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| Benzo[b]fluoranthene | <0.020 | | 0.020 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| Benzo[g,h,i]perylene | <0.050 | | 0.050 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| Benzo[k]fluoranthene | <0.020 | | 0.020 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| beta-BHC | <0.099 | | 0.099 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| Bis(2-ethylhexyl) phthalate | <0.60 | | 0.60 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| Bromacil | <0.099 | | 0.099 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| Butachlor | <0.050 | | 0.050 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| Butylbenzylphthalate | <0.50 | | 0.50 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| Chlorobenzilate | <0.099 | | 0.099 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| Chloroneb | <0.099 | | 0.099 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| Chlorothalonil (Draconil, Bravo) | <0.099 | | 0.099 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| Chlorpyrifos | <0.050 | | 0.050 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| Chrysene | <0.020 | | 0.020 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| delta-BHC | <0.099 | | 0.099 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| Di(2-ethylhexyl)adipate | <0.60 | | 0.60 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| Dibenz(a,h)anthracene | <0.050 | | 0.050 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| Diclorvos (DDVP) | <0.050 | | 0.050 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| Dieldrin | <0.0099 | | 0.0099 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| Diethylphthalate | <0.50 | | 0.50 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| Dimethylphthalate | <0.50 | | 0.50 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| Di-n-butyl phthalate | <0.99 | | 0.99 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| Di-n-octyl phthalate | <0.099 | | 0.099 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| Endosulfan I (Alpha) | <0.099 | | 0.099 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| Endosulfan II (Beta) | <0.099 | | 0.099 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| Endosulfan sulfate | <0.099 | | 0.099 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| Endrin | <0.0099 | | 0.0099 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| Endrin aldehyde | <0.099 | | 0.099 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| EPTC | <0.099 | | 0.099 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |

QC Sample Results

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

Job ID: 380-193820-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: MB 380-200931/21-A
Matrix: Water
Analysis Batch: 201255

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 200931

| Analyte | MB | MB | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------------------------------|---------|-----------|--------|------|---|----------------|----------------|---------|
| | Result | Qualifier | | | | | | |
| Fluoranthene | <0.099 | | 0.099 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| Fluorene | <0.050 | | 0.050 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| gamma-Chlordane | <0.050 | | 0.050 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| Heptachlor | <0.0099 | | 0.0099 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| Heptachlor epoxide (isomer B) | <0.0099 | | 0.0099 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| Hexachlorobenzene | <0.050 | | 0.050 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| Hexachlorocyclopentadiene | <0.050 | | 0.050 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| Indeno[1,2,3-cd]pyrene | <0.050 | | 0.050 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| Isophorone | <0.099 | | 0.099 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| Lindane | <0.0099 | | 0.0099 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| Malathion | <0.099 | | 0.099 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| Methoxychlor | <0.050 | | 0.050 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| Metolachlor | <0.050 | | 0.050 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| Molinate | <0.099 | | 0.099 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| Naphthalene | <0.099 | | 0.099 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| Parathion | <0.099 | | 0.099 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| Pendimethalin (Penoxaline) | <0.099 | | 0.099 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| Phenanthrene | <0.040 | | 0.040 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| Propachlor | <0.050 | | 0.050 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| Pyrene | <0.050 | | 0.050 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| Simazine | <0.050 | | 0.050 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| Terbacil | <0.099 | | 0.099 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| Terbutylazine | <0.099 | | 0.099 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| Thiobencarb | <0.099 | | 0.099 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| Total Permethrin (mixed isomers) | <0.20 | | 0.20 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| trans-Nonachlor | <0.050 | | 0.050 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| Trifluralin | <0.099 | | 0.099 | ug/L | | 01/26/26 07:48 | 01/27/26 10:38 | 1 |

| Tentatively Identified Compound | MB | MB | Unit | D | RT | CAS No. | Prepared | Analyzed | Dil Fac |
|--------------------------------------|-------------|-----------|------|---|-------|--------------|----------------|----------------|---------|
| | Est. Result | Qualifier | | | | | | | |
| Cyclopentene, 1,2,3,4,5-pentamethyl- | 0.820 | T J N | ug/L | | 2.52 | 1000154-28-6 | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| Cyclotetrasiloxane, octamethyl- | 0.811 | T J N | ug/L | | 2.70 | 556-67-2 | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| Undecane | 2.87 | T J N | ug/L | | 3.10 | 1120-21-4 | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| Cyclopentasiloxane, decamethyl- | 0.988 | T J N | ug/L | | 3.23 | 541-02-6 | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| Unknown | 0.933 | T J | ug/L | | 3.85 | N/A | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| 9-Octadecenamamide, (Z)- | 0.852 | T J N | ug/L | | 7.86 | 301-02-0 | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| Octadecane, 1-iodo- | 0.532 | T J N | ug/L | | 14.96 | 629-93-6 | 01/26/26 07:48 | 01/27/26 10:38 | 1 |

| Surrogate | MB | MB | Limits | Prepared | Analyzed | Dil Fac |
|--------------------|-----------|-----------|----------|----------------|----------------|---------|
| | %Recovery | Qualifier | | | | |
| 2-Nitro-m-xylene | 97 | | 70 - 130 | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| Perylene-d12 | 87 | | 70 - 130 | 01/26/26 07:48 | 01/27/26 10:38 | 1 |
| Triphenylphosphate | 105 | | 70 - 130 | 01/26/26 07:48 | 01/27/26 10:38 | 1 |

QC Sample Results

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

Job ID: 380-193820-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: LCS 380-200931/23-A
Matrix: Water
Analysis Batch: 201255

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 200931

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|----------------------------------|-------------|------------|---------------|------|---|------|-------------|
| | | | | | | | |
| 1-Methylnaphthalene | 1.98 | 1.91 | | ug/L | | 96 | 70 - 130 |
| 2,4'-DDD | 1.98 | 2.19 | | ug/L | | 110 | 70 - 130 |
| 2,4'-DDE | 1.98 | 2.24 | | ug/L | | 113 | 70 - 130 |
| 2,4'-DDT | 1.98 | 2.04 | | ug/L | | 103 | 70 - 130 |
| 2,4-Dinitrotoluene | 1.98 | 2.13 | | ug/L | | 107 | 70 - 130 |
| 2,6-Dinitrotoluene | 1.98 | 2.00 | | ug/L | | 101 | 70 - 130 |
| 2-Methylnaphthalene | 1.98 | 1.98 | | ug/L | | 100 | 70 - 130 |
| 4,4'-DDD | 1.98 | 2.08 | | ug/L | | 105 | 70 - 130 |
| 4,4'-DDE | 1.98 | 2.27 | | ug/L | | 115 | 70 - 130 |
| 4,4'-DDT | 1.98 | 2.08 | | ug/L | | 105 | 70 - 130 |
| Acenaphthene | 1.98 | 2.04 | | ug/L | | 103 | 70 - 130 |
| Acenaphthylene | 1.98 | 2.16 | | ug/L | | 109 | 70 - 130 |
| Acetochlor | 1.98 | 2.22 | | ug/L | | 112 | 70 - 130 |
| Alachlor | 1.98 | 2.26 | | ug/L | | 114 | 70 - 130 |
| alpha-BHC | 1.98 | 2.09 | | ug/L | | 105 | 70 - 130 |
| alpha-Chlordane | 1.98 | 2.02 | | ug/L | | 102 | 70 - 130 |
| Anthracene | 1.98 | 1.95 | | ug/L | | 98 | 70 - 130 |
| Atrazine | 1.98 | 2.31 | | ug/L | | 116 | 70 - 130 |
| Benz(a)anthracene | 1.98 | 2.17 | | ug/L | | 109 | 70 - 130 |
| Benzo[a]pyrene | 1.98 | 2.32 | | ug/L | | 117 | 70 - 130 |
| Benzo[b]fluoranthene | 1.98 | 2.16 | | ug/L | | 109 | 70 - 130 |
| Benzo[g,h,i]perylene | 1.98 | 2.03 | | ug/L | | 103 | 70 - 130 |
| Benzo[k]fluoranthene | 1.98 | 2.09 | | ug/L | | 105 | 70 - 130 |
| beta-BHC | 1.98 | 2.09 | | ug/L | | 105 | 70 - 130 |
| Bis(2-ethylhexyl) phthalate | 1.98 | 2.22 | | ug/L | | 112 | 70 - 130 |
| Bromacil | 1.98 | 1.93 | | ug/L | | 97 | 70 - 130 |
| Butachlor | 1.98 | 2.19 | | ug/L | | 110 | 70 - 130 |
| Butylbenzylphthalate | 1.98 | 2.25 | | ug/L | | 113 | 70 - 130 |
| Chlorobenzilate | 1.98 | 2.13 | | ug/L | | 108 | 70 - 130 |
| Chloroneb | 1.98 | 2.12 | | ug/L | | 107 | 70 - 130 |
| Chlorothalonil (Draconil, Bravo) | 1.98 | 2.09 | | ug/L | | 105 | 70 - 130 |
| Chlorpyrifos | 1.98 | 2.22 | | ug/L | | 112 | 70 - 130 |
| Chrysene | 1.98 | 2.00 | | ug/L | | 101 | 70 - 130 |
| delta-BHC | 1.98 | 2.03 | | ug/L | | 102 | 70 - 130 |
| Di(2-ethylhexyl)adipate | 1.98 | 2.37 | | ug/L | | 120 | 70 - 130 |
| Dibenz(a,h)anthracene | 1.98 | 2.15 | | ug/L | | 109 | 70 - 130 |
| Diclorvos (DDVP) | 1.98 | 2.21 | | ug/L | | 111 | 70 - 130 |
| Dieldrin | 1.98 | 2.12 | | ug/L | | 107 | 70 - 130 |
| Diethylphthalate | 1.98 | 2.22 | | ug/L | | 112 | 70 - 130 |
| Dimethylphthalate | 1.98 | 2.17 | | ug/L | | 109 | 70 - 130 |
| Di-n-butyl phthalate | 3.97 | 4.48 | | ug/L | | 113 | 70 - 130 |
| Di-n-octyl phthalate | 1.98 | 2.23 | | ug/L | | 112 | 70 - 130 |
| Endosulfan I (Alpha) | 1.98 | 2.02 | | ug/L | | 102 | 70 - 130 |
| Endosulfan II (Beta) | 1.98 | 2.10 | | ug/L | | 106 | 70 - 130 |
| Endosulfan sulfate | 1.98 | 2.03 | | ug/L | | 102 | 70 - 130 |
| Endrin | 1.98 | 2.28 | | ug/L | | 115 | 70 - 130 |
| Endrin aldehyde | 1.98 | 1.88 | | ug/L | | 95 | 60 - 130 |
| EPTC | 1.98 | 2.14 | | ug/L | | 108 | 70 - 130 |

