

ANALYTICAL REPORT

PREPARED FOR

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JOB DESCRIPTION

RED-HILL
Weekly: Halawa Shaft Viewing Pool/Aiea Gulch Wells Pump 2
RUSH Weekly Red Hill

JOB NUMBER

380-156259-1

Eurofins Eaton Analytical Pomona

Job Notes

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

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

Compliance Statement

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

Authorization



Authorized for release by
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Definitions/Glossary

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

Job ID: 380-156259-1
SDG: Weekly: Halawa Shaft Viewing Pool/Aiea Gulch Wells
Pump 2

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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: 380-156259-1

Job ID: 380-156259-1

Eurofins Eaton Analytical Pomona

Job Narrative 380-156259-1

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

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

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

Receipt

The samples were received on 6/19/2025 10:14 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 3.9°C and 4.5°C.

GC/MS Semi VOA

Method 625.1: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-586237. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

Method 625.1_SIM

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.

Eurofins Eaton Analytical Pomona

Detection Summary

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

Job ID: 380-156259-1
SDG: Weekly: Halawa Shaft Viewing Pool/Aiea Gulch Wells
Pump 2

Client Sample ID: Halawa Shaft Viewing Pool

Lab Sample ID: 380-156259-1

☐ No Detections.

Client Sample ID: TB: Halawa Shaft Viewing Pool

Lab Sample ID: 380-156259-2

☐ No Detections.

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

Lab Sample ID: 380-156259-3

☐ No Detections.

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

Lab Sample ID: 380-156259-4

☐ No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Eaton Analytical Pomona

Client Sample Results

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

Job ID: 380-156259-1
SDG: Weekly: Halawa Shaft Viewing Pool/Aiea Gulch Wells
Pump 2

Client Sample ID: Halawa Shaft Viewing Pool

Lab Sample ID: 380-156259-1

Date Collected: 06/17/25 09:25

Matrix: Drinking Water

Date Received: 06/19/25 10:14

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		06/20/25 07:47	06/20/25 16:22	1
2,4'-DDD	<0.097		0.097	ug/L		06/20/25 07:47	06/20/25 16:22	1
2,4'-DDE	<0.097		0.097	ug/L		06/20/25 07:47	06/20/25 16:22	1
2,4'-DDT	<0.097		0.097	ug/L		06/20/25 07:47	06/20/25 16:22	1
2,4-Dinitrotoluene	<0.097		0.097	ug/L		06/20/25 07:47	06/20/25 16:22	1
2,6-Dinitrotoluene	<0.097		0.097	ug/L		06/20/25 07:47	06/20/25 16:22	1
2-Methylnaphthalene	<0.097		0.097	ug/L		06/20/25 07:47	06/20/25 16:22	1
4,4'-DDD	<0.097		0.097	ug/L		06/20/25 07:47	06/20/25 16:22	1
4,4'-DDE	<0.097		0.097	ug/L		06/20/25 07:47	06/20/25 16:22	1
4,4'-DDT	<0.097		0.097	ug/L		06/20/25 07:47	06/20/25 16:22	1
Acenaphthene	<0.097		0.097	ug/L		06/20/25 07:47	06/20/25 16:22	1
Acenaphthylene	<0.097		0.097	ug/L		06/20/25 07:47	06/20/25 16:22	1
Acetochlor	<0.097		0.097	ug/L		06/20/25 07:47	06/20/25 16:22	1
Alachlor	<0.048		0.048	ug/L		06/20/25 07:47	06/20/25 16:22	1
alpha-BHC	<0.097		0.097	ug/L		06/20/25 07:47	06/20/25 16:22	1
alpha-Chlordane	<0.048		0.048	ug/L		06/20/25 07:47	06/20/25 16:22	1
Anthracene	<0.019		0.019	ug/L		06/20/25 07:47	06/20/25 16:22	1
Atrazine	<0.048		0.048	ug/L		06/20/25 07:47	06/20/25 16:22	1
Benz(a)anthracene	<0.048		0.048	ug/L		06/20/25 07:47	06/20/25 16:22	1
Benzo[a]pyrene	<0.019		0.019	ug/L		06/20/25 07:47	06/20/25 16:22	1
Benzo[b]fluoranthene	<0.019		0.019	ug/L		06/20/25 07:47	06/20/25 16:22	1
Benzo[g,h,i]perylene	<0.048		0.048	ug/L		06/20/25 07:47	06/20/25 16:22	1
Benzo[k]fluoranthene	<0.019		0.019	ug/L		06/20/25 07:47	06/20/25 16:22	1
beta-BHC	<0.097		0.097	ug/L		06/20/25 07:47	06/20/25 16:22	1
Bis(2-ethylhexyl) phthalate	<0.58		0.58	ug/L		06/20/25 07:47	06/20/25 16:22	1
Bromacil	<0.097		0.097	ug/L		06/20/25 07:47	06/20/25 16:22	1
Butachlor	<0.048		0.048	ug/L		06/20/25 07:47	06/20/25 16:22	1
Butylbenzylphthalate	<0.48		0.48	ug/L		06/20/25 07:47	06/20/25 16:22	1
Chlorobenzilate	<0.097		0.097	ug/L		06/20/25 07:47	06/20/25 16:22	1
Chloroneb	<0.097		0.097	ug/L		06/20/25 07:47	06/20/25 16:22	1
Chlorothalonil (Draconil, Bravo)	<0.097		0.097	ug/L		06/20/25 07:47	06/20/25 16:22	1
Chlorpyrifos	<0.048		0.048	ug/L		06/20/25 07:47	06/20/25 16:22	1
Chrysene	<0.019		0.019	ug/L		06/20/25 07:47	06/20/25 16:22	1
delta-BHC	<0.097		0.097	ug/L		06/20/25 07:47	06/20/25 16:22	1
Di(2-ethylhexyl)adipate	<0.58		0.58	ug/L		06/20/25 07:47	06/20/25 16:22	1
Dibenz(a,h)anthracene	<0.048		0.048	ug/L		06/20/25 07:47	06/20/25 16:22	1
Diclorvos (DDVP)	<0.048		0.048	ug/L		06/20/25 07:47	06/20/25 16:22	1
Dieldrin	<0.0097		0.0097	ug/L		06/20/25 07:47	06/20/25 16:22	1
Diethylphthalate	<0.48		0.48	ug/L		06/20/25 07:47	06/20/25 16:22	1
Dimethylphthalate	<0.48		0.48	ug/L		06/20/25 07:47	06/20/25 16:22	1
Di-n-butyl phthalate	<0.97		0.97	ug/L		06/20/25 07:47	06/20/25 16:22	1
Di-n-octyl phthalate	<0.097		0.097	ug/L		06/20/25 07:47	06/20/25 16:22	1
Endosulfan I (Alpha)	<0.097		0.097	ug/L		06/20/25 07:47	06/20/25 16:22	1
Endosulfan II (Beta)	<0.097		0.097	ug/L		06/20/25 07:47	06/20/25 16:22	1
Endosulfan sulfate	<0.097		0.097	ug/L		06/20/25 07:47	06/20/25 16:22	1
Endrin	<0.0097		0.0097	ug/L		06/20/25 07:47	06/20/25 16:22	1
Endrin aldehyde	<0.097		0.097	ug/L		06/20/25 07:47	06/20/25 16:22	1
EPTC	<0.097		0.097	ug/L		06/20/25 07:47	06/20/25 16:22	1

Eurofins Eaton Analytical Pomona

Client Sample Results

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

Job ID: 380-156259-1
SDG: Weekly: Halawa Shaft Viewing Pool/Aiea Gulch Wells
Pump 2

Client Sample ID: Halawa Shaft Viewing Pool

Lab Sample ID: 380-156259-1

Date Collected: 06/17/25 09:25

Matrix: Drinking Water

Date Received: 06/19/25 10:14

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	<0.097		0.097	ug/L		06/20/25 07:47	06/20/25 16:22	1
Fluorene	<0.048		0.048	ug/L		06/20/25 07:47	06/20/25 16:22	1
gamma-Chlordane	<0.048		0.048	ug/L		06/20/25 07:47	06/20/25 16:22	1
Heptachlor	<0.0097		0.0097	ug/L		06/20/25 07:47	06/20/25 16:22	1
Heptachlor epoxide (isomer B)	<0.0097		0.0097	ug/L		06/20/25 07:47	06/20/25 16:22	1
Hexachlorobenzene	<0.048		0.048	ug/L		06/20/25 07:47	06/20/25 16:22	1
Hexachlorocyclopentadiene	<0.048		0.048	ug/L		06/20/25 07:47	06/20/25 16:22	1
Indeno[1,2,3-cd]pyrene	<0.048		0.048	ug/L		06/20/25 07:47	06/20/25 16:22	1
Isophorone	<0.097		0.097	ug/L		06/20/25 07:47	06/20/25 16:22	1
Lindane	<0.0097		0.0097	ug/L		06/20/25 07:47	06/20/25 16:22	1
Malathion	<0.097		0.097	ug/L		06/20/25 07:47	06/20/25 16:22	1
Methoxychlor	<0.048		0.048	ug/L		06/20/25 07:47	06/20/25 16:22	1
Metolachlor	<0.048		0.048	ug/L		06/20/25 07:47	06/20/25 16:22	1
Molinate	<0.097		0.097	ug/L		06/20/25 07:47	06/20/25 16:22	1
Naphthalene	<0.097		0.097	ug/L		06/20/25 07:47	06/20/25 16:22	1
Parathion	<0.097		0.097	ug/L		06/20/25 07:47	06/20/25 16:22	1
Pendimethalin (Penoxaline)	<0.097		0.097	ug/L		06/20/25 07:47	06/20/25 16:22	1
Phenanthrene	<0.039		0.039	ug/L		06/20/25 07:47	06/20/25 16:22	1
Propachlor	<0.048		0.048	ug/L		06/20/25 07:47	06/20/25 16:22	1
Pyrene	<0.048		0.048	ug/L		06/20/25 07:47	06/20/25 16:22	1
Simazine	<0.048		0.048	ug/L		06/20/25 07:47	06/20/25 16:22	1
Terbacil	<0.097		0.097	ug/L		06/20/25 07:47	06/20/25 16:22	1
Terbutylazine	<0.097		0.097	ug/L		06/20/25 07:47	06/20/25 16:22	1
Thiobencarb	<0.097		0.097	ug/L		06/20/25 07:47	06/20/25 16:22	1
Total Permethrin (mixed isomers)	<0.19		0.19	ug/L		06/20/25 07:47	06/20/25 16:22	1
trans-Nonachlor	<0.048		0.048	ug/L		06/20/25 07:47	06/20/25 16:22	1
Trifluralin	<0.097		0.097	ug/L		06/20/25 07:47	06/20/25 16:22	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A	06/20/25 07:47	06/20/25 16:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	110		70 - 130	06/20/25 07:47	06/20/25 16:22	1
Perylene-d12	87		70 - 130	06/20/25 07:47	06/20/25 16:22	1
Triphenylphosphate	89		70 - 130	06/20/25 07:47	06/20/25 16:22	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		06/20/25 04:21	06/29/25 21:07	1
2-Methylnaphthalene	<0.19		0.19	ug/L		06/20/25 04:21	06/29/25 21:07	1
Acenaphthene	<0.19		0.19	ug/L		06/20/25 04:21	06/29/25 21:07	1
Acenaphthylene	<0.19		0.19	ug/L		06/20/25 04:21	06/29/25 21:07	1
Anthracene	<0.19		0.19	ug/L		06/20/25 04:21	06/29/25 21:07	1
Benzo[a]anthracene	<0.19		0.19	ug/L		06/20/25 04:21	06/29/25 21:07	1
Benzo[a]pyrene	<0.19		0.19	ug/L		06/20/25 04:21	06/29/25 21:07	1
Benzo[b]fluoranthene	<0.19		0.19	ug/L		06/20/25 04:21	06/29/25 21:07	1
Benzo[g,h,i]perylene	<0.19		0.19	ug/L		06/20/25 04:21	06/29/25 21:07	1
Benzo[k]fluoranthene	<0.19		0.19	ug/L		06/20/25 04:21	06/29/25 21:07	1
Chrysene	<0.19		0.19	ug/L		06/20/25 04:21	06/29/25 21:07	1

Eurofins Eaton Analytical Pomona

Client Sample Results

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

Job ID: 380-156259-1
SDG: Weekly: Halawa Shaft Viewing Pool/Aiea Gulch Wells
Pump 2

Client Sample ID: Halawa Shaft Viewing Pool

Lab Sample ID: 380-156259-1

Date Collected: 06/17/25 09:25

Matrix: Drinking Water

Date Received: 06/19/25 10:14

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	<0.19		0.19	ug/L		06/20/25 04:21	06/29/25 21:07	1
Fluoranthene	<0.19		0.19	ug/L		06/20/25 04:21	06/29/25 21:07	1
Fluorene	<0.19		0.19	ug/L		06/20/25 04:21	06/29/25 21:07	1
Indeno[1,2,3-cd]pyrene	<0.19		0.19	ug/L		06/20/25 04:21	06/29/25 21:07	1
Naphthalene	<0.19		0.19	ug/L		06/20/25 04:21	06/29/25 21:07	1
Phenanthrene	<0.19		0.19	ug/L		06/20/25 04:21	06/29/25 21:07	1
Pyrene	<0.19		0.19	ug/L		06/20/25 04:21	06/29/25 21:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	84		28 - 127	06/20/25 04:21	06/29/25 21:07	1
2-Fluorobiphenyl (Surr)	84		31 - 120	06/20/25 04:21	06/29/25 21:07	1
2-Fluorophenol (Surr)	44		17 - 120	06/20/25 04:21	06/29/25 21:07	1
Nitrobenzene-d5 (Surr)	75		27 - 120	06/20/25 04:21	06/29/25 21:07	1
Phenol-d6 (Surr)	25		10 - 120	06/20/25 04:21	06/29/25 21:07	1
p-Terphenyl-d14 (Surr)	90		45 - 120	06/20/25 04:21	06/29/25 21:07	1

