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ANALYTICAL REPORT

PREPARED FOR

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JOB DESCRIPTION

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

JOB NUMBER

380-185031-1

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: 380-185031-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
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.

GC Semi VOA

Qualifier	Qualifier Description
^3+	Reporting Limit Check Standard is outside acceptance limits, high biased

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: 380-185031-1

Job ID: 380-185031-1

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Job Narrative 380-185031-1

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

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

Receipt

The samples were received on 11/28/2025 10:12 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.0°C and 3.6°C.

GC/MS Semi VOA

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

Gasoline Range Organics

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

Diesel Range Organics

Method 8015B_DRO_LL_CS: The method reporting limit check (MRL) for preparation batch 570-663324 and analytical batch 570-666060 recovered outside control limits for the following analytes: C10-C28. These analytes were biased high in the MRL and were not detected in the associated samples; therefore, the data have been reported.

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

Detection Summary

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

Job ID: 380-185031-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

Lab Sample ID: 380-185031-1

No Detections.

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

Lab Sample ID: 380-185031-2

No Detections.

Client Sample ID: TB:AIEA GULCH WELLS P1 (331-201-TP071)

Lab Sample ID: 380-185031-3

No Detections.

Client Sample ID: TB:AIEA GULCH WELLS P2 (331-202-TP072)

Lab Sample ID: 380-185031-4

No Detections.

This Detection Summary does not include radiochemical test results.

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Client Sample Results

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

Job ID: 380-185031-1
 SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

Lab Sample ID: 380-185031-1

Date Collected: 11/24/25 11:37

Matrix: Drinking Water

Date Received: 11/28/25 10:12

PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.099		0.099	ug/L		12/01/25 15:35	12/02/25 15:37	1
2,4'-DDD	<0.099		0.099	ug/L		12/01/25 15:35	12/02/25 15:37	1
2,4'-DDE	<0.099		0.099	ug/L		12/01/25 15:35	12/02/25 15:37	1
2,4'-DDT	<0.099		0.099	ug/L		12/01/25 15:35	12/02/25 15:37	1
2,4-Dinitrotoluene	<0.099		0.099	ug/L		12/01/25 15:35	12/02/25 15:37	1
2,6-Dinitrotoluene	<0.099		0.099	ug/L		12/01/25 15:35	12/02/25 15:37	1
2-Methylnaphthalene	<0.099		0.099	ug/L		12/01/25 15:35	12/02/25 15:37	1
4,4'-DDD	<0.099		0.099	ug/L		12/01/25 15:35	12/02/25 15:37	1
4,4'-DDE	<0.099		0.099	ug/L		12/01/25 15:35	12/02/25 15:37	1
4,4'-DDT	<0.099		0.099	ug/L		12/01/25 15:35	12/02/25 15:37	1
Acenaphthene	<0.099		0.099	ug/L		12/01/25 15:35	12/02/25 15:37	1
Acenaphthylene	<0.099		0.099	ug/L		12/01/25 15:35	12/02/25 15:37	1
Acetochlor	<0.099		0.099	ug/L		12/01/25 15:35	12/02/25 15:37	1
Alachlor	<0.049		0.049	ug/L		12/01/25 15:35	12/02/25 15:37	1
alpha-BHC	<0.099		0.099	ug/L		12/01/25 15:35	12/02/25 15:37	1
alpha-Chlordane	<0.049		0.049	ug/L		12/01/25 15:35	12/02/25 15:37	1
Anthracene	<0.020		0.020	ug/L		12/01/25 15:35	12/02/25 15:37	1
Atrazine	<0.049		0.049	ug/L		12/01/25 15:35	12/02/25 15:37	1
Benz(a)anthracene	<0.049		0.049	ug/L		12/01/25 15:35	12/02/25 15:37	1
Benzo[a]pyrene	<0.020		0.020	ug/L		12/01/25 15:35	12/02/25 15:37	1
Benzo[b]fluoranthene	<0.020		0.020	ug/L		12/01/25 15:35	12/02/25 15:37	1
Benzo[g,h,i]perylene	<0.049		0.049	ug/L		12/01/25 15:35	12/02/25 15:37	1
Benzo[k]fluoranthene	<0.020		0.020	ug/L		12/01/25 15:35	12/02/25 15:37	1
beta-BHC	<0.099		0.099	ug/L		12/01/25 15:35	12/02/25 15:37	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59	ug/L		12/01/25 15:35	12/02/25 15:37	1
Bromacil	<0.099		0.099	ug/L		12/01/25 15:35	12/02/25 15:37	1
Butachlor	<0.049		0.049	ug/L		12/01/25 15:35	12/02/25 15:37	1
Butylbenzylphthalate	<0.49		0.49	ug/L		12/01/25 15:35	12/02/25 15:37	1
Chlorobenzilate	<0.099		0.099	ug/L		12/01/25 15:35	12/02/25 15:37	1
Chloroneb	<0.099		0.099	ug/L		12/01/25 15:35	12/02/25 15:37	1
Chlorothalonil (Draconil, Bravo)	<0.099		0.099	ug/L		12/01/25 15:35	12/02/25 15:37	1
Chlorpyrifos	<0.049		0.049	ug/L		12/01/25 15:35	12/02/25 15:37	1
Chrysene	<0.020		0.020	ug/L		12/01/25 15:35	12/02/25 15:37	1
delta-BHC	<0.099		0.099	ug/L		12/01/25 15:35	12/02/25 15:37	1
Di(2-ethylhexyl)adipate	<0.59		0.59	ug/L		12/01/25 15:35	12/02/25 15:37	1
Dibenz(a,h)anthracene	<0.049		0.049	ug/L		12/01/25 15:35	12/02/25 15:37	1
Diclorvos (DDVP)	<0.049		0.049	ug/L		12/01/25 15:35	12/02/25 15:37	1
Dieldrin	<0.0099		0.0099	ug/L		12/01/25 15:35	12/02/25 15:37	1
Diethylphthalate	<0.49		0.49	ug/L		12/01/25 15:35	12/02/25 15:37	1
Dimethylphthalate	<0.49		0.49	ug/L		12/01/25 15:35	12/02/25 15:37	1
Di-n-butyl phthalate	<0.99		0.99	ug/L		12/01/25 15:35	12/02/25 15:37	1
Di-n-octyl phthalate	<0.099		0.099	ug/L		12/01/25 15:35	12/02/25 15:37	1
Endosulfan I (Alpha)	<0.099		0.099	ug/L		12/01/25 15:35	12/02/25 15:37	1
Endosulfan II (Beta)	<0.099		0.099	ug/L		12/01/25 15:35	12/02/25 15:37	1
Endosulfan sulfate	<0.099		0.099	ug/L		12/01/25 15:35	12/02/25 15:37	1
Endrin	<0.0099		0.0099	ug/L		12/01/25 15:35	12/02/25 15:37	1
Endrin aldehyde	<0.099		0.099	ug/L		12/01/25 15:35	12/02/25 15:37	1
EPTC	<0.099		0.099	ug/L		12/01/25 15:35	12/02/25 15:37	1

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Client Sample Results

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

Job ID: 380-185031-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

Lab Sample ID: 380-185031-1

Date Collected: 11/24/25 11:37

Matrix: Drinking Water

Date Received: 11/28/25 10:12

PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	<0.099		0.099	ug/L		12/01/25 15:35	12/02/25 15:37	1
Fluorene	<0.049		0.049	ug/L		12/01/25 15:35	12/02/25 15:37	1
gamma-Chlordane	<0.049		0.049	ug/L		12/01/25 15:35	12/02/25 15:37	1
Heptachlor	<0.0099		0.0099	ug/L		12/01/25 15:35	12/02/25 15:37	1
Heptachlor epoxide (isomer B)	<0.0099		0.0099	ug/L		12/01/25 15:35	12/02/25 15:37	1
Hexachlorobenzene	<0.049		0.049	ug/L		12/01/25 15:35	12/02/25 15:37	1
Hexachlorocyclopentadiene	<0.049		0.049	ug/L		12/01/25 15:35	12/02/25 15:37	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049	ug/L		12/01/25 15:35	12/02/25 15:37	1
Isophorone	<0.099		0.099	ug/L		12/01/25 15:35	12/02/25 15:37	1
Lindane	<0.0099		0.0099	ug/L		12/01/25 15:35	12/02/25 15:37	1
Malathion	<0.099		0.099	ug/L		12/01/25 15:35	12/02/25 15:37	1
Methoxychlor	<0.049		0.049	ug/L		12/01/25 15:35	12/02/25 15:37	1
Metolachlor	<0.049		0.049	ug/L		12/01/25 15:35	12/02/25 15:37	1
Molinate	<0.099		0.099	ug/L		12/01/25 15:35	12/02/25 15:37	1
Naphthalene	<0.099		0.099	ug/L		12/01/25 15:35	12/02/25 15:37	1
Parathion	<0.099		0.099	ug/L		12/01/25 15:35	12/02/25 15:37	1
Pendimethalin (Penoxaline)	<0.099		0.099	ug/L		12/01/25 15:35	12/02/25 15:37	1
Phenanthrene	<0.039		0.039	ug/L		12/01/25 15:35	12/02/25 15:37	1
Propachlor	<0.049		0.049	ug/L		12/01/25 15:35	12/02/25 15:37	1
Pyrene	<0.049		0.049	ug/L		12/01/25 15:35	12/02/25 15:37	1
Simazine	<0.049		0.049	ug/L		12/01/25 15:35	12/02/25 15:37	1
Terbacil	<0.099		0.099	ug/L		12/01/25 15:35	12/02/25 15:37	1
Terbutylazine	<0.099		0.099	ug/L		12/01/25 15:35	12/02/25 15:37	1
Thiobencarb	<0.099		0.099	ug/L		12/01/25 15:35	12/02/25 15:37	1
Total Permethrin (mixed isomers)	<0.20		0.20	ug/L		12/01/25 15:35	12/02/25 15:37	1
trans-Nonachlor	<0.049		0.049	ug/L		12/01/25 15:35	12/02/25 15:37	1
Trifluralin	<0.099		0.099	ug/L		12/01/25 15:35	12/02/25 15:37	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A	12/01/25 15:35	12/02/25 15:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	97		70 - 130	12/01/25 15:35	12/02/25 15:37	1
Perylene-d12	93		70 - 130	12/01/25 15:35	12/02/25 15:37	1
Triphenylphosphate	110		70 - 130	12/01/25 15:35	12/02/25 15:37	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.19		0.19	ug/L		12/01/25 08:21	12/11/25 12:13	1
2-Methylnaphthalene	<0.19		0.19	ug/L		12/01/25 08:21	12/11/25 12:13	1
Acenaphthene	<0.19		0.19	ug/L		12/01/25 08:21	12/11/25 12:13	1
Acenaphthylene	<0.19		0.19	ug/L		12/01/25 08:21	12/11/25 12:13	1
Anthracene	<0.19		0.19	ug/L		12/01/25 08:21	12/11/25 12:13	1
Benzo[a]anthracene	<0.19		0.19	ug/L		12/01/25 08:21	12/11/25 12:13	1
Benzo[a]pyrene	<0.19		0.19	ug/L		12/01/25 08:21	12/11/25 12:13	1
Benzo[b]fluoranthene	<0.19		0.19	ug/L		12/01/25 08:21	12/11/25 12:13	1
Benzo[g,h,i]perylene	<0.19		0.19	ug/L		12/01/25 08:21	12/11/25 12:13	1
Benzo[k]fluoranthene	<0.19		0.19	ug/L		12/01/25 08:21	12/11/25 12:13	1
Chrysene	<0.19		0.19	ug/L		12/01/25 08:21	12/11/25 12:13	1