QC Sample Results

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

Job ID: 380-193820-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: LCS 380-200931/23-A

Matrix: Water

Analysis Batch: 201255

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 200931

| Analyte | Spike Added | LCS | LCS | Unit | D | %Rec | %Rec Limits |
|-------------------------------|-------------|--------|-----------|------|---|------|-------------|
| | | Result | Qualifier | | | | |
| Fluoranthene | 1.98 | 2.15 | | ug/L | | 108 | 70 - 130 |
| Fluorene | 1.98 | 2.10 | | ug/L | | 106 | 70 - 130 |
| gamma-Chlordane | 1.98 | 2.02 | | ug/L | | 102 | 70 - 130 |
| Heptachlor | 1.98 | 2.22 | | ug/L | | 112 | 70 - 130 |
| Heptachlor epoxide (isomer B) | 1.98 | 2.12 | | ug/L | | 107 | 70 - 130 |
| Hexachlorobenzene | 1.98 | 2.02 | | ug/L | | 102 | 70 - 130 |
| Hexachlorocyclopentadiene | 1.98 | 2.01 | | ug/L | | 101 | 70 - 130 |
| Indeno[1,2,3-cd]pyrene | 1.98 | 2.13 | | ug/L | | 107 | 70 - 130 |
| Isophorone | 1.98 | 2.05 | | ug/L | | 104 | 70 - 130 |
| Lindane | 1.98 | 2.12 | | ug/L | | 107 | 70 - 130 |
| Malathion | 1.98 | 2.12 | | ug/L | | 107 | 70 - 130 |
| Methoxychlor | 1.98 | 2.08 | | ug/L | | 105 | 70 - 130 |
| Metolachlor | 1.98 | 2.15 | | ug/L | | 108 | 70 - 130 |
| Molinate | 1.98 | 2.16 | | ug/L | | 109 | 70 - 130 |
| Naphthalene | 1.98 | 1.89 | | ug/L | | 95 | 70 - 130 |
| Parathion | 1.98 | 2.16 | | ug/L | | 109 | 70 - 130 |
| Pendimethalin (Penoxaline) | 1.98 | 2.04 | | ug/L | | 103 | 70 - 130 |
| Phenanthrene | 1.98 | 1.84 | | ug/L | | 93 | 70 - 130 |
| Propachlor | 1.98 | 2.28 | | ug/L | | 115 | 70 - 130 |
| Pyrene | 1.98 | 2.16 | | ug/L | | 109 | 70 - 130 |
| Simazine | 1.98 | 2.34 | | ug/L | | 118 | 70 - 130 |
| Terbacil | 1.98 | 2.01 | | ug/L | | 101 | 70 - 130 |
| Terbutylazine | 1.98 | 2.41 | | ug/L | | 121 | 70 - 130 |
| Thiobencarb | 1.98 | 2.29 | | ug/L | | 115 | 70 - 130 |
| trans-Nonachlor | 1.98 | 2.00 | | ug/L | | 101 | 70 - 130 |
| Trifluralin | 1.98 | 2.04 | | ug/L | | 103 | 70 - 130 |

| Surrogate | LCS LCS | | Limits |
|--------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| 2-Nitro-m-xylene | 98 | | 70 - 130 |
| Perylene-d12 | 100 | | 70 - 130 |
| Triphenylphosphate | 109 | | 70 - 130 |

Lab Sample ID: MRL 380-200931/22-A

Matrix: Water

Analysis Batch: 201255

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 200931

| Analyte | Spike Added | MRL | MRL | Unit | D | %Rec | %Rec Limits |
|---------------------|-------------|--------|-----------|------|---|------|-------------|
| | | Result | Qualifier | | | | |
| 1-Methylnaphthalene | 0.0990 | 0.110 | | ug/L | | 112 | 50 - 150 |
| 2,4'-DDD | 0.0990 | 0.0902 | J | ug/L | | 91 | 50 - 150 |
| 2,4'-DDE | 0.0990 | 0.107 | | ug/L | | 108 | 50 - 150 |
| 2,4'-DDT | 0.0990 | 0.109 | | ug/L | | 110 | 50 - 150 |
| 2,4-Dinitrotoluene | 0.0990 | 0.110 | | ug/L | | 111 | 50 - 150 |
| 2,6-Dinitrotoluene | 0.0990 | 0.139 | | ug/L | | 140 | 50 - 150 |
| 2-Methylnaphthalene | 0.0990 | 0.106 | | ug/L | | 107 | 50 - 150 |
| 4,4'-DDD | 0.0990 | 0.114 | | ug/L | | 116 | 50 - 150 |
| 4,4'-DDE | 0.0990 | 0.0994 | | ug/L | | 100 | 50 - 150 |
| 4,4'-DDT | 0.0990 | 0.116 | | ug/L | | 117 | 50 - 150 |
| Acenaphthene | 0.0990 | 0.0903 | J | ug/L | | 91 | 50 - 150 |

Eurofins Pomona

QC Sample Results

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

Job ID: 380-193820-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: MRL 380-200931/22-A

Matrix: Water

Analysis Batch: 201255

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 200931

| Analyte | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec Limits |
|----------------------------------|----------------|---------------|------------------|------|---|------|----------------|
| Acenaphthylene | 0.0990 | 0.0995 | | ug/L | | 101 | 50 - 150 |
| Acetochlor | 0.0990 | 0.115 | | ug/L | | 116 | 50 - 150 |
| Alachlor | 0.0495 | 0.0540 | | ug/L | | 109 | 50 - 150 |
| alpha-BHC | 0.0990 | 0.106 | | ug/L | | 107 | 50 - 150 |
| alpha-Chlordane | 0.0248 | <0.029 | | ug/L | | 108 | 50 - 150 |
| Anthracene | 0.0198 | 0.0227 | | ug/L | | 115 | 50 - 150 |
| Atrazine | 0.0495 | 0.0519 | | ug/L | | 105 | 50 - 150 |
| Benz(a)anthracene | 0.0495 | 0.0525 | | ug/L | | 106 | 50 - 150 |
| Benzo[a]pyrene | 0.0198 | 0.0253 | | ug/L | | 128 | 50 - 150 |
| Benzo[b]fluoranthene | 0.0198 | 0.0250 | | ug/L | | 126 | 50 - 150 |
| Benzo[g,h,i]perylene | 0.0495 | 0.0519 | | ug/L | | 105 | 50 - 150 |
| Benzo[k]fluoranthene | 0.0198 | 0.0254 | | ug/L | | 128 | 50 - 150 |
| beta-BHC | 0.0990 | 0.114 | | ug/L | | 115 | 50 - 150 |
| Bis(2-ethylhexyl) phthalate | 0.594 | 0.667 | | ug/L | | 112 | 50 - 150 |
| Bromacil | 0.0990 | 0.115 | | ug/L | | 116 | 50 - 150 |
| Butachlor | 0.0495 | 0.0666 | | ug/L | | 135 | 50 - 150 |
| Butylbenzylphthalate | 0.495 | 0.589 | | ug/L | | 119 | 50 - 150 |
| Chlorobenzilate | 0.0990 | 0.113 | | ug/L | | 114 | 50 - 150 |
| Chloroneb | 0.0990 | 0.113 | | ug/L | | 114 | 50 - 150 |
| Chlorothalonil (Draconil, Bravo) | 0.0990 | 0.102 | | ug/L | | 103 | 50 - 150 |
| Chlorpyrifos | 0.0495 | 0.0588 | | ug/L | | 119 | 50 - 150 |
| Chrysene | 0.0198 | 0.0220 | | ug/L | | 111 | 50 - 150 |
| delta-BHC | 0.0990 | 0.0962 | J | ug/L | | 97 | 50 - 150 |
| Di(2-ethylhexyl)adipate | 0.594 | 0.703 | | ug/L | | 118 | 50 - 150 |
| Dibenz(a,h)anthracene | 0.0495 | 0.0485 | J | ug/L | | 98 | 50 - 150 |
| Diclorvos (DDVP) | 0.0495 | 0.0580 | | ug/L | | 117 | 50 - 150 |
| Dieldrin | 0.00990 | 0.0111 | | ug/L | | 112 | 50 - 150 |
| Diethylphthalate | 0.495 | 0.539 | | ug/L | | 109 | 50 - 150 |
| Dimethylphthalate | 0.495 | 0.533 | | ug/L | | 108 | 50 - 150 |
| Di-n-butyl phthalate | 0.495 | 0.607 | J | ug/L | | 123 | 49 - 243 |
| Di-n-octyl phthalate | 0.0990 | 0.115 | | ug/L | | 117 | 50 - 150 |
| Endosulfan I (Alpha) | 0.0990 | 0.0912 | J | ug/L | | 92 | 50 - 150 |
| Endosulfan II (Beta) | 0.0990 | 0.0979 | J | ug/L | | 99 | 50 - 150 |
| Endosulfan sulfate | 0.0990 | 0.115 | | ug/L | | 116 | 50 - 150 |
| Endrin | 0.00990 | 0.00953 | J | ug/L | | 96 | 50 - 150 |
| Endrin aldehyde | 0.0990 | 0.111 | | ug/L | | 112 | 50 - 150 |
| EPTC | 0.0990 | 0.102 | | ug/L | | 103 | 50 - 150 |
| Fluoranthene | 0.0990 | 0.0993 | | ug/L | | 100 | 50 - 150 |
| Fluorene | 0.0495 | 0.0514 | | ug/L | | 104 | 50 - 150 |
| gamma-Chlordane | 0.0248 | 0.0262 | J | ug/L | | 106 | 50 - 150 |
| Heptachlor | 0.00990 | 0.0103 | | ug/L | | 104 | 50 - 150 |
| Heptachlor epoxide (isomer B) | 0.00990 | 0.0115 | | ug/L | | 116 | 50 - 150 |
| Hexachlorobenzene | 0.0495 | 0.0490 | J | ug/L | | 99 | 50 - 150 |
| Hexachlorocyclopentadiene | 0.0495 | 0.0551 | | ug/L | | 111 | 50 - 150 |
| Indeno[1,2,3-cd]pyrene | 0.0495 | 0.0561 | | ug/L | | 113 | 50 - 150 |
| Isophorone | 0.0990 | 0.118 | | ug/L | | 120 | 50 - 150 |
| Lindane | 0.00990 | 0.0114 | | ug/L | | 116 | 50 - 150 |
| Malathion | 0.0990 | 0.113 | | ug/L | | 114 | 50 - 150 |
| Methoxychlor | 0.0495 | 0.0705 | | ug/L | | 142 | 50 - 150 |

