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ANALYTICAL REPORT

PREPARED FOR

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City & County of Honolulu
630 South Beretania Street
Public Service Bldg. Room 310
Honolulu, Hawaii 96843

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JOB DESCRIPTION

RED-HILL
Weekly: Aiea Gulch Wells Pump 2

JOB NUMBER

380-213659-1

Eurofins Pomona

Job Notes

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

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

Compliance Statement

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

Authorization



Authorized for release by
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Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Detection Summary	6
Client Sample Results	7
Action Limit Summary	11
Surrogate Summary	12
QC Sample Results	15
QC Association Summary	29
Lab Chronicle	31
Certification Summary	32
Method Summary	34
Sample Summary	35
Chain of Custody	36
Receipt Checklists	39

Definitions/Glossary

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

Job ID: 380-213659-1
SDG: Weekly: Aiea Gulch Wells Pump 2

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD 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.

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: 380-213659-1

Job ID: 380-213659-1

Eurofins Pomona

Job Narrative 380-213659-1

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 5/13/2026 9:28 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 2.6°C and 3.9°C.

GC/MS Semi VOA

Method 625.1 SIM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 570-740088 and analytical batch 570-740892 recovered outside control limits for the following analytes: 1-Methylnaphthalene and 2-Methylnaphthalene. Laboratory control sample / laboratory control sample duplicate (LCS/LCSD) percent recovery is in control for affected analytes.

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

Gasoline Range Organics

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

Diesel Range Organics

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

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Detection Summary

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

Job ID: 380-213659-1
SDG: Weekly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: 380-213659-1

No Detections.

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

Lab Sample ID: 380-213659-2

No Detections.

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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: 380-213659-1
SDG: Weekly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: 380-213659-1