Eurofins Eaton Analytical Pomona

Client Sample Results

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

Job ID: 380-185031-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

Lab Sample ID: 380-185031-1

Date Collected: 11/24/25 11:37

Matrix: Drinking Water

Date Received: 11/28/25 10:12

PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	<0.19		0.19	ug/L		12/01/25 08:21	12/11/25 12:13	1
Fluoranthene	<0.19		0.19	ug/L		12/01/25 08:21	12/11/25 12:13	1
Fluorene	<0.19		0.19	ug/L		12/01/25 08:21	12/11/25 12:13	1
Indeno[1,2,3-cd]pyrene	<0.19		0.19	ug/L		12/01/25 08:21	12/11/25 12:13	1
Naphthalene	<0.19		0.19	ug/L		12/01/25 08:21	12/11/25 12:13	1
Phenanthrene	<0.19		0.19	ug/L		12/01/25 08:21	12/11/25 12:13	1
Pyrene	<0.19		0.19	ug/L		12/01/25 08:21	12/11/25 12:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	83		28 - 127			12/01/25 08:21	12/11/25 12:13	1
2-Fluorobiphenyl (Surr)	82		31 - 120			12/01/25 08:21	12/11/25 12:13	1
2-Fluorophenol (Surr)	48		17 - 120			12/01/25 08:21	12/11/25 12:13	1
Nitrobenzene-d5 (Surr)	80		27 - 120			12/01/25 08:21	12/11/25 12:13	1
Phenol-d6 (Surr)	30		10 - 120			12/01/25 08:21	12/11/25 12:13	1
p-Terphenyl-d14 (Surr)	76		45 - 120			12/01/25 08:21	12/11/25 12:13	1

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

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A	12/01/25 08:21	12/11/25 11:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	79		33 - 139				12/01/25 08:21	12/11/25 11:22	1
2-Fluorobiphenyl (Surr)	93		33 - 126				12/01/25 08:21	12/11/25 11:22	1
2-Fluorophenol (Surr)	48		12 - 120				12/01/25 08:21	12/11/25 11:22	1
Nitrobenzene-d5 (Surr)	90		36 - 120				12/01/25 08:21	12/11/25 11:22	1
Phenol-d6 (Surr)	29		10 - 120				12/01/25 08:21	12/11/25 11:22	1
p-Terphenyl-d14 (Surr)	89		47 - 131				12/01/25 08:21	12/11/25 11:22	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10	ug/L			12/07/25 19:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		38 - 134				12/07/25 19:12	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)	<27		27	ug/L		12/01/25 16:05	12/07/25 04:25	1
Motor Oil Range Organics [C24-C36]	<27		27	ug/L		12/01/25 16:05	12/07/25 04:25	1
C8-C18	<27		27	ug/L		12/01/25 16:05	12/07/25 04:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	104		60 - 130			12/01/25 16:05	12/07/25 04:25	1

Client Sample Results

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

Job ID: 380-185031-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

Lab Sample ID: 380-185031-2

Date Collected: 11/24/25 12:10

Matrix: Drinking Water

Date Received: 11/28/25 10:12

PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 15:57	1
2,4'-DDD	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 15:57	1
2,4'-DDE	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 15:57	1
2,4'-DDT	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 15:57	1
2,4-Dinitrotoluene	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 15:57	1
2,6-Dinitrotoluene	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 15:57	1
2-Methylnaphthalene	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 15:57	1
4,4'-DDD	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 15:57	1
4,4'-DDE	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 15:57	1
4,4'-DDT	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 15:57	1
Acenaphthene	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 15:57	1
Acenaphthylene	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 15:57	1
Acetochlor	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 15:57	1
Alachlor	<0.049		0.049	ug/L		12/01/25 15:35	12/02/25 15:57	1
alpha-BHC	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 15:57	1
alpha-Chlordane	<0.049		0.049	ug/L		12/01/25 15:35	12/02/25 15:57	1
Anthracene	<0.020		0.020	ug/L		12/01/25 15:35	12/02/25 15:57	1
Atrazine	<0.049		0.049	ug/L		12/01/25 15:35	12/02/25 15:57	1
Benz(a)anthracene	<0.049		0.049	ug/L		12/01/25 15:35	12/02/25 15:57	1
Benzo[a]pyrene	<0.020		0.020	ug/L		12/01/25 15:35	12/02/25 15:57	1
Benzo[b]fluoranthene	<0.020		0.020	ug/L		12/01/25 15:35	12/02/25 15:57	1
Benzo[g,h,i]perylene	<0.049		0.049	ug/L		12/01/25 15:35	12/02/25 15:57	1
Benzo[k]fluoranthene	<0.020		0.020	ug/L		12/01/25 15:35	12/02/25 15:57	1
beta-BHC	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 15:57	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59	ug/L		12/01/25 15:35	12/02/25 15:57	1
Bromacil	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 15:57	1
Butachlor	<0.049		0.049	ug/L		12/01/25 15:35	12/02/25 15:57	1
Butylbenzylphthalate	<0.49		0.49	ug/L		12/01/25 15:35	12/02/25 15:57	1
Chlorobenzilate	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 15:57	1
Chloroneb	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 15:57	1
Chlorothalonil (Draconil, Bravo)	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 15:57	1
Chlorpyrifos	<0.049		0.049	ug/L		12/01/25 15:35	12/02/25 15:57	1
Chrysene	<0.020		0.020	ug/L		12/01/25 15:35	12/02/25 15:57	1
delta-BHC	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 15:57	1
Di(2-ethylhexyl)adipate	<0.59		0.59	ug/L		12/01/25 15:35	12/02/25 15:57	1
Dibenz(a,h)anthracene	<0.049		0.049	ug/L		12/01/25 15:35	12/02/25 15:57	1
Diclorvos (DDVP)	<0.049		0.049	ug/L		12/01/25 15:35	12/02/25 15:57	1
Dieldrin	<0.0098		0.0098	ug/L		12/01/25 15:35	12/02/25 15:57	1
Diethylphthalate	<0.49		0.49	ug/L		12/01/25 15:35	12/02/25 15:57	1
Dimethylphthalate	<0.49		0.49	ug/L		12/01/25 15:35	12/02/25 15:57	1
Di-n-butyl phthalate	<0.98		0.98	ug/L		12/01/25 15:35	12/02/25 15:57	1
Di-n-octyl phthalate	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 15:57	1
Endosulfan I (Alpha)	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 15:57	1
Endosulfan II (Beta)	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 15:57	1
Endosulfan sulfate	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 15:57	1
Endrin	<0.0098		0.0098	ug/L		12/01/25 15:35	12/02/25 15:57	1
Endrin aldehyde	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 15:57	1
EPTC	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 15:57	1

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Client Sample Results

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

Job ID: 380-185031-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

Lab Sample ID: 380-185031-2

Date Collected: 11/24/25 12:10

Matrix: Drinking Water

Date Received: 11/28/25 10:12

PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Fluoranthene	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 15:57	1	
Fluorene	<0.049		0.049	ug/L		12/01/25 15:35	12/02/25 15:57	1	
gamma-Chlordane	<0.049		0.049	ug/L		12/01/25 15:35	12/02/25 15:57	1	
Heptachlor	<0.0098		0.0098	ug/L		12/01/25 15:35	12/02/25 15:57	1	
Heptachlor epoxide (isomer B)	<0.0098		0.0098	ug/L		12/01/25 15:35	12/02/25 15:57	1	
Hexachlorobenzene	<0.049		0.049	ug/L		12/01/25 15:35	12/02/25 15:57	1	
Hexachlorocyclopentadiene	<0.049		0.049	ug/L		12/01/25 15:35	12/02/25 15:57	1	
Indeno[1,2,3-cd]pyrene	<0.049		0.049	ug/L		12/01/25 15:35	12/02/25 15:57	1	
Isophorone	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 15:57	1	
Lindane	<0.0098		0.0098	ug/L		12/01/25 15:35	12/02/25 15:57	1	
Malathion	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 15:57	1	
Methoxychlor	<0.049		0.049	ug/L		12/01/25 15:35	12/02/25 15:57	1	
Metolachlor	<0.049		0.049	ug/L		12/01/25 15:35	12/02/25 15:57	1	
Molinate	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 15:57	1	
Naphthalene	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 15:57	1	
Parathion	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 15:57	1	
Pendimethalin (Penoxaline)	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 15:57	1	
Phenanthrene	<0.039		0.039	ug/L		12/01/25 15:35	12/02/25 15:57	1	
Propachlor	<0.049		0.049	ug/L		12/01/25 15:35	12/02/25 15:57	1	
Pyrene	<0.049		0.049	ug/L		12/01/25 15:35	12/02/25 15:57	1	
Simazine	<0.049		0.049	ug/L		12/01/25 15:35	12/02/25 15:57	1	
Terbacil	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 15:57	1	
Terbutylazine	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 15:57	1	
Thiobencarb	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 15:57	1	
Total Permethrin (mixed isomers)	<0.20		0.20	ug/L		12/01/25 15:35	12/02/25 15:57	1	
trans-Nonachlor	<0.049		0.049	ug/L		12/01/25 15:35	12/02/25 15:57	1	
Trifluralin	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 15:57	1	
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A	12/01/25 15:35	12/02/25 15:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	97		70 - 130				12/01/25 15:35	12/02/25 15:57	1
Perylene-d12	92		70 - 130				12/01/25 15:35	12/02/25 15:57	1
Triphenylphosphate	110		70 - 130				12/01/25 15:35	12/02/25 15:57	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.19		0.19	ug/L		12/01/25 08:21	12/11/25 12:35	1
2-Methylnaphthalene	<0.19		0.19	ug/L		12/01/25 08:21	12/11/25 12:35	1
Acenaphthene	<0.19		0.19	ug/L		12/01/25 08:21	12/11/25 12:35	1
Acenaphthylene	<0.19		0.19	ug/L		12/01/25 08:21	12/11/25 12:35	1
Anthracene	<0.19		0.19	ug/L		12/01/25 08:21	12/11/25 12:35	1
Benzo[a]anthracene	<0.19		0.19	ug/L		12/01/25 08:21	12/11/25 12:35	1
Benzo[a]pyrene	<0.19		0.19	ug/L		12/01/25 08:21	12/11/25 12:35	1
Benzo[b]fluoranthene	<0.19		0.19	ug/L		12/01/25 08:21	12/11/25 12:35	1
Benzo[g,h,i]perylene	<0.19		0.19	ug/L		12/01/25 08:21	12/11/25 12:35	1
Benzo[k]fluoranthene	<0.19		0.19	ug/L		12/01/25 08:21	12/11/25 12:35	1
Chrysene	<0.19		0.19	ug/L		12/01/25 08:21	12/11/25 12:35	1

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Client Sample Results

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

Job ID: 380-185031-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

Lab Sample ID: 380-185031-2

Date Collected: 11/24/25 12:10

Matrix: Drinking Water

Date Received: 11/28/25 10:12

PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	<0.19		0.19	ug/L		12/01/25 08:21	12/11/25 12:35	1
Fluoranthene	<0.19		0.19	ug/L		12/01/25 08:21	12/11/25 12:35	1
Fluorene	<0.19		0.19	ug/L		12/01/25 08:21	12/11/25 12:35	1
Indeno[1,2,3-cd]pyrene	<0.19		0.19	ug/L		12/01/25 08:21	12/11/25 12:35	1
Naphthalene	<0.19		0.19	ug/L		12/01/25 08:21	12/11/25 12:35	1
Phenanthrene	<0.19		0.19	ug/L		12/01/25 08:21	12/11/25 12:35	1
Pyrene	<0.19		0.19	ug/L		12/01/25 08:21	12/11/25 12:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	72		28 - 127			12/01/25 08:21	12/11/25 12:35	1
2-Fluorobiphenyl (Surr)	70		31 - 120			12/01/25 08:21	12/11/25 12:35	1
2-Fluorophenol (Surr)	40		17 - 120			12/01/25 08:21	12/11/25 12:35	1
Nitrobenzene-d5 (Surr)	68		27 - 120			12/01/25 08:21	12/11/25 12:35	1
Phenol-d6 (Surr)	26		10 - 120			12/01/25 08:21	12/11/25 12:35	1
p-Terphenyl-d14 (Surr)	75		45 - 120			12/01/25 08:21	12/11/25 12:35	1

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

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A	12/01/25 08:21	12/11/25 11:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	68		33 - 139				12/01/25 08:21	12/11/25 11:46	1
2-Fluorobiphenyl (Surr)	78		33 - 126				12/01/25 08:21	12/11/25 11:46	1
2-Fluorophenol (Surr)	40		12 - 120				12/01/25 08:21	12/11/25 11:46	1
Nitrobenzene-d5 (Surr)	77		36 - 120				12/01/25 08:21	12/11/25 11:46	1
Phenol-d6 (Surr)	24		10 - 120				12/01/25 08:21	12/11/25 11:46	1
p-Terphenyl-d14 (Surr)	83		47 - 131				12/01/25 08:21	12/11/25 11:46	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10	ug/L			12/07/25 20:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		38 - 134				12/07/25 20:16	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)	<27		27	ug/L		12/01/25 16:05	12/07/25 04:47	1
Motor Oil Range Organics [C24-C36]	<27		27	ug/L		12/01/25 16:05	12/07/25 04:47	1
C8-C18	<27		27	ug/L		12/01/25 16:05	12/07/25 04:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	117		60 - 130			12/01/25 16:05	12/07/25 04:47	1