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QC Sample Results

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

Job ID: 380-193820-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: MRL 380-200931/22-A
Matrix: Water
Analysis Batch: 201255

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 200931

| Analyte | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec Limits |
|----------------------------|-------------|------------|---------------|------|---|------|-------------|
| | | | | | | | |
| Metolachlor | 0.0495 | 0.0609 | | ug/L | | 123 | 50 - 150 |
| Molinate | 0.0990 | 0.110 | | ug/L | | 111 | 50 - 150 |
| Naphthalene | 0.0990 | 0.122 | | ug/L | | 123 | 50 - 150 |
| Parathion | 0.0990 | 0.106 | | ug/L | | 107 | 50 - 150 |
| Pendimethalin (Penoxaline) | 0.0990 | 0.108 | | ug/L | | 109 | 50 - 150 |
| Phenanthrene | 0.0396 | 0.0401 | | ug/L | | 101 | 50 - 150 |
| Propachlor | 0.0495 | 0.0571 | | ug/L | | 115 | 50 - 150 |
| Pyrene | 0.0495 | 0.0506 | | ug/L | | 102 | 50 - 150 |
| Simazine | 0.0495 | 0.0471 | J | ug/L | | 95 | 50 - 150 |
| Terbacil | 0.0990 | 0.107 | | ug/L | | 108 | 50 - 150 |
| Terbutylazine | 0.0990 | 0.112 | | ug/L | | 113 | 50 - 150 |
| Thiobencarb | 0.0990 | 0.113 | | ug/L | | 114 | 50 - 150 |
| trans-Nonachlor | 0.0248 | 0.0302 | J | ug/L | | 122 | 50 - 150 |
| Trifluralin | 0.0990 | 0.111 | | ug/L | | 112 | 50 - 150 |

| Surrogate | MRL | | Limits |
|--------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| 2-Nitro-m-xylene | 97 | | 70 - 130 |
| Perylene-d 12 | 91 | | 70 - 130 |
| Triphenylphosphate | 104 | | 70 - 130 |

Lab Sample ID: 380-193902-B-1-A MS
Matrix: Water
Analysis Batch: 201255

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 200931

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS | | Unit | D | %Rec | %Rec Limits |
|----------------------|---------------|------------------|-------------|--------|-----------|------|---|------|-------------|
| | | | | Result | Qualifier | | | | |
| 1-Methylnaphthalene | <0.096 | | 1.93 | 1.84 | | ug/L | | 95 | 70 - 130 |
| 2,4'-DDD | <0.096 | | 1.93 | 2.07 | | ug/L | | 107 | 70 - 130 |
| 2,4'-DDE | <0.096 | | 1.93 | 2.12 | | ug/L | | 110 | 70 - 130 |
| 2,4'-DDT | <0.096 | | 1.93 | 1.92 | | ug/L | | 100 | 70 - 130 |
| 2,4-Dinitrotoluene | <0.096 | | 1.93 | 2.12 | | ug/L | | 110 | 70 - 130 |
| 2,6-Dinitrotoluene | <0.096 | | 1.93 | 2.00 | | ug/L | | 103 | 70 - 130 |
| 2-Methylnaphthalene | <0.096 | | 1.93 | 1.89 | | ug/L | | 98 | 70 - 130 |
| 4,4'-DDD | <0.096 | | 1.93 | 1.97 | | ug/L | | 102 | 70 - 130 |
| 4,4'-DDE | <0.096 | | 1.93 | 2.09 | | ug/L | | 108 | 70 - 130 |
| 4,4'-DDT | <0.096 | | 1.93 | 1.95 | | ug/L | | 101 | 70 - 130 |
| Acenaphthene | <0.096 | | 1.93 | 1.96 | | ug/L | | 102 | 70 - 130 |
| Acenaphthylene | <0.096 | | 1.93 | 2.08 | | ug/L | | 108 | 70 - 130 |
| Acetochlor | <0.096 | | 1.93 | 2.12 | | ug/L | | 110 | 70 - 130 |
| Alachlor | <0.048 | | 1.93 | 2.14 | | ug/L | | 111 | 70 - 130 |
| alpha-BHC | <0.096 | | 1.93 | 1.98 | | ug/L | | 102 | 70 - 130 |
| alpha-Chlordane | <0.048 | | 1.93 | 1.95 | | ug/L | | 100 | 70 - 130 |
| Anthracene | <0.019 | | 1.93 | 1.89 | | ug/L | | 98 | 70 - 130 |
| Atrazine | <0.048 | | 1.93 | 2.25 | | ug/L | | 116 | 70 - 130 |
| Benz(a)anthracene | <0.048 | | 1.93 | 2.02 | | ug/L | | 105 | 70 - 130 |
| Benzo[a]pyrene | <0.019 | | 1.93 | 2.22 | | ug/L | | 115 | 70 - 130 |
| Benzo[b]fluoranthene | <0.019 | | 1.93 | 2.13 | | ug/L | | 110 | 70 - 130 |
| Benzo[g,h,i]perylene | <0.048 | | 1.93 | 1.90 | | ug/L | | 98 | 70 - 130 |
| Benzo[k]fluoranthene | <0.019 | | 1.93 | 1.96 | | ug/L | | 102 | 70 - 130 |

QC Sample Results

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

Job ID: 380-193820-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: 380-193902-B-1-A MS

