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ANALYTICAL REPORT

PREPARED FOR

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Honolulu, Hawaii 96843

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JOB DESCRIPTION

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

JOB NUMBER

380-244777-1

Eurofins Pomona
941 Corporate Center Drive
Pomona CA 91768-2642

See page two for job notes and contact information.

my EOL

Job Notes

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

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

Compliance Statement

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

Authorization



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Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA TICs

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

GC Semi VOA

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

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

Job Narrative
380-244777-1

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 10/28/2026 10:00 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 0.6°C and 2.9°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: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 570-824865 and analytical batch 570-828440 recovered outside control limits for the following analytes: C10-C28.
Laboratory control sample / laboratory control sample duplicate (LCS/LCSD) percent recovery is in control for affected analytes.

Method 8015B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 570-824865 and analytical batch 570-828440 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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: 380-244777-1
SDG: Weekly: Aiea Gulch Wells Pump 1

Client Sample ID: AIEA GULCH WELLS PUMP 1 (331-201-TP071)
Lab Sample ID: 380-244777-1
PWSID Number: HI0000331

No Detections.

Client Sample ID: TB: AIEA GULCH WELLS PUMP 1 (331-201-TP071)
Lab Sample ID: 380-244777-2

No Detections.

This Detection Summary does not include radiochemical test results.

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

Job ID: 380-244777-1
SDG: Weekly: Aiea Gulch Wells Pump 1

Client Sample ID: AIEA GULCH WELLS PUMP 1 (331-201-TP071)
Date Collected: 10/26/26 12:04
Date Received: 10/28/26 10:00

Lab Sample ID: 380-244777-1
Matrix: Drinking Water
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		11/02/26 14:27	11/04/26 10:32	1
2,4'-DDD	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 10:32	1
2,4'-DDE	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 10:32	1
2,4'-DDT	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 10:32	1
2,4-Dinitrotoluene	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 10:32	1
2,6-Dinitrotoluene	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 10:32	1
2-Methylnaphthalene	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 10:32	1
4,4'-DDD	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 10:32	1
4,4'-DDE	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 10:32	1
4,4'-DDT	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 10:32	1
Acenaphthene	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 10:32	1
Acenaphthylene	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 10:32	1
Acetochlor	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 10:32	1
Alachlor	<0.049		0.049		ug/L		11/02/26 14:27	11/04/26 10:32	1
alpha-BHC	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 10:32	1
alpha-Chlordane	<0.049		0.049		ug/L		11/02/26 14:27	11/04/26 10:32	1
Anthracene	<0.020		0.020		ug/L		11/02/26 14:27	11/04/26 10:32	1
Atrazine	<0.049		0.049		ug/L		11/02/26 14:27	11/04/26 10:32	1
Benz(a)anthracene	<0.049		0.049		ug/L		11/02/26 14:27	11/04/26 10:32	1
Benzo[a]pyrene	<0.020		0.020		ug/L		11/02/26 14:27	11/04/26 10:32	1
Benzo[b]fluoranthene	<0.020		0.020		ug/L		11/02/26 14:27	11/04/26 10:32	1
Benzo[g,h,i]perylene	<0.049		0.049		ug/L		11/02/26 14:27	11/04/26 10:32	1
Benzo[k]fluoranthene	<0.020		0.020		ug/L		11/02/26 14:27	11/04/26 10:32	1
beta-BHC	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 10:32	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59		ug/L		11/02/26 14:27	11/04/26 10:32	1
Bromacil	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 10:32	1
Butachlor	<0.049		0.049		ug/L		11/02/26 14:27	11/04/26 10:32	1
Butylbenzylphthalate	<0.49		0.49		ug/L		11/02/26 14:27	11/04/26 10:32	1
Chlorobenzilate	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 10:32	1
Chloroneb	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 10:32	1
Chlorothalonil (Draconil, Bravo)	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 10:32	1
Chlorpyrifos	<0.049		0.049		ug/L		11/02/26 14:27	11/04/26 10:32	1
Chrysene	<0.020		0.020		ug/L		11/02/26 14:27	11/04/26 10:32	1
delta-BHC	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 10:32	1
Di(2-ethylhexyl)adipate	<0.59		0.59		ug/L		11/02/26 14:27	11/04/26 10:32	1
Dibenz(a,h)anthracene	<0.049		0.049		ug/L		11/02/26 14:27	11/04/26 10:32	1
Diclorvos (DDVP)	<0.049		0.049		ug/L		11/02/26 14:27	11/04/26 10:32	1
Dieldrin	<0.0098		0.0098		ug/L		11/02/26 14:27	11/04/26 10:32	1
Diethylphthalate	<0.49		0.49		ug/L		11/02/26 14:27	11/04/26 10:32	1
Dimethylphthalate	<0.49		0.49		ug/L		11/02/26 14:27	11/04/26 10:32	1
Di-n-butyl phthalate	<0.98		0.98		ug/L		11/02/26 14:27	11/04/26 10:32	1
Di-n-octyl phthalate	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 10:32	1
Endosulfan I (Alpha)	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 10:32	1
Endosulfan II (Beta)	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 10:32	1
Endosulfan sulfate	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 10:32	1
Endrin	<0.0098		0.0098		ug/L		11/02/26 14:27	11/04/26 10:32	1
Endrin aldehyde	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 10:32	1
EPTC	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 10:32	1

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

Job ID: 380-244777-1
SDG: Weekly: Aiea Gulch Wells Pump 1

Client Sample ID: AIEA GULCH WELLS PUMP 1 (331-201-TP071)
Date Collected: 10/26/26 12:04
Date Received: 10/28/26 10:00

Lab Sample ID: 380-244777-1
Matrix: Drinking Water
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		11/02/26 14:27	11/04/26 10:32	1
Fluorene	<0.049		0.049		ug/L		11/02/26 14:27	11/04/26 10:32	1
gamma-Chlordane	<0.049		0.049		ug/L		11/02/26 14:27	11/04/26 10:32	1
Heptachlor	<0.0098		0.0098		ug/L		11/02/26 14:27	11/04/26 10:32	1
Heptachlor epoxide (isomer B)	<0.0098		0.0098		ug/L		11/02/26 14:27	11/04/26 10:32	1
Hexachlorobenzene	<0.049		0.049		ug/L		11/02/26 14:27	11/04/26 10:32	1
Hexachlorocyclopentadiene	<0.049		0.049		ug/L		11/02/26 14:27	11/04/26 10:32	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049		ug/L		11/02/26 14:27	11/04/26 10:32	1
Isophorone	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 10:32	1
Lindane	<0.0098		0.0098		ug/L		11/02/26 14:27	11/04/26 10:32	1
Malathion	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 10:32	1
Methoxychlor	<0.049		0.049		ug/L		11/02/26 14:27	11/04/26 10:32	1
Metolachlor	<0.049		0.049		ug/L		11/02/26 14:27	11/04/26 10:32	1
Molinate	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 10:32	1
Naphthalene	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 10:32	1
Parathion	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 10:32	1
Pendimethalin (Penoxaline)	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 10:32	1
Phenanthrene	<0.039		0.039		ug/L		11/02/26 14:27	11/04/26 10:32	1
Propachlor	<0.049		0.049		ug/L		11/02/26 14:27	11/04/26 10:32	1
Pyrene	<0.049		0.049		ug/L		11/02/26 14:27	11/04/26 10:32	1
Simazine	<0.049		0.049		ug/L		11/02/26 14:27	11/04/26 10:32	1
Terbacil	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 10:32	1
Terbuthylazine	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 10:32	1
Thiobencarb	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 10:32	1
Total Permethrin (mixed isomers)	<0.20		0.20		ug/L		11/02/26 14:27	11/04/26 10:32	1
trans-Nonachlor	<0.049		0.049		ug/L		11/02/26 14:27	11/04/26 10:32	1
Trifluralin	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 10:32	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*	*11/02/26 14:27*	*11/04/26 10:32*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*99*		*70 - 130*	*11/02/26 14:27*	*11/04/26 10:32*	*1*
Perylene-d12	*87*		*70 - 130*	*11/02/26 14:27*	*11/04/26 10:32*	*1*
Triphenylphosphate	*107*		*70 - 130*	*11/02/26 14:27*	*11/04/26 10:32*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.20		0.20		ug/L		11/01/26 09:26	11/06/26 18:54	1
2-Methylnaphthalene	<0.20		0.20		ug/L		11/01/26 09:26	11/06/26 18:54	1
Acenaphthene	<0.20		0.20		ug/L		11/01/26 09:26	11/06/26 18:54	1
Acenaphthylene	<0.20		0.20		ug/L		11/01/26 09:26	11/06/26 18:54	1
Anthracene	<0.20		0.20		ug/L		11/01/26 09:26	11/06/26 18:54	1
Benzo[a]anthracene	<0.20		0.20		ug/L		11/01/26 09:26	11/06/26 18:54	1
Benzo[a]pyrene	<0.20		0.20		ug/L		11/01/26 09:26	11/06/26 18:54	1
Benzo[b]fluoranthene	<0.20		0.20		ug/L		11/01/26 09:26	11/06/26 18:54	1
Benzo[g,h,i]perylene	<0.20		0.20		ug/L		11/01/26 09:26	11/06/26 18:54	1
Benzo[k]fluoranthene	<0.20		0.20		ug/L		11/01/26 09:26	11/06/26 18:54	1
Chrysene	<0.20		0.20		ug/L		11/01/26 09:26	11/06/26 18:54	1