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

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A	06/20/25 04:21	06/30/25 17:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	58		33 - 139	06/20/25 04:21	06/30/25 17:06	1
2-Fluorobiphenyl (Surr)	80		33 - 126	06/20/25 04:21	06/30/25 17:06	1
2-Fluorophenol (Surr)	44		12 - 120	06/20/25 04:21	06/30/25 17:06	1
Nitrobenzene-d5 (Surr)	80		36 - 120	06/20/25 04:21	06/30/25 17:06	1
Phenol-d6 (Surr)	25		10 - 120	06/20/25 04:21	06/30/25 17:06	1
p-Terphenyl-d14 (Surr)	82		47 - 131	06/20/25 04:21	06/30/25 17:06	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			06/26/25 19:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		38 - 134		06/26/25 19:57	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		06/23/25 14:13	06/30/25 21:24	1
Motor Oil Range Organics [C24-C36]	<25		25	ug/L		06/23/25 14:13	06/30/25 21:24	1
C8-C18	<25		25	ug/L		06/23/25 14:13	06/30/25 21:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	97		60 - 130	06/23/25 14:13	06/30/25 21:24	1

Client Sample Results

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

Job ID: 380-156259-1
SDG: Weekly: Halawa Shaft Viewing Pool/Aiea Gulch Wells
Pump 2

Client Sample ID: TB: Halawa Shaft Viewing Pool

Lab Sample ID: 380-156259-2

Date Collected: 06/17/25 09:25

Matrix: Drinking Water

Date Received: 06/19/25 10:14

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			06/26/25 14:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		38 - 134				06/26/25 14:56	1

Client Sample ID: AIEA GULCH WELLS PUMP 2

Lab Sample ID: 380-156259-3

(331-202-TP072)

Date Collected: 06/17/25 10:55

Matrix: Drinking Water

Date Received: 06/19/25 10:14

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.098		0.098	ug/L		06/20/25 07:47	06/20/25 16:42	1
2,4'-DDD	<0.098		0.098	ug/L		06/20/25 07:47	06/20/25 16:42	1
2,4'-DDE	<0.098		0.098	ug/L		06/20/25 07:47	06/20/25 16:42	1
2,4'-DDT	<0.098		0.098	ug/L		06/20/25 07:47	06/20/25 16:42	1
2,4-Dinitrotoluene	<0.098		0.098	ug/L		06/20/25 07:47	06/20/25 16:42	1
2,6-Dinitrotoluene	<0.098		0.098	ug/L		06/20/25 07:47	06/20/25 16:42	1
2-Methylnaphthalene	<0.098		0.098	ug/L		06/20/25 07:47	06/20/25 16:42	1
4,4'-DDD	<0.098		0.098	ug/L		06/20/25 07:47	06/20/25 16:42	1
4,4'-DDE	<0.098		0.098	ug/L		06/20/25 07:47	06/20/25 16:42	1
4,4'-DDT	<0.098		0.098	ug/L		06/20/25 07:47	06/20/25 16:42	1
Acenaphthene	<0.098		0.098	ug/L		06/20/25 07:47	06/20/25 16:42	1
Acenaphthylene	<0.098		0.098	ug/L		06/20/25 07:47	06/20/25 16:42	1
Acetochlor	<0.098		0.098	ug/L		06/20/25 07:47	06/20/25 16:42	1
Alachlor	<0.049		0.049	ug/L		06/20/25 07:47	06/20/25 16:42	1
alpha-BHC	<0.098		0.098	ug/L		06/20/25 07:47	06/20/25 16:42	1
alpha-Chlordane	<0.049		0.049	ug/L		06/20/25 07:47	06/20/25 16:42	1
Anthracene	<0.020		0.020	ug/L		06/20/25 07:47	06/20/25 16:42	1
Atrazine	<0.049		0.049	ug/L		06/20/25 07:47	06/20/25 16:42	1
Benz(a)anthracene	<0.049		0.049	ug/L		06/20/25 07:47	06/20/25 16:42	1
Benzo[a]pyrene	<0.020		0.020	ug/L		06/20/25 07:47	06/20/25 16:42	1
Benzo[b]fluoranthene	<0.020		0.020	ug/L		06/20/25 07:47	06/20/25 16:42	1
Benzo[g,h,i]perylene	<0.049		0.049	ug/L		06/20/25 07:47	06/20/25 16:42	1
Benzo[k]fluoranthene	<0.020		0.020	ug/L		06/20/25 07:47	06/20/25 16:42	1
beta-BHC	<0.098		0.098	ug/L		06/20/25 07:47	06/20/25 16:42	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59	ug/L		06/20/25 07:47	06/20/25 16:42	1
Bromacil	<0.098		0.098	ug/L		06/20/25 07:47	06/20/25 16:42	1
Butachlor	<0.049		0.049	ug/L		06/20/25 07:47	06/20/25 16:42	1
Butylbenzylphthalate	<0.49		0.49	ug/L		06/20/25 07:47	06/20/25 16:42	1
Chlorobenzilate	<0.098		0.098	ug/L		06/20/25 07:47	06/20/25 16:42	1
Chloroneb	<0.098		0.098	ug/L		06/20/25 07:47	06/20/25 16:42	1
Chlorothalonil (Draconil, Bravo)	<0.098		0.098	ug/L		06/20/25 07:47	06/20/25 16:42	1
Chlorpyrifos	<0.049		0.049	ug/L		06/20/25 07:47	06/20/25 16:42	1
Chrysene	<0.020		0.020	ug/L		06/20/25 07:47	06/20/25 16:42	1
delta-BHC	<0.098		0.098	ug/L		06/20/25 07:47	06/20/25 16:42	1
Di(2-ethylhexyl)adipate	<0.59		0.59	ug/L		06/20/25 07:47	06/20/25 16:42	1
Dibenz(a,h)anthracene	<0.049		0.049	ug/L		06/20/25 07:47	06/20/25 16:42	1
Diclorvos (DDVP)	<0.049		0.049	ug/L		06/20/25 07:47	06/20/25 16:42	1

Eurofins Eaton Analytical Pomona

Client Sample Results

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

Job ID: 380-156259-1
SDG: Weekly: Halawa Shaft Viewing Pool/Aiea Gulch Wells
Pump 2

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

Lab Sample ID: 380-156259-3

Date Collected: 06/17/25 10:55

Matrix: Drinking Water

Date Received: 06/19/25 10:14

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	<0.0098		0.0098	ug/L		06/20/25 07:47	06/20/25 16:42	1
Diethylphthalate	<0.49		0.49	ug/L		06/20/25 07:47	06/20/25 16:42	1
Dimethylphthalate	<0.49		0.49	ug/L		06/20/25 07:47	06/20/25 16:42	1
Di-n-butyl phthalate	0.98		0.98	ug/L		06/20/25 07:47	06/20/25 16:42	1
Di-n-octyl phthalate	<0.098		0.098	ug/L		06/20/25 07:47	06/20/25 16:42	1
Endosulfan I (Alpha)	<0.098		0.098	ug/L		06/20/25 07:47	06/20/25 16:42	1
Endosulfan II (Beta)	<0.098		0.098	ug/L		06/20/25 07:47	06/20/25 16:42	1
Endosulfan sulfate	<0.098		0.098	ug/L		06/20/25 07:47	06/20/25 16:42	1
Endrin	<0.0098		0.0098	ug/L		06/20/25 07:47	06/20/25 16:42	1
Endrin aldehyde	<0.098		0.098	ug/L		06/20/25 07:47	06/20/25 16:42	1
EPTC	<0.098		0.098	ug/L		06/20/25 07:47	06/20/25 16:42	1
Fluoranthene	<0.098		0.098	ug/L		06/20/25 07:47	06/20/25 16:42	1
Fluorene	<0.049		0.049	ug/L		06/20/25 07:47	06/20/25 16:42	1
gamma-Chlordane	<0.049		0.049	ug/L		06/20/25 07:47	06/20/25 16:42	1
Heptachlor	<0.0098		0.0098	ug/L		06/20/25 07:47	06/20/25 16:42	1
Heptachlor epoxide (isomer B)	<0.0098		0.0098	ug/L		06/20/25 07:47	06/20/25 16:42	1
Hexachlorobenzene	<0.049		0.049	ug/L		06/20/25 07:47	06/20/25 16:42	1
Hexachlorocyclopentadiene	<0.049		0.049	ug/L		06/20/25 07:47	06/20/25 16:42	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049	ug/L		06/20/25 07:47	06/20/25 16:42	1
Isophorone	<0.098		0.098	ug/L		06/20/25 07:47	06/20/25 16:42	1
Lindane	<0.0098		0.0098	ug/L		06/20/25 07:47	06/20/25 16:42	1
Malathion	<0.098		0.098	ug/L		06/20/25 07:47	06/20/25 16:42	1
Methoxychlor	<0.049		0.049	ug/L		06/20/25 07:47	06/20/25 16:42	1
Metolachlor	<0.049		0.049	ug/L		06/20/25 07:47	06/20/25 16:42	1
Molinate	<0.098		0.098	ug/L		06/20/25 07:47	06/20/25 16:42	1
Naphthalene	<0.098		0.098	ug/L		06/20/25 07:47	06/20/25 16:42	1
Parathion	<0.098		0.098	ug/L		06/20/25 07:47	06/20/25 16:42	1
Pendimethalin (Penoxaline)	<0.098		0.098	ug/L		06/20/25 07:47	06/20/25 16:42	1
Phenanthrene	<0.039		0.039	ug/L		06/20/25 07:47	06/20/25 16:42	1
Propachlor	<0.049		0.049	ug/L		06/20/25 07:47	06/20/25 16:42	1
Pyrene	<0.049		0.049	ug/L		06/20/25 07:47	06/20/25 16:42	1
Simazine	<0.049		0.049	ug/L		06/20/25 07:47	06/20/25 16:42	1
Terbacil	<0.098		0.098	ug/L		06/20/25 07:47	06/20/25 16:42	1
Terbutylazine	<0.098		0.098	ug/L		06/20/25 07:47	06/20/25 16:42	1
Thiobencarb	<0.098		0.098	ug/L		06/20/25 07:47	06/20/25 16:42	1
Total Permethrin (mixed isomers)	<0.20		0.20	ug/L		06/20/25 07:47	06/20/25 16:42	1
trans-Nonachlor	<0.049		0.049	ug/L		06/20/25 07:47	06/20/25 16:42	1
Trifluralin	<0.098		0.098	ug/L		06/20/25 07:47	06/20/25 16:42	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A	06/20/25 07:47	06/20/25 16:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	111		70 - 130	06/20/25 07:47	06/20/25 16:42	1
Perylene-d12	88		70 - 130	06/20/25 07:47	06/20/25 16:42	1
Triphenylphosphate	90		70 - 130	06/20/25 07:47	06/20/25 16:42	1

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Client Sample Results

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

Job ID: 380-156259-1
SDG: Weekly: Halawa Shaft Viewing Pool/Aiea Gulch Wells
Pump 2

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

Lab Sample ID: 380-156259-3

Date Collected: 06/17/25 10:55

Matrix: Drinking Water

Date Received: 06/19/25 10:14

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		06/20/25 04:21	06/29/25 21:29	1
2-Methylnaphthalene	<0.19		0.19	ug/L		06/20/25 04:21	06/29/25 21:29	1
Acenaphthene	<0.19		0.19	ug/L		06/20/25 04:21	06/29/25 21:29	1
Acenaphthylene	<0.19		0.19	ug/L		06/20/25 04:21	06/29/25 21:29	1
Anthracene	<0.19		0.19	ug/L		06/20/25 04:21	06/29/25 21:29	1
Benzo[a]anthracene	<0.19		0.19	ug/L		06/20/25 04:21	06/29/25 21:29	1
Benzo[a]pyrene	<0.19		0.19	ug/L		06/20/25 04:21	06/29/25 21:29	1
Benzo[b]fluoranthene	<0.19		0.19	ug/L		06/20/25 04:21	06/29/25 21:29	1
Benzo[g,h,i]perylene	<0.19		0.19	ug/L		06/20/25 04:21	06/29/25 21:29	1
Benzo[k]fluoranthene	<0.19		0.19	ug/L		06/20/25 04:21	06/29/25 21:29	1
Chrysene	<0.19		0.19	ug/L		06/20/25 04:21	06/29/25 21:29	1
Dibenz(a,h)anthracene	<0.19		0.19	ug/L		06/20/25 04:21	06/29/25 21:29	1
Fluoranthene	<0.19		0.19	ug/L		06/20/25 04:21	06/29/25 21:29	1
Fluorene	<0.19		0.19	ug/L		06/20/25 04:21	06/29/25 21:29	1
Indeno[1,2,3-cd]pyrene	<0.19		0.19	ug/L		06/20/25 04:21	06/29/25 21:29	1
Naphthalene	<0.19		0.19	ug/L		06/20/25 04:21	06/29/25 21:29	1
Phenanthrene	<0.19		0.19	ug/L		06/20/25 04:21	06/29/25 21:29	1
Pyrene	<0.19		0.19	ug/L		06/20/25 04:21	06/29/25 21:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	95		28 - 127	06/20/25 04:21	06/29/25 21:29	1
2-Fluorobiphenyl (Surr)	93		31 - 120	06/20/25 04:21	06/29/25 21:29	1
2-Fluorophenol (Surr)	52		17 - 120	06/20/25 04:21	06/29/25 21:29	1
Nitrobenzene-d5 (Surr)	86		27 - 120	06/20/25 04:21	06/29/25 21:29	1
Phenol-d6 (Surr)	30		10 - 120	06/20/25 04:21	06/29/25 21:29	1
p-Terphenyl-d14 (Surr)	96		45 - 120	06/20/25 04:21	06/29/25 21:29	1