Client Sample ID: Matrix Spike

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 201255

Prep Batch: 200931

| Analyte | Sample | Sample | Spike | MS | MS | Unit | D | %Rec | %Rec Limits |
|----------------------------------|---------|-----------|-------|--------|-----------|------|---|------|----------------|
| | Result | Qualifier | Added | Result | Qualifier | | | | |
| beta-BHC | <0.096 | | 1.93 | 1.98 | | ug/L | | 103 | 70 - 130 |
| Bis(2-ethylhexyl) phthalate | <0.58 | | 1.93 | 2.02 | | ug/L | | 105 | 70 - 130 |
| Bromacil | <0.096 | | 1.93 | 1.90 | | ug/L | | 96 | 70 - 130 |
| Butachlor | <0.048 | | 1.93 | 2.06 | | ug/L | | 107 | 70 - 130 |
| Butylbenzylphthalate | <0.48 | | 1.93 | 2.17 | | ug/L | | 113 | 70 - 130 |
| Chlorobenzilate | <0.096 | | 1.93 | 2.02 | | ug/L | | 105 | 70 - 130 |
| Chloroneb | <0.096 | | 1.93 | 2.01 | | ug/L | | 104 | 70 - 130 |
| Chlorothalonil (Draconil, Bravo) | <0.096 | | 1.93 | 1.98 | | ug/L | | 103 | 70 - 130 |
| Chlorpyrifos | <0.048 | | 1.93 | 2.12 | | ug/L | | 110 | 70 - 130 |
| Chrysene | <0.019 | | 1.93 | 1.94 | | ug/L | | 100 | 70 - 130 |
| delta-BHC | <0.096 | | 1.93 | 1.90 | | ug/L | | 99 | 70 - 130 |
| Di(2-ethylhexyl)adipate | <0.58 | | 1.93 | 2.15 | | ug/L | | 111 | 70 - 130 |
| Dibenz(a,h)anthracene | <0.048 | | 1.93 | 2.03 | | ug/L | | 105 | 70 - 130 |
| Diclorvos (DDVP) | <0.048 | | 1.93 | 2.14 | | ug/L | | 111 | 70 - 130 |
| Dieldrin | 0.076 | | 1.93 | 2.09 | | ug/L | | 104 | 70 - 130 |
| Diethylphthalate | <0.48 | | 1.93 | 2.09 | | ug/L | | 108 | 70 - 130 |
| Dimethylphthalate | <0.48 | | 1.93 | 2.06 | | ug/L | | 107 | 70 - 130 |
| Di-n-butyl phthalate | <0.96 | | 3.86 | 4.27 | | ug/L | | 111 | 70 - 130 |
| Di-n-octyl phthalate | <0.096 | | 1.93 | 1.96 | | ug/L | | 101 | 70 - 130 |
| Endosulfan I (Alpha) | <0.096 | | 1.93 | 1.93 | | ug/L | | 100 | 70 - 130 |
| Endosulfan II (Beta) | <0.096 | | 1.93 | 1.98 | | ug/L | | 103 | 70 - 130 |
| Endosulfan sulfate | <0.096 | | 1.93 | 1.90 | | ug/L | | 99 | 70 - 130 |
| Endrin | <0.0096 | | 1.93 | 2.14 | | ug/L | | 111 | 70 - 130 |
| Endrin aldehyde | <0.096 | | 1.93 | 1.80 | | ug/L | | 93 | 60 - 130 |
| EPTC | <0.096 | | 1.93 | 2.04 | | ug/L | | 106 | 70 - 130 |
| Fluoranthene | <0.096 | | 1.93 | 2.09 | | ug/L | | 108 | 70 - 130 |
| Fluorene | <0.048 | | 1.93 | 2.03 | | ug/L | | 105 | 70 - 130 |
| gamma-Chlordane | <0.048 | | 1.93 | 1.94 | | ug/L | | 100 | 70 - 130 |
| Heptachlor | <0.0096 | | 1.93 | 2.13 | | ug/L | | 110 | 70 - 130 |
| Heptachlor epoxide (isomer B) | 0.012 | | 1.93 | 2.00 | | ug/L | | 103 | 70 - 130 |
| Hexachlorobenzene | <0.048 | | 1.93 | 1.96 | | ug/L | | 102 | 70 - 130 |
| Hexachlorocyclopentadiene | <0.048 | | 1.93 | 1.95 | | ug/L | | 101 | 70 - 130 |
| Indeno[1,2,3-cd]pyrene | <0.048 | | 1.93 | 2.01 | | ug/L | | 104 | 70 - 130 |
| Isophorone | <0.096 | | 1.93 | 1.94 | | ug/L | | 100 | 70 - 130 |
| Lindane | <0.0096 | | 1.93 | 2.06 | | ug/L | | 107 | 70 - 130 |
| Malathion | <0.096 | | 1.93 | 2.02 | | ug/L | | 105 | 70 - 130 |
| Methoxychlor | <0.048 | | 1.93 | 2.03 | | ug/L | | 105 | 70 - 130 |
| Metolachlor | <0.048 | | 1.93 | 2.01 | | ug/L | | 104 | 70 - 130 |
| Molinate | <0.096 | | 1.93 | 2.09 | | ug/L | | 108 | 70 - 130 |
| Naphthalene | <0.096 | | 1.93 | 1.82 | | ug/L | | 94 | 70 - 130 |
| Parathion | <0.096 | | 1.93 | 2.07 | | ug/L | | 107 | 70 - 130 |
| Pendimethalin (Penoxaline) | <0.096 | | 1.93 | 1.92 | | ug/L | | 100 | 70 - 130 |
| Phenanthrene | <0.038 | | 1.93 | 1.79 | | ug/L | | 93 | 70 - 130 |
| Propachlor | <0.048 | | 1.93 | 2.15 | | ug/L | | 112 | 70 - 130 |
| Pyrene | <0.048 | | 1.93 | 2.09 | | ug/L | | 108 | 70 - 130 |
| Simazine | <0.048 | | 1.93 | 2.22 | | ug/L | | 115 | 70 - 130 |
| Terbacil | <0.096 | | 1.93 | 1.90 | | ug/L | | 98 | 70 - 130 |
| Terbuthylazine | <0.096 | | 1.93 | 2.27 | | ug/L | | 118 | 70 - 130 |
| Thiobencarb | <0.096 | | 1.93 | 2.17 | | ug/L | | 113 | 70 - 130 |

Eurofins Pomona

QC Sample Results

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

Job ID: 380-193820-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: 380-193902-B-1-A MS

Matrix: Water

Analysis Batch: 201255

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 200931

| Analyte | Sample | Sample | Spike | MS | MS | Unit | D | %Rec | %Rec Limits |
|-----------------|--------|-----------|-------|--------|-----------|------|---|------|----------------|
| | Result | Qualifier | Added | Result | Qualifier | | | | |
| trans-Nonachlor | <0.048 | | 1.93 | 1.93 | | ug/L | | 99 | 70 - 130 |
| Trifluralin | <0.096 | | 1.93 | 1.98 | | ug/L | | 103 | 70 - 130 |

| Surrogate | MS | MS | Limits |
|--------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| 2-Nitro-m-xylene | 96 | | 70 - 130 |
| Perylene-d12 | 99 | | 70 - 130 |
| Triphenylphosphate | 105 | | 70 - 130 |

Lab Sample ID: 380-193911-B-1-A DU

Matrix: Water

Analysis Batch: 201255

Client Sample ID: Duplicate

Prep Type: Total/NA

Prep Batch: 200931

| Analyte | Sample | Sample | DU | DU | Unit | D | RPD | Limit |
|----------------------------------|--------|-----------|--------|-----------|------|---|-----|-------|
| | Result | Qualifier | Result | Qualifier | | | | |
| 1-Methylnaphthalene | <0.096 | | <0.097 | | ug/L | | NC | 20 |
| 2,4'-DDD | <0.096 | | <0.097 | | ug/L | | NC | 20 |
| 2,4'-DDE | <0.096 | | <0.097 | | ug/L | | NC | 20 |
| 2,4'-DDT | <0.096 | | <0.097 | | ug/L | | NC | 20 |
| 2,4-Dinitrotoluene | <0.096 | | <0.097 | | ug/L | | NC | 20 |
| 2,6-Dinitrotoluene | <0.096 | | <0.097 | | ug/L | | NC | 20 |
| 2-Methylnaphthalene | <0.096 | | <0.097 | | ug/L | | NC | 20 |
| 4,4'-DDD | <0.096 | | <0.097 | | ug/L | | NC | 20 |
| 4,4'-DDE | <0.096 | | <0.097 | | ug/L | | NC | 20 |
| 4,4'-DDT | <0.096 | | <0.097 | | ug/L | | NC | 20 |
| Acenaphthene | <0.096 | | <0.097 | | ug/L | | NC | 20 |
| Acenaphthylene | <0.096 | | <0.097 | | ug/L | | NC | 20 |
| Acetochlor | <0.096 | | <0.097 | | ug/L | | NC | 20 |
| Alachlor | <0.048 | | <0.048 | | ug/L | | NC | 20 |
| alpha-BHC | <0.096 | | <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 | <0.096 | | <0.097 | | ug/L | | NC | 20 |
| Bis(2-ethylhexyl) phthalate | <0.58 | | <0.58 | | ug/L | | NC | 20 |
| Bromacil | <0.096 | | <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 | <0.096 | | <0.097 | | ug/L | | NC | 20 |
| Chloroneb | <0.096 | | <0.097 | | ug/L | | NC | 20 |
| Chlorothalonil (Draconil, Bravo) | <0.096 | | <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 | <0.096 | | <0.097 | | ug/L | | NC | 20 |
| Di(2-ethylhexyl)adipate | <0.58 | | <0.58 | | ug/L | | NC | 20 |

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QC Sample Results

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

Job ID: 380-193820-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: 380-193911-B-1-A DU

Matrix: Water

Analysis Batch: 201255

Client Sample ID: Duplicate

Prep Type: Total/NA

Prep Batch: 200931

| Analyte | Sample | Sample | DU | DU | Unit | D | RPD | Limit |
|----------------------------------|---------|-----------|---------|-----------|------|---|-----|-------|
| | Result | Qualifier | Result | Qualifier | | | | |
| Dibenz(a,h)anthracene | <0.048 | | <0.048 | | ug/L | | NC | 20 |
| Diclorvos (DDVP) | <0.048 | | <0.048 | | ug/L | | NC | 20 |
| Dieldrin | 0.079 | | 0.0811 | | ug/L | | 3 | 20 |
| Diethylphthalate | <0.48 | | <0.48 | | ug/L | | NC | 20 |
| Dimethylphthalate | <0.48 | | <0.48 | | ug/L | | NC | 20 |
| Di-n-butyl phthalate | <0.96 | | <0.97 | | ug/L | | NC | 20 |
| Di-n-octyl phthalate | <0.096 | | <0.097 | | ug/L | | NC | 20 |
| Endosulfan I (Alpha) | <0.096 | | <0.097 | | ug/L | | NC | 20 |
| Endosulfan II (Beta) | <0.096 | | <0.097 | | ug/L | | NC | 20 |
| Endosulfan sulfate | <0.096 | | <0.097 | | ug/L | | NC | 20 |
| Endrin | <0.0096 | | <0.0097 | | ug/L | | NC | 20 |
| Endrin aldehyde | <0.096 | | <0.097 | | ug/L | | NC | 20 |
| EPTC | <0.096 | | <0.097 | | ug/L | | NC | 20 |
| Fluoranthene | <0.096 | | <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 | <0.0096 | | <0.0097 | | ug/L | | NC | 20 |
| Heptachlor epoxide (isomer B) | 0.012 | | 0.0130 | | ug/L | | 7 | 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 | <0.096 | | <0.097 | | ug/L | | NC | 20 |
| Lindane | <0.0096 | | <0.0097 | | ug/L | | NC | 20 |
| Malathion | <0.096 | | <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 | <0.096 | | <0.097 | | ug/L | | NC | 20 |
| Naphthalene | <0.096 | | <0.097 | | ug/L | | NC | 20 |
| Parathion | <0.096 | | <0.097 | | ug/L | | NC | 20 |
| Pendimethalin (Penoxaline) | <0.096 | | <0.097 | | ug/L | | NC | 20 |
| Phenanthrene | <0.038 | | <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 | <0.096 | | <0.097 | | ug/L | | NC | 20 |
| Terbutylazine | <0.096 | | <0.097 | | ug/L | | NC | 20 |
| Thiobencarb | <0.096 | | <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 | <0.096 | | <0.097 | | ug/L | | NC | 20 |

| Surrogate | DU DU | | Limits |
|--------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| 2-Nitro-m-xylene | 96 | | 70 - 130 |
| Perylene-d12 | 89 | | 70 - 130 |
| Triphenylphosphate | 105 | | 70 - 130 |