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

Job ID: 380-244777-1
SDG: Weekly: Aiea Gulch Wells Pump 1

Client Sample ID: AIEA GULCH WELLS PUMP 1 (331-201-TP071)
Date Collected: 10/26/26 12:04
Date Received: 10/28/26 10:00

Lab Sample ID: 380-244777-1
Matrix: Drinking Water
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	<0.20		0.20		ug/L		11/01/26 09:26	11/06/26 18:54	1
Fluoranthene	<0.20		0.20		ug/L		11/01/26 09:26	11/06/26 18:54	1
Fluorene	<0.20		0.20		ug/L		11/01/26 09:26	11/06/26 18:54	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20		ug/L		11/01/26 09:26	11/06/26 18:54	1
Naphthalene	<0.20		0.20		ug/L		11/01/26 09:26	11/06/26 18:54	1
Phenanthrene	<0.20		0.20		ug/L		11/01/26 09:26	11/06/26 18:54	1
Pyrene	<0.20		0.20		ug/L		11/01/26 09:26	11/06/26 18:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*71*		*28 - 127*	*11/01/26 09:26*	*11/06/26 18:54*	*1*
2-Fluorobiphenyl (Surr)	*63*		*31 - 120*	*11/01/26 09:26*	*11/06/26 18:54*	*1*
2-Fluorophenol (Surr)	*36*		*17 - 120*	*11/01/26 09:26*	*11/06/26 18:54*	*1*
Nitrobenzene-d5 (Surr)	*66*		*27 - 120*	*11/01/26 09:26*	*11/06/26 18:54*	*1*
Phenol-d6 (Surr)	*24*		*10 - 120*	*11/01/26 09:26*	*11/06/26 18:54*	*1*
p-Terphenyl-d14 (Surr)	*69*		*45 - 120*	*11/01/26 09:26*	*11/06/26 18:54*	*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*	*11/01/26 09:26*	*11/10/26 13:49*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*61*		*33 - 139*	*11/01/26 09:26*	*11/10/26 13:49*	*1*
2-Fluorobiphenyl (Surr)	*73*		*33 - 126*	*11/01/26 09:26*	*11/10/26 13:49*	*1*
2-Fluorophenol (Surr)	*45*		*12 - 120*	*11/01/26 09:26*	*11/10/26 13:49*	*1*
Nitrobenzene-d5 (Surr)	*76*		*36 - 120*	*11/01/26 09:26*	*11/10/26 13:49*	*1*
Phenol-d6 (Surr)	*28*		*10 - 120*	*11/01/26 09:26*	*11/10/26 13:49*	*1*
p-Terphenyl-d14 (Surr)	*86*		*47 - 131*	*11/01/26 09:26*	*11/10/26 13:49*	*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			10/30/26 18:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*38 - 134*		*10/30/26 18:48*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<26		26		ug/L		11/01/26 13:49	11/09/26 18:36	1
Motor Oil Range Organics [C24-C36]	<26		26		ug/L		11/01/26 13:49	11/09/26 18:36	1
C8-C18	<26		26		ug/L		11/01/26 13:49	11/09/26 18:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*61*		*60 - 130*	*11/01/26 13:49*	*11/09/26 18:36*	*1*

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

Job ID: 380-244777-1
SDG: Weekly: Aiea Gulch Wells Pump 1

Client Sample ID: TB: AIEA GULCH WELLS PUMP 1 (331-201-TP071)
Date Collected: 10/26/26 12:04
Date Received: 10/28/26 10:00

Lab Sample ID: 380-244777-2
Matrix: Water

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			10/30/26 15:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*38 - 134*		*10/30/26 15:44*	*1*

Action Limit Summary

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

Job ID: 380-244777-1
SDG: Weekly: Aiea Gulch Wells Pump 1

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

Lab Sample ID: 380-244777-1

PWSID Number: HI0000331

Compliance Check

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

Analyte	Result	Qualifier	Unit	EPAMCL Limit	RL	Method	Prep Type
Alachlor	<0.049		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	<0.20		ug/L	0.2	0.20	625.1 SIM	Total/NA

Surrogate Summary

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

Job ID: 380-244777-1
SDG: Weekly: Aiea Gulch Wells Pump 1

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

Matrix: Drinking Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		2NMX	PRY	TPP
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
380-244777-1	AIEA GULCH WELLS PUMP 1 (331	99	87	107

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**

		Percent Surrogate Recovery (Acceptance Limits)		
		2NMX	PRY	TPP
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
380-244992-G-5-B MS	Matrix Spike	98	95	115
380-244992-G-5-C MSD	Matrix Spike Duplicate	99	96	118
LCS 380-262869/23-A	Lab Control Sample	97	97	107
MB 380-262869/21-A	Method Blank	96	91	113
MRL 380-262869/22-A	Lab Control Sample	98	96	115

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**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL6	TPHd14
Lab Sample ID	Client Sample ID	(33-139)	(33-126)	(12-120)	(36-120)	(10-120)	(47-131)
380-244777-1	AIEA GULCH WELLS PUMP 1 (331	61	73	45	76	28	86

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**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL6	TPHd14
Lab Sample ID	Client Sample ID	(33-139)	(33-126)	(12-120)	(36-120)	(10-120)	(47-131)
MB 570-824718/1-A	Method Blank	64	81	53	88	36	85

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)

PHL6 = Phenol-d6 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)

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

Matrix: Drinking Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL6	TPHd14
Lab Sample ID	Client Sample ID	(28-127)	(31-120)	(17-120)	(27-120)	(10-120)	(45-120)
380-244777-1	AIEA GULCH WELLS PUMP 1 (331	71	63	36	66	24	69

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**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL6	TPHd14
Lab Sample ID	Client Sample ID	(28-127)	(31-120)	(17-120)	(27-120)	(10-120)	(45-120)
LCS 570-824718/2-A	Lab Control Sample	68	70	53	58	34	72
LCSD 570-824718/3-A	Lab Control Sample Dup	76	76	55	60	35	82
MB 570-824718/1-A	Method Blank	65	67	46	73	29	69

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**

		Percent Surrogate Recovery (Acceptance Limits)
		BFB1
Lab Sample ID	Client Sample ID	(38-134)
380-244777-1	AIEA GULCH WELLS PUMP 1 (331	10

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		BFB1
Lab Sample ID	Client Sample ID	(38-134)
380-244777-2	TB: AIEA GULCH WELLS PUMP 1 (	101
380-244779-B-1 MS	Matrix Spike	103
380-244779-B-1 MSD	Matrix Spike Duplicate	103
LCS 570-823996/3	Lab Control Sample	95
LCSD 570-823996/4	Lab Control Sample Dup	94

Surrogate Summary

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

Job ID: 380-244777-1
SDG: Weekly: Aiea Gulch Wells Pump 1

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)								
		BFB1								
Lab Sample ID	Client Sample ID	(38-134)								
MB 570-823996/6	Method Blank	100								
MRL 570-823996/5	Lab Control Sample	97								

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)								
		OTCSN1								
Lab Sample ID	Client Sample ID	(60-130)								
380-244777-1 - RA	AIEA GULCH WELLS PUMP 1 (331	61								

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)								
		OTCSN1								
Lab Sample ID	Client Sample ID	(60-130)								
380-245147-C-1-A MS	Matrix Spike	70								
380-245147-C-1-B MSD	Matrix Spike Duplicate	82								
LCS 570-824865/2-A	Lab Control Sample	79								
LCSD 570-824865/3-A	Lab Control Sample Dup	105								
MB 570-824865/1-A	Method Blank	94								
MRL 570-824865/4-A	Lab Control Sample	70								

Surrogate Legend

OTCSN = n-Octacosane (Surr)