Date Collected: 05/11/26 10:56

Matrix: Drinking Water

Date Received: 05/13/26 09:28

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		05/17/26 19:14	05/18/26 12:16	1
2,4'-DDD	<0.099		0.099	ug/L		05/17/26 19:14	05/18/26 12:16	1
2,4'-DDE	<0.099		0.099	ug/L		05/17/26 19:14	05/18/26 12:16	1
2,4'-DDT	<0.099		0.099	ug/L		05/17/26 19:14	05/18/26 12:16	1
2,4-Dinitrotoluene	<0.099		0.099	ug/L		05/17/26 19:14	05/18/26 12:16	1
2,6-Dinitrotoluene	<0.099		0.099	ug/L		05/17/26 19:14	05/18/26 12:16	1
2-Methylnaphthalene	<0.099		0.099	ug/L		05/17/26 19:14	05/18/26 12:16	1
4,4'-DDD	<0.099		0.099	ug/L		05/17/26 19:14	05/18/26 12:16	1
4,4'-DDE	<0.099		0.099	ug/L		05/17/26 19:14	05/18/26 12:16	1
4,4'-DDT	<0.099		0.099	ug/L		05/17/26 19:14	05/18/26 12:16	1
Acenaphthene	<0.099		0.099	ug/L		05/17/26 19:14	05/18/26 12:16	1
Acenaphthylene	<0.099		0.099	ug/L		05/17/26 19:14	05/18/26 12:16	1
Acetochlor	<0.099		0.099	ug/L		05/17/26 19:14	05/18/26 12:16	1
Alachlor	<0.049		0.049	ug/L		05/17/26 19:14	05/18/26 12:16	1
alpha-BHC	<0.099		0.099	ug/L		05/17/26 19:14	05/18/26 12:16	1
alpha-Chlordane	<0.049		0.049	ug/L		05/17/26 19:14	05/18/26 12:16	1
Anthracene	<0.020		0.020	ug/L		05/17/26 19:14	05/18/26 12:16	1
Atrazine	<0.049		0.049	ug/L		05/17/26 19:14	05/18/26 12:16	1
Benz(a)anthracene	<0.049		0.049	ug/L		05/17/26 19:14	05/18/26 12:16	1
Benzo[a]pyrene	<0.020		0.020	ug/L		05/17/26 19:14	05/18/26 12:16	1
Benzo[b]fluoranthene	<0.020		0.020	ug/L		05/17/26 19:14	05/18/26 12:16	1
Benzo[g,h,i]perylene	<0.049		0.049	ug/L		05/17/26 19:14	05/18/26 12:16	1
Benzo[k]fluoranthene	<0.020		0.020	ug/L		05/17/26 19:14	05/18/26 12:16	1
beta-BHC	<0.099		0.099	ug/L		05/17/26 19:14	05/18/26 12:16	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59	ug/L		05/17/26 19:14	05/18/26 12:16	1
Bromacil	<0.099		0.099	ug/L		05/17/26 19:14	05/18/26 12:16	1
Butachlor	<0.049		0.049	ug/L		05/17/26 19:14	05/18/26 12:16	1
Butylbenzylphthalate	<0.49		0.49	ug/L		05/17/26 19:14	05/18/26 12:16	1
Chlorobenzilate	<0.099		0.099	ug/L		05/17/26 19:14	05/18/26 12:16	1
Chloroneb	<0.099		0.099	ug/L		05/17/26 19:14	05/18/26 12:16	1
Chlorothalonil (Draconil, Bravo)	<0.099		0.099	ug/L		05/17/26 19:14	05/18/26 12:16	1
Chlorpyrifos	<0.049		0.049	ug/L		05/17/26 19:14	05/18/26 12:16	1
Chrysene	<0.020		0.020	ug/L		05/17/26 19:14	05/18/26 12:16	1
delta-BHC	<0.099		0.099	ug/L		05/17/26 19:14	05/18/26 12:16	1
Di(2-ethylhexyl)adipate	<0.59		0.59	ug/L		05/17/26 19:14	05/18/26 12:16	1
Dibenz(a,h)anthracene	<0.049		0.049	ug/L		05/17/26 19:14	05/18/26 12:16	1
Diclorvos (DDVP)	<0.049		0.049	ug/L		05/17/26 19:14	05/18/26 12:16	1
Dieldrin	<0.0099		0.0099	ug/L		05/17/26 19:14	05/18/26 12:16	1
Diethylphthalate	<0.49		0.49	ug/L		05/17/26 19:14	05/18/26 12:16	1
Dimethylphthalate	<0.49		0.49	ug/L		05/17/26 19:14	05/18/26 12:16	1
Di-n-butyl phthalate	<0.99		0.99	ug/L		05/17/26 19:14	05/18/26 12:16	1
Di-n-octyl phthalate	<0.099		0.099	ug/L		05/17/26 19:14	05/18/26 12:16	1
Endosulfan I (Alpha)	<0.099		0.099	ug/L		05/17/26 19:14	05/18/26 12:16	1
Endosulfan II (Beta)	<0.099		0.099	ug/L		05/17/26 19:14	05/18/26 12:16	1
Endosulfan sulfate	<0.099		0.099	ug/L		05/17/26 19:14	05/18/26 12:16	1
Endrin	<0.0099		0.0099	ug/L		05/17/26 19:14	05/18/26 12:16	1
Endrin aldehyde	<0.099		0.099	ug/L		05/17/26 19:14	05/18/26 12:16	1
EPTC	<0.099		0.099	ug/L		05/17/26 19:14	05/18/26 12:16	1

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Client Sample Results

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

Job ID: 380-213659-1
SDG: Weekly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: 380-213659-1