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

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Cyclohexane, 1-methyl-2-propyl-	8.3	T J N	ug/L		2.71	4291-79-6	06/20/25 04:21	06/30/25 17:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	67		33 - 139	06/20/25 04:21	06/30/25 17:31	1
2-Fluorobiphenyl (Surr)	88		33 - 126	06/20/25 04:21	06/30/25 17:31	1
2-Fluorophenol (Surr)	52		12 - 120	06/20/25 04:21	06/30/25 17:31	1
Nitrobenzene-d5 (Surr)	90		36 - 120	06/20/25 04:21	06/30/25 17:31	1
Phenol-d6 (Surr)	30		10 - 120	06/20/25 04:21	06/30/25 17:31	1
p-Terphenyl-d14 (Surr)	85		47 - 131	06/20/25 04:21	06/30/25 17:31	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			06/26/25 20:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		38 - 134		06/26/25 20:21	1

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Client Sample Results

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

Job ID: 380-156259-1
SDG: Weekly: Halawa Shaft Viewing Pool/Aiea Gulch Wells
Pump 2

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

Lab Sample ID: 380-156259-3

Date Collected: 06/17/25 10:55

Matrix: Drinking Water

Date Received: 06/19/25 10:14

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<26		26	ug/L		06/23/25 14:13	06/30/25 21:46	1
Motor Oil Range Organics [C24-C36]	<26		26	ug/L		06/23/25 14:13	06/30/25 21:46	1
C8-C18	<26		26	ug/L		06/23/25 14:13	06/30/25 21:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	104		60 - 130	06/23/25 14:13	06/30/25 21:46	1

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

Lab Sample ID: 380-156259-4

Date Collected: 06/17/25 10:55

Matrix: Drinking Water

Date Received: 06/19/25 10:14

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			06/26/25 15:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		38 - 134		06/26/25 15:20	1

Action Limit Summary

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

Job ID: 380-156259-1
SDG: Weekly: Halawa Shaft Viewing Pool/Aiea Gulch Wells
Pump 2

Client Sample ID: Halawa Shaft Viewing Pool

Lab Sample ID: 380-156259-1

Compliance Check

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

Analyte	Result	Qualifier	Unit	EPAMCL	RL	Method	Prep Type
				Limit			
Alachlor	<0.048		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

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

Lab Sample ID: 380-156259-3

Compliance Check

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

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

Surrogate Summary

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

Job ID: 380-156259-1
SDG: Weekly: Halawa Shaft Viewing Pool/Aiea Gulch Wells
Pump 2

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

Matrix: Drinking Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		2NMX (70-130)	PRY (70-130)	TPP (70-130)
380-156259-1	Halawa Shaft Viewing Pool	110	87	89
380-156259-1 DU	Halawa Shaft Viewing Pool	109	94	92
380-156259-3	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	111	88	90

Surrogate Legend

2NMX = 2-Nitro-m-xylene

PRY = Perylene-d12

TPP = Triphenylphosphate

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		2NMX (70-130)	PRY (70-130)	TPP (70-130)
380-156247-E-2-A MS	Matrix Spike	111	94	94
LCS 380-158989/23-A	Lab Control Sample	108	96	93
LCSD 380-158989/24-A	Lab Control Sample Dup	109	95	94
MB 380-158989/21-A	Method Blank	108	88	89
MRL 380-158989/22-A	Lab Control Sample	108	89	91

Surrogate Legend

2NMX = 2-Nitro-m-xylene

PRY = Perylene-d12

TPP = Triphenylphosphate

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

Matrix: Drinking Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (33-139)	FBP (33-126)	2FP (12-120)	NBZ (36-120)	PHL6 (10-120)	TPHd14 (47-131)
380-156259-1	Halawa Shaft Viewing Pool	58	80	44	80	25	82
380-156259-3	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	67	88	52	90	30	85

Surrogate Legend

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

FBP = 2-Fluorobiphenyl (Surr)

2FP = 2-Fluorophenol (Surr)

NBZ = Nitrobenzene-d5 (Surr)

PHL6 = Phenol-d6 (Surr)

TPHd14 = p-Terphenyl-d14 (Surr)

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (33-139)	FBP (33-126)	2FP (12-120)	NBZ (36-120)	PHL6 (10-120)	TPHd14 (47-131)
MB 570-586237/1-A	Method Blank	60	75	48	79	26	77

Eurofins Eaton Analytical Pomona

Surrogate Summary

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

Job ID: 380-156259-1
SDG: Weekly: Halawa Shaft Viewing Pool/Aiea Gulch Wells
Pump 2

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: Drinking 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)
380-156259-1	Halawa Shaft Viewing Pool	84	84	44	75	25	90
380-156259-3	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	95	93	52	86	30	96

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)
LCS 570-586237/2-A	Lab Control Sample	82	87	56	68	34	89
LCSD 570-586237/3-A	Lab Control Sample Dup	75	77	51	64	32	79
MB 570-586237/1-A	Method Blank	65	73	42	70	25	81

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL6 = Phenol-d6 (Surr)
TPHD14 = p-Terphenyl-d14 (Surr)

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

Matrix: Drinking Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		BFB1 (38-134)					
380-156259-1	Halawa Shaft Viewing Pool	80					
380-156259-2	TB: Halawa Shaft Viewing Pool	81					
380-156259-3	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	80					
380-156259-4	TB: AIEA GULCH WELLS PUMP 2 (331-202-TP072)	83					

Surrogate Legend

Eurofins Eaton Analytical Pomona

Surrogate Summary

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

Job ID: 380-156259-1
SDG: Weekly: Halawa Shaft Viewing Pool/Aiea Gulch Wells
Pump 2

BFB = 4-Bromofluorobenzene (Surr)

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)
380-155987-A-1 MS	Matrix Spike	88
380-155987-A-1 MSD	Matrix Spike Duplicate	88
LCS 570-589729/4	Lab Control Sample	90
LCSD 570-589729/5	Lab Control Sample Dup	88
MB 570-589729/6	Method Blank	78
MRL 570-589729/3	Lab Control Sample	78

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

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

Matrix: Drinking Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	OTCSN1 (60-130)
380-156259-1	Halawa Shaft Viewing Pool	97
380-156259-3	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	104

Surrogate Legend

OTCSN = n-Octacosane (Surr)

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	OTCSN1 (60-130)
380-155987-C-1-A MS	Matrix Spike	102
380-155987-C-1-B MSD	Matrix Spike Duplicate	112
LCS 570-588177/2-A	Lab Control Sample	103
LCSD 570-588177/3-A	Lab Control Sample Dup	88
MB 570-588177/1-A	Method Blank	106
MRL 570-588177/4-A	Lab Control Sample	101

Surrogate Legend

OTCSN = n-Octacosane (Surr)

QC Sample Results

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

Job ID: 380-156259-1
SDG: Weekly: Halawa Shaft Viewing Pool/Aiea Gulch Wells
Pump 2

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

Lab Sample ID: MB 380-158989/21-A

Matrix: Water

Analysis Batch: 159067

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 158989

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.099		0.099	ug/L		06/20/25 07:47	06/20/25 15:42	1
2,4'-DDD	<0.099		0.099	ug/L		06/20/25 07:47	06/20/25 15:42	1
2,4'-DDE	<0.099		0.099	ug/L		06/20/25 07:47	06/20/25 15:42	1
2,4'-DDT	<0.099		0.099	ug/L		06/20/25 07:47	06/20/25 15:42	1
2,4-Dinitrotoluene	<0.099		0.099	ug/L		06/20/25 07:47	06/20/25 15:42	1
2,6-Dinitrotoluene	<0.099		0.099	ug/L		06/20/25 07:47	06/20/25 15:42	1
2-Methylnaphthalene	<0.099		0.099	ug/L		06/20/25 07:47	06/20/25 15:42	1
4,4'-DDD	<0.099		0.099	ug/L		06/20/25 07:47	06/20/25 15:42	1
4,4'-DDE	<0.099		0.099	ug/L		06/20/25 07:47	06/20/25 15:42	1
4,4'-DDT	<0.099		0.099	ug/L		06/20/25 07:47	06/20/25 15:42	1
Acenaphthene	<0.099		0.099	ug/L		06/20/25 07:47	06/20/25 15:42	1
Acenaphthylene	<0.099		0.099	ug/L		06/20/25 07:47	06/20/25 15:42	1
Acetochlor	<0.099		0.099	ug/L		06/20/25 07:47	06/20/25 15:42	1
Alachlor	<0.050		0.050	ug/L		06/20/25 07:47	06/20/25 15:42	1
alpha-BHC	<0.099		0.099	ug/L		06/20/25 07:47	06/20/25 15:42	1
alpha-Chlordane	<0.050		0.050	ug/L		06/20/25 07:47	06/20/25 15:42	1
Anthracene	<0.020		0.020	ug/L		06/20/25 07:47	06/20/25 15:42	1
Atrazine	<0.050		0.050	ug/L		06/20/25 07:47	06/20/25 15:42	1
Benz(a)anthracene	<0.050		0.050	ug/L		06/20/25 07:47	06/20/25 15:42	1
Benzo[a]pyrene	<0.020		0.020	ug/L		06/20/25 07:47	06/20/25 15:42	1
Benzo[b]fluoranthene	<0.020		0.020	ug/L		06/20/25 07:47	06/20/25 15:42	1
Benzo[g,h,i]perylene	<0.050		0.050	ug/L		06/20/25 07:47	06/20/25 15:42	1
Benzo[k]fluoranthene	<0.020		0.020	ug/L		06/20/25 07:47	06/20/25 15:42	1
beta-BHC	<0.099		0.099	ug/L		06/20/25 07:47	06/20/25 15:42	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59	ug/L		06/20/25 07:47	06/20/25 15:42	1
Bromacil	<0.099		0.099	ug/L		06/20/25 07:47	06/20/25 15:42	1
Butachlor	<0.050		0.050	ug/L		06/20/25 07:47	06/20/25 15:42	1
Butylbenzylphthalate	<0.50		0.50	ug/L		06/20/25 07:47	06/20/25 15:42	1
Chlorobenzilate	<0.099		0.099	ug/L		06/20/25 07:47	06/20/25 15:42	1
Chloroneb	<0.099		0.099	ug/L		06/20/25 07:47	06/20/25 15:42	1
Chlorothalonil (Draconil, Bravo)	<0.099		0.099	ug/L		06/20/25 07:47	06/20/25 15:42	1
Chlorpyrifos	<0.050		0.050	ug/L		06/20/25 07:47	06/20/25 15:42	1
Chrysene	<0.020		0.020	ug/L		06/20/25 07:47	06/20/25 15:42	1
delta-BHC	<0.099		0.099	ug/L		06/20/25 07:47	06/20/25 15:42	1
Di(2-ethylhexyl)adipate	<0.59		0.59	ug/L		06/20/25 07:47	06/20/25 15:42	1
Dibenz(a,h)anthracene	<0.050		0.050	ug/L		06/20/25 07:47	06/20/25 15:42	1
Diclorvos (DDVP)	<0.050		0.050	ug/L		06/20/25 07:47	06/20/25 15:42	1
Dieldrin	<0.0099		0.0099	ug/L		06/20/25 07:47	06/20/25 15:42	1
Diethylphthalate	<0.50		0.50	ug/L		06/20/25 07:47	06/20/25 15:42	1
Dimethylphthalate	<0.50		0.50	ug/L		06/20/25 07:47	06/20/25 15:42	1
Di-n-butyl phthalate	<0.99		0.99	ug/L		06/20/25 07:47	06/20/25 15:42	1
Di-n-octyl phthalate	<0.099		0.099	ug/L		06/20/25 07:47	06/20/25 15:42	1
Endosulfan I (Alpha)	<0.099		0.099	ug/L		06/20/25 07:47	06/20/25 15:42	1
Endosulfan II (Beta)	<0.099		0.099	ug/L		06/20/25 07:47	06/20/25 15:42	1
Endosulfan sulfate	<0.099		0.099	ug/L		06/20/25 07:47	06/20/25 15:42	1
Endrin	<0.0099		0.0099	ug/L		06/20/25 07:47	06/20/25 15:42	1
Endrin aldehyde	<0.099		0.099	ug/L		06/20/25 07:47	06/20/25 15:42	1

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QC Sample Results

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

Job ID: 380-156259-1
SDG: Weekly: Halawa Shaft Viewing Pool/Aiea Gulch Wells
Pump 2