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

Lab Sample ID: MB 380-262869/21-A
Matrix: Water
Analysis Batch: 263362

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 262869

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 08:10	1
2,4'-DDD	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 08:10	1
2,4'-DDE	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 08:10	1
2,4'-DDT	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 08:10	1
2,4-Dinitrotoluene	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 08:10	1
2,6-Dinitrotoluene	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 08:10	1
2-Methylnaphthalene	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 08:10	1
4,4'-DDD	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 08:10	1
4,4'-DDE	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 08:10	1
4,4'-DDT	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 08:10	1
Acenaphthene	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 08:10	1
Acenaphthylene	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 08:10	1
Acetochlor	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 08:10	1
Alachlor	<0.049		0.049		ug/L		11/02/26 14:27	11/04/26 08:10	1
alpha-BHC	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 08:10	1
alpha-Chlordane	<0.049		0.049		ug/L		11/02/26 14:27	11/04/26 08:10	1
Anthracene	<0.020		0.020		ug/L		11/02/26 14:27	11/04/26 08:10	1
Atrazine	<0.049		0.049		ug/L		11/02/26 14:27	11/04/26 08:10	1
Benz(a)anthracene	<0.049		0.049		ug/L		11/02/26 14:27	11/04/26 08:10	1
Benzo[a]pyrene	<0.020		0.020		ug/L		11/02/26 14:27	11/04/26 08:10	1
Benzo[b]fluoranthene	<0.020		0.020		ug/L		11/02/26 14:27	11/04/26 08:10	1
Benzo[g,h,i]perylene	<0.049		0.049		ug/L		11/02/26 14:27	11/04/26 08:10	1
Benzo[k]fluoranthene	<0.020		0.020		ug/L		11/02/26 14:27	11/04/26 08:10	1
beta-BHC	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 08:10	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59		ug/L		11/02/26 14:27	11/04/26 08:10	1
Bromacil	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 08:10	1
Butachlor	<0.049		0.049		ug/L		11/02/26 14:27	11/04/26 08:10	1
Butylbenzylphthalate	<0.49		0.49		ug/L		11/02/26 14:27	11/04/26 08:10	1
Chlorobenzilate	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 08:10	1
Chloroneb	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 08:10	1
Chlorothalonil (Draconil, Bravo)	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 08:10	1
Chlorpyrifos	<0.049		0.049		ug/L		11/02/26 14:27	11/04/26 08:10	1
Chrysene	<0.020		0.020		ug/L		11/02/26 14:27	11/04/26 08:10	1
delta-BHC	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 08:10	1
Di(2-ethylhexyl)adipate	<0.59		0.59		ug/L		11/02/26 14:27	11/04/26 08:10	1
Dibenz(a,h)anthracene	<0.049		0.049		ug/L		11/02/26 14:27	11/04/26 08:10	1
Diclorvos (DDVP)	<0.049		0.049		ug/L		11/02/26 14:27	11/04/26 08:10	1
Dieldrin	<0.0098		0.0098		ug/L		11/02/26 14:27	11/04/26 08:10	1
Diethylphthalate	<0.49		0.49		ug/L		11/02/26 14:27	11/04/26 08:10	1
Dimethylphthalate	<0.49		0.49		ug/L		11/02/26 14:27	11/04/26 08:10	1
Di-n-butyl phthalate	<0.98		0.98		ug/L		11/02/26 14:27	11/04/26 08:10	1
Di-n-octyl phthalate	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 08:10	1
Endosulfan I (Alpha)	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 08:10	1
Endosulfan II (Beta)	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 08:10	1
Endosulfan sulfate	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 08:10	1
Endrin	<0.0098		0.0098		ug/L		11/02/26 14:27	11/04/26 08:10	1
Endrin aldehyde	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 08:10	1
EPTC	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 08:10	1

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

Lab Sample ID: MB 380-262869/21-A
Matrix: Water
Analysis Batch: 263362

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 262869

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 08:10	1
Fluorene	<0.049		0.049		ug/L		11/02/26 14:27	11/04/26 08:10	1
gamma-Chlordane	<0.049		0.049		ug/L		11/02/26 14:27	11/04/26 08:10	1
Heptachlor	<0.0098		0.0098		ug/L		11/02/26 14:27	11/04/26 08:10	1
Heptachlor epoxide (isomer B)	<0.0098		0.0098		ug/L		11/02/26 14:27	11/04/26 08:10	1
Hexachlorobenzene	<0.049		0.049		ug/L		11/02/26 14:27	11/04/26 08:10	1
Hexachlorocyclopentadiene	<0.049		0.049		ug/L		11/02/26 14:27	11/04/26 08:10	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049		ug/L		11/02/26 14:27	11/04/26 08:10	1
Isophorone	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 08:10	1
Lindane	<0.0098		0.0098		ug/L		11/02/26 14:27	11/04/26 08:10	1
Malathion	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 08:10	1
Methoxychlor	<0.049		0.049		ug/L		11/02/26 14:27	11/04/26 08:10	1
Metolachlor	<0.049		0.049		ug/L		11/02/26 14:27	11/04/26 08:10	1
Molinate	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 08:10	1
Naphthalene	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 08:10	1
Parathion	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 08:10	1
Pendimethalin (Penoxaline)	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 08:10	1
Phenanthrene	<0.039		0.039		ug/L		11/02/26 14:27	11/04/26 08:10	1
Propachlor	<0.049		0.049		ug/L		11/02/26 14:27	11/04/26 08:10	1
Pyrene	<0.049		0.049		ug/L		11/02/26 14:27	11/04/26 08:10	1
Simazine	<0.049		0.049		ug/L		11/02/26 14:27	11/04/26 08:10	1
Terbacil	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 08:10	1
Terbuthylazine	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 08:10	1
Thiobencarb	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 08:10	1
Total Permethrin (mixed isomers)	<0.20		0.20		ug/L		11/02/26 14:27	11/04/26 08:10	1
trans-Nonachlor	<0.049		0.049		ug/L		11/02/26 14:27	11/04/26 08:10	1
Trifluralin	<0.098		0.098		ug/L		11/02/26 14:27	11/04/26 08:10	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Undecane	*4.95*	*T J N*	*ug/L*		*3.11*	*1120-21-4*	*11/02/26 14:27*	*11/04/26 08:10*	*1*
Cyclopentasiloxane, decamethyl-	*0.829*	*T J N*	*ug/L*		*3.24*	*541-02-6*	*11/02/26 14:27*	*11/04/26 08:10*	*1*
Cyclohexasiloxane, dodecamethyl-	*0.716*	*T J N*	*ug/L*		*3.85*	*540-97-6*	*11/02/26 14:27*	*11/04/26 08:10*	*1*
9-Octadecenamide, (Z)-	*1.84*	*T J N*	*ug/L*		*7.82*	*301-02-0*	*11/02/26 14:27*	*11/04/26 08:10*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*96*		*70 - 130*	*11/02/26 14:27*	*11/04/26 08:10*	*1*
Perylene-d12	*91*		*70 - 130*	*11/02/26 14:27*	*11/04/26 08:10*	*1*
Triphenylphosphate	*113*		*70 - 130*	*11/02/26 14:27*	*11/04/26 08:10*	*1*

Lab Sample ID: LCS 380-262869/23-A
Matrix: Water
Analysis Batch: 263362

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 262869

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	1.97	1.96		ug/L		99	70 - 130
2,4'-DDD	1.97	2.05		ug/L		104	70 - 130
2,4'-DDE	1.97	1.98		ug/L		101	70 - 130
2,4'-DDT	1.97	2.04		ug/L		104	70 - 130

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

Lab Sample ID: LCS 380-262869/23-A
Matrix: Water
Analysis Batch: 263362

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 262869

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-Dinitrotoluene	1.97	2.11		ug/L		107	70 - 130
2,6-Dinitrotoluene	1.97	2.11		ug/L		107	70 - 130
2-Methylnaphthalene	1.97	1.95		ug/L		99	70 - 130
4,4'-DDD	1.97	2.20		ug/L		112	70 - 130
4,4'-DDE	1.97	1.98		ug/L		100	70 - 130
4,4'-DDT	1.97	2.04		ug/L		103	70 - 130
Acenaphthene	1.97	1.96		ug/L		100	70 - 130
Acenaphthylene	1.97	1.81		ug/L		92	70 - 130
Acetochlor	1.97	2.07		ug/L		105	70 - 130
Alachlor	1.97	2.11		ug/L		107	70 - 130
alpha-BHC	1.97	2.04		ug/L		103	70 - 130
alpha-Chlordane	1.97	2.03		ug/L		103	70 - 130
Anthracene	1.97	1.78		ug/L		91	70 - 130
Atrazine	1.97	2.12		ug/L		108	70 - 130
Benz(a)anthracene	1.97	2.14		ug/L		109	70 - 130
Benzo[a]pyrene	1.97	2.06		ug/L		105	70 - 130
Benzo[b]fluoranthene	1.97	2.17		ug/L		110	70 - 130
Benzo[g,h,i]perylene	1.97	2.01		ug/L		102	70 - 130
Benzo[k]fluoranthene	1.97	2.05		ug/L		104	70 - 130
beta-BHC	1.97	2.11		ug/L		108	70 - 130
Bis(2-ethylhexyl) phthalate	1.97	2.12		ug/L		108	70 - 130
Bromacil	1.97	2.02		ug/L		103	70 - 130
Butachlor	1.97	2.21		ug/L		113	70 - 130
Butylbenzylphthalate	1.97	2.32		ug/L		118	70 - 130
Chlorobenzilate	1.97	2.21		ug/L		112	70 - 130
Chloroneb	1.97	2.02		ug/L		102	70 - 130
Chlorothalonil (Draconil, Bravo)	1.97	1.95		ug/L		99	70 - 130
Chlorpyrifos	1.97	2.11		ug/L		107	70 - 130
Chrysene	1.97	2.00		ug/L		102	70 - 130
delta-BHC	1.97	2.15		ug/L		109	70 - 130
Di(2-ethylhexyl)adipate	1.97	2.27		ug/L		116	70 - 130
Dibenz(a,h)anthracene	1.97	2.00		ug/L		102	70 - 130
Diclorvos (DDVP)	1.97	1.93		ug/L		98	70 - 130
Dieldrin	1.97	1.93		ug/L		98	70 - 130
Diethylphthalate	1.97	2.13		ug/L		108	70 - 130
Dimethylphthalate	1.97	2.04		ug/L		104	70 - 130
Di-n-butyl phthalate	3.93	4.13		ug/L		105	70 - 130
Di-n-octyl phthalate	1.97	2.13		ug/L		108	70 - 130
Endosulfan I (Alpha)	1.97	2.06		ug/L		105	70 - 130
Endosulfan II (Beta)	1.97	2.05		ug/L		104	70 - 130
Endosulfan sulfate	1.97	1.83		ug/L		93	70 - 130
Endrin	1.97	2.07		ug/L		105	70 - 130
Endrin aldehyde	1.97	2.08		ug/L		106	60 - 130
EPTC	1.97	1.97		ug/L		100	70 - 130
Fluoranthene	1.97	2.12		ug/L		108	70 - 130
Fluorene	1.97	2.03		ug/L		103	70 - 130
gamma-Chlordane	1.97	2.14		ug/L		109	70 - 130
Heptachlor	1.97	1.87		ug/L		95	70 - 130
Heptachlor epoxide (isomer B)	1.97	2.04		ug/L		104	70 - 130