QC Sample Results

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

Job ID: 380-193820-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: MB 570-686409/1-A
Matrix: Water
Analysis Batch: 689715

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 686409

| Analyte | MB | MB | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------|-----------|------|------|---|----------------|----------------|---------|
| | Result | Qualifier | | | | | | |
| 1-Methylnaphthalene | <0.20 | | 0.20 | ug/L | | 01/23/26 19:03 | 02/01/26 13:51 | 1 |
| 2-Methylnaphthalene | <0.20 | | 0.20 | ug/L | | 01/23/26 19:03 | 02/01/26 13:51 | 1 |
| Acenaphthene | <0.20 | | 0.20 | ug/L | | 01/23/26 19:03 | 02/01/26 13:51 | 1 |
| Acenaphthylene | <0.20 | | 0.20 | ug/L | | 01/23/26 19:03 | 02/01/26 13:51 | 1 |
| Anthracene | <0.20 | | 0.20 | ug/L | | 01/23/26 19:03 | 02/01/26 13:51 | 1 |
| Benzo[a]anthracene | <0.20 | | 0.20 | ug/L | | 01/23/26 19:03 | 02/01/26 13:51 | 1 |
| Benzo[a]pyrene | <0.20 | | 0.20 | ug/L | | 01/23/26 19:03 | 02/01/26 13:51 | 1 |
| Benzo[b]fluoranthene | <0.20 | | 0.20 | ug/L | | 01/23/26 19:03 | 02/01/26 13:51 | 1 |
| Benzo[g,h,i]perylene | <0.20 | | 0.20 | ug/L | | 01/23/26 19:03 | 02/01/26 13:51 | 1 |
| Benzo[k]fluoranthene | <0.20 | | 0.20 | ug/L | | 01/23/26 19:03 | 02/01/26 13:51 | 1 |
| Chrysene | <0.20 | | 0.20 | ug/L | | 01/23/26 19:03 | 02/01/26 13:51 | 1 |
| Dibenz(a,h)anthracene | <0.20 | | 0.20 | ug/L | | 01/23/26 19:03 | 02/01/26 13:51 | 1 |
| Fluoranthene | <0.20 | | 0.20 | ug/L | | 01/23/26 19:03 | 02/01/26 13:51 | 1 |
| Fluorene | <0.20 | | 0.20 | ug/L | | 01/23/26 19:03 | 02/01/26 13:51 | 1 |
| Indeno[1,2,3-cd]pyrene | <0.20 | | 0.20 | ug/L | | 01/23/26 19:03 | 02/01/26 13:51 | 1 |
| Naphthalene | <0.20 | | 0.20 | ug/L | | 01/23/26 19:03 | 02/01/26 13:51 | 1 |
| Phenanthrene | <0.20 | | 0.20 | ug/L | | 01/23/26 19:03 | 02/01/26 13:51 | 1 |
| Pyrene | <0.20 | | 0.20 | ug/L | | 01/23/26 19:03 | 02/01/26 13:51 | 1 |

| Surrogate | MB | MB | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| | %Recovery | Qualifier | | | | |
| 2,4,6-Tribromophenol (Surr) | 97 | | 28 - 127 | 01/23/26 19:03 | 02/01/26 13:51 | 1 |
| 2-Fluorobiphenyl (Surr) | 87 | | 31 - 120 | 01/23/26 19:03 | 02/01/26 13:51 | 1 |
| 2-Fluorophenol (Surr) | 59 | | 17 - 120 | 01/23/26 19:03 | 02/01/26 13:51 | 1 |
| Nitrobenzene-d5 (Surr) | 89 | | 27 - 120 | 01/23/26 19:03 | 02/01/26 13:51 | 1 |
| Phenol-d6 (Surr) | 37 | | 10 - 120 | 01/23/26 19:03 | 02/01/26 13:51 | 1 |
| p-Terphenyl-d14 (Surr) | 82 | | 45 - 120 | 01/23/26 19:03 | 02/01/26 13:51 | 1 |

Lab Sample ID: LCS 570-686409/2-A
Matrix: Water
Analysis Batch: 689715

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 686409

| Analyte | Spike Added | LCS | LCS | Unit | D | %Rec | %Rec Limits |
|------------------------|-------------|--------|-----------|------|---|------|-------------|
| | | Result | Qualifier | | | | |
| 1-Methylnaphthalene | 20.0 | 21.2 | | ug/L | | 106 | 47 - 120 |
| 2-Methylnaphthalene | 20.0 | 20.4 | | ug/L | | 102 | 43 - 120 |
| Acenaphthene | 20.0 | 20.2 | | ug/L | | 101 | 60 - 132 |
| Acenaphthylene | 20.0 | 19.6 | | ug/L | | 98 | 54 - 126 |
| Anthracene | 20.0 | 20.5 | | ug/L | | 102 | 43 - 120 |
| Benzo[a]anthracene | 20.0 | 21.6 | | ug/L | | 108 | 42 - 133 |
| Benzo[a]pyrene | 20.0 | 21.1 | | ug/L | | 105 | 32 - 148 |
| Benzo[b]fluoranthene | 20.0 | 21.4 | | ug/L | | 107 | 42 - 140 |
| Benzo[g,h,i]perylene | 20.0 | 20.4 | | ug/L | | 102 | 1 - 195 |
| Benzo[k]fluoranthene | 20.0 | 20.6 | | ug/L | | 103 | 25 - 146 |
| Chrysene | 20.0 | 21.2 | | ug/L | | 106 | 44 - 140 |
| Dibenz(a,h)anthracene | 20.0 | 21.5 | | ug/L | | 107 | 1 - 200 |
| Fluoranthene | 20.0 | 20.8 | | ug/L | | 104 | 43 - 121 |
| Fluorene | 20.0 | 19.6 | | ug/L | | 98 | 70 - 120 |
| Indeno[1,2,3-cd]pyrene | 20.0 | 21.7 | | ug/L | | 108 | 1 - 151 |
| Naphthalene | 20.0 | 20.7 | | ug/L | | 103 | 36 - 120 |

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QC Sample Results

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

Job ID: 380-193820-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: LCS 570-686409/2-A

Matrix: Water

Analysis Batch: 689715

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 686409

| Analyte | Spike Added | LCS | LCS | Unit | D | %Rec | %Rec Limits |
|--------------|-------------|--------|-----------|------|---|------|-------------|
| | | Result | Qualifier | | | | |
| Phenanthrene | 20.0 | 21.0 | | ug/L | | 105 | 65 - 120 |
| Pyrene | 20.0 | 22.7 | | ug/L | | 113 | 70 - 120 |

| Surrogate | LCS | | Limits |
|-----------------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| 2,4,6-Tribromophenol (Surr) | 105 | | 28 - 127 |
| 2-Fluorobiphenyl (Surr) | 88 | | 31 - 120 |
| 2-Fluorophenol (Surr) | 69 | | 17 - 120 |
| Nitrobenzene-d5 (Surr) | 96 | | 27 - 120 |
| Phenol-d6 (Surr) | 44 | | 10 - 120 |
| p-Terphenyl-d14 (Surr) | 99 | | 45 - 120 |

Lab Sample ID: LCSD 570-686409/3-A

Matrix: Water

Analysis Batch: 689715

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 686409

| Analyte | Spike Added | LCSD | LCSD | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|------------------------|-------------|--------|-----------|------|---|------|-------------|-----|-----------|
| | | Result | Qualifier | | | | | | |
| 1-Methylnaphthalene | 20.0 | 18.8 | | ug/L | | 94 | 47 - 120 | 12 | 20 |
| 2-Methylnaphthalene | 20.0 | 18.3 | | ug/L | | 91 | 43 - 120 | 11 | 20 |
| Acenaphthene | 20.0 | 18.4 | | ug/L | | 92 | 60 - 132 | 9 | 29 |
| Acenaphthylene | 20.0 | 17.8 | | ug/L | | 89 | 54 - 126 | 10 | 45 |
| Anthracene | 20.0 | 19.5 | | ug/L | | 97 | 43 - 120 | 5 | 40 |
| Benzo[a]anthracene | 20.0 | 20.2 | | ug/L | | 101 | 42 - 133 | 7 | 32 |
| Benzo[a]pyrene | 20.0 | 20.0 | | ug/L | | 100 | 32 - 148 | 5 | 43 |
| Benzo[b]fluoranthene | 20.0 | 19.7 | | ug/L | | 99 | 42 - 140 | 8 | 43 |
| Benzo[g,h,i]perylene | 20.0 | 19.1 | | ug/L | | 96 | 1 - 195 | 7 | 61 |
| Benzo[k]fluoranthene | 20.0 | 19.5 | | ug/L | | 97 | 25 - 146 | 6 | 38 |
| Chrysene | 20.0 | 19.9 | | ug/L | | 100 | 44 - 140 | 6 | 53 |
| Dibenz(a,h)anthracene | 20.0 | 20.4 | | ug/L | | 102 | 1 - 200 | 5 | 75 |
| Fluoranthene | 20.0 | 20.4 | | ug/L | | 102 | 43 - 121 | 2 | 40 |
| Fluorene | 20.0 | 18.5 | | ug/L | | 93 | 70 - 120 | 6 | 23 |
| Indeno[1,2,3-cd]pyrene | 20.0 | 20.2 | | ug/L | | 101 | 1 - 151 | 7 | 60 |
| Naphthalene | 20.0 | 17.7 | | ug/L | | 89 | 36 - 120 | 15 | 39 |
| Phenanthrene | 20.0 | 19.6 | | ug/L | | 98 | 65 - 120 | 7 | 24 |
| Pyrene | 20.0 | 20.8 | | ug/L | | 104 | 70 - 120 | 9 | 30 |

| Surrogate | LCSD | | Limits |
|-----------------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| 2,4,6-Tribromophenol (Surr) | 95 | | 28 - 127 |
| 2-Fluorobiphenyl (Surr) | 80 | | 31 - 120 |
| 2-Fluorophenol (Surr) | 58 | | 17 - 120 |
| Nitrobenzene-d5 (Surr) | 82 | | 27 - 120 |
| Phenol-d6 (Surr) | 38 | | 10 - 120 |
| p-Terphenyl-d14 (Surr) | 91 | | 45 - 120 |