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

Lab Sample ID: MB 380-158989/21-A

Matrix: Water

Analysis Batch: 159067

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 158989

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
EPTC	<0.099		0.099	ug/L		06/20/25 07:47	06/20/25 15:42	1
Fluoranthene	<0.099		0.099	ug/L		06/20/25 07:47	06/20/25 15:42	1
Fluorene	<0.050		0.050	ug/L		06/20/25 07:47	06/20/25 15:42	1
gamma-Chlordane	<0.050		0.050	ug/L		06/20/25 07:47	06/20/25 15:42	1
Heptachlor	<0.0099		0.0099	ug/L		06/20/25 07:47	06/20/25 15:42	1
Heptachlor epoxide (isomer B)	<0.0099		0.0099	ug/L		06/20/25 07:47	06/20/25 15:42	1
Hexachlorobenzene	<0.050		0.050	ug/L		06/20/25 07:47	06/20/25 15:42	1
Hexachlorocyclopentadiene	<0.050		0.050	ug/L		06/20/25 07:47	06/20/25 15:42	1
Indeno[1,2,3-cd]pyrene	<0.050		0.050	ug/L		06/20/25 07:47	06/20/25 15:42	1
Isophorone	<0.099		0.099	ug/L		06/20/25 07:47	06/20/25 15:42	1
Lindane	<0.0099		0.0099	ug/L		06/20/25 07:47	06/20/25 15:42	1
Malathion	<0.099		0.099	ug/L		06/20/25 07:47	06/20/25 15:42	1
Methoxychlor	<0.050		0.050	ug/L		06/20/25 07:47	06/20/25 15:42	1
Metolachlor	<0.050		0.050	ug/L		06/20/25 07:47	06/20/25 15:42	1
Molinate	<0.099		0.099	ug/L		06/20/25 07:47	06/20/25 15:42	1
Naphthalene	<0.099		0.099	ug/L		06/20/25 07:47	06/20/25 15:42	1
Parathion	<0.099		0.099	ug/L		06/20/25 07:47	06/20/25 15:42	1
Pendimethalin (Penoxaline)	<0.099		0.099	ug/L		06/20/25 07:47	06/20/25 15:42	1
Phenanthrene	<0.040		0.040	ug/L		06/20/25 07:47	06/20/25 15:42	1
Propachlor	<0.050		0.050	ug/L		06/20/25 07:47	06/20/25 15:42	1
Pyrene	<0.050		0.050	ug/L		06/20/25 07:47	06/20/25 15:42	1
Simazine	<0.050		0.050	ug/L		06/20/25 07:47	06/20/25 15:42	1
Terbacil	<0.099		0.099	ug/L		06/20/25 07:47	06/20/25 15:42	1
Terbutylazine	<0.099		0.099	ug/L		06/20/25 07:47	06/20/25 15:42	1
Thiobencarb	<0.099		0.099	ug/L		06/20/25 07:47	06/20/25 15:42	1
Total Permethrin (mixed isomers)	<0.20		0.20	ug/L		06/20/25 07:47	06/20/25 15:42	1
trans-Nonachlor	<0.050		0.050	ug/L		06/20/25 07:47	06/20/25 15:42	1
Trifluralin	<0.099		0.099	ug/L		06/20/25 07:47	06/20/25 15:42	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Decane	2.29	T J N	ug/L		2.74	124-18-5	06/20/25 07:47	06/20/25 15:42	1
9-Octadecenamide, (Z)-	1.29	T J N	ug/L		7.88	301-02-0	06/20/25 07:47	06/20/25 15:42	1
Unknown	1.01	T J	ug/L		10.44	N/A	06/20/25 07:47	06/20/25 15:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	108		70 - 130	06/20/25 07:47	06/20/25 15:42	1
Perylene-d12	88		70 - 130	06/20/25 07:47	06/20/25 15:42	1
Triphenylphosphate	89		70 - 130	06/20/25 07:47	06/20/25 15:42	1

Lab Sample ID: LCS 380-158989/23-A

Matrix: Water

Analysis Batch: 159067

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 158989

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	1.99	2.00		ug/L		101	70 - 130
2,4'-DDD	1.99	2.24		ug/L		113	70 - 130
2,4'-DDE	1.99	2.26		ug/L		114	70 - 130

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QC Sample Results

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

Job ID: 380-156259-1
SDG: Weekly: Halawa Shaft Viewing Pool/Aiea Gulch Wells
Pump 2

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

Lab Sample ID: LCS 380-158989/23-A

Matrix: Water

Analysis Batch: 159067

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 158989

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4'-DDT	1.99	2.06		ug/L		104	70 - 130
2,4-Dinitrotoluene	1.99	1.94		ug/L		97	70 - 130
2,6-Dinitrotoluene	1.99	2.00		ug/L		100	70 - 130
2-Methylnaphthalene	1.99	2.13		ug/L		107	70 - 130
4,4'-DDD	1.99	2.13		ug/L		107	70 - 130
4,4'-DDE	1.99	1.95		ug/L		98	70 - 130
4,4'-DDT	1.99	2.01		ug/L		101	70 - 130
Acenaphthene	1.99	2.11		ug/L		106	70 - 130
Acenaphthylene	1.99	2.22		ug/L		111	70 - 130
Acetochlor	1.99	2.36		ug/L		119	70 - 130
Alachlor	1.99	2.49		ug/L		125	70 - 130
alpha-BHC	1.99	2.40		ug/L		121	70 - 130
alpha-Chlordane	1.99	1.68		ug/L		85	70 - 130
Anthracene	1.99	2.21		ug/L		111	70 - 130
Atrazine	1.99	2.11		ug/L		106	70 - 130
Benz(a)anthracene	1.99	2.11		ug/L		106	70 - 130
Benzo[a]pyrene	1.99	2.20		ug/L		111	70 - 130
Benzo[b]fluoranthene	1.99	2.10		ug/L		105	70 - 130
Benzo[g,h,i]perylene	1.99	2.00		ug/L		101	70 - 130
Benzo[k]fluoranthene	1.99	2.08		ug/L		104	70 - 130
beta-BHC	1.99	2.41		ug/L		121	70 - 130
Bis(2-ethylhexyl) phthalate	1.99	2.31		ug/L		116	70 - 130
Bromacil	1.99	2.06		ug/L		104	70 - 130
Butachlor	1.99	2.39		ug/L		120	70 - 130
Butylbenzylphthalate	1.99	2.41		ug/L		121	70 - 130
Chlorobenzilate	1.99	2.51		ug/L		126	70 - 130
Chloroneb	1.99	2.06		ug/L		103	70 - 130
Chlorothalonil (Draconil, Bravo)	1.99	1.95		ug/L		98	70 - 130
Chlorpyrifos	1.99	2.35		ug/L		118	70 - 130
Chrysene	1.99	2.17		ug/L		109	70 - 130
delta-BHC	1.99	2.52		ug/L		127	70 - 130
Di(2-ethylhexyl)adipate	1.99	2.36		ug/L		119	70 - 130
Dibenz(a,h)anthracene	1.99	2.01		ug/L		101	70 - 130
Diclorvos (DDVP)	1.99	2.34		ug/L		118	70 - 130
Dieldrin	1.99	2.26		ug/L		114	70 - 130
Diethylphthalate	1.99	2.42		ug/L		122	70 - 130
Dimethylphthalate	1.99	2.30		ug/L		116	70 - 130
Di-n-butyl phthalate	3.98	4.60		ug/L		116	70 - 130
Di-n-octyl phthalate	1.99	2.18		ug/L		110	70 - 130
Endosulfan I (Alpha)	1.99	2.36		ug/L		119	70 - 130
Endosulfan II (Beta)	1.99	2.42		ug/L		122	70 - 130
Endosulfan sulfate	1.99	2.00		ug/L		101	70 - 130
Endrin	1.99	2.22		ug/L		112	70 - 130
Endrin aldehyde	1.99	1.76		ug/L		88	60 - 130
EPTC	1.99	2.29		ug/L		115	70 - 130
Fluoranthene	1.99	2.16		ug/L		109	70 - 130
Fluorene	1.99	2.14		ug/L		108	70 - 130
gamma-Chlordane	1.99	1.69		ug/L		85	70 - 130

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-156259-1
SDG: Weekly: Halawa Shaft Viewing Pool/Aiea Gulch Wells
Pump 2

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

Lab Sample ID: LCS 380-158989/23-A

Matrix: Water

Analysis Batch: 159067

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 158989

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Heptachlor	1.99	1.95		ug/L		98	70 - 130
Heptachlor epoxide (isomer B)	1.99	1.86		ug/L		93	70 - 130
Hexachlorobenzene	1.99	1.95		ug/L		98	70 - 130
Hexachlorocyclopentadiene	1.99	2.01		ug/L		101	70 - 130
Indeno[1,2,3-cd]pyrene	1.99	1.94		ug/L		98	70 - 130
Isophorone	1.99	2.32		ug/L		117	70 - 130
Lindane	1.99	2.26		ug/L		114	70 - 130
Malathion	1.99	2.09		ug/L		105	70 - 130
Methoxychlor	1.99	2.33		ug/L		117	70 - 130
Metolachlor	1.99	2.25		ug/L		113	70 - 130
Molinate	1.99	2.44		ug/L		123	70 - 130
Naphthalene	1.99	2.10		ug/L		106	70 - 130
Parathion	1.99	2.39		ug/L		120	70 - 130
Pendimethalin (Penoxaline)	1.99	1.86		ug/L		94	70 - 130
Phenanthrene	1.99	2.06		ug/L		104	70 - 130
Propachlor	1.99	2.51		ug/L		126	70 - 130
Pyrene	1.99	2.24		ug/L		112	70 - 130
Simazine	1.99	2.14		ug/L		108	70 - 130
Terbacil	1.99	2.31		ug/L		116	70 - 130
Terbutylazine	1.99	2.18		ug/L		110	70 - 130
Thiobencarb	1.99	2.26		ug/L		114	70 - 130
trans-Nonachlor	1.99	1.57		ug/L		79	70 - 130
Trifluralin	1.99	1.90		ug/L		96	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Nitro-m-xylene	108		70 - 130
Perylene-d12	96		70 - 130
Triphenylphosphate	93		70 - 130

Lab Sample ID: LCSD 380-158989/24-A

Matrix: Water

Analysis Batch: 159067

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 158989

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	1.99	1.97		ug/L		99	70 - 130	2	20
2,4'-DDD	1.99	2.20		ug/L		110	70 - 130	2	20
2,4'-DDE	1.99	2.21		ug/L		111	70 - 130	2	20
2,4'-DDT	1.99	2.00		ug/L		100	70 - 130	3	20
2,4-Dinitrotoluene	1.99	1.88		ug/L		94	70 - 130	3	20
2,6-Dinitrotoluene	1.99	1.93		ug/L		97	70 - 130	3	20
2-Methylnaphthalene	1.99	2.10		ug/L		105	70 - 130	2	20
4,4'-DDD	1.99	2.07		ug/L		104	70 - 130	3	20
4,4'-DDE	1.99	1.87		ug/L		94	70 - 130	4	20
4,4'-DDT	1.99	1.93		ug/L		97	70 - 130	4	20
Acenaphthene	1.99	2.09		ug/L		105	70 - 130	1	20
Acenaphthylene	1.99	2.27		ug/L		114	70 - 130	2	20
Acetochlor	1.99	2.32		ug/L		117	70 - 130	2	20

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-156259-1
SDG: Weekly: Halawa Shaft Viewing Pool/Aiea Gulch Wells
Pump 2

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

Lab Sample ID: LCSD 380-158989/24-A

Matrix: Water

Analysis Batch: 159067

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 158989

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Alachlor	1.99	2.46		ug/L		123	70 - 130	1	20
alpha-BHC	1.99	2.40		ug/L		120	70 - 130	0	20
alpha-Chlordane	1.99	1.63		ug/L		82	70 - 130	3	20
Anthracene	1.99	2.16		ug/L		109	70 - 130	2	20
Atrazine	1.99	2.07		ug/L		104	70 - 130	2	20
Benz(a)anthracene	1.99	2.01		ug/L		101	70 - 130	5	20
Benzo[a]pyrene	1.99	2.17		ug/L		109	70 - 130	1	20
Benzo[b]fluoranthene	1.99	2.12		ug/L		107	70 - 130	1	20
Benzo[g,h,i]perylene	1.99	1.98		ug/L		99	70 - 130	1	20
Benzo[k]fluoranthene	1.99	1.99		ug/L		100	70 - 130	4	20
beta-BHC	1.99	2.41		ug/L		121	70 - 130	0	20
Bis(2-ethylhexyl) phthalate	1.99	2.16		ug/L		109	70 - 130	6	20
Bromacil	1.99	2.02		ug/L		101	70 - 130	2	20
Butachlor	1.99	2.34		ug/L		117	70 - 130	2	20
Butylbenzylphthalate	1.99	2.40		ug/L		121	70 - 130	1	20
Chlorobenzilate	1.99	2.47		ug/L		124	70 - 130	2	20
Chloroneb	1.99	2.04		ug/L		103	70 - 130	1	20
Chlorothalonil (Draconil, Bravo)	1.99	1.99		ug/L		100	70 - 130	2	20
Chlorpyrifos	1.99	2.34		ug/L		118	70 - 130	0	20
Chrysene	1.99	2.10		ug/L		106	70 - 130	3	20
delta-BHC	1.99	2.49		ug/L		125	70 - 130	1	20
Di(2-ethylhexyl)adipate	1.99	2.21		ug/L		111	70 - 130	7	20
Dibenz(a,h)anthracene	1.99	1.95		ug/L		98	70 - 130	3	20
Diclorvos (DDVP)	1.99	2.29		ug/L		115	70 - 130	2	20
Dieldrin	1.99	2.26		ug/L		113	70 - 130	0	20
Diethylphthalate	1.99	2.37		ug/L		119	70 - 130	2	20
Dimethylphthalate	1.99	2.28		ug/L		114	70 - 130	1	20
Di-n-butyl phthalate	3.98	4.68		ug/L		118	70 - 130	2	20
Di-n-octyl phthalate	1.99	2.08		ug/L		105	70 - 130	5	20
Endosulfan I (Alpha)	1.99	2.35		ug/L		118	70 - 130	1	20
Endosulfan II (Beta)	1.99	2.38		ug/L		120	70 - 130	2	20
Endosulfan sulfate	1.99	1.97		ug/L		99	70 - 130	1	20
Endrin	1.99	2.22		ug/L		111	70 - 130	0	20
Endrin aldehyde	1.99	1.72		ug/L		87	60 - 130	2	20
EPTC	1.99	2.27		ug/L		114	70 - 130	1	20
Fluoranthene	1.99	2.10		ug/L		105	70 - 130	3	20
Fluorene	1.99	2.11		ug/L		106	70 - 130	1	20
gamma-Chlordane	1.99	1.65		ug/L		83	70 - 130	2	20
Heptachlor	1.99	1.99		ug/L		100	70 - 130	2	20
Heptachlor epoxide (isomer B)	1.99	1.79		ug/L		90	70 - 130	4	20
Hexachlorobenzene	1.99	1.95		ug/L		98	70 - 130	0	20
Hexachlorocyclopentadiene	1.99	2.02		ug/L		102	70 - 130	1	20
Indeno[1,2,3-cd]pyrene	1.99	1.87		ug/L		94	70 - 130	3	20
Isophorone	1.99	2.27		ug/L		114	70 - 130	2	20
Lindane	1.99	2.25		ug/L		113	70 - 130	1	20
Malathion	1.99	2.08		ug/L		105	70 - 130	0	20
Methoxychlor	1.99	2.27		ug/L		114	70 - 130	2	20
Metolachlor	1.99	2.24		ug/L		112	70 - 130	1	20