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

Lab Sample ID: LCS 380-262869/23-A
Matrix: Water
Analysis Batch: 263362

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 262869

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Hexachlorobenzene	1.97	1.89		ug/L		96	70 - 130
Hexachlorocyclopentadiene	1.97	1.73		ug/L		88	70 - 130
Indeno[1,2,3-cd]pyrene	1.97	2.07		ug/L		105	70 - 130
Isophorone	1.97	1.95		ug/L		99	70 - 130
Lindane	1.97	2.02		ug/L		102	70 - 130
Malathion	1.97	2.11		ug/L		107	70 - 130
Methoxychlor	1.97	2.17		ug/L		111	70 - 130
Metolachlor	1.97	2.08		ug/L		106	70 - 130
Molinate	1.97	2.04		ug/L		104	70 - 130
Naphthalene	1.97	1.91		ug/L		97	70 - 130
Parathion	1.97	2.28		ug/L		116	70 - 130
Pendimethalin (Penoxaline)	1.97	2.11		ug/L		107	70 - 130
Phenanthrene	1.97	2.01		ug/L		102	70 - 130
Propachlor	1.97	2.15		ug/L		109	70 - 130
Pyrene	1.97	2.14		ug/L		109	70 - 130
Simazine	1.97	2.12		ug/L		108	70 - 130
Terbacil	1.97	2.17		ug/L		111	70 - 130
Terbuthylazine	1.97	2.17		ug/L		110	70 - 130
Thiobencarb	1.97	2.17		ug/L		110	70 - 130
trans-Nonachlor	1.97	2.05		ug/L		104	70 - 130
Trifluralin	1.97	1.95		ug/L		99	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Nitro-m-xylene	*97*		*70 - 130*
Perylene-d12	*97*		*70 - 130*
Triphenylphosphate	*107*		*70 - 130*

Lab Sample ID: MRL 380-262869/22-A
Matrix: Water
Analysis Batch: 263362

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 262869

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	0.0981	0.0943	J	ug/L		96	50 - 150
2,4'-DDD	0.0981	0.0958	J	ug/L		98	50 - 150
2,4'-DDE	0.0981	0.0973	J	ug/L		99	50 - 150
2,4'-DDT	0.0981	0.111		ug/L		113	50 - 150
2,4-Dinitrotoluene	0.0981	0.101		ug/L		103	50 - 150
2,6-Dinitrotoluene	0.0981	0.0989		ug/L		101	50 - 150
2-Methylnaphthalene	0.0981	0.0944	J	ug/L		96	50 - 150
4,4'-DDD	0.0981	0.114		ug/L		117	50 - 150
4,4'-DDE	0.0981	0.0990		ug/L		101	50 - 150
4,4'-DDT	0.0981	0.110		ug/L		112	50 - 150
Acenaphthene	0.0981	0.0839	J	ug/L		86	50 - 150
Acenaphthylene	0.0981	0.0769	J	ug/L		78	50 - 150
Acetochlor	0.0981	0.0993		ug/L		101	50 - 150
Alachlor	0.0490	0.0500		ug/L		102	50 - 150
alpha-BHC	0.0981	0.0875	J	ug/L		89	50 - 150
alpha-Chlordane	0.0245	<0.028		ug/L		110	50 - 150

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

Lab Sample ID: MRL 380-262869/22-A
Matrix: Water
Analysis Batch: 263362

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 262869

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Anthracene	0.0196	0.0192	J	ug/L		98	50 - 150
Atrazine	0.0490	0.0549		ug/L		112	50 - 150
Benz(a)anthracene	0.0490	0.0534		ug/L		109	50 - 150
Benzo[a]pyrene	0.0196	0.0205		ug/L		104	50 - 150
Benzo[b]fluoranthene	0.0196	0.0205		ug/L		104	50 - 150
Benzo[g,h,i]perylene	0.0490	0.0477	J	ug/L		97	50 - 150
Benzo[k]fluoranthene	0.0196	0.0212		ug/L		108	50 - 150
beta-BHC	0.0981	0.105		ug/L		107	50 - 150
Bis(2-ethylhexyl) phthalate	0.589	0.694		ug/L		118	50 - 150
Bromacil	0.0981	0.116		ug/L		118	50 - 150
Butachlor	0.0490	0.0561		ug/L		114	50 - 150
Butylbenzylphthalate	0.490	0.591		ug/L		120	50 - 150
Chlorobenzilate	0.0981	0.116		ug/L		118	50 - 150
Chloroneb	0.0981	0.0941	J	ug/L		96	50 - 150
Chlorothalonil (Draconil, Bravo)	0.0981	0.0977	J	ug/L		100	50 - 150
Chlorpyrifos	0.0490	0.0474	J	ug/L		97	50 - 150
Chrysene	0.0196	0.0203		ug/L		104	50 - 150
delta-BHC	0.0981	0.103		ug/L		105	50 - 150
Di(2-ethylhexyl)adipate	0.589	0.757		ug/L		129	50 - 150
Dibenz(a,h)anthracene	0.0490	0.0404	J	ug/L		82	50 - 150
Diclorvos (DDVP)	0.0490	0.0491		ug/L		100	50 - 150
Dieldrin	0.00981	0.00968	J	ug/L		99	50 - 150
Diethylphthalate	0.490	0.625		ug/L		127	50 - 150
Dimethylphthalate	0.490	0.482	J	ug/L		98	50 - 150
Di-n-butyl phthalate	0.490	0.549	J	ug/L		112	49 - 243
Di-n-octyl phthalate	0.0981	0.117		ug/L		119	50 - 150
Endosulfan I (Alpha)	0.0981	0.0925	J	ug/L		94	50 - 150
Endosulfan II (Beta)	0.0981	0.103		ug/L		105	50 - 150
Endosulfan sulfate	0.0981	0.102		ug/L		104	50 - 150
Endrin	0.00981	0.0108		ug/L		110	50 - 150
Endrin aldehyde	0.0981	0.108		ug/L		110	50 - 150
EPTC	0.0981	0.0863	J	ug/L		88	50 - 150
Fluoranthene	0.0981	0.0959	J	ug/L		98	50 - 150
Fluorene	0.0490	<0.049		ug/L		92	50 - 150
gamma-Chlordane	0.0245	0.0243	J	ug/L		99	50 - 150
Heptachlor	0.00981	0.00931	J	ug/L		95	50 - 150
Heptachlor epoxide (isomer B)	0.00981	0.0107		ug/L		109	50 - 150
Hexachlorobenzene	0.0490	0.0407	J	ug/L		83	50 - 150
Hexachlorocyclopentadiene	0.0490	0.0389	J	ug/L		79	50 - 150
Indeno[1,2,3-cd]pyrene	0.0490	0.0460	J	ug/L		94	50 - 150
Isophorone	0.0981	0.0882	J	ug/L		90	50 - 150
Lindane	0.00981	0.00955	J	ug/L		97	50 - 150
Malathion	0.0981	0.112		ug/L		114	50 - 150
Methoxychlor	0.0490	0.0538		ug/L		110	50 - 150
Metolachlor	0.0490	0.0536		ug/L		109	50 - 150
Molinate	0.0981	0.0967	J	ug/L		99	50 - 150
Naphthalene	0.0981	0.0803	J	ug/L		82	50 - 150
Parathion	0.0981	0.102		ug/L		104	50 - 150
Pendimethalin (Penoxaline)	0.0981	0.110		ug/L		112	50 - 150

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

Lab Sample ID: MRL 380-262869/22-A
Matrix: Water
Analysis Batch: 263362

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 262869

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Phenanthrene	0.0392	0.0363	J	ug/L		93	50 - 150
Propachlor	0.0490	0.0533		ug/L		109	50 - 150
Pyrene	0.0490	0.0492		ug/L		100	50 - 150
Simazine	0.0490	0.0592		ug/L		121	50 - 150
Terbacil	0.0981	0.0973	J	ug/L		99	50 - 150
Terbuthylazine	0.0981	0.109		ug/L		111	50 - 150
Thiobencarb	0.0981	0.112		ug/L		114	50 - 150
trans-Nonachlor	0.0245	0.0261	J	ug/L		106	50 - 150
Trifluralin	0.0981	0.0990		ug/L		101	50 - 150

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
2-Nitro-m-xylene	*98*		*70 - 130*
Perylene-d12	*96*		*70 - 130*
Triphenylphosphate	*115*		*70 - 130*