Date Collected: 05/11/26 10:56

Matrix: Drinking Water

Date Received: 05/13/26 09:28

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		05/17/26 19:14	05/18/26 12:16	1	
Fluorene	<0.049		0.049	ug/L		05/17/26 19:14	05/18/26 12:16	1	
gamma-Chlordane	<0.049		0.049	ug/L		05/17/26 19:14	05/18/26 12:16	1	
Heptachlor	<0.0099		0.0099	ug/L		05/17/26 19:14	05/18/26 12:16	1	
Heptachlor epoxide (isomer B)	<0.0099		0.0099	ug/L		05/17/26 19:14	05/18/26 12:16	1	
Hexachlorobenzene	<0.049		0.049	ug/L		05/17/26 19:14	05/18/26 12:16	1	
Hexachlorocyclopentadiene	<0.049		0.049	ug/L		05/17/26 19:14	05/18/26 12:16	1	
Indeno[1,2,3-cd]pyrene	<0.049		0.049	ug/L		05/17/26 19:14	05/18/26 12:16	1	
Isophorone	<0.099		0.099	ug/L		05/17/26 19:14	05/18/26 12:16	1	
Lindane	<0.0099		0.0099	ug/L		05/17/26 19:14	05/18/26 12:16	1	
Malathion	<0.099		0.099	ug/L		05/17/26 19:14	05/18/26 12:16	1	
Methoxychlor	<0.049		0.049	ug/L		05/17/26 19:14	05/18/26 12:16	1	
Metolachlor	<0.049		0.049	ug/L		05/17/26 19:14	05/18/26 12:16	1	
Molinate	<0.099		0.099	ug/L		05/17/26 19:14	05/18/26 12:16	1	
Naphthalene	<0.099		0.099	ug/L		05/17/26 19:14	05/18/26 12:16	1	
Parathion	<0.099		0.099	ug/L		05/17/26 19:14	05/18/26 12:16	1	
Pendimethalin (Penoxaline)	<0.099		0.099	ug/L		05/17/26 19:14	05/18/26 12:16	1	
Phenanthrene	<0.039		0.039	ug/L		05/17/26 19:14	05/18/26 12:16	1	
Propachlor	<0.049		0.049	ug/L		05/17/26 19:14	05/18/26 12:16	1	
Pyrene	<0.049		0.049	ug/L		05/17/26 19:14	05/18/26 12:16	1	
Simazine	<0.049		0.049	ug/L		05/17/26 19:14	05/18/26 12:16	1	
Terbacil	<0.099		0.099	ug/L		05/17/26 19:14	05/18/26 12:16	1	
Terbutylazine	<0.099		0.099	ug/L		05/17/26 19:14	05/18/26 12:16	1	
Thiobencarb	<0.099		0.099	ug/L		05/17/26 19:14	05/18/26 12:16	1	
Total Permethrin (mixed isomers)	<0.20		0.20	ug/L		05/17/26 19:14	05/18/26 12:16	1	
trans-Nonachlor	<0.049		0.049	ug/L		05/17/26 19:14	05/18/26 12:16	1	
Trifluralin	<0.099		0.099	ug/L		05/17/26 19:14	05/18/26 12:16	1	
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Undecane	4.4	T J N	ug/L		3.10	1120-21-4	05/17/26 19:14	05/18/26 12:16	1
Hexazinone	0.12		ug/L		8.18	51235-04-2	05/17/26 19:14	05/18/26 12:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	97		70 - 130				05/17/26 19:14	05/18/26 12:16	1
Perylene-d12	87		70 - 130				05/17/26 19:14	05/18/26 12:16	1
Triphenylphosphate	98		70 - 130				05/17/26 19:14	05/18/26 12:16	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	*1	0.19	ug/L		05/17/26 08:58	05/19/26 13:39	1
2-Methylnaphthalene	<0.19	*1	0.19	ug/L		05/17/26 08:58	05/19/26 13:39	1
Acenaphthene	<0.19		0.19	ug/L		05/17/26 08:58	05/19/26 13:39	1
Acenaphthylene	<0.19		0.19	ug/L		05/17/26 08:58	05/19/26 13:39	1
Anthracene	<0.19		0.19	ug/L		05/17/26 08:58	05/19/26 13:39	1
Benzo[a]anthracene	<0.19		0.19	ug/L		05/17/26 08:58	05/19/26 13:39	1
Benzo[a]pyrene	<0.19		0.19	ug/L		05/17/26 08:58	05/19/26 13:39	1
Benzo[b]fluoranthene	<0.19		0.19	ug/L		05/17/26 08:58	05/19/26 13:39	1
Benzo[g,h,i]perylene	<0.19		0.19	ug/L		05/17/26 08:58	05/19/26 13:39	1
Benzo[k]fluoranthene	<0.19		0.19	ug/L		05/17/26 08:58	05/19/26 13:39	1

Eurofins Pomona

Client Sample Results

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

Job ID: 380-213659-1
SDG: Weekly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: 380-213659-1