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-156259-1
SDG: Weekly: Halawa Shaft Viewing Pool/Aiea Gulch Wells
Pump 2

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

Lab Sample ID: LCSD 380-158989/24-A

Matrix: Water

Analysis Batch: 159067

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 158989

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Molinate	1.99	2.41		ug/L		121	70 - 130	1	20
Naphthalene	1.99	2.10		ug/L		106	70 - 130	0	20
Parathion	1.99	2.34		ug/L		118	70 - 130	2	20
Pendimethalin (Penoxaline)	1.99	1.86		ug/L		93	70 - 130	0	20
Phenanthrene	1.99	2.01		ug/L		101	70 - 130	2	20
Propachlor	1.99	2.53		ug/L		127	70 - 130	1	20
Pyrene	1.99	2.19		ug/L		110	70 - 130	2	20
Simazine	1.99	2.12		ug/L		107	70 - 130	1	20
Terbacil	1.99	2.26		ug/L		113	70 - 130	2	20
Terbutylazine	1.99	2.18		ug/L		109	70 - 130	0	20
Thiobencarb	1.99	2.23		ug/L		112	70 - 130	1	20
trans-Nonachlor	1.99	1.57		ug/L		79	70 - 130	0	20
Trifluralin	1.99	1.89		ug/L		95	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Nitro-m-xylene	109		70 - 130
Perylene-d12	95		70 - 130
Triphenylphosphate	94		70 - 130

Lab Sample ID: MRL 380-158989/22-A

Matrix: Water

Analysis Batch: 159067

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 158989

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	0.0994	0.115		ug/L		116	50 - 150
2,4'-DDD	0.0994	0.0924	J	ug/L		93	50 - 150
2,4'-DDE	0.0994	0.113		ug/L		113	50 - 150
2,4'-DDT	0.0994	0.113		ug/L		114	50 - 150
2,4-Dinitrotoluene	0.0994	0.106		ug/L		107	50 - 150
2,6-Dinitrotoluene	0.0994	0.132		ug/L		132	50 - 150
2-Methylnaphthalene	0.0994	0.116		ug/L		117	50 - 150
4,4'-DDD	0.0994	0.121		ug/L		122	50 - 150
4,4'-DDE	0.0994	0.0867	J	ug/L		87	50 - 150
4,4'-DDT	0.0994	0.120		ug/L		120	50 - 150
Acenaphthene	0.0994	0.103		ug/L		103	50 - 150
Acenaphthylene	0.0994	0.104		ug/L		104	50 - 150
Acetochlor	0.0994	0.134		ug/L		134	50 - 150
Alachlor	0.0497	0.0634		ug/L		128	50 - 150
alpha-BHC	0.0994	0.120		ug/L		121	50 - 150
alpha-Chlordane	0.0249	<0.029		ug/L		110	50 - 150
Anthracene	0.0199	0.0245		ug/L		123	50 - 150
Atrazine	0.0497	0.0564		ug/L		113	50 - 150
Benz(a)anthracene	0.0497	0.0568		ug/L		114	50 - 150
Benzo[a]pyrene	0.0199	0.0251		ug/L		126	50 - 150
Benzo[b]fluoranthene	0.0199	0.0253		ug/L		127	50 - 150
Benzo[g,h,i]perylene	0.0497	0.0548		ug/L		110	50 - 150
Benzo[k]fluoranthene	0.0199	0.0236		ug/L		119	50 - 150

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-156259-1
SDG: Weekly: Halawa Shaft Viewing Pool/Aiea Gulch Wells
Pump 2

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

Lab Sample ID: MRL 380-158989/22-A

Matrix: Water

Analysis Batch: 159067

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 158989

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
beta-BHC	0.0994	0.131		ug/L		132	50 - 150
Bis(2-ethylhexyl) phthalate	0.596	0.692		ug/L		116	50 - 150
Bromacil	0.0994	0.125		ug/L		126	50 - 150
Butachlor	0.0497	0.0713		ug/L		143	50 - 150
Butylbenzylphthalate	0.497	0.606		ug/L		122	50 - 150
Chlorobenzilate	0.0994	0.133		ug/L		133	50 - 150
Chloroneb	0.0994	0.112		ug/L		113	50 - 150
Chlorothalonil (Draconil, Bravo)	0.0994	0.0962	J	ug/L		97	50 - 150
Chlorpyrifos	0.0497	0.0582		ug/L		117	50 - 150
Chrysene	0.0199	0.0219		ug/L		110	50 - 150
delta-BHC	0.0994	0.129		ug/L		129	50 - 150
Di(2-ethylhexyl)adipate	0.596	0.689		ug/L		115	50 - 150
Dibenz(a,h)anthracene	0.0497	0.0578		ug/L		116	50 - 150
Diclorvos (DDVP)	0.0497	0.0671		ug/L		135	50 - 150
Dieldrin	0.00994	0.0142		ug/L		143	50 - 150
Diethylphthalate	0.497	0.607		ug/L		122	50 - 150
Dimethylphthalate	0.497	0.580		ug/L		117	50 - 150
Di-n-butyl phthalate	0.497	0.644	J	ug/L		130	49 - 243
Di-n-octyl phthalate	0.0994	0.112		ug/L		112	50 - 150
Endosulfan I (Alpha)	0.0994	0.110		ug/L		110	50 - 150
Endosulfan II (Beta)	0.0994	0.132		ug/L		133	50 - 150
Endosulfan sulfate	0.0994	0.112		ug/L		113	50 - 150
Endrin	0.00994	0.0115		ug/L		116	50 - 150
Endrin aldehyde	0.0994	0.0998		ug/L		100	50 - 150
EPTC	0.0994	0.107		ug/L		107	50 - 150
Fluoranthene	0.0994	0.107		ug/L		108	50 - 150
Fluorene	0.0497	0.0534		ug/L		107	50 - 150
gamma-Chlordane	0.0249	0.0237	J	ug/L		96	50 - 150
Heptachlor	0.00994	0.00967	J	ug/L		97	50 - 150
Heptachlor epoxide (isomer B)	0.00994	0.00997		ug/L		100	50 - 150
Hexachlorobenzene	0.0497	0.0443	J	ug/L		89	50 - 150
Hexachlorocyclopentadiene	0.0497	0.0484	J	ug/L		97	50 - 150
Indeno[1,2,3-cd]pyrene	0.0497	0.0507		ug/L		102	50 - 150
Isophorone	0.0994	0.138		ug/L		138	50 - 150
Lindane	0.00994	0.0132		ug/L		133	50 - 150
Malathion	0.0994	0.115		ug/L		116	50 - 150
Methoxychlor	0.0497	0.0674		ug/L		136	50 - 150
Metolachlor	0.0497	0.0690		ug/L		139	50 - 150
Molinate	0.0994	0.116		ug/L		117	50 - 150
Naphthalene	0.0994	0.105		ug/L		106	50 - 150
Parathion	0.0994	0.113		ug/L		113	50 - 150
Pendimethalin (Penoxaline)	0.0994	0.146		ug/L		147	50 - 150
Phenanthrene	0.0398	0.0434		ug/L		109	50 - 150
Propachlor	0.0497	0.0597		ug/L		120	50 - 150
Pyrene	0.0497	0.0549		ug/L		110	50 - 150
Simazine	0.0497	0.0643		ug/L		129	50 - 150
Terbacil	0.0994	0.130		ug/L		131	50 - 150
Terbutylazine	0.0994	0.116		ug/L		117	50 - 150

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-156259-1
SDG: Weekly: Halawa Shaft Viewing Pool/Aiea Gulch Wells
Pump 2

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

Lab Sample ID: MRL 380-158989/22-A

Matrix: Water

Analysis Batch: 159067

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 158989

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Thiobencarb	0.0994	0.122		ug/L		122	50 - 150
trans-Nonachlor	0.0249	0.0269	J	ug/L		108	50 - 150
Trifluralin	0.0994	0.105		ug/L		106	50 - 150

Surrogate	MRL %Recovery	MRL Qualifier	Limits
2-Nitro-m-xylene	108		70 - 130
Perylene-d12	89		70 - 130
Triphenylphosphate	91		70 - 130

Lab Sample ID: 380-156247-E-2-A MS

Matrix: Water

Analysis Batch: 159067

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 158989

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.097		1.95	1.97		ug/L		101	70 - 130
2,4'-DDD	<0.097		1.95	2.20		ug/L		113	70 - 130
2,4'-DDE	<0.097		1.95	2.19		ug/L		113	70 - 130
2,4'-DDT	<0.097		1.95	2.02		ug/L		104	70 - 130
2,4-Dinitrotoluene	<0.097		1.95	2.15		ug/L		111	70 - 130
2,6-Dinitrotoluene	<0.097		1.95	2.18		ug/L		112	70 - 130
2-Methylnaphthalene	<0.097		1.95	2.07		ug/L		107	70 - 130
4,4'-DDD	<0.097		1.95	2.08		ug/L		107	70 - 130
4,4'-DDE	<0.097		1.95	1.88		ug/L		97	70 - 130
4,4'-DDT	<0.097		1.95	1.96		ug/L		101	70 - 130
Acenaphthene	<0.097		1.95	2.07		ug/L		107	70 - 130
Acenaphthylene	<0.097		1.95	2.19		ug/L		112	70 - 130
Acetochlor	<0.097		1.95	2.34		ug/L		120	70 - 130
Alachlor	<0.049		1.95	2.45		ug/L		126	70 - 130
alpha-BHC	<0.097		1.95	2.36		ug/L		121	70 - 130
alpha-Chlordane	<0.049		1.95	1.62		ug/L		83	70 - 130
Anthracene	<0.019	F1	1.95	0.864	F1	ug/L		44	70 - 130
Atrazine	<0.049		1.95	2.15		ug/L		108	70 - 130
Benz(a)anthracene	<0.049		1.95	1.79		ug/L		92	70 - 130
Benzo[a]pyrene	<0.019		1.95	1.63		ug/L		84	70 - 130
Benzo[b]fluoranthene	<0.019		1.95	2.07		ug/L		107	70 - 130
Benzo[g,h,i]perylene	<0.049		1.95	1.98		ug/L		102	70 - 130
Benzo[k]fluoranthene	<0.019		1.95	2.06		ug/L		106	70 - 130
beta-BHC	<0.097		1.95	2.44		ug/L		125	70 - 130
Bis(2-ethylhexyl) phthalate	<0.58		1.95	2.19		ug/L		113	70 - 130
Bromacil	<0.097		1.95	2.28		ug/L		117	70 - 130
Butachlor	<0.049		1.95	2.36		ug/L		121	70 - 130
Butylbenzylphthalate	<0.49		1.95	2.37		ug/L		122	70 - 130
Chlorobenzilate	<0.097		1.95	2.51		ug/L		129	70 - 130
Chloroneb	<0.097		1.95	2.08		ug/L		107	70 - 130
Chlorothalonil (Draconil, Bravo)	<0.097		1.95	1.95		ug/L		100	70 - 130
Chlorpyrifos	<0.049		1.95	2.35		ug/L		121	70 - 130
Chrysene	<0.019		1.95	2.08		ug/L		107	70 - 130

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-156259-1
SDG: Weekly: Halawa Shaft Viewing Pool/Aiea Gulch Wells
Pump 2