Client Sample Results

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

Job ID: 380-185031-1
 SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

Client Sample ID: TB:AIEA GULCH WELLS P1 (331-201-TP071)

Lab Sample ID: 380-185031-3

Date Collected: 11/24/25 11:37

Matrix: Water

Date Received: 11/28/25 10:12

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10	ug/L			12/07/25 23:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		38 - 134				12/07/25 23:34	1

Client Sample ID: TB:AIEA GULCH WELLS P2 (331-202-TP072)

Lab Sample ID: 380-185031-4

Date Collected: 11/24/25 12:10

Matrix: Water

Date Received: 11/28/25 10:12

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10	ug/L			12/07/25 23:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		38 - 134				12/07/25 23:56	1



Action Limit Summary

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

Job ID: 380-185031-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

Lab Sample ID: 380-185031-1

Compliance Check

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

Analyte	Result	Qualifier	Unit	EPAMCL	RL	Method	Prep Type
				Limit			
Alachlor	<0.049		ug/L	2	0.049	525.2	Total/NA
Atrazine	<0.049		ug/L	3	0.049	525.2	Total/NA
Benzo[a]pyrene	<0.020		ug/L	0.2	0.020	525.2	Total/NA
Bis(2-ethylhexyl) phthalate	<0.59		ug/L	6	0.59	525.2	Total/NA
Di(2-ethylhexyl)adipate	<0.59		ug/L	400	0.59	525.2	Total/NA
Endrin	<0.0099		ug/L	2	0.0099	525.2	Total/NA
Heptachlor	<0.0099		ug/L	0.4	0.0099	525.2	Total/NA
Heptachlor epoxide (isomer B)	<0.0099		ug/L	0.2	0.0099	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	<0.0099		ug/L	0.2	0.0099	525.2	Total/NA
Methoxychlor	<0.049		ug/L	40	0.049	525.2	Total/NA
Simazine	<0.049		ug/L	4	0.049	525.2	Total/NA
Benzo[a]pyrene	<0.19		ug/L	0.2	0.19	625.1 SIM	Total/NA

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

Lab Sample ID: 380-185031-2

Compliance Check

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

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

Surrogate Summary

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

Job ID: 380-185031-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

Matrix: Drinking Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		2NMX (70-130)	PRY (70-130)	TPP (70-130)
380-185031-1	AIEA GULCH WELLS PUMP 1 (331	97	93	110
380-185031-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	97	92	110

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)
380-183853-AH-1-A MS	Matrix Spike	97	100	112
380-183862-AP-1-B DU	Duplicate	98	89	111
LCS 380-189282/22-A	Lab Control Sample	96	98	113
LCS 380-189282/23-A	Lab Control Sample Dup	96	99	113
MB 380-189282/20-A	Method Blank	97	89	109
MRL 380-189282/21-A	Lab Control Sample	97	90	106

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)
380-185031-1	AIEA GULCH WELLS PUMP 1 (331	79	93	48	90	29	89
380-185031-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	68	78	40	77	24	83

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 570-663011/1-A	Method Blank	75	84	53	89	33	83

Surrogate Summary

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

Job ID: 380-185031-1
SDG: Weekly: Aiea Gulch Wells Pump 1/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)
380-185031-1	AIEA GULCH WELLS PUMP 1 (331	83	82	48	80	30	76
380-185031-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	72	70	40	68	26	75

Surrogate Legend

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

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (28-127)	FBP (31-120)	2FP (17-120)	NBZ (27-120)	PHL6 (10-120)	TPHd14 (45-120)
380-185035-A-1-A MS	Matrix Spike	83	86	61	71	40	84
380-185035-A-1-B MSD	Matrix Spike Duplicate	81	79	53	65	35	84
LCS 570-663011/2-A	Lab Control Sample	85	84	63	71	43	85
LCS 570-663011/3-A	Lab Control Sample Dup	81	86	65	70	43	82
MB 570-663011/1-A	Method Blank	88	80	52	82	34	76

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)
380-185031-1	AIEA GULCH WELLS PUMP 1 (331	90
380-185031-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	90

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

Surrogate Summary

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

Job ID: 380-185031-1
 SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	BFB1 (38-134)
380-185031-3	TB:AIEA GULCH WELLS P1 (331-2	94
380-185031-4	TB:AIEA GULCH WELLS P2 (331-202-TP072)	91
380-185035-C-1 MS	Matrix Spike	91
380-185035-C-1 MSD	Matrix Spike Duplicate	91
LCS 570-666187/4	Lab Control Sample	83
LCSD 570 666187/5	Lab Control Sample Dup	85
MB 570-666187/6	Method Blank	87
MRL 570-666187/3	Lab Control Sample	81
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)
380-185031-1	AIEA GULCH WELLS PUMP 1 (331	104
380-185031-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	117
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)
380-185076-A-1-A MS	Matrix Spike	98
380-185076-B-1-A MSD	Matrix Spike Duplicate	115
LCS 570-663324/2-A	Lab Control Sample	109
LCSD 570-663324/3-A	Lab Control Sample Dup	106
MB 570-663324/1-A	Method Blank	99
MRL 570-663324/4-A	Lab Control Sample	117
Surrogate Legend		
OTCSN = n-Octacosane (Surr)		

QC Sample Results

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

Job ID: 380-185031-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

Lab Sample ID: MB 380-189282/20-A
Matrix: Water
Analysis Batch: 189489

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 189282

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
1-Methylnaphthalene	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 12:56	1
2,4'-DDD	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 12:56	1
2,4'-DDE	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 12:56	1
2,4'-DDT	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 12:56	1
2,4-Dinitrotoluene	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 12:56	1
2,6-Dinitrotoluene	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 12:56	1
2-Methylnaphthalene	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 12:56	1
4,4'-DDD	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 12:56	1
4,4'-DDE	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 12:56	1
4,4'-DDT	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 12:56	1
Acenaphthene	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 12:56	1
Acenaphthylene	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 12:56	1
Acetochlor	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 12:56	1
Alachlor	<0.049		0.049	ug/L		12/01/25 15:35	12/02/25 12:56	1
alpha-BHC	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 12:56	1
alpha-Chlordane	<0.049		0.049	ug/L		12/01/25 15:35	12/02/25 12:56	1
Anthracene	<0.020		0.020	ug/L		12/01/25 15:35	12/02/25 12:56	1
Atrazine	<0.049		0.049	ug/L		12/01/25 15:35	12/02/25 12:56	1
Benz(a)anthracene	<0.049		0.049	ug/L		12/01/25 15:35	12/02/25 12:56	1
Benzo[a]pyrene	<0.020		0.020	ug/L		12/01/25 15:35	12/02/25 12:56	1
Benzo[b]fluoranthene	<0.020		0.020	ug/L		12/01/25 15:35	12/02/25 12:56	1
Benzo[g,h,i]perylene	<0.049		0.049	ug/L		12/01/25 15:35	12/02/25 12:56	1
Benzo[k]fluoranthene	<0.020		0.020	ug/L		12/01/25 15:35	12/02/25 12:56	1
beta-BHC	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 12:56	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59	ug/L		12/01/25 15:35	12/02/25 12:56	1
Bromacil	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 12:56	1
Butachlor	<0.049		0.049	ug/L		12/01/25 15:35	12/02/25 12:56	1
Butylbenzylphthalate	<0.49		0.49	ug/L		12/01/25 15:35	12/02/25 12:56	1
Chlorobenzilate	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 12:56	1
Chloroneb	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 12:56	1
Chlorothalonil (Draconil, Bravo)	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 12:56	1
Chlorpyrifos	<0.049		0.049	ug/L		12/01/25 15:35	12/02/25 12:56	1
Chrysene	<0.020		0.020	ug/L		12/01/25 15:35	12/02/25 12:56	1
delta-BHC	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 12:56	1
Di(2-ethylhexyl)adipate	<0.59		0.59	ug/L		12/01/25 15:35	12/02/25 12:56	1
Dibenz(a,h)anthracene	<0.049		0.049	ug/L		12/01/25 15:35	12/02/25 12:56	1
Diclorvos (DDVP)	<0.049		0.049	ug/L		12/01/25 15:35	12/02/25 12:56	1
Dieldrin	<0.0098		0.0098	ug/L		12/01/25 15:35	12/02/25 12:56	1
Diethylphthalate	<0.49		0.49	ug/L		12/01/25 15:35	12/02/25 12:56	1
Dimethylphthalate	<0.49		0.49	ug/L		12/01/25 15:35	12/02/25 12:56	1
Di-n-butyl phthalate	<0.98		0.98	ug/L		12/01/25 15:35	12/02/25 12:56	1
Di-n-octyl phthalate	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 12:56	1
Endosulfan I (Alpha)	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 12:56	1
Endosulfan II (Beta)	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 12:56	1
Endosulfan sulfate	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 12:56	1
Endrin	<0.0098		0.0098	ug/L		12/01/25 15:35	12/02/25 12:56	1
Endrin aldehyde	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 12:56	1
EPTC	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 12:56	1

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QC Sample Results

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

Job ID: 380-185031-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

Lab Sample ID: MB 380-189282/20-A
Matrix: Water
Analysis Batch: 189489

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 189282

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Fluoranthene	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 12:56	1
Fluorene	<0.049		0.049	ug/L		12/01/25 15:35	12/02/25 12:56	1
gamma-Chlordane	<0.049		0.049	ug/L		12/01/25 15:35	12/02/25 12:56	1
Heptachlor	<0.0098		0.0098	ug/L		12/01/25 15:35	12/02/25 12:56	1
Heptachlor epoxide (isomer B)	<0.0098		0.0098	ug/L		12/01/25 15:35	12/02/25 12:56	1
Hexachlorobenzene	<0.049		0.049	ug/L		12/01/25 15:35	12/02/25 12:56	1
Hexachlorocyclopentadiene	<0.049		0.049	ug/L		12/01/25 15:35	12/02/25 12:56	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049	ug/L		12/01/25 15:35	12/02/25 12:56	1
Isophorone	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 12:56	1
Lindane	<0.0098		0.0098	ug/L		12/01/25 15:35	12/02/25 12:56	1
Malathion	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 12:56	1
Methoxychlor	<0.049		0.049	ug/L		12/01/25 15:35	12/02/25 12:56	1
Metolachlor	<0.049		0.049	ug/L		12/01/25 15:35	12/02/25 12:56	1
Molinate	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 12:56	1
Naphthalene	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 12:56	1
Parathion	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 12:56	1
Pendimethalin (Penoxaline)	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 12:56	1
Phenanthrene	<0.039		0.039	ug/L		12/01/25 15:35	12/02/25 12:56	1
Propachlor	<0.049		0.049	ug/L		12/01/25 15:35	12/02/25 12:56	1
Pyrene	<0.049		0.049	ug/L		12/01/25 15:35	12/02/25 12:56	1
Simazine	<0.049		0.049	ug/L		12/01/25 15:35	12/02/25 12:56	1
Terbacil	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 12:56	1
Terbutylazine	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 12:56	1
Thiobencarb	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 12:56	1
Total Permethrin (mixed isomers)	<0.20		0.20	ug/L		12/01/25 15:35	12/02/25 12:56	1
trans-Nonachlor	<0.049		0.049	ug/L		12/01/25 15:35	12/02/25 12:56	1
Trifluralin	<0.098		0.098	ug/L		12/01/25 15:35	12/02/25 12:56	1

Tentatively Identified Compound	MB	MB	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
	Est. Result	Qualifier							
Unknown	0.541	T J	ug/L		3.83	N/A	12/01/25 15:35	12/02/25 12:56	1
Hexadecanamide	0.738	T J N	ug/L		6.95	629-54-9	12/01/25 15:35	12/02/25 12:56	1
9-Octadecenamide, (Z)-	8.03	T J N	ug/L		7.79	301-02-0	12/01/25 15:35	12/02/25 12:56	1
Octadecanamide	0.813	T J N	ug/L		7.89	124-26-5	12/01/25 15:35	12/02/25 12:56	1
Unknown	0.769	T J	ug/L		14.76	N/A	12/01/25 15:35	12/02/25 12:56	1
Unknown	0.559	T J	ug/L		15.63	N/A	12/01/25 15:35	12/02/25 12:56	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2-Nitro-m-xylene	97		70 - 130	12/01/25 15:35	12/02/25 12:56	1
Perylene-d12	89		70 - 130	12/01/25 15:35	12/02/25 12:56	1
Triphenylphosphate	109		70 - 130	12/01/25 15:35	12/02/25 12:56	1