Date Collected: 05/11/26 10:56

Matrix: Drinking Water

Date Received: 05/13/26 09:28

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
Chrysene	<0.19		0.19	ug/L		05/17/26 08:58	05/19/26 13:39	1
Dibenz(a,h)anthracene	<0.19		0.19	ug/L		05/17/26 08:58	05/19/26 13:39	1
Fluoranthene	<0.19		0.19	ug/L		05/17/26 08:58	05/19/26 13:39	1
Fluorene	<0.19		0.19	ug/L		05/17/26 08:58	05/19/26 13:39	1
Indeno[1,2,3-cd]pyrene	<0.19		0.19	ug/L		05/17/26 08:58	05/19/26 13:39	1
Naphthalene	<0.19		0.19	ug/L		05/17/26 08:58	05/19/26 13:39	1
Phenanthrene	<0.19		0.19	ug/L		05/17/26 08:58	05/19/26 13:39	1
Pyrene	<0.19		0.19	ug/L		05/17/26 08:58	05/19/26 13:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	81		28 - 127			05/17/26 08:58	05/19/26 13:39	1
2-Fluorobiphenyl (Surr)	77		31 - 120			05/17/26 08:58	05/19/26 13:39	1
2-Fluorophenol (Surr)	47		17 - 120			05/17/26 08:58	05/19/26 13:39	1
Nitrobenzene-d5 (Surr)	78		27 - 120			05/17/26 08:58	05/19/26 13:39	1
Phenol-d6 (Surr)	27		10 - 120			05/17/26 08:58	05/19/26 13:39	1
p-Terphenyl-d14 (Surr)	76		45 - 120			05/17/26 08:58	05/19/26 13:39	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	05/17/26 08:58	05/26/26 11:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	68		33 - 139				05/17/26 08:58	05/26/26 11:15	1
2-Fluorobiphenyl (Surr)	87		33 - 126				05/17/26 08:58	05/26/26 11:15	1
2-Fluorophenol (Surr)	55		12 - 120				05/17/26 08:58	05/26/26 11:15	1
Nitrobenzene-d5 (Surr)	85		36 - 120				05/17/26 08:58	05/26/26 11:15	1
Phenol-d6 (Surr)	31		10 - 120				05/17/26 08:58	05/26/26 11:15	1
p-Terphenyl-d14 (Surr)	84		47 - 131				05/17/26 08:58	05/26/26 11:15	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			05/19/26 03:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		38 - 134				05/19/26 03:55	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)	<26		26	ug/L		05/15/26 07:20	05/17/26 02:53	1
Motor Oil Range Organics [C24-C36]	<26		26	ug/L		05/15/26 07:20	05/17/26 02:53	1
C8-C18	<26		26	ug/L		05/15/26 07:20	05/17/26 02:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	108		60 - 130			05/15/26 07:20	05/17/26 02:53	1

Client Sample Results

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

Job ID: 380-213659-1
 SDG: Weekly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: 380-213659-2

Date Collected: 05/11/26 10:56

Matrix: Water

Date Received: 05/13/26 09:28

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			05/18/26 23:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		38 - 134				05/18/26 23:41	1

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Action Limit Summary

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

Job ID: 380-213659-1
SDG: Weekly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: 380-213659-1

Compliance Check

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

Analyte	Result	Qualifier	Unit	EPAMCL Limit	RL	Method	Prep Type
Alachlor	<0.049		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

Surrogate Summary

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

Job ID: 380-213659-1
SDG: Weekly: Aiea Gulch Wells Pump 2

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

Matrix: Drinking Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		2NMX (70-130)	PRY (70-130)	TPP (70-130)
380-213659-1	AIEA GULCH WELLS PUMP 2 (331)	97	87	98

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)
380-213655-I-1-A MS	Matrix Spike	95	95	102
380-213657-I-1-A DU	Duplicate	95	91	99
LCS 380-227605/23-A	Lab Control Sample	93	95	104
MB 380-227605/21-A	Method Blank	95	82	95
MRL 380-227605/22-A	Lab Control Sample	95	85	97

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)
380-213659-1	AIEA GULCH WELLS PUMP 2 (331)	68	87	55	85	31	84

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)
380-213659-1	AIEA GULCH WELLS PUMP 2 (331)	81	77	47	78	27	76

Surrogate Legend

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

Surrogate Summary

Client: City & County of Honolulu

Job ID: 380-213659-1

Project/Site: RED-HILL

SDG: Weekly: Aiea Gulch Wells Pump 2

PHL6 = Phenol-d6 (Surr)

TPHd14 = p-Terphenyl-d14 (Surr)

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (28-127)	FBP (31-120)	2FP (17-120)	NBZ (27-120)	PHL6 (10-120)	TPHd14 (45-120)
LCS 570-740088/2-A	Lab Control Sample	75	70	49	56	33	83
LCSD 570-740088/3-A	Lab Control Sample Dup	87	82	58	68	41	92
MB 570-740088/1-A	Method Blank	74	68	43	73	26	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)
380-213659-1	AIEA GULCH WELLS PUMP 2 (331)	98