Lab Sample ID: 380-244992-G-5-B MS
Matrix: Water
Analysis Batch: 263362

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 262869

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.098		1.96	1.98		ug/L		100	70 - 130
2,4'-DDD	<0.098		1.96	1.73		ug/L		88	70 - 130
2,4'-DDE	<0.098		1.96	1.44		ug/L		74	70 - 130
2,4'-DDT	<0.098		1.96	1.43		ug/L		73	70 - 130
2,4-Dinitrotoluene	<0.098		1.96	2.36		ug/L		120	70 - 130
2,6-Dinitrotoluene	<0.098		1.96	2.35		ug/L		117	70 - 130
2-Methylnaphthalene	<0.098		1.96	1.95		ug/L		100	70 - 130
4,4'-DDD	<0.098		1.96	1.89		ug/L		97	70 - 130
4,4'-DDE	<0.098		1.96	1.42		ug/L		72	70 - 130
4,4'-DDT	<0.098		1.96	1.44		ug/L		74	70 - 130
Acenaphthene	<0.098		1.96	1.94		ug/L		99	70 - 130
Acenaphthylene	<0.098		1.96	2.01		ug/L		103	70 - 130
Acetochlor	<0.098		1.96	2.24		ug/L		114	70 - 130
Alachlor	<0.049		1.96	2.24		ug/L		114	70 - 130
alpha-BHC	<0.098		1.96	2.03		ug/L		104	70 - 130
alpha-Chlordane	<0.049		1.96	1.80		ug/L		92	70 - 130
Anthracene	<0.020		1.96	1.75		ug/L		90	70 - 130
Atrazine	<0.049		1.96	1.91		ug/L		98	70 - 130
Benz(a)anthracene	<0.049		1.96	1.79		ug/L		92	70 - 130
Benzo[a]pyrene	<0.020		1.96	1.82		ug/L		93	70 - 130
Benzo[b]fluoranthene	<0.020		1.96	1.87		ug/L		95	70 - 130
Benzo[g,h,i]perylene	<0.049		1.96	1.62		ug/L		82	70 - 130
Benzo[k]fluoranthene	<0.020		1.96	1.74		ug/L		89	70 - 130
beta-BHC	<0.098		1.96	2.15		ug/L		110	70 - 130
Bis(2-ethylhexyl) phthalate	<0.59	F1	1.96	1.46	F1	ug/L		64	70 - 130
Bromacil	<0.098		1.96	2.50		ug/L		127	70 - 130
Butachlor	<0.049		1.96	2.34		ug/L		119	70 - 130
Butylbenzylphthalate	<0.49		1.96	2.38		ug/L		122	70 - 130

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

Lab Sample ID: 380-244992-G-5-B MS
Matrix: Water
Analysis Batch: 263362

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 262869

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chlorobenzilate	<0.098		1.96	2.34		ug/L		120	70 - 130
Chloroneb	<0.098		1.96	1.99		ug/L		102	70 - 130
Chlorothalonil (Draconil, Bravo)	<0.098		1.96	2.04		ug/L		104	70 - 130
Chlorpyrifos	<0.049		1.96	2.07		ug/L		106	70 - 130
Chrysene	<0.020		1.96	2.02		ug/L		103	70 - 130
delta-BHC	<0.098		1.96	2.10		ug/L		107	70 - 130
Di(2-ethylhexyl)adipate	<0.59	F1	1.96	1.25	F1	ug/L		64	70 - 130
Dibenz(a,h)anthracene	<0.049		1.96	1.51		ug/L		77	70 - 130
Diclorvos (DDVP)	<0.049		1.96	1.99		ug/L		101	70 - 130
Dieldrin	<0.0098		1.96	1.93		ug/L		99	70 - 130
Diethylphthalate	<0.49		1.96	2.26		ug/L		108	70 - 130
Dimethylphthalate	<0.49		1.96	2.13		ug/L		107	70 - 130
Di-n-butyl phthalate	<0.98	F1	3.92	NQ	E	ug/L			70 - 130
Di-n-octyl phthalate	<0.098	F1	1.96	1.31	F1	ug/L		67	70 - 130
Endosulfan I (Alpha)	<0.098		1.96	2.01		ug/L		103	70 - 130
Endosulfan II (Beta)	<0.098		1.96	2.00		ug/L		102	70 - 130
Endosulfan sulfate	<0.098		1.96	1.85		ug/L		94	70 - 130
Endrin	<0.0098		1.96	1.99		ug/L		102	70 - 130
Endrin aldehyde	<0.098	F2 F1	1.96	0.747	F1	ug/L		38	60 - 130
EPTC	<0.098		1.96	2.01		ug/L		103	70 - 130
Fluoranthene	<0.098		1.96	2.08		ug/L		106	70 - 130
Fluorene	<0.049		1.96	2.03		ug/L		104	70 - 130
gamma-Chlordane	<0.049		1.96	1.84		ug/L		94	70 - 130
Heptachlor	<0.0098		1.96	1.76		ug/L		90	70 - 130
Heptachlor epoxide (isomer B)	<0.0098		1.96	2.11		ug/L		108	70 - 130
Hexachlorobenzene	<0.049		1.96	1.82		ug/L		93	70 - 130
Hexachlorocyclopentadiene	<0.049		1.96	1.82		ug/L		93	70 - 130
Indeno[1,2,3-cd]pyrene	<0.049		1.96	1.65		ug/L		84	70 - 130
Isophorone	<0.098		1.96	2.02		ug/L		103	70 - 130
Lindane	<0.0098		1.96	1.94		ug/L		99	70 - 130
Malathion	<0.098		1.96	2.16		ug/L		110	70 - 130
Methoxychlor	<0.049		1.96	2.45		ug/L		125	70 - 130
Metolachlor	<0.049		1.96	2.11		ug/L		108	70 - 130
Molinate	<0.098		1.96	2.12		ug/L		108	70 - 130
Naphthalene	<0.098		1.96	1.88		ug/L		96	70 - 130
Parathion	<0.098	F1	1.96	2.70	F1	ug/L		138	70 - 130
Pendimethalin (Penoxaline)	<0.098		1.96	2.29		ug/L		117	70 - 130
Phenanthrene	<0.039		1.96	2.08		ug/L		106	70 - 130
Propachlor	<0.049		1.96	2.21		ug/L		113	70 - 130
Pyrene	<0.049		1.96	2.10		ug/L		107	70 - 130
Simazine	<0.049		1.96	1.93		ug/L		98	70 - 130
Terbacil	<0.098		1.96	2.17		ug/L		111	70 - 130
Terbuthylazine	<0.098		1.96	2.09		ug/L		107	70 - 130
Thiobencarb	<0.098		1.96	2.08		ug/L		106	70 - 130
trans-Nonachlor	<0.049		1.96	1.69		ug/L		86	70 - 130
Trifluralin	<0.098		1.96	2.06		ug/L		105	70 - 130

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

Lab Sample ID: 380-244992-G-5-B MS
Matrix: Water
Analysis Batch: 263362

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 262869

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Nitro-m-xylene	*98*		*70 - 130*
Perylene-d12	*95*		*70 - 130*
Triphenylphosphate	*115*		*70 - 130*

Lab Sample ID: 380-244992-G-5-C MSD
Matrix: Water
Analysis Batch: 263362

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 262869

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	<0.098		1.95	1.99		ug/L		101	70 - 130	0	20
2,4'-DDD	<0.098		1.95	1.82		ug/L		93	70 - 130	5	20
2,4'-DDE	<0.098		1.95	1.51		ug/L		78	70 - 130	5	20
2,4'-DDT	<0.098		1.95	1.49		ug/L		76	70 - 130	4	20
2,4-Dinitrotoluene	<0.098		1.95	2.34		ug/L		120	70 - 130	1	20
2,6-Dinitrotoluene	<0.098		1.95	2.37		ug/L		118	70 - 130	0	20
2-Methylnaphthalene	<0.098		1.95	1.99		ug/L		102	70 - 130	2	20
4,4'-DDD	<0.098		1.95	1.98		ug/L		101	70 - 130	4	20
4,4'-DDE	<0.098		1.95	1.54		ug/L		79	70 - 130	8	20
4,4'-DDT	<0.098		1.95	1.52		ug/L		78	70 - 130	5	20
Acenaphthene	<0.098		1.95	1.97		ug/L		101	70 - 130	1	20
Acenaphthylene	<0.098		1.95	2.01		ug/L		103	70 - 130	0	20
Acetochlor	<0.098		1.95	2.25		ug/L		116	70 - 130	1	20
Alachlor	<0.049		1.95	2.24		ug/L		115	70 - 130	0	20
alpha-BHC	<0.098		1.95	2.02		ug/L		104	70 - 130	0	20
alpha-Chlordane	<0.049		1.95	1.89		ug/L		97	70 - 130	5	20
Anthracene	<0.020		1.95	1.72		ug/L		88	70 - 130	2	20
Atrazine	<0.049		1.95	1.90		ug/L		97	70 - 130	1	20
Benz(a)anthracene	<0.049		1.95	1.97		ug/L		101	70 - 130	9	20
Benzo[a]pyrene	<0.020		1.95	1.77		ug/L		91	70 - 130	2	20
Benzo[b]fluoranthene	<0.020		1.95	1.89		ug/L		97	70 - 130	1	20
Benzo[g,h,i]perylene	<0.049		1.95	1.55		ug/L		80	70 - 130	4	20
Benzo[k]fluoranthene	<0.020		1.95	1.71		ug/L		88	70 - 130	2	20
beta-BHC	<0.098		1.95	2.24		ug/L		115	70 - 130	4	20
Bis(2-ethylhexyl) phthalate	<0.59	F1	1.95	1.67		ug/L		75	70 - 130	13	20
Bromacil	<0.098		1.95	2.38		ug/L		122	70 - 130	5	20
Butachlor	<0.049		1.95	2.37		ug/L		122	70 - 130	1	20
Butylbenzylphthalate	<0.49		1.95	2.43		ug/L		125	70 - 130	2	20
Chlorobenzilate	<0.098		1.95	2.37		ug/L		121	70 - 130	1	20
Chloroneb	<0.098		1.95	2.01		ug/L		103	70 - 130	1	20
Chlorothalonil (Draconil, Bravo)	<0.098		1.95	2.05		ug/L		105	70 - 130	0	20
Chlorpyrifos	<0.049		1.95	2.04		ug/L		105	70 - 130	1	20
Chrysene	<0.020		1.95	1.98		ug/L		101	70 - 130	2	20
delta-BHC	<0.098		1.95	2.12		ug/L		109	70 - 130	1	20
Di(2-ethylhexyl)adipate	<0.59	F1	1.95	1.54		ug/L		79	70 - 130	20	20
Dibenz(a,h)anthracene	<0.049		1.95	1.57		ug/L		81	70 - 130	4	20
Diclorvos (DDVP)	<0.049		1.95	2.01		ug/L		103	70 - 130	1	20
Dieldrin	<0.0098		1.95	2.00		ug/L		103	70 - 130	4	20
Diethylphthalate	<0.49		1.95	2.34		ug/L		112	70 - 130	3	20