QC Sample Results

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

Job ID: 380-193820-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: 570-264273-D-1-A MS

Matrix: Water

Analysis Batch: 690589

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 686409

| Analyte | Sample | Sample | Spike | MS | MS | Unit | D | %Rec | %Rec Limits |
|------------------------|--------|-----------|-------|--------|-----------|------|---|------|-------------|
| | Result | Qualifier | Added | Result | Qualifier | | | | |
| 1-Methylnaphthalene | <0.20 | | 20.0 | 21.8 | | ug/L | | 109 | 36 - 120 |
| 2-Methylnaphthalene | <0.20 | | 20.0 | 21.5 | | ug/L | | 107 | 32 - 124 |
| Acenaphthene | <0.20 | | 20.0 | 19.8 | | ug/L | | 99 | 47 - 145 |
| Acenaphthylene | <0.20 | | 20.0 | 20.2 | | ug/L | | 101 | 33 - 145 |
| Anthracene | <0.20 | | 20.0 | 21.0 | | ug/L | | 105 | 27 - 133 |
| Benzo[a]anthracene | <0.20 | | 20.0 | 22.0 | | ug/L | | 110 | 33 - 143 |
| Benzo[a]pyrene | 0.20 | | 20.0 | 20.3 | | ug/L | | 101 | 17 - 163 |
| Benzo[b]fluoranthene | <0.20 | | 20.0 | 21.1 | | ug/L | | 105 | 24 - 159 |
| Benzo[g,h,i]perylene | 0.34 | | 20.0 | 19.2 | | ug/L | | 95 | 1 - 219 |
| Benzo[k]fluoranthene | <0.20 | | 20.0 | 20.3 | | ug/L | | 101 | 11 - 162 |
| Chrysene | <0.20 | | 20.0 | 20.4 | | ug/L | | 102 | 17 - 168 |
| Dibenz(a,h)anthracene | 0.28 | | 20.0 | 20.6 | | ug/L | | 102 | 1 - 227 |
| Fluoranthene | <0.20 | | 20.0 | 22.0 | | ug/L | | 110 | 26 - 137 |
| Fluorene | <0.20 | | 20.0 | 20.3 | | ug/L | | 102 | 59 - 121 |
| Indeno[1,2,3-cd]pyrene | 0.36 | | 20.0 | 21.7 | | ug/L | | 107 | 1 - 171 |
| Naphthalene | <0.20 | | 20.0 | 19.7 | | ug/L | | 99 | 21 - 133 |
| Phenanthrene | <0.20 | | 20.0 | 20.4 | | ug/L | | 102 | 54 - 120 |
| Pyrene | <0.20 | | 20.0 | 21.3 | | ug/L | | 107 | 52 - 120 |

| Surrogate | MS | MS | Limits |
|-----------------------------|-----------|-----------|----------|
| | %Recovery | Qualifier | |
| 2,4,6-Tribromophenol (Surr) | 102 | | 28 - 127 |
| 2-Fluorobiphenyl (Surr) | 91 | | 31 - 120 |
| 2-Fluorophenol (Surr) | 68 | | 17 - 120 |
| Nitrobenzene-d5 (Surr) | 101 | | 27 - 120 |
| Phenol-d6 (Surr) | 44 | | 10 - 120 |
| p-Terphenyl-d14 (Surr) | 93 | | 45 - 120 |

Lab Sample ID: 570-264273-F-1-A MSD

Matrix: Water

Analysis Batch: 690589

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 686409

| Analyte | Sample | Sample | Spike | MSD | MSD | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|------------------------|--------|-----------|-------|--------|-----------|------|---|------|-------------|-----|-----------|
| | Result | Qualifier | Added | Result | Qualifier | | | | | | |
| 1-Methylnaphthalene | <0.20 | | 19.9 | 18.6 | | ug/L | | 94 | 36 - 120 | 15 | 30 |
| 2-Methylnaphthalene | <0.20 | | 19.9 | 18.8 | | ug/L | | 94 | 32 - 124 | 13 | 30 |
| Acenaphthene | <0.20 | | 19.9 | 16.9 | | ug/L | | 85 | 47 - 145 | 16 | 48 |
| Acenaphthylene | <0.20 | | 19.9 | 16.9 | | ug/L | | 85 | 33 - 145 | 18 | 74 |
| Anthracene | <0.20 | | 19.9 | 17.5 | | ug/L | | 88 | 27 - 133 | 18 | 66 |
| Benzo[a]anthracene | <0.20 | | 19.9 | 18.0 | | ug/L | | 91 | 33 - 143 | 20 | 53 |
| Benzo[a]pyrene | 0.20 | | 19.9 | 15.4 | | ug/L | | 76 | 17 - 163 | 28 | 72 |
| Benzo[b]fluoranthene | <0.20 | | 19.9 | 16.5 | | ug/L | | 82 | 24 - 159 | 24 | 71 |
| Benzo[g,h,i]perylene | 0.34 | | 19.9 | 15.4 | | ug/L | | 76 | 1 - 219 | 22 | 97 |
| Benzo[k]fluoranthene | <0.20 | | 19.9 | 15.6 | | ug/L | | 78 | 11 - 162 | 26 | 63 |
| Chrysene | <0.20 | | 19.9 | 16.6 | | ug/L | | 83 | 17 - 168 | 21 | 87 |
| Dibenz(a,h)anthracene | 0.28 | | 19.9 | 16.7 | | ug/L | | 83 | 1 - 227 | 21 | 126 |
| Fluoranthene | <0.20 | | 19.9 | 17.4 | | ug/L | | 87 | 26 - 137 | 24 | 66 |
| Fluorene | <0.20 | | 19.9 | 17.0 | | ug/L | | 86 | 59 - 121 | 18 | 38 |
| Indeno[1,2,3-cd]pyrene | 0.36 | | 19.9 | 17.5 | | ug/L | | 86 | 1 - 171 | 22 | 99 |
| Naphthalene | <0.20 | | 19.9 | 17.5 | | ug/L | | 88 | 21 - 133 | 12 | 65 |

Eurofins Pomona

QC Sample Results

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

Job ID: 380-193820-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: 570-264273-F-1-A MSD

Matrix: Water

Analysis Batch: 690589

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 686409

| Analyte | Sample | Sample | Spike | MSD | MSD | Unit | D | %Rec | %Rec | RPD | RPD |
|-----------------------------|------------------|------------------|---------------|--------|-----------|------|---|------|----------|-----|-----|
| | Result | Qualifier | Added | Result | Qualifier | | | | Limits | | |
| Phenanthrene | <0.20 | | 19.9 | 16.9 | | ug/L | | 85 | 54 - 120 | 19 | 39 |
| Pyrene | <0.20 | | 19.9 | 18.1 | | ug/L | | 91 | 52 - 120 | 16 | 49 |
| MSD MSD | | | | | | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | | | | | | |
| 2,4,6-Tribromophenol (Surr) | 85 | | 28 - 127 | | | | | | | | |
| 2-Fluorobiphenyl (Surr) | 77 | | 31 - 120 | | | | | | | | |
| 2-Fluorophenol (Surr) | 60 | | 17 - 120 | | | | | | | | |
| Nitrobenzene-d5 (Surr) | 85 | | 27 - 120 | | | | | | | | |
| Phenol-d6 (Surr) | 39 | | 10 - 120 | | | | | | | | |
| p-Terphenyl-d14 (Surr) | 79 | | 45 - 120 | | | | | | | | |

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

Lab Sample ID: MB 570-687650/5

Matrix: Water

Analysis Batch: 687650

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 | | | 01/27/26 14:47 | 1 | |
| MB MB | | | | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | | | | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 85 | | 38 - 134 | | | | | | 1 |
| | | | | | | Prepared | Analyzed | | |
| | | | | | | | 01/27/26 14:47 | | |

Lab Sample ID: LCS 570-687650/3

Matrix: Water

Analysis Batch: 687650

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS | LCS | Unit | D | %Rec | %Rec | RPD | Limit |
|----------------------------------|------------------|------------------|---------------|------|---|------|----------|-----|-------|
| | | Result | Qualifier | | | | Limits | | |
| Gasoline Range Organics (C4-C13) | 400 | 413 | | ug/L | | 103 | 78 - 120 | | |
| LCS LCS | | | | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | | | | |
| 4-Bromofluorobenzene (Surr) | 86 | | 38 - 134 | | | | | | |

Lab Sample ID: LCSD 570-687650/4

Matrix: Water

Analysis Batch: 687650

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte | Spike Added | LCSD | LCSD | Unit | D | %Rec | %Rec | RPD | Limit |
|----------------------------------|------------------|------------------|---------------|------|---|------|----------|-----|-------|
| | | Result | Qualifier | | | | Limits | | |
| Gasoline Range Organics (C4-C13) | 400 | 432 | | ug/L | | 108 | 78 - 120 | 4 | 10 |
| LCSD LCSD | | | | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | | | | |
| 4-Bromofluorobenzene (Surr) | 93 | | 38 - 134 | | | | | | |