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		BFB1 (38-134)
380-213659-2	TB: AIEA GULCH WELLS PUMP 2 (104
380-213690-B-1 MS	Matrix Spike	99
380-213690-B-1 MSD	Matrix Spike Duplicate	99
LCS 570-740696/3	Lab Control Sample	101
LCSD 570-740696/4	Lab Control Sample Dup	103
MB 570-740696/6	Method Blank	103
MRL 570-740696/5	Lab Control Sample	100

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

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

Matrix: Drinking Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		OTCSN1 (60-130)
380-213659-1	AIEA GULCH WELLS PUMP 2 (331)	108

Surrogate Legend

OTCSN = n-Octacosane (Surr)

Surrogate Summary

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

Job ID: 380-213659-1
SDG: Weekly: Aiea Gulch Wells Pump 2

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)
380-213690-C-1-A MS	Matrix Spike	114
380-213690-C-1-B MSD	Matrix Spike Duplicate	105
LCS 570-739333/2-A	Lab Control Sample	105
LCSD 570-739333/3-A	Lab Control Sample Dup	117
MB 570-739333/1-A	Method Blank	115
MRL 570-739333/4-A	Lab Control Sample	114

Surrogate Legend

OTCSN = n-Octacosane (Surr)

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QC Sample Results

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

Job ID: 380-213659-1
SDG: Weekly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: MB 380-227605/21-A
Matrix: Water
Analysis Batch: 227747

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 227605

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
1-Methylnaphthalene	<0.098		0.098	ug/L		05/17/26 19:14	05/18/26 09:53	1
2,4'-DDD	<0.098		0.098	ug/L		05/17/26 19:14	05/18/26 09:53	1
2,4'-DDE	<0.098		0.098	ug/L		05/17/26 19:14	05/18/26 09:53	1
2,4'-DDT	<0.098		0.098	ug/L		05/17/26 19:14	05/18/26 09:53	1
2,4-Dinitrotoluene	<0.098		0.098	ug/L		05/17/26 19:14	05/18/26 09:53	1
2,6-Dinitrotoluene	<0.098		0.098	ug/L		05/17/26 19:14	05/18/26 09:53	1
2-Methylnaphthalene	<0.098		0.098	ug/L		05/17/26 19:14	05/18/26 09:53	1
4,4'-DDD	<0.098		0.098	ug/L		05/17/26 19:14	05/18/26 09:53	1
4,4'-DDE	<0.098		0.098	ug/L		05/17/26 19:14	05/18/26 09:53	1
4,4'-DDT	<0.098		0.098	ug/L		05/17/26 19:14	05/18/26 09:53	1
Acenaphthene	<0.098		0.098	ug/L		05/17/26 19:14	05/18/26 09:53	1
Acenaphthylene	<0.098		0.098	ug/L		05/17/26 19:14	05/18/26 09:53	1
Acetochlor	<0.098		0.098	ug/L		05/17/26 19:14	05/18/26 09:53	1
Alachlor	<0.049		0.049	ug/L		05/17/26 19:14	05/18/26 09:53	1
alpha-BHC	<0.098		0.098	ug/L		05/17/26 19:14	05/18/26 09:53	1
alpha-Chlordane	<0.049		0.049	ug/L		05/17/26 19:14	05/18/26 09:53	1
Anthracene	<0.020		0.020	ug/L		05/17/26 19:14	05/18/26 09:53	1
Atrazine	<0.049		0.049	ug/L		05/17/26 19:14	05/18/26 09:53	1
Benz(a)anthracene	<0.049		0.049	ug/L		05/17/26 19:14	05/18/26 09:53	1
Benzo[a]pyrene	<0.020		0.020	ug/L		05/17/26 19:14	05/18/26 09:53	1
Benzo[b]fluoranthene	<0.020		0.020	ug/L		05/17/26 19:14	05/18/26 09:53	1
Benzo[g,h,i]perylene	<0.049		0.049	ug/L		05/17/26 19:14	05/18/26 09:53	1
Benzo[k]fluoranthene	<0.020		0.020	ug/L		05/17/26 19:14	05/18/26 09:53	1
beta-BHC	<0.098		0.098	ug/L		05/17/26 19:14	05/18/26 09:53	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59	ug/L		05/17/26 19:14	05/18/26 09:53	1
Bromacil	<0.098		0.098	ug/L		05/17/26 19:14	05/18/26 09:53	1
Butachlor	<0.049		0.049	ug/L		05/17/26 19:14	05/18/26 09:53	1
Butylbenzylphthalate	<0.49		0.49	ug/L		05/17/26 19:14	05/18/26 09:53	1
Chlorobenzilate	<0.098		0.098	ug/L		05/17/26 19:14	05/18/26 09:53	1
Chloroneb	<0.098		0.098	ug/L		05/17/26 19:14	05/18/26 09:53	1
Chlorothalonil (Draconil, Bravo)	<0.098		0.098	ug/L		05/17/26 19:14	05/18/26 09:53	1
Chlorpyrifos	<0.049		0.049	ug/L		05/17/26 19:14	05/18/26 09:53	1
Chrysene	<0.020		0.020	ug/L		05/17/26 19:14	05/18/26 09:53	1
delta-BHC	<0.098		0.098	ug/L		05/17/26 19:14	05/18/26 09:53	1
Di(2-ethylhexyl)adipate	<0.59		0.59	ug/L		05/17/26 19:14	05/18/26 09:53	1
Dibenz(a,h)anthracene	<0.049		0.049	ug/L		05/17/26 19:14	05/18/26 09:53	1
Diclorvos (DDVP)	<0.049		0.049	ug/L		05/17/26 19:14	05/18/26 09:53	1
Dieldrin	<0.0098		0.0098	ug/L		05/17/26 19:14	05/18/26 09:53	1
Diethylphthalate	<0.49		0.49	ug/L		05/17/26 19:14	05/18/26 09:53	1
Dimethylphthalate	<0.49		0.49	ug/L		05/17/26 19:14	05/18/26 09:53	1
Di-n-butyl phthalate	<0.98		0.98	ug/L		05/17/26 19:14	05/18/26 09:53	1
Di-n-octyl phthalate	<0.098		0.098	ug/L		05/17/26 19:14	05/18/26 09:53	1
Endosulfan I (Alpha)	<0.098		0.098	ug/L		05/17/26 19:14	05/18/26 09:53	1
Endosulfan II (Beta)	<0.098		0.098	ug/L		05/17/26 19:14	05/18/26 09:53	1
Endosulfan sulfate	<0.098		0.098	ug/L		05/17/26 19:14	05/18/26 09:53	1
Endrin	<0.0098		0.0098	ug/L		05/17/26 19:14	05/18/26 09:53	1
Endrin aldehyde	<0.098		0.098	ug/L		05/17/26 19:14	05/18/26 09:53	1
EPTC	<0.098		0.098	ug/L		05/17/26 19:14	05/18/26 09:53	1