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

Job ID: 380-244777-1
SDG: Weekly: Aiea Gulch Wells Pump 1

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

Lab Sample ID: 380-244992-G-5-C MSD
Matrix: Water
Analysis Batch: 263362

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 262869

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Dimethylphthalate	<0.49		1.95	2.17		ug/L		110	70 - 130	2	20
Di-n-butyl phthalate	<0.98	F1	3.90	NQ	E F1	ug/L		0	70 - 130	NC	20
Di-n-octyl phthalate	<0.098	F1	1.95	1.53		ug/L		79	70 - 130	16	20
Endosulfan I (Alpha)	<0.098		1.95	2.01		ug/L		103	70 - 130	0	20
Endosulfan II (Beta)	<0.098		1.95	1.97		ug/L		101	70 - 130	2	20
Endosulfan sulfate	<0.098		1.95	1.81		ug/L		93	70 - 130	2	20
Endrin	<0.0098		1.95	2.05		ug/L		105	70 - 130	3	20
Endrin aldehyde	<0.098	F2 F1	1.95	0.513	F2 F1	ug/L		26	60 - 130	37	20
EPTC	<0.098		1.95	2.04		ug/L		105	70 - 130	1	20
Fluoranthene	<0.098		1.95	2.11		ug/L		108	70 - 130	2	20
Fluorene	<0.049		1.95	2.04		ug/L		105	70 - 130	1	20
gamma-Chlordane	<0.049		1.95	1.94		ug/L		99	70 - 130	5	20
Heptachlor	<0.0098		1.95	1.82		ug/L		93	70 - 130	3	20
Heptachlor epoxide (isomer B)	<0.0098		1.95	2.14		ug/L		110	70 - 130	2	20
Hexachlorobenzene	<0.049		1.95	1.86		ug/L		95	70 - 130	3	20
Hexachlorocyclopentadiene	<0.049		1.95	1.85		ug/L		95	70 - 130	1	20
Indeno[1,2,3-cd]pyrene	<0.049		1.95	1.63		ug/L		84	70 - 130	1	20
Isophorone	<0.098		1.95	2.04		ug/L		105	70 - 130	1	20
Lindane	<0.0098		1.95	1.97		ug/L		101	70 - 130	1	20
Malathion	<0.098		1.95	2.27		ug/L		116	70 - 130	5	20
Methoxychlor	<0.049		1.95	2.26		ug/L		116	70 - 130	8	20
Metolachlor	<0.049		1.95	2.14		ug/L		110	70 - 130	1	20
Molinate	<0.098		1.95	2.14		ug/L		110	70 - 130	1	20
Naphthalene	<0.098		1.95	1.91		ug/L		98	70 - 130	2	20
Parathion	<0.098	F1	1.95	2.74	F1	ug/L		141	70 - 130	2	20
Pendimethalin (Penoxaline)	<0.098		1.95	2.32		ug/L		119	70 - 130	1	20
Phenanthrene	<0.039		1.95	2.02		ug/L		103	70 - 130	3	20
Propachlor	<0.049		1.95	2.25		ug/L		115	70 - 130	2	20
Pyrene	<0.049		1.95	2.10		ug/L		107	70 - 130	0	20
Simazine	<0.049		1.95	1.86		ug/L		95	70 - 130	4	20
Terbacil	<0.098		1.95	1.98		ug/L		102	70 - 130	9	20
Terbuthylazine	<0.098		1.95	2.09		ug/L		107	70 - 130	0	20
Thiobencarb	<0.098		1.95	2.14		ug/L		110	70 - 130	3	20
trans-Nonachlor	<0.049		1.95	1.77		ug/L		91	70 - 130	5	20
Trifluralin	<0.098		1.95	2.18		ug/L		112	70 - 130	6	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Nitro-m-xylene	*99*		*70 - 130*
Perylene-d12	*96*		*70 - 130*
Triphenylphosphate	*118*		*70 - 130*

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

Lab Sample ID: MB 570-824718/1-A
Matrix: Water
Analysis Batch: 829653

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 824718

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A	10/31/26 13:37	11/10/26 12:34	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	64		33 - 139	10/31/26 13:37	11/10/26 12:34	1
2-Fluorobiphenyl (Surr)	81		33 - 126	10/31/26 13:37	11/10/26 12:34	1
2-Fluorophenol (Surr)	53		12 - 120	10/31/26 13:37	11/10/26 12:34	1
Nitrobenzene-d5 (Surr)	88		36 - 120	10/31/26 13:37	11/10/26 12:34	1
Phenol-d6 (Surr)	36		10 - 120	10/31/26 13:37	11/10/26 12:34	1
p-Terphenyl-d14 (Surr)	85		47 - 131	10/31/26 13:37	11/10/26 12:34	1

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

Lab Sample ID: MB 570-824718/1-A
Matrix: Water
Analysis Batch: 827194

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 824718

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.20		0.20		ug/L		10/31/26 13:37	11/05/26 14:44	1
2-Methylnaphthalene	<0.20		0.20		ug/L		10/31/26 13:37	11/05/26 14:44	1
Acenaphthene	<0.20		0.20		ug/L		10/31/26 13:37	11/05/26 14:44	1
Acenaphthylene	<0.20		0.20		ug/L		10/31/26 13:37	11/05/26 14:44	1
Anthracene	<0.20		0.20		ug/L		10/31/26 13:37	11/05/26 14:44	1
Benzo[a]anthracene	<0.20		0.20		ug/L		10/31/26 13:37	11/05/26 14:44	1
Benzo[a]pyrene	<0.20		0.20		ug/L		10/31/26 13:37	11/05/26 14:44	1
Benzo[b]fluoranthene	<0.20		0.20		ug/L		10/31/26 13:37	11/05/26 14:44	1
Benzo[g,h,i]perylene	<0.20		0.20		ug/L		10/31/26 13:37	11/05/26 14:44	1
Benzo[k]fluoranthene	<0.20		0.20		ug/L		10/31/26 13:37	11/05/26 14:44	1
Chrysene	<0.20		0.20		ug/L		10/31/26 13:37	11/05/26 14:44	1
Dibenz(a,h)anthracene	<0.20		0.20		ug/L		10/31/26 13:37	11/05/26 14:44	1
Fluoranthene	<0.20		0.20		ug/L		10/31/26 13:37	11/05/26 14:44	1
Fluorene	<0.20		0.20		ug/L		10/31/26 13:37	11/05/26 14:44	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20		ug/L		10/31/26 13:37	11/05/26 14:44	1
Naphthalene	<0.20		0.20		ug/L		10/31/26 13:37	11/05/26 14:44	1
Phenanthrene	<0.20		0.20		ug/L		10/31/26 13:37	11/05/26 14:44	1
Pyrene	<0.20		0.20		ug/L		10/31/26 13:37	11/05/26 14:44	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	65		28 - 127	10/31/26 13:37	11/05/26 14:44	1
2-Fluorobiphenyl (Surr)	67		31 - 120	10/31/26 13:37	11/05/26 14:44	1
2-Fluorophenol (Surr)	46		17 - 120	10/31/26 13:37	11/05/26 14:44	1
Nitrobenzene-d5 (Surr)	73		27 - 120	10/31/26 13:37	11/05/26 14:44	1
Phenol-d6 (Surr)	29		10 - 120	10/31/26 13:37	11/05/26 14:44	1
p-Terphenyl-d14 (Surr)	69		45 - 120	10/31/26 13:37	11/05/26 14:44	1