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

Lab Sample ID: 380-156247-E-2-A MS

Matrix: Water

Analysis Batch: 159067

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 158989

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
delta-BHC	<0.097		1.95	2.47		ug/L		127	70 - 130
Di(2-ethylhexyl)adipate	<0.58		1.95	2.22		ug/L		114	70 - 130
Dibenz(a,h)anthracene	<0.049		1.95	1.98		ug/L		102	70 - 130
Diclorvos (DDVP)	<0.049		1.95	2.49		ug/L		128	70 - 130
Dieldrin	<0.0097		1.95	2.19		ug/L		113	70 - 130
Diethylphthalate	<0.49		1.95	2.58		ug/L		128	70 - 130
Dimethylphthalate	<0.49		1.95	2.35		ug/L		121	70 - 130
Di-n-butyl phthalate	<0.97		3.89	4.39		ug/L		105	70 - 130
Di-n-octyl phthalate	<0.097		1.95	2.05		ug/L		105	70 - 130
Endosulfan I (Alpha)	<0.097		1.95	2.30		ug/L		118	70 - 130
Endosulfan II (Beta)	<0.097		1.95	2.33		ug/L		120	70 - 130
Endosulfan sulfate	<0.097		1.95	1.95		ug/L		100	70 - 130
Endrin	<0.0097		1.95	2.24		ug/L		115	70 - 130
Endrin aldehyde	<0.097		1.95	1.53		ug/L		79	60 - 130
EPTC	<0.097		1.95	2.27		ug/L		117	70 - 130
Fluoranthene	<0.097		1.95	2.08		ug/L		107	70 - 130
Fluorene	<0.049		1.95	2.08		ug/L		107	70 - 130
gamma-Chlordane	<0.049		1.95	1.63		ug/L		84	70 - 130
Heptachlor	<0.0097		1.95	1.95		ug/L		100	70 - 130
Heptachlor epoxide (isomer B)	<0.0097		1.95	1.81		ug/L		93	70 - 130
Hexachlorobenzene	<0.049		1.95	1.90		ug/L		98	70 - 130
Hexachlorocyclopentadiene	<0.049		1.95	2.03		ug/L		104	70 - 130
Indeno[1,2,3-cd]pyrene	<0.049		1.95	1.99		ug/L		102	70 - 130
Isophorone	<0.097		1.95	2.36		ug/L		121	70 - 130
Lindane	<0.0097		1.95	2.28		ug/L		117	70 - 130
Malathion	<0.097		1.95	2.09		ug/L		108	70 - 130
Methoxychlor	<0.049		1.95	2.30		ug/L		118	70 - 130
Metolachlor	<0.049		1.95	2.24		ug/L		115	70 - 130
Molinate	<0.097		1.95	2.40		ug/L		123	70 - 130
Naphthalene	<0.097		1.95	2.10		ug/L		108	70 - 130
Parathion	<0.097		1.95	2.39		ug/L		123	70 - 130
Pendimethalin (Penoxaline)	<0.097		1.95	1.95		ug/L		100	70 - 130
Phenanthrene	<0.039		1.95	1.97		ug/L		101	70 - 130
Propachlor	<0.049	F1	1.95	2.57	F1	ug/L		132	70 - 130
Pyrene	<0.049		1.95	2.15		ug/L		111	70 - 130
Simazine	<0.049		1.95	2.20		ug/L		111	70 - 130
Terbacil	<0.097		1.95	2.44		ug/L		126	70 - 130
Terbutylazine	<0.097		1.95	2.22		ug/L		114	70 - 130
Thiobencarb	<0.097		1.95	2.22		ug/L		114	70 - 130
trans-Nonachlor	<0.049		1.95	1.53		ug/L		79	70 - 130
Trifluralin	<0.097		1.95	1.92		ug/L		99	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Nitro-m-xylene	111		70 - 130
Perylene-d12	94		70 - 130
Triphenylphosphate	94		70 - 130

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-156259-1
SDG: Weekly: Halawa Shaft Viewing Pool/Aiea Gulch Wells
Pump 2

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

Lab Sample ID: 380-156259-1 DU
Matrix: Drinking Water
Analysis Batch: 159067

Client Sample ID: Halawa Shaft Viewing Pool
Prep Type: Total/NA
Prep Batch: 158989

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
1-Methylnaphthalene	<0.097		<0.097		ug/L		NC	20
2,4'-DDD	<0.097		<0.097		ug/L		NC	20
2,4'-DDE	<0.097		<0.097		ug/L		NC	20
2,4'-DDT	<0.097		<0.097		ug/L		NC	20
2,4-Dinitrotoluene	<0.097		<0.097		ug/L		NC	20
2,6-Dinitrotoluene	<0.097		<0.097		ug/L		NC	20
2-Methylnaphthalene	<0.097		<0.097		ug/L		NC	20
4,4'-DDD	<0.097		<0.097		ug/L		NC	20
4,4'-DDE	<0.097		<0.097		ug/L		NC	20
4,4'-DDT	<0.097		<0.097		ug/L		NC	20
Acenaphthene	<0.097		<0.097		ug/L		NC	20
Acenaphthylene	<0.097		<0.097		ug/L		NC	20
Acetochlor	<0.097		<0.097		ug/L		NC	20
Alachlor	<0.048		<0.049		ug/L		NC	20
alpha-BHC	<0.097		<0.097		ug/L		NC	20
alpha-Chlordane	<0.048		<0.049		ug/L		NC	20
Anthracene	<0.019		<0.019		ug/L		NC	20
Atrazine	<0.048		<0.049		ug/L		NC	20
Benz(a)anthracene	<0.048		<0.049		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		<0.049		ug/L		NC	20
Benzo[k]fluoranthene	<0.019		<0.019		ug/L		NC	20
beta-BHC	<0.097		<0.097		ug/L		NC	20
Bis(2-ethylhexyl) phthalate	<0.58		<0.58		ug/L		NC	20
Bromacil	<0.097		<0.097		ug/L		NC	20
Butachlor	<0.048		<0.049		ug/L		NC	20
Butylbenzylphthalate	<0.48		<0.49		ug/L		NC	20
Chlorobenzilate	<0.097		<0.097		ug/L		NC	20
Chloroneb	<0.097		<0.097		ug/L		NC	20
Chlorothalonil (Draconil, Bravo)	<0.097		<0.097		ug/L		NC	20
Chlorpyrifos	<0.048		<0.049		ug/L		NC	20
Chrysene	<0.019		<0.019		ug/L		NC	20
delta-BHC	<0.097		<0.097		ug/L		NC	20
Di(2-ethylhexyl)adipate	<0.58		<0.58		ug/L		NC	20
Dibenz(a,h)anthracene	<0.048		<0.049		ug/L		NC	20
Diclorvos (DDVP)	<0.048		<0.049		ug/L		NC	20
Dieldrin	<0.0097		<0.0097		ug/L		NC	20
Diethylphthalate	<0.48		<0.49		ug/L		NC	20
Dimethylphthalate	<0.48		<0.49		ug/L		NC	20
Di-n-butyl phthalate	<0.97		<0.97		ug/L		NC	20
Di-n-octyl phthalate	<0.097		<0.097		ug/L		NC	20
Endosulfan I (Alpha)	<0.097		<0.097		ug/L		NC	20
Endosulfan II (Beta)	<0.097		<0.097		ug/L		NC	20
Endosulfan sulfate	<0.097		<0.097		ug/L		NC	20
Endrin	<0.0097		<0.0097		ug/L		NC	20
Endrin aldehyde	<0.097		<0.097		ug/L		NC	20

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-156259-1
SDG: Weekly: Halawa Shaft Viewing Pool/Aiea Gulch Wells
Pump 2

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

Lab Sample ID: 380-156259-1 DU

Matrix: Drinking Water

Analysis Batch: 159067

Client Sample ID: Halawa Shaft Viewing Pool

Prep Type: Total/NA

Prep Batch: 158989

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
EPTC	<0.097		<0.097		ug/L		NC	20
Fluoranthene	<0.097		<0.097		ug/L		NC	20
Fluorene	<0.048		<0.049		ug/L		NC	20
gamma-Chlordane	<0.048		<0.049		ug/L		NC	20
Heptachlor	<0.0097		<0.0097		ug/L		NC	20
Heptachlor epoxide (isomer B)	<0.0097		<0.0097		ug/L		NC	20
Hexachlorobenzene	<0.048		<0.049		ug/L		NC	20
Hexachlorocyclopentadiene	<0.048		<0.049		ug/L		NC	20
Indeno[1,2,3-cd]pyrene	<0.048		<0.049		ug/L		NC	20
Isophorone	<0.097		<0.097		ug/L		NC	20
Lindane	<0.0097		<0.0097		ug/L		NC	20
Malathion	<0.097		<0.097		ug/L		NC	20
Methoxychlor	<0.048		<0.049		ug/L		NC	20
Metolachlor	<0.048		<0.049		ug/L		NC	20
Molinate	<0.097		<0.097		ug/L		NC	20
Naphthalene	<0.097		<0.097		ug/L		NC	20
Parathion	<0.097		<0.097		ug/L		NC	20
Pendimethalin (Penoxaline)	<0.097		<0.097		ug/L		NC	20
Phenanthrene	<0.039		<0.039		ug/L		NC	20
Propachlor	<0.048		<0.049		ug/L		NC	20
Pyrene	<0.048		<0.049		ug/L		NC	20
Simazine	<0.048		<0.049		ug/L		NC	20
Terbacil	<0.097		<0.097		ug/L		NC	20
Terbutylazine	<0.097		<0.097		ug/L		NC	20
Thiobencarb	<0.097		<0.097		ug/L		NC	20
Total Permethrin (mixed isomers)	<0.19		<0.19		ug/L		NC	20
trans-Nonachlor	<0.048		<0.049		ug/L		NC	20
Trifluralin	<0.097		<0.097		ug/L		NC	20

Surrogate	%Recovery	Qualifier	Limits
2-Nitro-m-xylene	109		70 - 130
Perylene-d12	94		70 - 130
Triphenylphosphate	92		70 - 130

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

Lab Sample ID: MB 570-586237/1-A

Matrix: Water

Analysis Batch: 591118

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 586237

Tentatively Identified Compound	Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A	06/19/25 05:18	06/30/25 14:15	1

Surrogate	%Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	60		33 - 139	06/19/25 05:18	06/30/25 14:15	1
2-Fluorobiphenyl (Surr)	75		33 - 126	06/19/25 05:18	06/30/25 14:15	1
2-Fluorophenol (Surr)	48		12 - 120	06/19/25 05:18	06/30/25 14:15	1

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-156259-1
SDG: Weekly: Halawa Shaft Viewing Pool/Aiea Gulch Wells
Pump 2

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

Lab Sample ID: MB 570-586237/1-A

Matrix: Water

Analysis Batch: 591118

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 586237

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	79		36 - 120	06/19/25 05:18	06/30/25 14:15	1
Phenol-d6 (Surr)	26		10 - 120	06/19/25 05:18	06/30/25 14:15	1
p-Terphenyl-d14 (Surr)	77		47 - 131	06/19/25 05:18	06/30/25 14:15	1

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

Lab Sample ID: MB 570-586237/1-A

Matrix: Water

Analysis Batch: 590899

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 586237

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.20		0.20	ug/L		06/19/25 05:18	06/29/25 14:11	1
2-Methylnaphthalene	<0.20		0.20	ug/L		06/19/25 05:18	06/29/25 14:11	1
Acenaphthene	<0.20		0.20	ug/L		06/19/25 05:18	06/29/25 14:11	1
Acenaphthylene	<0.20		0.20	ug/L		06/19/25 05:18	06/29/25 14:11	1
Anthracene	<0.20		0.20	ug/L		06/19/25 05:18	06/29/25 14:11	1
Benzo[a]anthracene	<0.20		0.20	ug/L		06/19/25 05:18	06/29/25 14:11	1
Benzo[a]pyrene	<0.20		0.20	ug/L		06/19/25 05:18	06/29/25 14:11	1
Benzo[b]fluoranthene	<0.20		0.20	ug/L		06/19/25 05:18	06/29/25 14:11	1
Benzo[g,h,i]perylene	<0.20		0.20	ug/L		06/19/25 05:18	06/29/25 14:11	1
Benzo[k]fluoranthene	<0.20		0.20	ug/L		06/19/25 05:18	06/29/25 14:11	1
Chrysene	<0.20		0.20	ug/L		06/19/25 05:18	06/29/25 14:11	1
Dibenz(a,h)anthracene	<0.20		0.20	ug/L		06/19/25 05:18	06/29/25 14:11	1
Fluoranthene	<0.20		0.20	ug/L		06/19/25 05:18	06/29/25 14:11	1
Fluorene	<0.20		0.20	ug/L		06/19/25 05:18	06/29/25 14:11	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20	ug/L		06/19/25 05:18	06/29/25 14:11	1
Naphthalene	<0.20		0.20	ug/L		06/19/25 05:18	06/29/25 14:11	1
Phenanthrene	<0.20		0.20	ug/L		06/19/25 05:18	06/29/25 14:11	1
Pyrene	<0.20		0.20	ug/L		06/19/25 05:18	06/29/25 14:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	65		28 - 127	06/19/25 05:18	06/29/25 14:11	1
2-Fluorobiphenyl (Surr)	73		31 - 120	06/19/25 05:18	06/29/25 14:11	1
2-Fluorophenol (Surr)	42		17 - 120	06/19/25 05:18	06/29/25 14:11	1
Nitrobenzene-d5 (Surr)	70		27 - 120	06/19/25 05:18	06/29/25 14:11	1
Phenol-d6 (Surr)	25		10 - 120	06/19/25 05:18	06/29/25 14:11	1
p-Terphenyl-d14 (Surr)	81		45 - 120	06/19/25 05:18	06/29/25 14:11	1

Lab Sample ID: LCS 570-586237/2-A

Matrix: Water

Analysis Batch: 590899

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 586237

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	20.0	15.5		ug/L		78	47 - 120
2-Methylnaphthalene	20.0	15.1		ug/L		76	43 - 120
Acenaphthene	20.0	19.0		ug/L		95	60 - 132
Acenaphthylene	20.0	19.3		ug/L		96	54 - 126

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-156259-1
SDG: Weekly: Halawa Shaft Viewing Pool/Aiea Gulch Wells
Pump 2

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

Lab Sample ID: LCS 570-586237/2-A

Matrix: Water

Analysis Batch: 590899

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 586237

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Anthracene	20.0	18.9		ug/L		95	43 - 120
Benzo[a]anthracene	20.0	19.9		ug/L		99	42 - 133
Benzo[a]pyrene	20.0	20.1		ug/L		101	32 - 148
Benzo[b]fluoranthene	20.0	20.0		ug/L		100	42 - 140
Benzo[g,h,i]perylene	20.0	21.1		ug/L		106	1 - 195
Benzo[k]fluoranthene	20.0	21.2		ug/L		106	25 - 146
Chrysene	20.0	20.2		ug/L		101	44 - 140
Dibenz(a,h)anthracene	20.0	20.9		ug/L		105	1 - 200
Fluoranthene	20.0	20.1		ug/L		100	43 - 121
Fluorene	20.0	19.5		ug/L		97	70 - 120
Indeno[1,2,3-cd]pyrene	20.0	19.7		ug/L		98	1 - 151
Naphthalene	20.0	15.2		ug/L		76	36 - 120
Phenanthrene	20.0	19.3		ug/L		96	65 - 120
Pyrene	20.0	19.7		ug/L		99	70 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	82		28 - 127
2-Fluorobiphenyl (Surr)	87		31 - 120
2-Fluorophenol (Surr)	56		17 - 120
Nitrobenzene-d5 (Surr)	68		27 - 120
Phenol-d6 (Surr)	34		10 - 120
p-Terphenyl-d14 (Surr)	89		45 - 120