QC Sample Results

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

Job ID: 380-193820-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: MRL 570-687650/6
Matrix: Water
Analysis Batch: 687650

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

| Analyte | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec Limits |
|----------------------------------|-------------|------------|---------------|------|---|------|---------------|
| Gasoline Range Organics (C4-C13) | 10.0 | <7.9 | | ug/L | | 68 | 50 - 150 |
| Surrogate | | MRL | MRL | | | | Limits |
| 4-Bromofluorobenzene (Surr) | | 86 | | | | | 38 - 134 |

Lab Sample ID: 380-193582-X-1 MS
Matrix: Water
Analysis Batch: 687650

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 | 383 | | ug/L | | 96 | 68 - 122 |
| Surrogate | | MS | | MS | | | | | Limits |
| 4-Bromofluorobenzene (Surr) | | 97 | | | | | | | 38 - 134 |

Lab Sample ID: 380-193582-Y-1 MSD
Matrix: Water
Analysis Batch: 687650

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 | 407 | | ug/L | | 102 | 68 - 122 | 6 | 18 |
| Surrogate | | MSD | | MSD | | | | | Limits | | |
| 4-Bromofluorobenzene (Surr) | | 92 | | | | | | | 38 - 134 | | |

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

Lab Sample ID: MB 570-686737/1-A
Matrix: Water
Analysis Batch: 688261

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 686737

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------------|-----------|--------------|----|------|---|-----------------|-----------------|----------------|
| Diesel Range Organics (C10-C24) | <25 | | 25 | ug/L | | 01/25/26 10:37 | 01/28/26 15:05 | 1 |
| Motor Oil Range Organics [C24-C36] | <25 | | 25 | ug/L | | 01/25/26 10:37 | 01/28/26 15:05 | 1 |
| C8-C18 | <25 | | 25 | ug/L | | 01/25/26 10:37 | 01/28/26 15:05 | 1 |
| Surrogate | | MB | | | | Prepared | Analyzed | Dil Fac |
| n-Octacosane (Surr) | | 117 | | | | 01/25/26 10:37 | 01/28/26 15:05 | 1 |

Lab Sample ID: LCS 570-686737/2-A
Matrix: Water
Analysis Batch: 688261

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 686737

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|-------------|------------|---------------|------|---|------|-------------|
| C10-C28 | 1600 | 1030 | | ug/L | | 64 | 56 - 127 |

Eurofins Pomona

QC Sample Results

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

Job ID: 380-193820-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Lab Sample ID: LCS 570-686737/2-A
Matrix: Water
Analysis Batch: 688261

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 686737

| | LCS | LCS | |
|----------------------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| <i>n-Octacosane (Surr)</i> | 92 | | 60 - 130 |

Lab Sample ID: LCSD 570-686737/3-A
Matrix: Water
Analysis Batch: 688261

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 686737

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec | | RPD | Limit |
|---------|-------------|-------------|----------------|------|---|------|----------|-----|-----|-------|
| | | | | | | | Limits | RPD | | |
| C10-C28 | 1600 | 1120 | | ug/L | | 70 | 56 - 127 | 8 | 23 | |

| | LCSD | LCSD | |
|----------------------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| <i>n-Octacosane (Surr)</i> | 102 | | 60 - 130 |

Lab Sample ID: MRL 570-686737/4-A
Matrix: Water
Analysis Batch: 688261

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 686737

| Analyte | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec | | RPD | Limit |
|---------|-------------|------------|---------------|------|---|------|----------|-----|-----|-------|
| | | | | | | | Limits | RPD | | |
| C10-C28 | 0.0200 | 0.0281 | | mg/L | | 141 | 50 - 150 | | | |

| | MRL | MRL | |
|----------------------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| <i>n-Octacosane (Surr)</i> | 121 | | 60 - 130 |

Lab Sample ID: 380-194233-C-1-A MS
Matrix: Water
Analysis Batch: 688261

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 686737

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec | | RPD | Limit |
|---------|---------------|------------------|-------------|-----------|--------------|------|---|------|----------|-----|-----|-------|
| | | | | | | | | | Limits | RPD | | |
| C10-C28 | <26 | | 1630 | 1430 | | ug/L | | 88 | 70 - 130 | | | |

| | MS | MS | |
|----------------------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| <i>n-Octacosane (Surr)</i> | 120 | | 60 - 130 |

Lab Sample ID: 380-194233-D-1-A MSD
Matrix: Water
Analysis Batch: 688261

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 686737

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec | | RPD | Limit |
|---------|---------------|------------------|-------------|------------|---------------|------|---|------|----------|-----|-----|-------|
| | | | | | | | | | Limits | RPD | | |
| C10-C28 | <26 | | 1630 | 1370 | | ug/L | | 84 | 70 - 130 | 4 | 20 | |

| | MSD | MSD | |
|----------------------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| <i>n-Octacosane (Surr)</i> | 115 | | 60 - 130 |

QC Association Summary

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

Job ID: 380-193820-1
SDG: Weekly: Halawa Shaft Viewing Pool

GC/MS Semi VOA

Prep Batch: 200931

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|---------------------------|-----------|--------|--------|------------|
| 380-193820-1 | HALAWA SHAFT VIEWING POOL | Total/NA | Water | 525.2 | |
| MB 380-200931/21-A | Method Blank | Total/NA | Water | 525.2 | |
| LCS 380-200931/23-A | Lab Control Sample | Total/NA | Water | 525.2 | |
| MRL 380-200931/22-A | Lab Control Sample | Total/NA | Water | 525.2 | |
| 380-193902-B-1-A MS | Matrix Spike | Total/NA | Water | 525.2 | |
| 380-193911-B-1-A DU | Duplicate | Total/NA | Water | 525.2 | |

Analysis Batch: 201255

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|---------------------------|-----------|--------|--------|------------|
| 380-193820-1 | HALAWA SHAFT VIEWING POOL | Total/NA | Water | 525.2 | 200931 |
| MB 380-200931/21-A | Method Blank | Total/NA | Water | 525.2 | 200931 |
| LCS 380-200931/23-A | Lab Control Sample | Total/NA | Water | 525.2 | 200931 |
| MRL 380-200931/22-A | Lab Control Sample | Total/NA | Water | 525.2 | 200931 |
| 380-193902-B-1-A MS | Matrix Spike | Total/NA | Water | 525.2 | 200931 |
| 380-193911-B-1-A DU | Duplicate | Total/NA | Water | 525.2 | 200931 |

Prep Batch: 686409

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|---------------------------|-----------|--------|--------|------------|
| 380-193820-1 | HALAWA SHAFT VIEWING POOL | Total/NA | Water | 625.1 | |
| MB 570-686409/1-A | Method Blank | Total/NA | Water | 625.1 | |
| LCS 570-686409/2-A | Lab Control Sample | Total/NA | Water | 625.1 | |
| LCSD 570-686409/3-A | Lab Control Sample Dup | Total/NA | Water | 625.1 | |
| 570-264273-D-1-A MS | Matrix Spike | Total/NA | Water | 625.1 | |
| 570-264273-F-1-A MSD | Matrix Spike Duplicate | Total/NA | Water | 625.1 | |

Analysis Batch: 689715

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|-----------|------------|
| MB 570-686409/1-A | Method Blank | Total/NA | Water | 625.1 SIM | 686409 |
| LCS 570-686409/2-A | Lab Control Sample | Total/NA | Water | 625.1 SIM | 686409 |
| LCSD 570-686409/3-A | Lab Control Sample Dup | Total/NA | Water | 625.1 SIM | 686409 |

Analysis Batch: 690589

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|---------------------------|-----------|--------|-----------|------------|
| 380-193820-1 | HALAWA SHAFT VIEWING POOL | Total/NA | Water | 625.1 SIM | 686409 |
| 570-264273-D-1-A MS | Matrix Spike | Total/NA | Water | 625.1 SIM | 686409 |
| 570-264273-F-1-A MSD | Matrix Spike Duplicate | Total/NA | Water | 625.1 SIM | 686409 |

Analysis Batch: 691224

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|---------------------------|-----------|--------|--------|------------|
| 380-193820-1 | HALAWA SHAFT VIEWING POOL | Total/NA | Water | 625.1 | 686409 |

GC VOA

Analysis Batch: 687650

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|-------------------------------|-----------|--------|--------------|------------|
| 380-193820-1 | HALAWA SHAFT VIEWING POOL | Total/NA | Water | 8015B GRO LL | |
| 380-193820-2 | TB: HALAWA SHAFT VIEWING POOL | Total/NA | Water | 8015B GRO LL | |
| MB 570-687650/5 | Method Blank | Total/NA | Water | 8015B GRO LL | |
| LCS 570-687650/3 | Lab Control Sample | Total/NA | Water | 8015B GRO LL | |
| LCSD 570-687650/4 | Lab Control Sample Dup | Total/NA | Water | 8015B GRO LL | |
| MRL 570-687650/6 | Lab Control Sample | Total/NA | Water | 8015B GRO LL | |

QC Association Summary

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

Job ID: 380-193820-1
 SDG: Weekly: Halawa Shaft Viewing Pool

GC VOA (Continued)

Analysis Batch: 687650 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------------|------------|
| 380-193582-X-1 MS | Matrix Spike | Total/NA | Water | 8015B GRO LL | |
| 380-193582-Y-1 MSD | Matrix Spike Duplicate | Total/NA | Water | 8015B GRO LL | |

GC Semi VOA

Prep Batch: 686737

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|---------------------------|-----------|--------|--------|------------|
| 380-193820-1 | HALAWA SHAFT VIEWING POOL | Total/NA | Water | 3510C | |
| MB 570-686737/1-A | Method Blank | Total/NA | Water | 3510C | |
| LCS 570-686737/2-A | Lab Control Sample | Total/NA | Water | 3510C | |
| LCSD 570-686737/3-A | Lab Control Sample Dup | Total/NA | Water | 3510C | |
| MRL 570-686737/4-A | Lab Control Sample | Total/NA | Water | 3510C | |
| 380-194233-C-1-A MS | Matrix Spike | Total/NA | Water | 3510C | |
| 380-194233-D-1-A MSD | Matrix Spike Duplicate | Total/NA | Water | 3510C | |