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

Lab Sample ID: LCS 570-824718/2-A
Matrix: Water
Analysis Batch: 827194

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 824718

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	20.0	10.9		ug/L		54	47 - 120
2-Methylnaphthalene	20.0	11.0		ug/L		55	43 - 120
Acenaphthene	20.0	13.6		ug/L		68	60 - 132
Acenaphthylene	20.0	14.2		ug/L		71	54 - 126
Anthracene	20.0	14.7		ug/L		74	43 - 120
Benzo[a]anthracene	20.0	15.0		ug/L		75	42 - 133
Benzo[a]pyrene	20.0	16.8		ug/L		84	32 - 148
Benzo[b]fluoranthene	20.0	16.3		ug/L		82	42 - 140
Benzo[g,h,i]perylene	20.0	15.2		ug/L		76	1 - 195
Benzo[k]fluoranthene	20.0	15.5		ug/L		78	25 - 146
Chrysene	20.0	14.7		ug/L		73	44 - 140
Dibenz(a,h)anthracene	20.0	15.6		ug/L		78	1 - 200
Fluoranthene	20.0	16.1		ug/L		80	43 - 121
Fluorene	20.0	14.2		ug/L		71	70 - 120
Indeno[1,2,3-cd]pyrene	20.0	14.8		ug/L		74	1 - 151
Naphthalene	20.0	10.3		ug/L		52	36 - 120
Phenanthrene	20.0	14.6		ug/L		73	65 - 120
Pyrene	20.0	14.6		ug/L		73	70 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*68*		*28 - 127*
2-Fluorobiphenyl (Surr)	*70*		*31 - 120*
2-Fluorophenol (Surr)	*53*		*17 - 120*
Nitrobenzene-d5 (Surr)	*58*		*27 - 120*
Phenol-d6 (Surr)	*34*		*10 - 120*
p-Terphenyl-d14 (Surr)	*72*		*45 - 120*

Lab Sample ID: LCSD 570-824718/3-A
Matrix: Water
Analysis Batch: 827194

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 824718

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	20.0	12.2		ug/L		61	47 - 120	12	20
2-Methylnaphthalene	20.0	12.3		ug/L		62	43 - 120	12	20
Acenaphthene	20.0	15.1		ug/L		76	60 - 132	11	29
Acenaphthylene	20.0	15.5		ug/L		77	54 - 126	9	45
Anthracene	20.0	16.2		ug/L		81	43 - 120	9	40
Benzo[a]anthracene	20.0	17.3		ug/L		86	42 - 133	14	32
Benzo[a]pyrene	20.0	18.5		ug/L		93	32 - 148	10	43
Benzo[b]fluoranthene	20.0	18.3		ug/L		91	42 - 140	11	43
Benzo[g,h,i]perylene	20.0	16.7		ug/L		84	1 - 195	10	61
Benzo[k]fluoranthene	20.0	17.6		ug/L		88	25 - 146	12	38
Chrysene	20.0	16.6		ug/L		83	44 - 140	12	53
Dibenz(a,h)anthracene	20.0	17.3		ug/L		87	1 - 200	10	75
Fluoranthene	20.0	18.0		ug/L		90	43 - 121	11	40
Fluorene	20.0	15.6		ug/L		78	70 - 120	9	23
Indeno[1,2,3-cd]pyrene	20.0	16.4		ug/L		82	1 - 151	11	60
Naphthalene	20.0	11.1		ug/L		55	36 - 120	7	39

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

Lab Sample ID: LCSD 570-824718/3-A
Matrix: Water
Analysis Batch: 827194

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 824718

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phenanthrene			20.0	16.4		ug/L		82	65 - 120	11	24
Pyrene			20.0	16.9		ug/L		84	70 - 120	14	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*76*		*28 - 127*
2-Fluorobiphenyl (Surr)	*76*		*31 - 120*
2-Fluorophenol (Surr)	*55*		*17 120*
Nitrobenzene-d5 (Surr)	*60*		*27 - 120*
Phenol-d6 (Surr)	*35*		*10 - 120*
p-Terphenyl-d14 (Surr)	*82*		*45 - 120*

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

Lab Sample ID: MB 570-823996/6
Matrix: Water
Analysis Batch: 823996

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10		ug/L			10/30/26 11:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*38 - 134*		*10/30/26 11:08*	*1*

Lab Sample ID: LCS 570-823996/3
Matrix: Water
Analysis Batch: 823996

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (C4-C13)			400	316		ug/L		79	78 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*38 - 134*

Lab Sample ID: LCSD 570-823996/4
Matrix: Water
Analysis Batch: 823996

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)			400	328		ug/L		82	78 - 120	4	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*38 - 134*

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

Lab Sample ID: MRL 570-823996/5
Matrix: Water
Analysis Batch: 823996

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (C4-C13)			10.0	14.1		ug/L		141	50 - 150		

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*38 - 134*

Lab Sample ID: 380-244779-B-1 MS
Matrix: Water
Analysis Batch: 823996

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	343		ug/L		86	68 - 122		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*38 - 134*

Lab Sample ID: 380-244779-B-1 MSD
Matrix: Water
Analysis Batch: 823996

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	347		ug/L		87	68 - 122	1	18

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*38 - 134*

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

Lab Sample ID: MB 570-824865/1-A
Matrix: Water
Analysis Batch: 828440

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 824865

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<25		25		ug/L		11/01/26 13:48	11/07/26 22:16	1
Motor Oil Range Organics [C24-C36]	<25		25		ug/L		11/01/26 13:48	11/07/26 22:16	1
C8-C18	<25		25		ug/L		11/01/26 13:48	11/07/26 22:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*94*		*60 - 130*	*11/01/26 13:48*	*11/07/26 22:16*	*1*

Lab Sample ID: LCS 570-824865/2-A
Matrix: Water
Analysis Batch: 828440

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 824865

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28			1600	1000		ug/L		63	56 - 127		

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

Lab Sample ID: LCS 570-824865/2-A
Matrix: Water
Analysis Batch: 828440

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 824865

Surrogate	LCS %Recovery	LCS Qualifier	Limits
n-Octacosane (Surr)	*79*		*60 - 130*

Lab Sample ID: LCSD 570-824865/3-A
Matrix: Water
Analysis Batch: 828440

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 824865

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28			1600	1320	*1	ug/L		82	56 - 127	27	23

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
n-Octacosane (Surr)	*105*		*60 - 130*

Lab Sample ID: MRL 570-824865/4-A
Matrix: Water
Analysis Batch: 829203

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 824865

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28			0.0200	0.0207	J	mg/L		103	50 - 150		

Surrogate	MRL %Recovery	MRL Qualifier	Limits
n-Octacosane (Surr)	*70*		*60 - 130*

Lab Sample ID: 380-245147-C-1-A MS
Matrix: Water
Analysis Batch: 828440

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 824865

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28	<26	F1 *1	1620	871	F1	ug/L		54	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
n-Octacosane (Surr)	*70*		*60 - 130*

Lab Sample ID: 380-245147-C-1-B MSD
Matrix: Water
Analysis Batch: 828440

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 824865

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28	<26	F1 *1	1650	981	F1	ug/L		59	70 - 130	12	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
n-Octacosane (Surr)	*82*		*60 - 130*

QC Association Summary

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

Job ID: 380-244777-1
SDG: Weekly: Aiea Gulch Wells Pump 1

GC/MS Semi VOA

Prep Batch: 262869

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-244777-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	525.2	
MB 380-262869/21-A	Method Blank	Total/NA	Water	525.2	
LCS 380-262869/23-A	Lab Control Sample	Total/NA	Water	525.2	
MRL 380-262869/22-A	Lab Control Sample	Total/NA	Water	525.2	
380-244992-G-5-B MS	Matrix Spike	Total/NA	Water	525.2	
380-244992-G-5-C MSD	Matrix Spike Duplicate	Total/NA	Water	525.2	

Analysis Batch: 263362

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-244777-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	525.2	262869
MB 380-262869/21-A	Method Blank	Total/NA	Water	525.2	262869
LCS 380-262869/23-A	Lab Control Sample	Total/NA	Water	525.2	262869
MRL 380-262869/22-A	Lab Control Sample	Total/NA	Water	525.2	262869
380-244992-G-5-B MS	Matrix Spike	Total/NA	Water	525.2	262869
380-244992-G-5-C MSD	Matrix Spike Duplicate	Total/NA	Water	525.2	262869

Prep Batch: 824718

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-244777-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	625.1	
MB 570-824718/1-A	Method Blank	Total/NA	Water	625.1	
LCS 570-824718/2-A	Lab Control Sample	Total/NA	Water	625.1	
LCSD 570-824718/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	

Analysis Batch: 827194

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-824718/1-A	Method Blank	Total/NA	Water	625.1 SIM	824718
LCS 570-824718/2-A	Lab Control Sample	Total/NA	Water	625.1 SIM	824718
LCSD 570-824718/3-A	Lab Control Sample Dup	Total/NA	Water	625.1 SIM	824718

Analysis Batch: 827873

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-244777-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	625.1 SIM	824718

Analysis Batch: 829653

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-244777-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	625.1	824718
MB 570-824718/1-A	Method Blank	Total/NA	Water	625.1	824718

GC VOA

Analysis Batch: 823996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-244777-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	8015B GRO LL	
380-244777-2	TB: AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Water	8015B GRO LL	
MB 570-823996/6	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-823996/3	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-823996/4	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-823996/5	Lab Control Sample	Total/NA	Water	8015B GRO LL	
380-244779-B-1 MS	Matrix Spike	Total/NA	Water	8015B GRO LL	
380-244779-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B GRO LL	

QC Association Summary

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

Job ID: 380-244777-1
SDG: Weekly: Aiea Gulch Wells Pump 1

GC Semi VOA

Prep Batch: 824865

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-244777-1 - RA	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	3510C	
MB 570-824865/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-824865/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-824865/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MRL 570-824865/4-A	Lab Control Sample	Total/NA	Water	3510C	
380-245147-C-1-A MS	Matrix Spike	Total/NA	Water	3510C	
380-245147-C-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	