Lab Sample ID: LCS 380-189282/22-A
Matrix: Water
Analysis Batch: 189489

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 189282

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
1-Methylnaphthalene	1.97	1.82		ug/L		92	70 - 130
2,4'-DDD	1.97	2.09		ug/L		106	70 - 130

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QC Sample Results

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

Job ID: 380-185031-1
 SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

Lab Sample ID: LCS 380-189282/22-A

Matrix: Water

Analysis Batch: 189489

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 189282

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec Limits
	Added	Result	Qualifier				
2,4'-DDE	1.97	2.05		ug/L		104	70 - 130
2,4'-DDT	1.97	2.09		ug/L		106	70 - 130
2,4-Dinitrotoluene	1.97	1.97		ug/L		100	70 - 130
2,6-Dinitrotoluene	1.97	1.99		ug/L		101	70 - 130
2-Methylnaphthalene	1.97	1.84		ug/L		93	70 - 130
4,4'-DDD	1.97	2.15		ug/L		109	70 - 130
4,4'-DDE	1.97	2.10		ug/L		107	70 - 130
4,4'-DDT	1.97	1.99		ug/L		101	70 - 130
Acenaphthene	1.97	1.93		ug/L		98	70 - 130
Acenaphthylene	1.97	1.97		ug/L		100	70 - 130
Acetochlor	1.97	2.13		ug/L		108	70 - 130
Alachlor	1.97	2.10		ug/L		107	70 - 130
alpha-BHC	1.97	1.96		ug/L		100	70 - 130
alpha-Chlordane	1.97	2.20		ug/L		112	70 - 130
Anthracene	1.97	1.77		ug/L		90	70 - 130
Atrazine	1.97	2.09		ug/L		106	70 - 130
Benz(a)anthracene	1.97	1.90		ug/L		96	70 - 130
Benzo[a]pyrene	1.97	1.97		ug/L		100	70 - 130
Benzo[b]fluoranthene	1.97	1.93		ug/L		98	70 - 130
Benzo[g,h,i]perylene	1.97	2.08		ug/L		106	70 - 130
Benzo[k]fluoranthene	1.97	2.06		ug/L		105	70 - 130
beta-BHC	1.97	1.96		ug/L		100	70 - 130
Bis(2-ethylhexyl) phthalate	1.97	2.18		ug/L		111	70 - 130
Bromacil	1.97	1.92		ug/L		98	70 - 130
Butachlor	1.97	2.12		ug/L		108	70 - 130
Butylbenzylphthalate	1.97	2.30		ug/L		117	70 - 130
Chlorobenzilate	1.97	1.89		ug/L		96	70 - 130
Chloroneb	1.97	1.82		ug/L		93	70 - 130
Chlorothalonil (Draconil, Bravo)	1.97	2.31		ug/L		118	70 - 130
Chlorpyrifos	1.97	2.18		ug/L		111	70 - 130
Chrysene	1.97	1.88		ug/L		95	70 - 130
delta-BHC	1.97	1.96		ug/L		99	70 - 130
Di(2-ethylhexyl)adipate	1.97	2.39		ug/L		121	70 - 130
Dibenz(a,h)anthracene	1.97	2.05		ug/L		104	70 - 130
Diclorvos (DDVP)	1.97	1.98		ug/L		101	70 - 130
Dieldrin	1.97	2.03		ug/L		103	70 - 130
Diethylphthalate	1.97	2.17		ug/L		110	70 - 130
Dimethylphthalate	1.97	2.04		ug/L		104	70 - 130
Di-n-butyl phthalate	3.94	4.15		ug/L		106	70 - 130
Di-n-octyl phthalate	1.97	2.19		ug/L		111	70 - 130
Endosulfan I (Alpha)	1.97	1.90		ug/L		97	70 - 130
Endosulfan II (Beta)	1.97	1.91		ug/L		97	70 - 130
Endosulfan sulfate	1.97	2.23		ug/L		114	70 - 130
Endrin	1.97	2.12		ug/L		108	70 - 130
Endrin aldehyde	1.97	1.72		ug/L		87	60 - 130
EPTC	1.97	2.06		ug/L		105	70 - 130
Fluoranthene	1.97	2.10		ug/L		107	70 - 130
Fluorene	1.97	1.96		ug/L		99	70 - 130
gamma-Chlordane	1.97	2.18		ug/L		111	70 - 130

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QC Sample Results

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

Job ID: 380-185031-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

Lab Sample ID: LCS 380-189282/22-A

Matrix: Water

Analysis Batch: 189489

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 189282

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec	
							Limits	
Heptachlor	1.97	2.05		ug/L		104	70 - 130	
Heptachlor epoxide (isomer B)	1.97	2.02		ug/L		103	70 - 130	
Hexachlorobenzene	1.97	2.02		ug/L		102	70 - 130	
Hexachlorocyclopentadiene	1.97	2.01		ug/L		102	70 - 130	
Indeno[1,2,3-cd]pyrene	1.97	2.06		ug/L		105	70 - 130	
Isophorone	1.97	2.11		ug/L		107	70 - 130	
Lindane	1.97	1.93		ug/L		98	70 - 130	
Malathion	1.97	1.92		ug/L		97	70 - 130	
Methoxychlor	1.97	2.03		ug/L		103	70 - 130	
Metolachlor	1.97	1.95		ug/L		99	70 - 130	
Molinate	1.97	2.09		ug/L		106	70 - 130	
Naphthalene	1.97	1.87		ug/L		95	70 - 130	
Parathion	1.97	2.30		ug/L		117	70 - 130	
Pendimethalin (Penoxaline)	1.97	2.07		ug/L		105	70 - 130	
Phenanthrene	1.97	1.91		ug/L		97	70 - 130	
Propachlor	1.97	2.17		ug/L		110	70 - 130	
Pyrene	1.97	2.08		ug/L		106	70 - 130	
Simazine	1.97	1.98		ug/L		100	70 - 130	
Terbacil	1.97	2.11		ug/L		107	70 - 130	
Terbutylazine	1.97	2.20		ug/L		112	70 - 130	
Thiobencarb	1.97	2.25		ug/L		114	70 - 130	
trans-Nonachlor	1.97	2.09		ug/L		106	70 - 130	
Trifluralin	1.97	2.02		ug/L		103	70 - 130	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2-Nitro-m-xylene	96		70 - 130
Perylene-d12	98		70 - 130
Triphenylphosphate	113		70 - 130

Lab Sample ID: LCSD 380-189282/23-A

Matrix: Water

Analysis Batch: 189489

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 189282

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	
							Limits		RPD	Limit
1-Methylnaphthalene	1.96	1.80		ug/L		92	70 - 130	1	20	
2,4'-DDD	1.96	2.05		ug/L		105	70 - 130	2	20	
2,4'-DDE	1.96	1.99		ug/L		101	70 - 130	3	20	
2,4'-DDT	1.96	1.99		ug/L		101	70 - 130	5	20	
2,4-Dinitrotoluene	1.96	1.89		ug/L		96	70 - 130	4	20	
2,6-Dinitrotoluene	1.96	1.90		ug/L		97	70 - 130	5	20	
2-Methylnaphthalene	1.96	1.84		ug/L		94	70 - 130	0	20	
4,4'-DDD	1.96	2.09		ug/L		106	70 - 130	3	20	
4,4'-DDE	1.96	1.98		ug/L		101	70 - 130	6	20	
4,4'-DDT	1.96	1.86		ug/L		95	70 - 130	7	20	
Acenaphthene	1.96	1.94		ug/L		99	70 - 130	0	20	
Acenaphthylene	1.96	1.98		ug/L		101	70 - 130	0	20	
Acetochlor	1.96	2.09		ug/L		106	70 - 130	2	20	
Alachlor	1.96	2.06		ug/L		105	70 - 130	2	20	

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QC Sample Results

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

Job ID: 380-185031-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

Lab Sample ID: LCSD 380-189282/23-A

Matrix: Water

Analysis Batch: 189489

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 189282

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	RPD
	Added	Result	Qualifier				Limits		Limit
alpha-BHC	1.96	1.95		ug/L		99	70 - 130	1	20
alpha-Chlordane	1.96	2.17		ug/L		110	70 - 130	2	20
Anthracene	1.96	1.77		ug/L		90	70 - 130	0	20
Atrazine	1.96	2.06		ug/L		105	70 - 130	2	20
Benz(a)anthracene	1.96	1.87		ug/L		95	70 - 130	1	20
Benzo[a]pyrene	1.96	1.98		ug/L		101	70 - 130	1	20
Benzo[b]fluoranthene	1.96	2.06		ug/L		105	70 - 130	6	20
Benzo[g,h,i]perylene	1.96	2.05		ug/L		105	70 - 130	1	20
Benzo[k]fluoranthene	1.96	1.94		ug/L		99	70 - 130	6	20
beta-BHC	1.96	1.92		ug/L		98	70 - 130	2	20
Bis(2-ethylhexyl) phthalate	1.96	1.93		ug/L		98	70 - 130	12	20
Bromacil	1.96	1.74		ug/L		88	70 - 130	10	20
Butachlor	1.96	2.09		ug/L		107	70 - 130	1	20
Butylbenzylphthalate	1.96	2.27		ug/L		116	70 - 130	1	20
Chlorobenzilate	1.96	1.89		ug/L		96	70 - 130	0	20
Chloroneb	1.96	1.83		ug/L		93	70 - 130	0	20
Chlorothalonil (Draconil, Bravo)	1.96	2.34		ug/L		119	70 - 130	1	20
Chlorpyrifos	1.96	2.16		ug/L		110	70 - 130	1	20
Chrysene	1.96	1.88		ug/L		96	70 - 130	0	20
delta-BHC	1.96	1.98		ug/L		101	70 - 130	1	20
Di(2-ethylhexyl)adipate	1.96	2.12		ug/L		108	70 - 130	12	20
Dibenz(a,h)anthracene	1.96	1.93		ug/L		98	70 - 130	6	20
Diclorvos (DDVP)	1.96	1.88		ug/L		96	70 - 130	6	20
Dieldrin	1.96	2.00		ug/L		102	70 - 130	1	20
Diethylphthalate	1.96	2.14		ug/L		109	70 - 130	2	20
Dimethylphthalate	1.96	2.02		ug/L		103	70 - 130	1	20
Di-n-butyl phthalate	3.93	4.34		ug/L		111	70 - 130	4	20
Di-n-octyl phthalate	1.96	1.91		ug/L		97	70 - 130	14	20
Endosulfan I (Alpha)	1.96	1.90		ug/L		97	70 - 130	0	20
Endosulfan II (Beta)	1.96	1.86		ug/L		95	70 - 130	3	20
Endosulfan sulfate	1.96	2.21		ug/L		112	70 - 130	1	20
Endrin	1.96	2.13		ug/L		108	70 - 130	0	20
Endrin aldehyde	1.96	1.78		ug/L		91	60 - 130	3	20
EPTC	1.96	2.05		ug/L		105	70 - 130	0	20
Fluoranthene	1.96	2.11		ug/L		108	70 - 130	0	20
Fluorene	1.96	1.96		ug/L		100	70 - 130	0	20
gamma-Chlordane	1.96	2.14		ug/L		109	70 - 130	2	20
Heptachlor	1.96	2.08		ug/L		106	70 - 130	2	20
Heptachlor epoxide (isomer B)	1.96	2.01		ug/L		102	70 - 130	0	20
Hexachlorobenzene	1.96	2.06		ug/L		105	70 - 130	2	20
Hexachlorocyclopentadiene	1.96	2.05		ug/L		105	70 - 130	2	20
Indeno[1,2,3-cd]pyrene	1.96	2.00		ug/L		102	70 - 130	3	20
Isophorone	1.96	2.03		ug/L		103	70 - 130	4	20
Lindane	1.96	1.90		ug/L		97	70 - 130	2	20
Malathion	1.96	1.93		ug/L		98	70 - 130	1	20
Methoxychlor	1.96	2.15		ug/L		110	70 - 130	6	20
Metolachlor	1.96	1.93		ug/L		99	70 - 130	1	20
Molinate	1.96	2.09		ug/L		106	70 - 130	0	20
Naphthalene	1.96	1.87		ug/L		95	70 - 130	0	20