Lab Sample ID: LCSD 570-586237/3-A

Matrix: Water

Analysis Batch: 590899

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 586237

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	20.0	14.7		ug/L		73	47 - 120	6	20
2-Methylnaphthalene	20.0	14.2		ug/L		71	43 - 120	6	20
Acenaphthene	20.0	17.5		ug/L		87	60 - 132	8	29
Acenaphthylene	20.0	17.6		ug/L		88	54 - 126	9	45
Anthracene	20.0	17.2		ug/L		86	43 - 120	10	40
Benzo[a]anthracene	20.0	18.0		ug/L		90	42 - 133	10	32
Benzo[a]pyrene	20.0	18.5		ug/L		93	32 - 148	8	43
Benzo[b]fluoranthene	20.0	18.2		ug/L		91	42 - 140	9	43
Benzo[g,h,i]perylene	20.0	19.2		ug/L		96	1 - 195	9	61
Benzo[k]fluoranthene	20.0	19.4		ug/L		97	25 - 146	9	38
Chrysene	20.0	18.3		ug/L		91	44 - 140	10	53
Dibenz(a,h)anthracene	20.0	19.2		ug/L		96	1 - 200	9	75
Fluoranthene	20.0	18.2		ug/L		91	43 - 121	10	40
Fluorene	20.0	17.2		ug/L		86	70 - 120	12	23
Indeno[1,2,3-cd]pyrene	20.0	17.6		ug/L		88	1 - 151	11	60
Naphthalene	20.0	14.3		ug/L		72	36 - 120	6	39
Phenanthrene	20.0	17.6		ug/L		88	65 - 120	9	24
Pyrene	20.0	18.0		ug/L		90	70 - 120	9	30

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-156259-1
SDG: Weekly: Halawa Shaft Viewing Pool/Aiea Gulch Wells
Pump 2

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

Lab Sample ID: LCSD 570-586237/3-A

Matrix: Water

Analysis Batch: 590899

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 586237

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
2,4,6-Tribromophenol (Surr)	75		28 - 127
2-Fluorobiphenyl (Surr)	77		31 - 120
2-Fluorophenol (Surr)	51		17 - 120
Nitrobenzene d5 (Surr)	64		27 - 120
Phenol-d6 (Surr)	32		10 - 120
p-Terphenyl-d14 (Surr)	79		45 - 120

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

Lab Sample ID: MB 570-589729/6

Matrix: Water

Analysis Batch: 589729

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	Result	Qualifier		ug/L			06/26/25 12:45	1
	<10		10					
Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac		
4-Bromofluorobenzene (Surr)	%Recovery	Qualifier			06/26/25 12:45	1		
	78		38 - 134					

Lab Sample ID: LCS 570-589729/4

Matrix: Water

Analysis Batch: 589729

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec	Limits		
Gasoline Range Organics (C4-C13)	Added	Result	Qualifier	ug/L		102		78 - 120		
	400	409								
Surrogate	LCS	LCS	Limits							
4-Bromofluorobenzene (Surr)	%Recovery	Qualifier								
	90		38 - 134							

Lab Sample ID: LCSD 570-589729/5

Matrix: Water

Analysis Batch: 589729

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	Limits	RPD	RPD
Gasoline Range Organics (C4-C13)	Added	Result	Qualifier	ug/L		96		78 - 120	6	10
	400	384								
Surrogate	LCSD	LCSD	Limits							
4-Bromofluorobenzene (Surr)	%Recovery	Qualifier								
	88		38 - 134							

Lab Sample ID: MRL 570-589729/3

Matrix: Water

Analysis Batch: 589729

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike	MRL	MRL	Unit	D	%Rec	%Rec	Limits		
Gasoline Range Organics (C4-C13)	Added	Result	Qualifier	ug/L		118		50 - 150		
	10.0	11.8								

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-156259-1
SDG: Weekly: Halawa Shaft Viewing Pool/Aiea Gulch Wells
Pump 2

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

		MRL		MRL									
Surrogate		%Recovery		Qualifier		Limits							
4-Bromofluorobenzene (Surr)		78				38 - 134							
Lab Sample ID: 380-155987-A-1 MS												Client Sample ID: Matrix Spike	
Matrix: Water												Prep Type: Total/NA	
Analysis Batch: 589729													
Analyte		Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits			
Gasoline Range Organics (C4-C13)		<10	F1	400	437		ug/L		109	68 - 122			
		MS		MS									
Surrogate		%Recovery		Qualifier		Limits							
4-Bromofluorobenzene (Surr)		88				38 - 134							

Lab Sample ID: 380-155987-A-1 MSD				Client Sample ID: Matrix Spike Duplicate							
Matrix: Water				Prep Type: Total/NA							
Analysis Batch: 589729											
<i>Analyte</i>	<i>Sample Result</i>	<i>Sample Qualifier</i>	<i>Spike Added</i>	<i>MSD Result</i>	<i>MSD Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec Limits</i>	<i>RPD</i>	<i>RPD Limit</i>
Gasoline Range Organics (C4-C13)	<10	F1	400	445		ug/L		111	68 - 122	2	18
<i>Surrogate</i>	<i>%Recovery</i>	<i>MSD MSD Qualifier</i>	<i>Limits</i>								
4-Bromofluorobenzene (Surr)	88		38 - 134								

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

Lab Sample ID: MB 570-588177/1-A						Client Sample ID: Method Blank			
Matrix: Water						Prep Type: Total/NA			
Analysis Batch: 591393						Prep Batch: 588177			
	MB	MB							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Diesel Range Organics (C10-C24)	<25		25	ug/L		06/23/25 14:12	06/30/25 17:22	1	
Motor Oil Range Organics [C24-C36]	<25		25	ug/L		06/23/25 14:12	06/30/25 17:22	1	
C8-C18	<25		25	ug/L		06/23/25 14:12	06/30/25 17:22	1	
	MB	MB							
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
n-Octacosane (Surr)	106		60 - 130			06/23/25 14:12	06/30/25 17:22	1	

Lab Sample ID: LCS 570-588177/2-A				Client Sample ID: Lab Control Sample							
Matrix: Water				Prep Type: Total/NA							
Analysis Batch: 591393				Prep Batch: 588177							
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28			1600	1420		ug/L		89	56 - 127		
Surrogate		LCS %Recovery	LCS Qualifier	Limits							
n-Octacosane (Surr)		103		60 - 130							

QC Sample Results

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

Job ID: 380-156259-1
SDG: Weekly: Halawa Shaft Viewing Pool/Aiea Gulch Wells
Pump 2

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

Lab Sample ID: LCSD 570-588177/3-A

Matrix: Water

Analysis Batch: 591393

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 588177

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28			1600	1200		ug/L		75	56 - 127	17	23
Surrogate	%Recovery	LCSD Qualifier	Limits								
n-Octacosane (Surr)	88		60 - 130								

Lab Sample ID: MRL 570-588177/4-A

Matrix: Water

Analysis Batch: 591393

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 588177

			Spike	MRL	MRL				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
C10-C28			0.0200	0.0260		mg/L		130	50 - 150		
Surrogate	MRL	MRL									
	%Recovery	Qualifier	Limits								
n-Octacosane (Surr)	101		60 - 130								

Lab Sample ID: 380-155987-C-1-A MS

Matrix: Water

Analysis Batch: 591393

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 588177

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28	<27		1660	1350		ug/L		81	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
n-Octacosane (Surr)	102		60 - 130								

Lab Sample ID: 380-155987-C-1-B MSD

Matrix: Water

Analysis Batch: 591393

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 588177

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28	<27		1670	1590		ug/L		95	70 - 130	16	20
Surrogate	%Recovery	MSD Qualifier	Limits								
n-Octacosane (Surr)	112		60 - 130								

QC Association Summary

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

Job ID: 380-156259-1
SDG: Weekly: Halawa Shaft Viewing Pool/Aiea Gulch Wells
Pump 2

GC/MS Semi VOA

Prep Batch: 158989

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-156259-1	Halawa Shaft Viewing Pool	Total/NA	Drinking Water	525.2	
380-156259-3	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	525.2	
MB 380-158989/21-A	Method Blank	Total/NA	Water	525.2	
LCS 380-158989/23-A	Lab Control Sample	Total/NA	Water	525.2	
LCSD 380-158989/24-A	Lab Control Sample Dup	Total/NA	Water	525.2	
MRL 380-158989/22-A	Lab Control Sample	Total/NA	Water	525.2	
380-156247-E-2-A MS	Matrix Spike	Total/NA	Water	525.2	
380-156259-1 DU	Halawa Shaft Viewing Pool	Total/NA	Drinking Water	525.2	

Analysis Batch: 159067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-156259-1	Halawa Shaft Viewing Pool	Total/NA	Drinking Water	525.2	158989
380-156259-3	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	525.2	158989
MB 380-158989/21-A	Method Blank	Total/NA	Water	525.2	158989
LCS 380-158989/23-A	Lab Control Sample	Total/NA	Water	525.2	158989
LCSD 380-158989/24-A	Lab Control Sample Dup	Total/NA	Water	525.2	158989
MRL 380-158989/22-A	Lab Control Sample	Total/NA	Water	525.2	158989
380-156247-E-2-A MS	Matrix Spike	Total/NA	Water	525.2	158989
380-156259-1 DU	Halawa Shaft Viewing Pool	Total/NA	Drinking Water	525.2	158989

Prep Batch: 586237

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-156259-1	Halawa Shaft Viewing Pool	Total/NA	Drinking Water	625.1	
380-156259-3	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	625.1	
MB 570-586237/1-A	Method Blank	Total/NA	Water	625.1	
LCS 570-586237/2-A	Lab Control Sample	Total/NA	Water	625.1	
LCSD 570-586237/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	

Analysis Batch: 590899

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-156259-1	Halawa Shaft Viewing Pool	Total/NA	Drinking Water	625.1 SIM	586237
380-156259-3	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	625.1 SIM	586237
MB 570-586237/1-A	Method Blank	Total/NA	Water	625.1 SIM	586237
LCS 570-586237/2-A	Lab Control Sample	Total/NA	Water	625.1 SIM	586237
LCSD 570-586237/3-A	Lab Control Sample Dup	Total/NA	Water	625.1 SIM	586237

Analysis Batch: 591118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-156259-1	Halawa Shaft Viewing Pool	Total/NA	Drinking Water	625.1	586237
380-156259-3	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	625.1	586237
MB 570-586237/1-A	Method Blank	Total/NA	Water	625.1	586237

GC VOA

Analysis Batch: 589729

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-156259-1	Halawa Shaft Viewing Pool	Total/NA	Drinking Water	8015B GRO LL	
380-156259-2	TB: Halawa Shaft Viewing Pool	Total/NA	Drinking Water	8015B GRO LL	
380-156259-3	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	8015B GRO LL	
380-156259-4	TB: AIEA GULCH WELLS PUMP 2 (331-202-TPC	Total/NA	Drinking Water	8015B GRO LL	

Eurofins Eaton Analytical Pomona

QC Association Summary

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

Job ID: 380-156259-1
SDG: Weekly: Halawa Shaft Viewing Pool/Aiea Gulch Wells
Pump 2

GC VOA (Continued)

Analysis Batch: 589729 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-589729/6	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-589729/4	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-589729/5	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-589729/3	Lab Control Sample	Total/NA	Water	8015B GRO LL	
380-155987-A-1 MS	Matrix Spike	Total/NA	Water	8015B GRO LL	
380-155987-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B GRO LL	

GC Semi VOA

Prep Batch: 588177

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-156259-1	Halawa Shaft Viewing Pool	Total/NA	Drinking Water	3510C	
380-156259-3	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	3510C	
MB 570-588177/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-588177/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-588177/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MRL 570-588177/4-A	Lab Control Sample	Total/NA	Water	3510C	
380-155987-C-1-A MS	Matrix Spike	Total/NA	Water	3510C	
380-155987-C-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	

Analysis Batch: 591393

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-156259-1	Halawa Shaft Viewing Pool	Total/NA	Drinking Water	8015B	588177
380-156259-3	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	8015B	588177
MB 570-588177/1-A	Method Blank	Total/NA	Water	8015B	588177
LCS 570-588177/2-A	Lab Control Sample	Total/NA	Water	8015B	588177
LCSD 570-588177/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	588177
MRL 570-588177/4-A	Lab Control Sample	Total/NA	Water	8015B	588177
380-155987-C-1-A MS	Matrix Spike	Total/NA	Water	8015B	588177
380-155987-C-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	8015B	588177

Lab Chronicle

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

Job ID: 380-156259-1
SDG: Weekly: Halawa Shaft Viewing Pool/Aiea Gulch Wells
Pump 2

Client Sample ID: Halawa Shaft Viewing Pool

Lab Sample ID: 380-156259-1

Date Collected: 06/17/25 09:25

Matrix: Drinking Water

Date Received: 06/19/25 10:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			158989	OTM3	EA POM	06/20/25 07:47
Total/NA	Analysis	525.2		1	159067	Q8LA	EA POM	06/20/25 16:22
Total/NA	Prep	625.1			586237	H1SH	EET CAL 4	06/20/25 04:21
Total/NA	Analysis	625.1		1	591118	CG	EET CAL 4	06/30/25 17:06
Total/NA	Prep	625.1			586237	H1SH	EET CAL 4	06/20/25 04:21
Total/NA	Analysis	625.1 SIM		1	590899	PQS1	EET CAL 4	06/29/25 21:07
Total/NA	Analysis	8015B GRO LL		1	589729	A9VE	EET CAL 4	06/26/25 19:57
Total/NA	Prep	3510C			588177	TVD6	EET CAL 4	06/23/25 14:13
Total/NA	Analysis	8015B		1	591393	H6FE	EET CAL 4	06/30/25 21:24