Analysis Batch: 828440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-824865/1-A	Method Blank	Total/NA	Water	8015B	824865
LCS 570-824865/2-A	Lab Control Sample	Total/NA	Water	8015B	824865
LCSD 570-824865/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	824865
380-245147-C-1-A MS	Matrix Spike	Total/NA	Water	8015B	824865
380-245147-C-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	8015B	824865

Analysis Batch: 829203

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-244777-1 - RA	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	8015B	824865
MRL 570-824865/4-A	Lab Control Sample	Total/NA	Water	8015B	824865

Lab Chronicle

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

Job ID: 380-244777-1
SDG: Weekly: Aiea Gulch Wells Pump 1

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

Lab Sample ID: 380-244777-1

Date Collected: 10/26/26 12:04
Date Received: 10/28/26 10:00

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			262869	IQ42	EA POM	11/02/26 14:27
Total/NA	Analysis	525.2		1	263362	Q8LA	EA POM	11/04/26 10:32
Total/NA	Prep	625.1			824718	KLZQ	EET CAL 4	11/01/26 09:26
Total/NA	Analysis	625.1		1	829653	S4EA	EET CAL 4	11/10/26 13:49
Total/NA	Prep	625.1			824718	KLZQ	EET CAL 4	11/01/26 09:26
Total/NA	Analysis	625.1 SIM		1	827873	S4EA	EET CAL 4	11/06/26 18:54
Total/NA	Analysis	8015B GRO LL		1	823996	A9VE	EET CAL 4	10/30/26 18:48
Total/NA	Prep	3510C	RA		824865	ATRL	EET CAL 4	11/01/26 13:49
Total/NA	Analysis	8015B	RA	1	829203	H6FE	EET CAL 4	11/09/26 18:36

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

Lab Sample ID: 380-244777-2

Date Collected: 10/26/26 12:04
Date Received: 10/28/26 10:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015B GRO LL		1	823996	A9VE	EET CAL 4	10/30/26 15:44

Laboratory References:

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

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

Accreditation/Certification Summary

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

Job ID: 380-244777-1
SDG: Weekly: Aiea Gulch Wells Pump 1

Laboratory: Eurofins Pomona

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

Authority	Program	Identification Number	Expiration Date
Hawaii	State	CA00006	01-31-27

The following analytes are included in this report, but the laboratory is not certified by Hawaii State CA00006. 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	Terbuthylazine
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	03-02-27
Arizona	State	AZ0830	11-16-26
California	Los Angeles County Sanitation Districts	9257304	07-31-28
California	SCAQMD LAP	17LA0919	11-30-26

Accreditation/Certification Summary

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

Job ID: 380-244777-1
SDG: Weekly: Aiea Gulch Wells Pump 1

Laboratory: Eurofins Calscience (Continued)

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

Authority	Program	Identification Number	Expiration Date
California	State	3082	07-31-28
Kansas	NELAP	E-10420	07-31-27
Nevada	State	CA00111	07-31-27
Oregon	NELAP	4175	02-02-27
Texas	NELAP	T104704499	07-31-27
USDA	US Federal Programs	525-23-159-97150	01-01-27
Utah	NELAP	CA00111	02-28-27
Washington	State	C916	10-11-27

Method Summary

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

Job ID: 380-244777-1
SDG: Weekly: Aiea Gulch Wells Pump 1

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

Protocol References:

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

Laboratory References:

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

Sample Summary

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

Job ID: 380-244777-1
SDG: Weekly: Aiea Gulch Wells Pump 1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	PWSID Number
380-244777-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Drinking Water	10/26/26 12:04	10/28/26 10:00	HI0000331
380-244777-2	TB: AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Water	10/26/26 12:04	10/28/26 10:00	

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

Chain of Custody Record

eurofins

380-244777 COC

Client Information	Sampler: bailey	Lab PM: Lopez, Maria	Carrier Tracking No(s):	COC No:
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:			Job #:

Address: 630 South Beretania Street Chemistry Lab	Due Date Requested:
City: Honolulu	TAT Requested (days):
State, Zip: HI, 96843	Compliance Project: Δ Yes Δ 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#:

Analysis Requested

Preservation Codes:
R - NaThioSO4
RA - NaThio/HCl
Q - Na2SO3
QA - Na2SO3/HCl
Y - Trizma
I - NH4 Acetate
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	625.1, 625.1_SIM	8015B_GRO_LL - (MOD) GRO	8015B_DRO_LL_C8 - HNL Ranges: C10-C24/C24-C36/C8-C18	625.2_PREC - (MOD) 625plus Plus TICs	537.1_DW_PREC - 537.1 Full List	533 - All Analytes	Total Number of containers	Special Instructions/Note:
			Preservation Code:				R	RA	Q	QA	Y	I		
Aiea Gulch Wells Pump 1 (331-201-TP071)	26-Oct-2026	1204	G	Water			2	3	2	2				
Aiea Gulch Wells Pump 1 (331-201-TP071) (Matrix Spike)				Water										
Aiea Gulch Wells Pump 1 (331-201-TP071)(Matrix Spike Duplicate)				Water										
TB: Aiea Gulch Wells Pump 1 (331-201-TP071)	26-Oct-2026	1204		Water				2						

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment: FED EX
[redacted]	Date/Time: 27 Oct 2026 1400	Company: HBWS	Received by:
	Date/Time:	Company:	Received by:
Relinquished by:	Date/Time:	Company:	Received by:

Date/Time:	Company
10/28/26 10:00	EEAP
Date/Time:	Company
Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: (TSA) 0.8°-0.2°=0.6° GEL-FROZEN

Ver: 04/02/2024

11/10/2026

ORIGIN ID:HIKA (808) 748-5840
BWS CHEMLAB
HONOLULU BOARD OF WATER SUPPLY
630 S. BERETANIA ST.
CHEMICAL LABORATORY
HONOLULU, HI 96843
UNITED STATES US

SHIP DATE: 27OCT26
ACTWGT: 57.00 LB
CAD: 258050552/INET4535

BILL RECIPIENT

TO EUROFINS RECEIVING DEPARTMENT
EUROFINS DRINKING WATER TESTING
941 CORPORATE CENTER DR

POMONA CA 91768
(626) 386-1100 REF:
INV:
PO: DEPT:

58KJ3/A338/484B

FedEx Express

J7610261610501ter

3 of 5

WED - 28 OCT 10:30A
PRIORITY OVERNIGHT

MPS# 0263 8793 1356 2911
Mstr# 8793 1356 2896

0201

91768
ONT

WM ONTA

CA-US

10/28/26 1000

3.0/2.9 BLUE ICE FROZEN

7504

After printing this label
CONSIGNEE COPY - PLEASE PLACE IN FRONT OF POUCH
1. Fold the printed page along the horizontal line.
2. Place label in shipping pouch and affix it to your shipment.

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

Chain of Custody Record

eurofins | Environ

Loc: 380
244777

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Lopez, Maria	Carrier Tracking No(s): N/A	COC No: 380-398690.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Maria.Lopez@et.eurofinsus.com	State of Origin: Hawaii	Page: Page 1 of 1
Company: Eurofins Environment Testing Southwest L		Accreditations Required (See note): State - Hawaii		Job #: 380-244777-1
Address: 2841 Dow Avenue, Suite 100,	Due Date Requested: 11/9/2026			Preservation Codes: -
City: Tustin	TAT Requested (days): N/A			
State, Zip: CA, 92780				
Phone: 714-895-5494(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: RED-HILL	Project #: 38001111			
Site: Honolulu BWS Sites	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	625.1/625_Prep(MOD) Tentatively Identified Compounds (Hold)	625.1_SIM/625_Prep(MOD) Extended PAH List	8015B_DRO_LL_CS/3510C_LL/HNL Ranges: C10-C24/C24-C36/C8-C18	8015B_GRO_LL/5030C(MOD) GRO	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
AIEA GULCH WELLS PUMP 1 (331-201-TP071) (380-244777-1)	10/26/26	12:04 Hawaiian	G	Water			X	X	X	X	7	, MRLs are needed. Confirm any hits >RL.
TB: AIEA GULCH WELLS PUMP 1 (331-201-TP071) (380-24477	10/26/26	12:04 Hawaiian	G	Water						X	2	MRLs are needed. Confirm any hits >RL.

380-244777 Chain of Custody

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

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Mark Urratia	10/28/26 1630	EEHF	Manuel Garcia	10/28/26 1630	WP
Relinquished by: Manuel Garcia	Date/Time: 10/28/26 1811	Company WW Point	Received by:	Date/Time: 10/28/26 1811	Company EC
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.1/0.9 4.3/4.1 IR-3

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-244777-1
SDG Number: Weekly: Aiea Gulch Wells Pump 1

Login Number: 244777
List Number: 1
Creator: Tran, Kristine

List Source: Eurofins Pomona

Question	Answer	Comment
The coolers custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
Samples were received on ice.	True	
Cooler(s) Temperature is acceptable.	True	
Cooler(s) Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and is legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
ClO4 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: 380-244777-1
SDG Number: Weekly: Aiea Gulch Wells Pump 1

Login Number: 244777
List Number: 2
Creator: Mills, Mary

List Source: Eurofins Calscience
List Creation: 10/28/26 07:47 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.9, 4.1
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	