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QC Sample Results

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

Job ID: 380-185031-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

Lab Sample ID: LCSD 380-189282/23-A

Matrix: Water

Analysis Batch: 189489

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 189282

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec		RPD	Limit
		Result	Qualifier				Limits	RPD		
Parathion	1.96	2.28		ug/L		116	70 - 130	1	20	
Pendimethalin (Penoxaline)	1.96	2.09		ug/L		107	70 - 130	1	20	
Phenanthrene	1.96	1.92		ug/L		98	70 - 130	1	20	
Propachlor	1.96	2.12		ug/L		108	70 - 130	2	20	
Pyrene	1.96	2.10		ug/L		107	70 - 130	1	20	
Simazine	1.96	1.89		ug/L		96	70 - 130	5	20	
Terbacil	1.96	1.93		ug/L		98	70 - 130	9	20	
Terbutylazine	1.96	2.20		ug/L		112	70 - 130	0	20	
Thiobencarb	1.96	2.23		ug/L		114	70 - 130	1	20	
trans-Nonachlor	1.96	1.99		ug/L		101	70 - 130	5	20	
Trifluralin	1.96	2.03		ug/L		103	70 - 130	1	20	

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
2-Nitro-m-xylene	96		70 - 130
Perylene-d12	99		70 - 130
Triphenylphosphate	113		70 - 130

Lab Sample ID: MRL 380-189282/21-A

Matrix: Water

Analysis Batch: 189489

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 189282

Analyte	Spike Added	MRL	MRL	Unit	D	%Rec	%Rec	
		Result	Qualifier				Limits	RPD
1-Methylnaphthalene	0.0984	0.116		ug/L		118	50 - 150	
2,4'-DDD	0.0984	0.0834	J	ug/L		85	50 - 150	
2,4'-DDE	0.0984	0.0978	J	ug/L		99	50 - 150	
2,4'-DDT	0.0984	0.0901	J	ug/L		92	50 - 150	
2,4-Dinitrotoluene	0.0984	0.101		ug/L		103	50 - 150	
2,6-Dinitrotoluene	0.0984	0.114		ug/L		116	50 - 150	
2-Methylnaphthalene	0.0984	0.108		ug/L		109	50 - 150	
4,4'-DDD	0.0984	0.0928	J	ug/L		94	50 - 150	
4,4'-DDE	0.0984	0.0990		ug/L		101	50 - 150	
4,4'-DDT	0.0984	0.108		ug/L		110	50 - 150	
Acenaphthene	0.0984	0.0917	J	ug/L		93	50 - 150	
Acenaphthylene	0.0984	0.0994		ug/L		101	50 - 150	
Acetochlor	0.0984	0.110		ug/L		112	50 - 150	
Alachlor	0.0492	0.0534		ug/L		109	50 - 150	
alpha-BHC	0.0984	0.0992		ug/L		101	50 - 150	
alpha-Chlordane	0.0246	<0.029		ug/L		107	50 - 150	
Anthracene	0.0197	0.0203		ug/L		103	50 - 150	
Atrazine	0.0492	0.0513		ug/L		104	50 - 150	
Benz(a)anthracene	0.0492	0.0514		ug/L		105	50 - 150	
Benzo[a]pyrene	0.0197	0.0225		ug/L		114	50 - 150	
Benzo[b]fluoranthene	0.0197	0.0208		ug/L		106	50 - 150	
Benzo[g,h,i]perylene	0.0492	0.0514		ug/L		105	50 - 150	
Benzo[k]fluoranthene	0.0197	0.0233		ug/L		118	50 - 150	
beta-BHC	0.0984	0.100		ug/L		102	50 - 150	
Bis(2-ethylhexyl) phthalate	0.590	0.681		ug/L		115	50 - 150	
Bromacil	0.0984	0.107		ug/L		108	50 - 150	

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QC Sample Results

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

Job ID: 380-185031-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

Lab Sample ID: MRL 380-189282/21-A

Matrix: Water

Analysis Batch: 189489

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 189282

Analyte	Spike	MRL	MRL	Unit	D	%Rec	%Rec Limits
	Added	Result	Qualifier				
Butachlor	0.0492	0.0615		ug/L		125	50 - 150
Butylbenzylphthalate	0.492	0.634		ug/L		129	50 - 150
Chlorobenzilate	0.0984	0.0908	J	ug/L		92	50 - 150
Chloroneb	0.0984	0.102		ug/L		104	50 - 150
Chlorothalonil (Draconil, Bravo)	0.0984	0.0895	J	ug/L		91	50 - 150
Chlorpyrifos	0.0492	0.0520		ug/L		106	50 - 150
Chrysene	0.0197	0.0197	J	ug/L		100	50 - 150
delta-BHC	0.0984	0.0995		ug/L		101	50 - 150
Di(2-ethylhexyl)adipate	0.590	0.774		ug/L		131	50 - 150
Dibenz(a,h)anthracene	0.0492	0.0521		ug/L		106	50 - 150
Diclorvos (DDVP)	0.0492	0.0534		ug/L		109	50 - 150
Dieldrin	0.00984	0.0111		ug/L		113	50 - 150
Diethylphthalate	0.492	0.552		ug/L		112	50 - 150
Dimethylphthalate	0.492	0.532		ug/L		108	50 - 150
Di-n-butyl phthalate	0.492	0.497	J	ug/L		101	49 - 243
Di-n-octyl phthalate	0.0984	0.108		ug/L		110	50 - 150
Endosulfan I (Alpha)	0.0984	0.0908	J	ug/L		92	50 - 150
Endosulfan II (Beta)	0.0984	0.111		ug/L		113	50 - 150
Endosulfan sulfate	0.0984	0.0930	J	ug/L		95	50 - 150
Endrin	0.00984	0.0115		ug/L		117	50 - 150
Endrin aldehyde	0.0984	0.109		ug/L		111	50 - 150
EPTC	0.0984	0.101		ug/L		103	50 - 150
Fluoranthene	0.0984	0.0947	J	ug/L		96	50 - 150
Fluorene	0.0492	0.0538		ug/L		109	50 - 150
gamma-Chlordane	0.0246	0.0222	J	ug/L		90	50 - 150
Heptachlor	0.00984	0.0102		ug/L		104	50 - 150
Heptachlor epoxide (isomer B)	0.00984	0.0102		ug/L		104	50 - 150
Hexachlorobenzene	0.0492	0.0511		ug/L		104	50 - 150
Hexachlorocyclopentadiene	0.0492	0.0461	J	ug/L		94	50 - 150
Indeno[1,2,3-cd]pyrene	0.0492	0.0550		ug/L		112	50 - 150
Isophorone	0.0984	0.124		ug/L		126	50 - 150
Lindane	0.00984	0.0117		ug/L		119	50 - 150
Malathion	0.0984	0.102		ug/L		104	50 - 150
Methoxychlor	0.0492	0.0516		ug/L		105	50 - 150
Metolachlor	0.0492	0.0588		ug/L		120	50 - 150
Molinate	0.0984	0.103		ug/L		104	50 - 150
Naphthalene	0.0984	0.0985		ug/L		100	50 - 150
Parathion	0.0984	0.0925	J	ug/L		94	50 - 150
Pendimethalin (Penoxaline)	0.0984	0.0867	J	ug/L		88	50 - 150
Phenanthrene	0.0394	0.0363	J	ug/L		92	50 - 150
Propachlor	0.0492	0.0540		ug/L		110	50 - 150
Pyrene	0.0492	0.0486	J	ug/L		99	50 - 150
Simazine	0.0492	0.0482	J	ug/L		98	50 - 150
Terbacil	0.0984	0.107		ug/L		109	50 - 150
Terbuthylazine	0.0984	0.102		ug/L		104	50 - 150
Thiobencarb	0.0984	0.106		ug/L		107	50 - 150
trans-Nonachlor	0.0246	<0.026		ug/L		98	50 - 150
Trifluralin	0.0984	0.101		ug/L		103	50 - 150

QC Sample Results

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

Job ID: 380-185031-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

Lab Sample ID: MRL 380-189282/21-A
Matrix: Water
Analysis Batch: 189489

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 189282

Surrogate	MRL %Recovery	MRL Qualifier	Limits
2-Nitro-m-xylene	97		70 - 130
Perylene-d12	90		70 - 130
Triphenylphosphate	106		70 - 130

Lab Sample ID: 380-183853-AH-1-A MS
Matrix: Water
Analysis Batch: 189489

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 189282

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.099		1.99	1.83		ug/L		92	70 - 130
2,4'-DDD	<0.099		1.99	2.11		ug/L		106	70 - 130
2,4'-DDE	<0.099		1.99	2.08		ug/L		105	70 - 130
2,4'-DDT	<0.099		1.99	2.15		ug/L		108	70 - 130
2,4-Dinitrotoluene	<0.099		1.99	1.91		ug/L		96	70 - 130
2,6-Dinitrotoluene	<0.099		1.99	1.93		ug/L		97	70 - 130
2-Methylnaphthalene	<0.099		1.99	1.85		ug/L		93	70 - 130
4,4'-DDD	<0.099		1.99	2.16		ug/L		109	70 - 130
4,4'-DDE	<0.099		1.99	2.14		ug/L		108	70 - 130
4,4'-DDT	<0.099		1.99	1.99		ug/L		100	70 - 130
Acenaphthene	<0.099		1.99	1.94		ug/L		98	70 - 130
Acenaphthylene	<0.099		1.99	2.00		ug/L		100	70 - 130
Acetochlor	<0.099		1.99	2.13		ug/L		107	70 - 130
Alachlor	<0.050		1.99	2.09		ug/L		105	70 - 130
alpha-BHC	<0.099		1.99	1.93		ug/L		97	70 - 130
alpha-Chlordane	<0.050		1.99	2.19		ug/L		110	70 - 130
Anthracene	<0.020		1.99	1.64		ug/L		82	70 - 130
Atrazine	<0.050		1.99	2.11		ug/L		106	70 - 130
Benz(a)anthracene	<0.050		1.99	1.91		ug/L		96	70 - 130
Benzo[a]pyrene	<0.020		1.99	1.95		ug/L		98	70 - 130
Benzo[b]fluoranthene	<0.020		1.99	1.98		ug/L		100	70 - 130
Benzo[g,h,i]perylene	<0.050		1.99	2.11		ug/L		106	70 - 130
Benzo[k]fluoranthene	<0.020		1.99	2.05		ug/L		103	70 - 130
beta-BHC	<0.099		1.99	1.95		ug/L		98	70 - 130
Bis(2-ethylhexyl) phthalate	<0.60		1.99	2.21		ug/L		111	70 - 130
Bromacil	<0.099		1.99	1.80		ug/L		91	70 - 130
Butachlor	<0.050		1.99	2.09		ug/L		105	70 - 130
Butylbenzylphthalate	<0.50		1.99	2.31		ug/L		116	70 - 130
Chlorobenzilate	<0.099		1.99	1.93		ug/L		97	70 - 130
Chloroneb	<0.099		1.99	1.83		ug/L		92	70 - 130
Chlorothalonil (Draconil, Bravo)	<0.099		1.99	2.21		ug/L		111	70 - 130
Chlorpyrifos	<0.050		1.99	2.18		ug/L		110	70 - 130
Chrysene	<0.020		1.99	1.89		ug/L		95	70 - 130
delta-BHC	<0.099		1.99	1.93		ug/L		97	70 - 130
Di(2-ethylhexyl)adipate	<0.60		1.99	2.44		ug/L		120	70 - 130
Dibenz(a,h)anthracene	<0.050		1.99	2.09		ug/L		105	70 - 130
Diclorvos (DDVP)	<0.050		1.99	1.90		ug/L		96	70 - 130
Dieldrin	<0.0099		1.99	2.04		ug/L		103	70 - 130
Diethylphthalate	19	E	1.99	2.15	4	ug/L		-865	70 - 130