QC Sample Results

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

Job ID: 380-213659-1
SDG: Weekly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: MB 380-227605/21-A
Matrix: Water
Analysis Batch: 227747

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 227605

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Fluoranthene	<0.098		0.098	ug/L		05/17/26 19:14	05/18/26 09:53	1
Fluorene	<0.049		0.049	ug/L		05/17/26 19:14	05/18/26 09:53	1
gamma-Chlordane	<0.049		0.049	ug/L		05/17/26 19:14	05/18/26 09:53	1
Heptachlor	<0.0098		0.0098	ug/L		05/17/26 19:14	05/18/26 09:53	1
Heptachlor epoxide (isomer B)	<0.0098		0.0098	ug/L		05/17/26 19:14	05/18/26 09:53	1
Hexachlorobenzene	<0.049		0.049	ug/L		05/17/26 19:14	05/18/26 09:53	1
Hexachlorocyclopentadiene	<0.049		0.049	ug/L		05/17/26 19:14	05/18/26 09:53	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049	ug/L		05/17/26 19:14	05/18/26 09:53	1
Isophorone	<0.098		0.098	ug/L		05/17/26 19:14	05/18/26 09:53	1
Lindane	<0.0098		0.0098	ug/L		05/17/26 19:14	05/18/26 09:53	1
Malathion	<0.098		0.098	ug/L		05/17/26 19:14	05/18/26 09:53	1
Methoxychlor	<0.049		0.049	ug/L		05/17/26 19:14	05/18/26 09:53	1
Metolachlor	<0.049		0.049	ug/L		05/17/26 19:14	05/18/26 09:53	1
Molinate	<0.098		0.098	ug/L		05/17/26 19:14	05/18/26 09:53	1
Naphthalene	<0.098		0.098	ug/L		05/17/26 19:14	05/18/26 09:53	1
Parathion	<0.098		0.098	ug/L		05/17/26 19:14	05/18/26 09:53	1
Pendimethalin (Penoxaline)	<0.098		0.098	ug/L		05/17/26 19:14	05/18/26 09:53	1
Phenanthrene	<0.039		0.039	ug/L		05/17/26 19:14	05/18/26 09:53	1
Propachlor	<0.049		0.049	ug/L		05/17/26 19:14	05/18/26 09:53	1
Pyrene	<0.049		0.049	ug/L		05/17/26 19:14	05/18/26 09:53	1
Simazine	<0.049		0.049	ug/L		05/17/26 19:14	05/18/26 09:53	1
Terbacil	<0.098		0.098	ug/L		05/17/26 19:14	05/18/26 09:53	1
Terbutylazine	<0.098		0.098	ug/L		05/17/26 19:14	05/18/26 09:53	1
Thiobencarb	<0.098		0.098	ug/L		05/17/26 19:14	05/18/26 09:53	1
Total Permethrin (mixed isomers)	<0.20		0.20	ug/L		05/17/26 19:14	05/18/26 09:53	1
trans-Nonachlor	<0.049		0.049	ug/L		05/17/26 19:14	05/18/26 09:53	1
Trifluralin	<0.098		0.098	ug/L		05/17/26 19:14	05/18/26 09:53	1