Analysis Batch: 688261

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|---------------------------|-----------|--------|--------|------------|
| 380-193820-1 | HALAWA SHAFT VIEWING POOL | Total/NA | Water | 8015B | 686737 |
| MB 570-686737/1-A | Method Blank | Total/NA | Water | 8015B | 686737 |
| LCS 570-686737/2-A | Lab Control Sample | Total/NA | Water | 8015B | 686737 |
| LCSD 570-686737/3-A | Lab Control Sample Dup | Total/NA | Water | 8015B | 686737 |
| MRL 570-686737/4-A | Lab Control Sample | Total/NA | Water | 8015B | 686737 |
| 380-194233-C-1-A MS | Matrix Spike | Total/NA | Water | 8015B | 686737 |
| 380-194233-D-1-A MSD | Matrix Spike Duplicate | Total/NA | Water | 8015B | 686737 |

Lab Chronicle

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

Job ID: 380-193820-1
 SDG: Weekly: Halawa Shaft Viewing Pool

Client Sample ID: HALAWA SHAFT VIEWING POOL

Lab Sample ID: 380-193820-1

Date Collected: 01/20/26 09:25

Matrix: Water

Date Received: 01/22/26 09:55

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Batch Analyst | Lab | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------------|-----------|----------------------|
| Total/NA | Prep | 525.2 | | | 200931 | OTM3 | EA POM | 01/26/26 07:48 |
| Total/NA | Analysis | 525.2 | | 1 | 201255 | UPAC | EA POM | 01/27/26 13:53 |
| Total/NA | Prep | 625.1 | | | 686409 | S4EA | EET CAL 4 | 01/24/26 09:00 |
| Total/NA | Analysis | 625.1 | | 1 | 691224 | PQS1 | EET CAL 4 | 02/04/26 15:26 |
| Total/NA | Prep | 625.1 | | | 686409 | S4EA | EET CAL 4 | 01/24/26 09:00 |
| Total/NA | Analysis | 625.1 SIM | | 1 | 690589 | PQS1 | EET CAL 4 | 02/03/26 16:03 |
| Total/NA | Analysis | 8015B GRO LL | | 1 | 687650 | A9VE | EET CAL 4 | 01/27/26 18:33 |
| Total/NA | Prep | 3510C | | | 686737 | TVD6 | EET CAL 4 | 01/25/26 10:38 |
| Total/NA | Analysis | 8015B | | 1 | 688261 | NR | EET CAL 4 | 01/28/26 17:57 |

Client Sample ID: TB: HALAWA SHAFT VIEWING POOL

Lab Sample ID: 380-193820-2

Date Collected: 01/20/26 09:25

Matrix: Water

Date Received: 01/22/26 09:55

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Batch Analyst | Lab | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------------|-----------|----------------------|
| Total/NA | Analysis | 8015B GRO LL | | 1 | 687650 | A9VE | EET CAL 4 | 01/27/26 23:58 |

Laboratory References:

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

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

Accreditation/Certification Summary

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

Job ID: 380-193820-1
 SDG: Weekly: Halawa Shaft Viewing Pool

Laboratory: Eurofins Pomona

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

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

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

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

Laboratory: Eurofins Calscience

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

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

Accreditation/Certification Summary

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

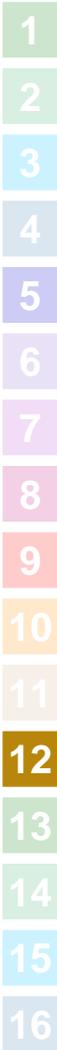
Job ID: 380-193820-1
SDG: Weekly: Halawa Shaft Viewing Pool

Laboratory: Eurofins Calscience (Continued)

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

| Authority | Program | Identification Number | Expiration Date |
|------------|---------------------|-----------------------|-----------------|
| California | State | 3082 | 07-31-26 |
| Kansas | NELAP | E-10420 | 07-31-26 |
| Nevada | State | CA00111 | 07-31-26 |
| Oregon | NELAP | 4175 | 02-02-26 * |
| USDA | US Federal Programs | 525-23-159-97150 | 06-08-26 |
| Utah | NELAP | CA00111 | 02-28-26 |
| Washington | State | C916 | 10-11-26 |

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



Method Summary

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

Job ID: 380-193820-1
SDG: Weekly: Halawa Shaft Viewing Pool

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

Protocol References:

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

EPA = US Environmental Protection Agency

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

Laboratory References:

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

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

Sample Summary

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

Job ID: 380-193820-1
SDG: Weekly: Halawa Shaft Viewing Pool

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Sample Origin |
|---------------|-------------------------------|--------|----------------|----------------|---------------|
| 380-193820-1 | HALAWA SHAFT VIEWING POOL | Water | 01/20/26 09:25 | 01/22/26 09:55 | Hawaii |
| 380-193820-2 | TB: HALAWA SHAFT VIEWING POOL | Water | 01/20/26 09:25 | 01/22/26 09:55 | Hawaii |

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- 14
- 15
- 16

Chain of Custody Record



| | | | | | |
|--|------------------------------------|--|----------------------------------|--|---|
| Client Information | | Lab Pk: Arada, Rachelle | | COC No: 380-28005-2757 1 | |
| Sampler: Jason Rakofsky | | Center Tracking No(s): | | Page: Page 1 of 2 | |
| Phone: +1 808 748 5840 | | State of Origin: | | Job #: | |
| E-Mail: Rachelle.Arada@et.eurofins.com | | Analysis Requested | | Preservation Codes: R - NaThioSO4 Q - Na2SO3 QA - Na2SO3/HCl Y - Trizma I - NH4 Acetate | |
| PWSID: | | Date Date Requested: | | Other: | |
| City & County of Honolulu | | TAT Requested (days): | | Total Number of Containers | |
| Address: 630 South Beretania Street Chemistry Lab Honolulu | | Compliance Project: Δ Yes Δ No | | Special Instructions/Note: | |
| Phone: HI, 96843 | | PO #: C20525101 exp 05312023 | | Special Instructions/Note: | |
| Email: kiwanoto@hbws.org | | WO #: | | Special Instructions/Note: | |
| Project Name: RED-HILL/HBWS Sites Event Desc: RUSH Weekly Red Hill | | Project #: 38001111 | | Special Instructions/Note: | |
| Site: Hawaii | | SSOW#: | | Special Instructions/Note: | |
| Sample Identification | | Field Filled Sample (Yes or No) | | Special Instructions/Note: | |
| Sample Date | Sample Time | Sample Type (C=Comp, G=grab) | Preservation Code | Perform MS/MSD (Yes or No) | Special Instructions/Note: |
| 20-Jan-2026 | 0925 | G | Water | 626.1, 626.1 SIM | Special Instructions/Note: |
| 20-Jan-2026 | 1 | G | Water | 80168_GRO_LL - (MOD) GRO | Special Instructions/Note: |
| | | | | 80168_DRO_LL_CS - HNL Ranges: C10-C24/C24-C36/C8-C18 | Special Instructions/Note: |
| | | | | 626.2_PREC - (MOD) 626.2 plus Plus TICs | Special Instructions/Note: |
| | | | | 637.1_DW_PREC - 637.1 Full List | Special Instructions/Note: |
| | | | | 633 - All Analytes | Special Instructions/Note: |
| Possible Hazard Identification | | Method of Shipment: | | Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) | |
| <input type="checkbox"/> Non-Hazard | <input type="checkbox"/> Flammable | <input type="checkbox"/> Skin Irritant | <input type="checkbox"/> Unknown | <input type="checkbox"/> Return To Client | <input type="checkbox"/> Archive For Months |
| Deliverable Requested: I, II, III, IV, Other (specify) | | Date/Time: 1/21/26 1104 | | Special Instructions/QC Requirements: | |
| Empty Kit Relinquished by | | Date/Time: 1/21/26 1104 | | Special Instructions/QC Requirements: | |
| Relinquished by | | Date/Time: 1/21/26 1104 | | Special Instructions/QC Requirements: | |
| Relinquished by | | Date/Time: 1/21/26 1104 | | Special Instructions/QC Requirements: | |
| Custody Seals Intact: Δ Yes Δ No | | Date/Time: 1/21/26 1104 | | Special Instructions/QC Requirements: | |
| Custody Seal No.: 3.3/3.1 4014 BLUE ICE BAYLEN | | Date/Time: 1/21/26 1104 | | Special Instructions/QC Requirements: | |



Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-193820-1
SDG Number: Weekly: Halawa Shaft Viewing Pool

Login Number: 193820

List Number: 1

Creator: Edrosa, Rey

List Source: Eurofins Pomona

| Question | Answer | Comment |
|--|--------|---------|
| The coolers custody seal, if present, is intact. | N/A | |
| Sample custody seals, if present, are intact. | N/A | |
| Samples were received on ice. | True | |
| Cooler(s) Temperature is acceptable. | True | |
| Cooler(s) Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and is legible. | True | |
| COC is filled out with all pertinent information. | True | |
| There are no discrepancies between the containers received and the COC. | 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). | N/A | |
| Samples do not require splitting or compositing. | True | |
| Container provided by EEA | True | |



Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-193820-1
SDG Number: Weekly: Halawa Shaft Viewing Pool

Login Number: 193820

List Number: 2

Creator: Khana, Piyush

List Source: Eurofins Calscience

List Creation: 01/22/26 06:28 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 | 1.9 |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | N/A | Received project as a subcontract. |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | True | fgf5 |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