QC Sample Results

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

Job ID: 380-185031-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

Lab Sample ID: 380-183853-AH-1-A MS

Client Sample ID: Matrix Spike

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 189489

Prep Batch: 189282

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier	Added	Result	Qualifier				
Dimethylphthalate	<0.50		1.99	2.04		ug/L		103	70 - 130
Di-n-butyl phthalate	<0.99		3.97	4.44		ug/L		112	70 - 130
Di-n-octyl phthalate	<0.099		1.99	2.25		ug/L		114	70 - 130
Endosulfan I (Alpha)	<0.099		1.99	1.89		ug/L		95	70 - 130
Endosulfan II (Beta)	<0.099		1.99	1.94		ug/L		97	70 - 130
Endosulfan sulfate	<0.099		1.99	2.22		ug/L		112	70 - 130
Endrin	<0.0099		1.99	2.15		ug/L		108	70 - 130
Endrin aldehyde	<0.099		1.99	1.56		ug/L		78	60 - 130
EPTC	<0.099		1.99	2.08		ug/L		105	70 - 130
Fluoranthene	<0.099		1.99	2.14		ug/L		108	70 - 130
Fluorene	<0.050		1.99	1.96		ug/L		99	70 - 130
gamma-Chlordane	<0.050		1.99	2.21		ug/L		111	70 - 130
Heptachlor	<0.0099		1.99	2.09		ug/L		105	70 - 130
Heptachlor epoxide (isomer B)	<0.0099		1.99	2.03		ug/L		102	70 - 130
Hexachlorobenzene	<0.050		1.99	2.08		ug/L		105	70 - 130
Hexachlorocyclopentadiene	<0.050		1.99	2.06		ug/L		104	70 - 130
Indeno[1,2,3-cd]pyrene	<0.050		1.99	2.12		ug/L		107	70 - 130
Isophorone	<0.099		1.99	2.05		ug/L		103	70 - 130
Lindane	<0.0099		1.99	1.92		ug/L		97	70 - 130
Malathion	<0.099		1.99	1.97		ug/L		99	70 - 130
Methoxychlor	<0.050		1.99	2.02		ug/L		102	70 - 130
Metolachlor	<0.050		1.99	1.97		ug/L		99	70 - 130
Molinate	<0.099		1.99	2.11		ug/L		106	70 - 130
Naphthalene	<0.099		1.99	1.88		ug/L		95	70 - 130
Parathion	<0.099		1.99	2.34		ug/L		118	70 - 130
Pendimethalin (Penoxaline)	<0.099		1.99	2.15		ug/L		108	70 - 130
Phenanthrene	<0.040		1.99	1.91		ug/L		96	70 - 130
Propachlor	<0.050		1.99	2.16		ug/L		109	70 - 130
Pyrene	<0.050		1.99	2.11		ug/L		106	70 - 130
Simazine	<0.050		1.99	1.97		ug/L		99	70 - 130
Terbacil	<0.099		1.99	1.95		ug/L		98	70 - 130
Terbutylazine	<0.099		1.99	2.25		ug/L		113	70 - 130
Thiobencarb	<0.099		1.99	2.24		ug/L		113	70 - 130
trans-Nonachlor	<0.050		1.99	2.11		ug/L		106	70 - 130
Trifluralin	<0.099		1.99	2.12		ug/L		107	70 - 130

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
2-Nitro-m-xylene	97		70 - 130
Perylene-d12	100		70 - 130
Triphenylphosphate	112		70 - 130

Lab Sample ID: 380-183862-AP-1-B DU

Client Sample ID: Duplicate

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 189489

Prep Batch: 189282

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
1-Methylnaphthalene	<0.098		<0.098		ug/L		NC	20
2,4'-DDD	<0.098		<0.098		ug/L		NC	20

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-185031-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

Lab Sample ID: 380-183862-AP-1-B DU

Matrix: Water

Analysis Batch: 189489

Client Sample ID: Duplicate

Prep Type: Total/NA

Prep Batch: 189282

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
2,4'-DDE	<0.098		<0.098		ug/L		NC	20
2,4'-DDT	<0.098		<0.098		ug/L		NC	20
2,4-Dinitrotoluene	<0.098		<0.098		ug/L		NC	20
2,6-Dinitrotoluene	<0.098		<0.098		ug/L		NC	20
2-Methylnaphthalene	<0.098		<0.098		ug/L		NC	20
4,4'-DDD	<0.098		<0.098		ug/L		NC	20
4,4'-DDE	<0.098		<0.098		ug/L		NC	20
4,4'-DDT	<0.098		<0.098		ug/L		NC	20
Acenaphthene	<0.098		<0.098		ug/L		NC	20
Acenaphthylene	<0.098		<0.098		ug/L		NC	20
Acetochlor	<0.098		<0.098		ug/L		NC	20
Alachlor	<0.049		<0.049		ug/L		NC	20
alpha-BHC	<0.098		<0.098		ug/L		NC	20
alpha-Chlordane	<0.049		<0.049		ug/L		NC	20
Anthracene	<0.020		<0.020		ug/L		NC	20
Atrazine	<0.049		<0.049		ug/L		NC	20
Benz(a)anthracene	<0.049		<0.049		ug/L		NC	20
Benzo[a]pyrene	<0.020		<0.020		ug/L		NC	20
Benzo[b]fluoranthene	<0.020		<0.020		ug/L		NC	20
Benzo[g,h,i]perylene	<0.049		<0.049		ug/L		NC	20
Benzo[k]fluoranthene	<0.020		<0.020		ug/L		NC	20
beta-BHC	<0.098		<0.098		ug/L		NC	20
Bis(2-ethylhexyl) phthalate	<0.59		<0.59		ug/L		NC	20
Bromacil	<0.098		<0.098		ug/L		NC	20
Butachlor	<0.049		<0.049		ug/L		NC	20
Butylbenzylphthalate	<0.49		<0.49		ug/L		NC	20
Chlorobenzilate	<0.098		<0.098		ug/L		NC	20
Chloroneb	<0.098		<0.098		ug/L		NC	20
Chlorothalonil (Draconil, Bravo)	<0.098		<0.098		ug/L		NC	20
Chlorpyrifos	<0.049		<0.049		ug/L		NC	20
Chrysene	<0.020		<0.020		ug/L		NC	20
delta-BHC	<0.098		<0.098		ug/L		NC	20
Di(2-ethylhexyl)adipate	<0.59		<0.59		ug/L		NC	20
Dibenz(a,h)anthracene	<0.049		<0.049		ug/L		NC	20
Diclorvos (DDVP)	<0.049		<0.049		ug/L		NC	20
Dieldrin	<0.0098		<0.0098		ug/L		NC	20
Diethylphthalate	<0.49		<0.49		ug/L		NC	20
Dimethylphthalate	<0.49		<0.49		ug/L		NC	20
Di-n-butyl phthalate	<0.98		<0.98		ug/L		NC	20
Di-n-octyl phthalate	<0.098		<0.098		ug/L		NC	20
Endosulfan I (Alpha)	<0.098		<0.098		ug/L		NC	20
Endosulfan II (Beta)	<0.098		<0.098		ug/L		NC	20
Endosulfan sulfate	<0.098		<0.098		ug/L		NC	20
Endrin	<0.0098		<0.0098		ug/L		NC	20
Endrin aldehyde	<0.098		<0.098		ug/L		NC	20
EPTC	<0.098		<0.098		ug/L		NC	20
Fluoranthene	<0.098		<0.098		ug/L		NC	20
Fluorene	<0.049		<0.049		ug/L		NC	20
gamma-Chlordane	<0.049		<0.049		ug/L		NC	20

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QC Sample Results

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

Job ID: 380-185031-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

Lab Sample ID: 380-183862-AP-1-B DU

Matrix: Water

Analysis Batch: 189489

Client Sample ID: Duplicate

Prep Type: Total/NA

Prep Batch: 189282

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Heptachlor	<0.0098		<0.0098		ug/L		NC	20
Heptachlor epoxide (isomer B)	<0.0098		<0.0098		ug/L		NC	20
Hexachlorobenzene	<0.049		<0.049		ug/L		NC	20
Hexachlorocyclopentadiene	<0.049		<0.049		ug/L		NC	20
Indeno[1,2,3-cd]pyrene	<0.049		<0.049		ug/L		NC	20
Isophorone	<0.098		<0.098		ug/L		NC	20
Lindane	<0.0098		<0.0098		ug/L		NC	20
Malathion	<0.098		<0.098		ug/L		NC	20
Methoxychlor	<0.049		<0.049		ug/L		NC	20
Metolachlor	<0.049		<0.049		ug/L		NC	20
Molinate	<0.098		<0.098		ug/L		NC	20
Naphthalene	<0.098		<0.098		ug/L		NC	20
Parathion	<0.098		<0.098		ug/L		NC	20
Pendimethalin (Penoxaline)	<0.098		<0.098		ug/L		NC	20
Phenanthrene	<0.039		<0.039		ug/L		NC	20
Propachlor	<0.049		<0.049		ug/L		NC	20
Pyrene	<0.049		<0.049		ug/L		NC	20
Simazine	<0.049		<0.049		ug/L		NC	20
Terbacil	<0.098		<0.098		ug/L		NC	20
Terbutylazine	<0.098		<0.098		ug/L		NC	20
Thiobencarb	<0.098		<0.098		ug/L		NC	20
Total Permethrin (mixed isomers)	<0.20		<0.20		ug/L		NC	20
trans-Nonachlor	<0.049		<0.049		ug/L		NC	20
Trifluralin	<0.098		<0.098		ug/L		NC	20

Surrogate	DU	DU	Limits
	%Recovery	Qualifier	
2-Nitro-m-xylene	98		70 - 130
Perylene-d12	89		70 - 130
Triphenylphosphate	111		70 - 130

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

Lab Sample ID: MB 570-663011/1-A

Matrix: Water

Analysis Batch: 668191

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 663011

Tentatively Identified Compound	MB	MB	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
	Est. Result	Qualifier							
Tentatively Identified Compound	None		ug/L			N/A	12/01/25 08:21	12/11/25 08:33	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2,4,6-Tribromophenol (Surr)	75		33 - 139	12/01/25 08:21	12/11/25 08:33	1
2-Fluorobiphenyl (Surr)	84		33 - 126	12/01/25 08:21	12/11/25 08:33	1
2-Fluorophenol (Surr)	53		12 - 120	12/01/25 08:21	12/11/25 08:33	1
Nitrobenzene-d5 (Surr)	89		36 - 120	12/01/25 08:21	12/11/25 08:33	1
Phenol-d6 (Surr)	33		10 - 120	12/01/25 08:21	12/11/25 08:33	1
p-Terphenyl-d14 (Surr)	83		47 - 131	12/01/25 08:21	12/11/25 08:33	1

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-185031-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

Lab Sample ID: MB 570-663011/1-A
Matrix: Water
Analysis Batch: 668356

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 663011

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
1-Methylnaphthalene	<0.20		0.20	ug/L		12/01/25 08:21	12/11/25 08:13	1
2-Methylnaphthalene	<0.20		0.20	ug/L		12/01/25 08:21	12/11/25 08:13	1
Acenaphthene	<0.20		0.20	ug/L		12/01/25 08:21	12/11/25 08:13	1
Acenaphthylene	<0.20		0.20	ug/L		12/01/25 08:21	12/11/25 08:13	1
Anthracene	<0.20		0.20	ug/L		12/01/25 08:21	12/11/25 08:13	1
Benzo[a]anthracene	<0.20		0.20	ug/L		12/01/25 08:21	12/11/25 08:13	1
Benzo[a]pyrene	<0.20		0.20	ug/L		12/01/25 08:21	12/11/25 08:13	1
Benzo[b]fluoranthene	<0.20		0.20	ug/L		12/01/25 08:21	12/11/25 08:13	1
Benzo[g,h,i]perylene	<0.20		0.20	ug/L		12/01/25 08:21	12/11/25 08:13	1
Benzo[k]fluoranthene	<0.20		0.20	ug/L		12/01/25 08:21	12/11/25 08:13	1
Chrysene	<0.20		0.20	ug/L		12/01/25 08:21	12/11/25 08:13	1
Dibenz(a,h)anthracene	<0.20		0.20	ug/L		12/01/25 08:21	12/11/25 08:13	1
Fluoranthene	<0.20		0.20	ug/L		12/01/25 08:21	12/11/25 08:13	1
Fluorene	<0.20		0.20	ug/L		12/01/25 08:21	12/11/25 08:13	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20	ug/L		12/01/25 08:21	12/11/25 08:13	1
Naphthalene	<0.20		0.20	ug/L		12/01/25 08:21	12/11/25 08:13	1
Phenanthrene	<0.20		0.20	ug/L		12/01/25 08:21	12/11/25 08:13	1
Pyrene	<0.20		0.20	ug/L		12/01/25 08:21	12/11/25 08:13	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2,4,6-Tribromophenol (Surr)	88		28 - 127	12/01/25 08:21	12/11/25 08:13	1
2-Fluorobiphenyl (Surr)	80		31 - 120	12/01/25 08:21	12/11/25 08:13	1
2-Fluorophenol (Surr)	52		17 - 120	12/01/25 08:21	12/11/25 08:13	1
Nitrobenzene-d5 (Surr)	82		27 - 120	12/01/25 08:21	12/11/25 08:13	1
Phenol-d6 (Surr)	34		10 - 120	12/01/25 08:21	12/11/25 08:13	1
p-Terphenyl-d14 (Surr)	76		45 - 120	12/01/25 08:21	12/11/25 08:13	1