Client Sample ID: TB: Halawa Shaft Viewing Pool

Lab Sample ID: 380-156259-2

Date Collected: 06/17/25 09:25

Matrix: Drinking Water

Date Received: 06/19/25 10:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015B GRO LL		1	589729	A9VE	EET CAL 4	06/26/25 14:56

Client Sample ID: AIEA GULCH WELLS PUMP 2

Lab Sample ID: 380-156259-3

(331-202-TP072)

Date Collected: 06/17/25 10:55

Matrix: Drinking Water

Date Received: 06/19/25 10:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			158989	OTM3	EA POM	06/20/25 07:47
Total/NA	Analysis	525.2		1	159067	Q8LA	EA POM	06/20/25 16:42
Total/NA	Prep	625.1			586237	H1SH	EET CAL 4	06/20/25 04:21
Total/NA	Analysis	625.1		1	591118	CG	EET CAL 4	06/30/25 17:31
Total/NA	Prep	625.1			586237	H1SH	EET CAL 4	06/20/25 04:21
Total/NA	Analysis	625.1 SIM		1	590899	PQS1	EET CAL 4	06/29/25 21:29
Total/NA	Analysis	8015B GRO LL		1	589729	A9VE	EET CAL 4	06/26/25 20:21
Total/NA	Prep	3510C			588177	TVD6	EET CAL 4	06/23/25 14:13
Total/NA	Analysis	8015B		1	591393	H6FE	EET CAL 4	06/30/25 21:46

Client Sample ID: TB: AIEA GULCH WELLS PUMP 2

Lab Sample ID: 380-156259-4

(331-202-TP072)

Date Collected: 06/17/25 10:55

Matrix: Drinking Water

Date Received: 06/19/25 10:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015B GRO LL		1	589729	A9VE	EET CAL 4	06/26/25 15:20

Laboratory References:

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

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

Eurofins Eaton Analytical Pomona

Accreditation/Certification Summary

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

Job ID: 380-156259-1
SDG: Weekly: Halawa Shaft Viewing Pool/Aiea Gulch Wells
Pump 2

Laboratory: Eurofins Eaton Analytical Pomona

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

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

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

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

Laboratory: Eurofins Calscience

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

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	7296.01	11-30-26
A2LA	ISO/IEC 17025	7296.01	11-30-26
Alaska (UST)	State	25-005	03-02-26
Arizona	State	AZ0830	11-16-25
Arkansas DEQ	State	88-01672	07-02-25

Eurofins Eaton Analytical Pomona

Accreditation/Certification Summary

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

Job ID: 380-156259-1
SDG: Weekly: Halawa Shaft Viewing Pool/Aiea Gulch Wells
Pump 2

Laboratory: Eurofins Calscience (Continued)

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

Authority	Program	Identification Number	Expiration Date
California	Los Angeles County Sanitation Districts	9257304	07-31-26
California	SCAQMD LAP	17LA0919	11-30-25
California	State	3082	07-31-25
Kansas	NELAP	E-10420	07-31-25
Nevada	State	CA00111	07-31-25
Oregon	NELAP	4175	02-02-26
USDA	US Federal Programs	525-23-159-97150	06-08-26
Utah	NELAP	CA00111	02-28-26
Washington	State	C916	10-11-25

Method Summary

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

Job ID: 380-156259-1
SDG: Weekly: Halawa Shaft Viewing Pool/Aiea Gulch Wells
Pump 2

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

Protocol References:

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

EPA = US Environmental Protection Agency

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

Laboratory References:

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

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

Sample Summary

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

Job ID: 380-156259-1
SDG: Weekly: Halawa Shaft Viewing Pool/Aiea Gulch Wells
Pump 2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
380-156259-1	Halawa Shaft Viewing Pool	Drinking Water	06/17/25 09:25	06/19/25 10:14
380-156259-2	TB: Halawa Shaft Viewing Pool	Drinking Water	06/17/25 09:25	06/19/25 10:14
380-156259-3	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Drinking Water	06/17/25 10:55	06/19/25 10:14
380-156259-4	TB: AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Drinking Water	06/17/25 10:55	06/19/25 10:14

Eurofins Eaton Analytical Pomona

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

Chain of Custody Record



Environment Testing

Client Information		Sampler: Olaf Happe/Jason Rakofsky		Lab PM: Arada, Rachelle		Carrier Tracking No(s)		COC No: 380-28005-2757 1									
Client Contact: Mr Kirk Iwamoto		Phone: +1 808 748 5840		E-Mail: Rachelle.Arada@et.eurofinsus.com		State of Origin:		Page: Page 1 of 1									
Company: City & County of Honolulu		PWSID:		Analysis Requested						Job #:							
Address: 630 South Beretania Street Chemistry Lab		Due Date Requested		Field Filtered Sample (Yes or No) ☒ Perform IISMSD (Yes or No) ☒ 625.1, 625.1, 8MM 8015B_GRO_LL - (MOD) GRO 8015B_DRO_LL_CS - HNL Ranges: C10-C24/C24-C36/C8-C18 525.2_PREC - (MOD) 525plus Plus TICs 537.1_DW_PREC - 537.1 Full List 533 - All Analytes						Total Number of Containers						Preservation Codes: R - NaThioSO4 RA - NaThio/HCl Q - Na2SO3 QA - Na2SO3/HCl Y - Trizma I - NH4 Acetate	
City: Honolulu		TAT Requested (days):														Other:	
State, Zip: HI, 96843		Compliance Project. ☐ Yes ☐ No															
Phone: 808-748-5840 (Tel)		PO #: C20525101 exp 05312023															
Email: kiwamoto@hbws.org		WO #:															
Project Name: RED-HILL/HBWS Sites Event Desc: RUSH Weekly Red Hill		Project #: 38001111															
Site: Hawaii		SSOWN#:															
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=waste/Oil, BT=tissue, Air)		Field Filtered Sample (Yes or No) ☒ Perform IISMSD (Yes or No) ☒ 625.1, 625.1, 8MM 8015B_GRO_LL - (MOD) GRO 8015B_DRO_LL_CS - HNL Ranges: C10-C24/C24-C36/C8-C18 525.2_PREC - (MOD) 525plus Plus TICs 537.1_DW_PREC - 537.1 Full List 533 - All Analytes		Total Number of Containers		Special Instructions/Note:			
Halawa Shaft Viewing Pool		17-Jun-2025		1925		G		Water		☒ R RA Q QA Y I							
Halawa Shaft Viewing Pool (Matrix Spike)						I		Water									
Halawa Shaft Viewing Pool (Matrix Spike Duplicate)						I		Water									
TB: Halawa Shaft Viewing Pool		17-Jun-2025				I		Water									
Aiea Gulch Pump 2		17-Jun-2025		1055		G		Water		☒ R RA Q QA Y I							
Aiea Gulch Pump 2 (Matrix Spike)						I		Water									
Aiea Gulch Pump 2 (Matrix Spike Duplicate)						I		Water									
TB: Aiea Gulch Pump 2		17-Jun-2025				I		Water									
Possible Hazard Identification		☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)													
Deliverable Requested I, II, III, IV, Other (specify)				☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months													
Empty Kit Relinquished by:		Date		Time		Special Instructions/QC Requirements											
Relinquished by:		6/18/25 1100		Date/Time:		Company:		Received by:		Date/Time:		Company:		FEA/EC 8821 3122 6639			
Relinquished by:				Date/Time:		Company:		Received by:		Date/Time:		Company:		8821 3122 6640			
Relinquished by:				Date/Time:		Company:		Received by:		Date/Time:		Company:		EEAP			
Custody Seals Intact. ☐ Yes ☐ No		Custody Seal No.		Cooler Temperature(s) °C and Other Remarks. (35A) ① 3.9 - 0.0 = 3.9 / ② 4.5 - 0.0 = 4.5 GEL FROZEN													

Eurofins Eaton Analytical Pomona

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

Chain of Custody Record



Environment Testing

Client Information		Sampler: Olaf Happe/Jason Rakofsky		Lab PM: Arada, Rachelle		Carrier Tracking No(s)		COC No: 380-28005-2757 1															
Client Contact: Mr Kirk Iwamoto		Phone: +1 808 748 5840		E-Mail: Rachelle.Arada@et.eurofinsus.com		State of Origin:		Page: Page 1 of 1															
Company: City & County of Honolulu		PWSID:		Analysis Requested						Job #:													
Address: 630 South Beretania Street Chemistry Lab		Due Date Requested		Field Filtered Sample (Yes or No) ☒ Perform IISMSD (Yes or No) ☒ 625.1, 625.1, 8M 8015B_GRO_LL - (MOD) GRO 8015B_DRO_LL_CS - HNL Ranges: C10-C24/C24-C36/C8-C18 525.2_PREC - (MOD) 525plus Plus TICs 537.1_DW_PREC - 537.1 Full List 533 - All Analytes						Preservation Codes: R - NaThioSO4 RA - NaThio/HCl Q - Na2SO3 QA - Na2SO3/HCl Y - Trizma I - NH4 Acetate													
City: Honolulu		TAT Requested (days):																					
State, Zip: HI, 96843		Compliance Project. ☐ Yes ☐ No																					
Phone: 808-748-5840 (Tel)		PO #: C20525101 exp 05312023																					
Email: kiwamoto@hbws.org		WO #:																					
Project Name: RED-HILL/HBWS Sites Event Desc: RUSH Weekly Red Hill		Project #: 38001111		Total Number of Containers						Other:													
Site: Hawaii		SSOWN#:																					
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=waste/Oil, BT=tissue, Air)		Field Filtered Sample (Yes or No) ☒ Perform IISMSD (Yes or No) ☒ 625.1, 625.1, 8M 8015B_GRO_LL - (MOD) GRO 8015B_DRO_LL_CS - HNL Ranges: C10-C24/C24-C36/C8-C18 525.2_PREC - (MOD) 525plus Plus TICs 537.1_DW_PREC - 537.1 Full List 533 - All Analytes		Special Instructions/Note:											
Halawa Shaft Viewing Pool		17-Jun-2025		1925		G		Water		☒ R ☒ RA ☒ Q ☒ QA ☒ Y ☒ I													
Halawa Shaft Viewing Pool (Matrix Spike)						I		Water															
Halawa Shaft Viewing Pool (Matrix Spike Duplicate)						I		Water															
TB: Halawa Shaft Viewing Pool		17-Jun-2025				I		Water															
Aiea Gulch Pump 2		17-Jun-2025		1055		G		Water		☒ R ☒ RA ☒ Q ☒ QA ☒ Y ☒ I													
Aiea Gulch Pump 2 (Matrix Spike)						I		Water															
Aiea Gulch Pump 2 (Matrix Spike Duplicate)						I		Water															
TB: Aiea Gulch Pump 2		17-Jun-2025				I		Water															
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological												Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months											
Deliverable Requested I, II, III, IV, Other (specify)												Special Instructions/QC Requirements											
Empty Kit Relinquished by: _____ Date: _____ Time: _____												Method of Shipment: FEDEX 8821 3122 6639 8821 3122 6640											
Relinquished by: _____ Date/Time: _____ Company: _____												Received by: _____ Date/Time: _____ Company: _____											
Relinquished by: _____ Date/Time: _____ Company: _____												Received by: _____ Date/Time: _____ Company: _____											
Relinquished by: _____ Date/Time: _____ Company: _____												Received by: _____ Date/Time: _____ Company: _____											
Custody Seals Intact. ☐ Yes ☐ No												Custody Seal No. _____											
Cooler Temperature(s) °C and Other Remarks: (35A) ① 3.9 - 0.0 = 3.9 ② 4.5 - 0.0 = 4.5												GEL FROZEN											

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Pomona, CA 91768-2842
Phone: 626-386-1100

Loc: 380
E 156259

380-156259 Chain of Custody

Possible Hazard Identification			Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		
Unconfirmed			☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months		
Deliverable Requested: I, II, III, IV, Other (specify)			Primary Deliverable Rank: 2		
Empty Kit Relinquished by:			Special Instructions/QC Requirements:		
Date:		Time:		Method of Shipment:	
Relinquished by: <i>Monica Blackmon</i>	Date/Time: <i>6/19/25 15:00</i>	Company: <i>ELAP</i>	Received by: <i>[Signature]</i>	Date/Time: <i>6/19/25 1500</i>	Company: <i>WP</i>
Relinquished by: <i>Erin Lemi</i>	Date/Time: <i>6/19/25 1555</i>	Company: <i>WP</i>	Received by: <i>[Signature]</i>	Date/Time: <i>6/19/25 1555</i>	Company: _____
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: <i>1.7 / 2.7 In92</i>		

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Note: Since laboratory accreditations are subject to change, Eurofins Eaton Analytical, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/matrix being analyzed, the samples must be shipped back to the Eurofins Eaton Analytical, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Eaton Analytical, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Eaton Analytical, LLC.

1.7 | 2.7 Inq2

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-156259-1

SDG Number: Weekly: Halawa Shaft Viewing Pool/Aiea Gulch Wells Pump 2

Login Number: 156259

List Source: Eurofins Eaton Analytical Pomona

List Number: 1

Creator: Segura, Ryan

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).	True	
Samples do not require splitting or compositing.	True	
Container provided by EEA	True	

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-156259-1

SDG Number: Weekly: Halawa Shaft Viewing Pool/Aiea Gulch Wells Pump 2

Login Number: 156259

List Number: 2

Creator: Khana, Piyush

List Source: Eurofins Calscience

List Creation: 06/19/25 05:51 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.7
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	