Lab Sample ID: LCS 570-663011/2-A
Matrix: Water
Analysis Batch: 668356

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 663011

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
1-Methylnaphthalene	20.0	13.4		ug/L		67	47 - 120
2-Methylnaphthalene	20.0	13.5		ug/L		68	43 - 120
Acenaphthene	20.0	16.4		ug/L		82	60 - 132
Acenaphthylene	20.0	15.7		ug/L		79	54 - 126
Anthracene	20.0	16.5		ug/L		82	43 - 120
Benzo[a]anthracene	20.0	16.7		ug/L		84	42 - 133
Benzo[a]pyrene	20.0	17.6		ug/L		88	32 - 148
Benzo[b]fluoranthene	20.0	17.8		ug/L		89	42 - 140
Benzo[g,h,i]perylene	20.0	16.6		ug/L		83	1 - 195
Benzo[k]fluoranthene	20.0	16.6		ug/L		83	25 - 146
Chrysene	20.0	16.5		ug/L		83	44 - 140
Dibenz(a,h)anthracene	20.0	17.9		ug/L		89	1 - 200
Fluoranthene	20.0	17.1		ug/L		86	43 - 121
Fluorene	20.0	16.6		ug/L		83	70 - 120
Indeno[1,2,3-cd]pyrene	20.0	17.2		ug/L		86	1 - 151
Naphthalene	20.0	13.2		ug/L		66	36 - 120

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QC Sample Results

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

Job ID: 380-185031-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

Lab Sample ID: LCS 570-663011/2-A

Matrix: Water

Analysis Batch: 668356

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 663011

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Phenanthrene	20.0	16.9		ug/L		84	65 - 120
Pyrene	20.0	17.7		ug/L		89	70 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	85		28 - 127
2-Fluorobiphenyl (Surr)	84		31 - 120
2-Fluorophenol (Surr)	63		17 - 120
Nitrobenzene-d5 (Surr)	71		27 - 120
Phenol-d6 (Surr)	43		10 - 120
p-Terphenyl-d14 (Surr)	85		45 - 120

Lab Sample ID: LCSD 570-663011/3-A

Matrix: Water

Analysis Batch: 668356

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 663011

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	20.0	13.6		ug/L		68	47 - 120	1	20
2-Methylnaphthalene	20.0	13.6		ug/L		68	43 - 120	1	20
Acenaphthene	20.0	16.5		ug/L		82	60 - 132	0	29
Acenaphthylene	20.0	15.8		ug/L		79	54 - 126	0	45
Anthracene	20.0	16.2		ug/L		81	43 - 120	2	40
Benzo[a]anthracene	20.0	16.5		ug/L		82	42 - 133	2	32
Benzo[a]pyrene	20.0	17.2		ug/L		86	32 - 148	2	43
Benzo[b]fluoranthene	20.0	17.6		ug/L		88	42 - 140	1	43
Benzo[g,h,i]perylene	20.0	16.5		ug/L		83	1 - 195	1	61
Benzo[k]fluoranthene	20.0	16.4		ug/L		82	25 - 146	1	38
Chrysene	20.0	16.5		ug/L		82	44 - 140	1	53
Dibenz(a,h)anthracene	20.0	17.5		ug/L		87	1 - 200	2	75
Fluoranthene	20.0	16.7		ug/L		84	43 - 121	2	40
Fluorene	20.0	16.7		ug/L		84	70 - 120	1	23
Indeno[1,2,3-cd]pyrene	20.0	17.0		ug/L		85	1 - 151	1	60
Naphthalene	20.0	12.9		ug/L		65	36 - 120	2	39
Phenanthrene	20.0	16.5		ug/L		83	65 - 120	2	24
Pyrene	20.0	17.5		ug/L		88	70 - 120	1	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	81		28 - 127
2-Fluorobiphenyl (Surr)	86		31 - 120
2-Fluorophenol (Surr)	65		17 - 120
Nitrobenzene-d5 (Surr)	70		27 - 120
Phenol-d6 (Surr)	43		10 - 120
p-Terphenyl-d14 (Surr)	82		45 - 120

QC Sample Results

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

Job ID: 380-185031-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

Lab Sample ID: 380-185035-A-1-A MS

Matrix: Water

Analysis Batch: 668356

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 663011

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier	Added	Result	Qualifier				
1-Methylnaphthalene	<0.19		19.2	13.7		ug/L		72	36 - 120
2-Methylnaphthalene	<0.19		19.2	13.8		ug/L		72	32 - 124
Acenaphthene	<0.19		19.2	16.4		ug/L		86	47 - 145
Acenaphthylene	<0.19		19.2	15.8		ug/L		83	33 - 145
Anthracene	<0.19		19.2	15.7		ug/L		82	27 - 133
Benzo[a]anthracene	<0.19		19.2	16.6		ug/L		87	33 - 143
Benzo[a]pyrene	<0.19		19.2	16.8		ug/L		88	17 - 163
Benzo[b]fluoranthene	<0.19		19.2	17.1		ug/L		89	24 - 159
Benzo[g,h,i]perylene	<0.19		19.2	16.3		ug/L		85	1 - 219
Benzo[k]fluoranthene	<0.19		19.2	16.6		ug/L		87	11 - 162
Chrysene	<0.19		19.2	16.4		ug/L		86	17 - 168
Dibenz(a,h)anthracene	<0.19		19.2	17.2		ug/L		90	1 - 227
Fluoranthene	<0.19		19.2	16.7		ug/L		87	26 - 137
Fluorene	<0.19		19.2	16.4		ug/L		86	59 - 121
Indeno[1,2,3-cd]pyrene	<0.19		19.2	16.9		ug/L		88	1 - 171
Naphthalene	<0.19		19.2	13.2		ug/L		69	21 - 133
Phenanthrene	<0.19		19.2	16.4		ug/L		86	54 - 120
Pyrene	<0.19		19.2	17.6		ug/L		92	52 - 120

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol (Surr)	83		28 - 127
2-Fluorobiphenyl (Surr)	86		31 - 120
2-Fluorophenol (Surr)	61		17 - 120
Nitrobenzene-d5 (Surr)	71		27 - 120
Phenol-d6 (Surr)	40		10 - 120
p-Terphenyl-d14 (Surr)	84		45 - 120

Lab Sample ID: 380-185035-A-1-B MSD

Matrix: Water

Analysis Batch: 668356

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 663011

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
	Result	Qualifier	Added	Result	Qualifier						
1-Methylnaphthalene	<0.19		19.3	12.8		ug/L		66	36 - 120	7	30
2-Methylnaphthalene	<0.19		19.3	13.0		ug/L		67	32 - 124	6	30
Acenaphthene	<0.19		19.3	15.9		ug/L		82	47 - 145	3	48
Acenaphthylene	<0.19		19.3	15.0		ug/L		78	33 - 145	5	74
Anthracene	<0.19		19.3	16.0		ug/L		83	27 - 133	2	66
Benzo[a]anthracene	<0.19		19.3	16.8		ug/L		87	33 - 143	1	53
Benzo[a]pyrene	<0.19		19.3	17.1		ug/L		89	17 - 163	2	72
Benzo[b]fluoranthene	<0.19		19.3	17.3		ug/L		90	24 - 159	1	71
Benzo[g,h,i]perylene	<0.19		19.3	16.5		ug/L		85	1 - 219	1	97
Benzo[k]fluoranthene	<0.19		19.3	16.5		ug/L		86	11 - 162	1	63
Chrysene	<0.19		19.3	16.6		ug/L		86	17 - 168	1	87
Dibenz(a,h)anthracene	<0.19		19.3	17.6		ug/L		91	1 - 227	2	126
Fluoranthene	<0.19		19.3	16.8		ug/L		87	26 - 137	1	66
Fluorene	<0.19		19.3	15.6		ug/L		81	59 - 121	5	38
Indeno[1,2,3-cd]pyrene	<0.19		19.3	17.0		ug/L		88	1 - 171	1	99
Naphthalene	<0.19		19.3	12.0		ug/L		62	21 - 133	9	65

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-185031-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

Lab Sample ID: 380-185035-A-1-B MSD

Matrix: Water

Analysis Batch: 668356

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 663011

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
Phenanthrene	<0.19		19.3	16.3		ug/L		84	54 - 120	1	39
Pyrene	<0.19		19.3	17.9		ug/L		93	52 - 120	2	49
MSD MSD											
Surrogate	%Recovery	Qualifier	Limits								
2,4,6-Tribromophenol (Surr)	81		28 - 127								
2-Fluorobiphenyl (Surr)	79		31 - 120								
2-Fluorophenol (Surr)	53		17 - 120								
Nitrobenzene-d5 (Surr)	65		27 - 120								
Phenol-d6 (Surr)	35		10 - 120								
p-Terphenyl-d14 (Surr)	84		45 - 120								

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

Lab Sample ID: MB 570-666187/6

Matrix: Water

Analysis Batch: 666187

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
GRO (C6-C10)	<10		10	ug/L			12/07/25 16:30	1
MB MB								
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	87		38 - 134			12/07/25 16:30	1	

Lab Sample ID: LCS 570-666187/4

Matrix: Water

Analysis Batch: 666187

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec	RPD	RPD
		Result	Qualifier				Limits		Limit
Gasoline Range Organics (C4-C13)	400	345		ug/L		86	78 - 120		
LCS LCS									
Surrogate	%Recovery	Qualifier	Limits						
4-Bromofluorobenzene (Surr)	83		38 - 134						

Lab Sample ID: LCSD 570-666187/5

Matrix: Water

Analysis Batch: 666187

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	RPD
		Result	Qualifier				Limits		Limit
Gasoline Range Organics (C4-C13)	400	377		ug/L		94	78 - 120	9	10
LCSD LCSD									
Surrogate	%Recovery	Qualifier	Limits						
4-Bromofluorobenzene (Surr)	85		38 - 134						

QC Sample Results

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

Job ID: 380-185031-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

Lab Sample ID: MRL 570-666187/3
Matrix: Water
Analysis Batch: 666187

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (C4-C13)	10.0	12.3		ug/L		123	50 - 150
Surrogate		MRL	MRL				Limits
4-Bromofluorobenzene (Surr)		81					38 - 134

Lab Sample ID: 380-185035-C-1 MS
Matrix: Water
Analysis Batch: 666187

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (C4-C13)	<10		400	400		ug/L		100	68 - 122
Surrogate		MS		MS					Limits
4-Bromofluorobenzene (Surr)		91							38 - 134

Lab Sample ID: 380-185035-C-1 MSD
Matrix: Water
Analysis Batch: 666187

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)	<10		400	396		ug/L		99	68 - 122	1	18
Surrogate		MSD		MSD					Limits		
4-Bromofluorobenzene (Surr)		91							38 - 134		

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

Lab Sample ID: MB 570-663324/1-A
Matrix: Water
Analysis Batch: 666060

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 663324

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<25		25	ug/L		12/01/25 16:05	12/06/25 23:26	1
Motor Oil Range Organics [C24-C36]	<25		25	ug/L		12/01/25 16:05	12/06/25 23:26	1
C8-C18	<25		25	ug/L		12/01/25 16:05	12/06/25 23:26	1
Surrogate		MB				Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)		99				12/01/25 16:05	12/06/25 23:26	1

Lab Sample ID: LCS 570-663324/2-A
Matrix: Water
Analysis Batch: 666060

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 663324

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
C10-C28	1600	1660		ug/L		104	56 - 127

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-185031-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

Lab Sample ID: LCS 570-663324/2-A
Matrix: Water
Analysis Batch: 666060

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 663324

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
<i>n-Octacosane (Surr)</i>	109		60 - 130

Lab Sample ID: LCSD 570-663324/3-A
Matrix: Water
Analysis Batch: 666060

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 663324

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
C10-C28	1600	1610		ug/L		101	56 - 127	3	23	

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
<i>n-Octacosane (Surr)</i>	106		60 - 130

Lab Sample ID: MRL 570-663324/4-A
Matrix: Water
Analysis Batch: 666060

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 663324

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
C10-C28	0.0200	0.0303	^3+	mg/L		152	50 - 150			

	MRL	MRL	
Surrogate	%Recovery	Qualifier	Limits
<i>n-Octacosane (Surr)</i>	117		60 - 130

Lab Sample ID: 380-185076-A-1-A MS
Matrix: Water
Analysis Batch: 666060

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 663324

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits	RPD		
C10-C28	49	^3+	1620	1610		ug/L		96	70 - 130			

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
<i>n-Octacosane (Surr)</i>	98		60 - 130

Lab Sample ID: 380-185076-B-1-A MSD
Matrix: Water
Analysis Batch: 666060

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 663324

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits	RPD		
C10-C28	49	^3+	1640	1900		ug/L		113	70 - 130	17	20	

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

QC Association Summary

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

Job ID: 380-185031-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

GC/MS Semi VOA

Prep Batch: 189282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-185031-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	525.2	
380-185031-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	525.2	
MB 380-189282/20-A	Method Blank	Total/NA	Water	525.2	
LCS 380-189282/22-A	Lab Control Sample	Total/NA	Water	525.2	
LCSD 380-189282/23-A	Lab Control Sample Dup	Total/NA	Water	525.2	
MRL 380-189282/21-A	Lab Control Sample	Total/NA	Water	525.2	
380-183853-AH-1-A MS	Matrix Spike	Total/NA	Water	525.2	
380-183862-AP-1-B DU	Duplicate	Total/NA	Water	525.2	

Analysis Batch: 189489

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-185031-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	525.2	189282
380-185031-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	525.2	189282
MB 380-189282/20-A	Method Blank	Total/NA	Water	525.2	189282
LCS 380-189282/22-A	Lab Control Sample	Total/NA	Water	525.2	189282
LCSD 380-189282/23-A	Lab Control Sample Dup	Total/NA	Water	525.2	189282
MRL 380-189282/21-A	Lab Control Sample	Total/NA	Water	525.2	189282
380-183853-AH-1-A MS	Matrix Spike	Total/NA	Water	525.2	189282
380-183862-AP-1-B DU	Duplicate	Total/NA	Water	525.2	189282

Prep Batch: 663011

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-185031-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	625.1	
380-185031-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	625.1	
MB 570-663011/1-A	Method Blank	Total/NA	Water	625.1	
LCS 570-663011/2-A	Lab Control Sample	Total/NA	Water	625.1	
LCSD 570-663011/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	
380-185035-A-1-A MS	Matrix Spike	Total/NA	Water	625.1	
380-185035-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	625.1	

Analysis Batch: 668191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-185031-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	625.1	663011
380-185031-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	625.1	663011
MB 570-663011/1-A	Method Blank	Total/NA	Water	625.1	663011

Analysis Batch: 668356

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-185031-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	625.1 SIM	663011
380-185031-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	625.1 SIM	663011
MB 570-663011/1-A	Method Blank	Total/NA	Water	625.1 SIM	663011
LCS 570-663011/2-A	Lab Control Sample	Total/NA	Water	625.1 SIM	663011
LCSD 570-663011/3-A	Lab Control Sample Dup	Total/NA	Water	625.1 SIM	663011
380-185035-A-1-A MS	Matrix Spike	Total/NA	Water	625.1 SIM	663011
380-185035-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	625.1 SIM	663011

GC VOA

Analysis Batch: 666187

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-185031-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	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: 380-185031-1
 SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

GC VOA (Continued)

Analysis Batch: 666187 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-185031-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	8015B GRO LL	
380-185031-3	TB:AIEA GULCH WELLS P1 (331-201-TP071)	Total/NA	Water	8015B GRO LL	
380-185031-4	TB:AIEA GULCH WELLS P2 (331-202-TP072)	Total/NA	Water	8015B GRO LL	
MB 570-666187/6	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-666187/4	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-666187/5	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-666187/3	Lab Control Sample	Total/NA	Water	8015B GRO LL	
380-185035-C-1 MS	Matrix Spike	Total/NA	Water	8015B GRO LL	
380-185035-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B GRO LL	

GC Semi VOA

Prep Batch: 663324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-185031-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	3510C	
380-185031-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	3510C	
MB 570-663324/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-663324/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-663324/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MRL 570-663324/4-A	Lab Control Sample	Total/NA	Water	3510C	
380-185076-A-1-A MS	Matrix Spike	Total/NA	Water	3510C	
380-185076-B-1-A MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	

Analysis Batch: 666060

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-185031-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	8015B	663324
380-185031-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	8015B	663324
MB 570-663324/1-A	Method Blank	Total/NA	Water	8015B	663324
LCS 570-663324/2-A	Lab Control Sample	Total/NA	Water	8015B	663324
LCSD 570-663324/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	663324
MRL 570-663324/4-A	Lab Control Sample	Total/NA	Water	8015B	663324
380-185076-A-1-A MS	Matrix Spike	Total/NA	Water	8015B	663324
380-185076-B-1-A MSD	Matrix Spike Duplicate	Total/NA	Water	8015B	663324

Lab Chronicle

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

Job ID: 380-185031-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

Lab Sample ID: 380-185031-1

Date Collected: 11/24/25 11:37

Matrix: Drinking Water

Date Received: 11/28/25 10:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			189282	IQ42	EA POM	12/01/25 15:35
Total/NA	Analysis	525.2		1	189489	Q8LA	EA POM	12/02/25 15:37
Total/NA	Prep	625.1			663011	OAJ3	EET CAL 4	12/01/25 08:21
Total/NA	Analysis	625.1		1	668191	J7WE	EET CAL 4	12/11/25 11:22
Total/NA	Prep	625.1			663011	OAJ3	EET CAL 4	12/01/25 08:21
Total/NA	Analysis	625.1 SIM		1	668356	PQS1	EET CAL 4	12/11/25 12:13
Total/NA	Analysis	8015B GRO LL		1	666187	YD9V	EET CAL 4	12/07/25 19:12
Total/NA	Prep	3510C			663324	TVD6	EET CAL 4	12/01/25 16:05
Total/NA	Analysis	8015B		1	666060	H6FE	EET CAL 4	12/07/25 04:25

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

Lab Sample ID: 380-185031-2

Date Collected: 11/24/25 12:10

Matrix: Drinking Water

Date Received: 11/28/25 10:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			189282	IQ42	EA POM	12/01/25 15:35
Total/NA	Analysis	525.2		1	189489	Q8LA	EA POM	12/02/25 15:57
Total/NA	Prep	625.1			663011	OAJ3	EET CAL 4	12/01/25 08:21
Total/NA	Analysis	625.1		1	668191	J7WE	EET CAL 4	12/11/25 11:46
Total/NA	Prep	625.1			663011	OAJ3	EET CAL 4	12/01/25 08:21
Total/NA	Analysis	625.1 SIM		1	668356	PQS1	EET CAL 4	12/11/25 12:35
Total/NA	Analysis	8015B GRO LL		1	666187	YD9V	EET CAL 4	12/07/25 20:16
Total/NA	Prep	3510C			663324	TVD6	EET CAL 4	12/01/25 16:05
Total/NA	Analysis	8015B		1	666060	H6FE	EET CAL 4	12/07/25 04:47

Client Sample ID: TB:AIEA GULCH WELLS P1 (331-201-TP071)

Lab Sample ID: 380-185031-3

Date Collected: 11/24/25 11:37

Matrix: Water

Date Received: 11/28/25 10:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015B GRO LL		1	666187	YD9V	EET CAL 4	12/07/25 23:34

Client Sample ID: TB:AIEA GULCH WELLS P2 (331-202-TP072)

Lab Sample ID: 380-185031-4

Date Collected: 11/24/25 12:10

Matrix: Water

Date Received: 11/28/25 10:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015B GRO LL		1	666187	YD9V	EET CAL 4	12/07/25 23:56

Laboratory References:

EA POM = Eurofins Eaton Analytical Pomona, 941 Corporate Center Drive, Pomona, CA 91768-2642, TEL (626)386-1100
EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Accreditation/Certification Summary

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

Job ID: 380-185031-1
 SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

Laboratory: Eurofins Eaton Analytical Pomona

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

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

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

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

Laboratory: Eurofins Calscience

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

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

Accreditation/Certification Summary

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

Job ID: 380-185031-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

Laboratory: Eurofins Calscience (Continued)

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

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

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Method Summary

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

Job ID: 380-185031-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

Protocol References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.
EPA = US Environmental Protection Agency
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EA POM = Eurofins 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: 380-185031-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	PWSID Number
380-185031-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Drinking Water	11/24/25 11:37	11/28/25 10:12	HI0000331
380-185031-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Drinking Water	11/24/25 12:10	11/28/25 10:12	HI0000331
380-185031-3	TB:AIEA GULCH WELLS P1 (331-201-TP071)	Water	11/24/25 11:37	11/28/25 10:12	
380-185031-4	TB:AIEA GULCH WELLS P2 (331-202-TP072)	Water	11/24/25 12:10	11/28/25 10:12	

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Eurofins Eaton Analytical Pomona

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

Chain of Custody Record

eurofins | Environment Testing

Client Information		Sampler bailey		Lab PM: Lopez, Maria		Carrier Tracking No(s)		COC No: 380-28005-2757 1					
Client Contact: Mr Kirk Iwamoto		Phone +1 808 748 5840		E-Mail: Maria.Lopez@et.eurofinsus.com		State of Origin:		Page: Page 1 of 1					
Company City & County of Honolulu				PWSID		Analysis Requested							
Address 630 South Beretania Street Chemistry Lab		Due Date Requested		Field Filled Sample (Yes or No) Perform MS/MSD (Yes or No) 625.1, 625.1, SIM 8015B_GRO_LL - (MOD) GRO 8015B_DRO_LL_CS - HNL Ranges, C10-C24/C24-C38/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: <input type="checkbox"/> Yes <input type="checkbox"/> 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		SSOW#:											
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=other)	Preservation Codes:	R	RA	Q	QA	Y	I	Special Instructions/Note:
Aiea Gulch Wells Pump 1		24-Nov-2025	1137	G	Water		2	3	2	2			
Aiea Gulch Wells Pump 1 (Matrix Spike)					Water								
Aiea Gulch Wells Pump 1 (Matrix Spike Duplicate)					Water								
TB: Aiea Gulch Wells Pump 1		24-Nov-2025	1137		Water			2					
Aiea Gulch Wells Pump 2		24-Nov-2025	1210	G	Water		2	3	2	2			 380 185031 COC
Aiea Gulch Wells Pump 2 (Matrix Spike)					Water								
Aiea Gulch Wells Pump 2 (Matrix Spike Duplicate)					Water								
TB: Aiea Gulch Wells Pump 2		24-Nov-2025	1210		Water			2					
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)							
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological						<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months							
Deliverable Requested I, II, III, IV, Other (specify)						Special Instructions/QC Requirements							
Empty Kit Relinquished by						Method of Shipment: FEDEx (1) 8864 0524 4690 (2) 8864 0524 4704							
Date/Time: 25 NOV. 2025 1400		Company: HBWS		Received by: [Signature]		Date/Time: 11/28/25 10:12		Company: ECAP					
Relinquished by		Date/Time:		Company:		Received by:		Date/Time:		Company:			
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.		Cooler Temperature(s) °C and Other Remarks:		75/1 (1) 1.0 - 0.0 = 1.0 (2) 3.6 - 0.0 = 3.6 GEL-FRAZED GR 11/18 FROZEN Ver 04/02/2024							

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Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-185031-1

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

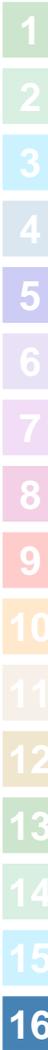
Login Number: 185031

List Number: 1

Creator: Ngo, Theodore

List Source: Eurofins Eaton Analytical Pomona

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



Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-185031-1
SDG Number: Weekly: Aiea Gulch Wells Pump 1/Pump 2

Login Number: 185031

List Number: 2

Creator: Yu, Tiffany

List Source: Eurofins Calscience

List Creation: 11/29/25 11:30 AM

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.0,1.4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	