Tentatively Identified Compound	MB	MB	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
	Est. Result	Qualifier							
Undecane	4.35	T J N	ug/L		3.10	1120-21-4	05/17/26 19:14	05/18/26 09:53	1
Cyclopentasiloxane, decamethyl-	0.538	T J N	ug/L		3.24	541-02-6	05/17/26 19:14	05/18/26 09:53	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2-Nitro-m-xylene	95		70 - 130	05/17/26 19:14	05/18/26 09:53	1
Perylene-d12	82		70 - 130	05/17/26 19:14	05/18/26 09:53	1
Triphenylphosphate	95		70 - 130	05/17/26 19:14	05/18/26 09:53	1

Lab Sample ID: LCS 380-227605/23-A
Matrix: Water
Analysis Batch: 227747

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 227605

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
1-Methylnaphthalene	1.97	1.87		ug/L		95	70 - 130
2,4'-DDD	1.97	2.00		ug/L		102	70 - 130
2,4'-DDE	1.97	1.96		ug/L		100	70 - 130
2,4'-DDT	1.97	2.02		ug/L		103	70 - 130
2,4-Dinitrotoluene	1.97	1.91		ug/L		97	70 - 130
2,6-Dinitrotoluene	1.97	1.86		ug/L		94	70 - 130

Eurofins Pomona

QC Sample Results

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

Job ID: 380-213659-1
 SDG: Weekly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: LCS 380-227605/23-A

Matrix: Water

Analysis Batch: 227747

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 227605

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec Limits
	Added	Result	Qualifier				
2-Methylnaphthalene	1.97	1.88		ug/L		96	70 - 130
4,4'-DDD	1.97	2.10		ug/L		106	70 - 130
4,4'-DDE	1.97	1.90		ug/L		97	70 - 130
4,4'-DDT	1.97	2.08		ug/L		106	70 - 130
Acenaphthene	1.97	1.92		ug/L		98	70 - 130
Acenaphthylene	1.97	1.80		ug/L		92	70 - 130
Acetochlor	1.97	1.98		ug/L		101	70 - 130
Alachlor	1.97	1.97		ug/L		100	70 - 130
alpha-BHC	1.97	1.98		ug/L		101	70 - 130
alpha-Chlordane	1.97	2.17		ug/L		110	70 - 130
Anthracene	1.97	1.91		ug/L		97	70 - 130
Atrazine	1.97	2.03		ug/L		103	70 - 130
Benz(a)anthracene	1.97	2.17		ug/L		110	70 - 130
Benzo[a]pyrene	1.97	1.96		ug/L		99	70 - 130
Benzo[b]fluoranthene	1.97	2.08		ug/L		106	70 - 130
Benzo[g,h,i]perylene	1.97	1.96		ug/L		100	70 - 130
Benzo[k]fluoranthene	1.97	2.00		ug/L		102	70 - 130
beta-BHC	1.97	2.15		ug/L		109	70 - 130
Bis(2-ethylhexyl) phthalate	1.97	1.92		ug/L		97	70 - 130
Bromacil	1.97	1.84		ug/L		93	70 - 130
Butachlor	1.97	2.00		ug/L		101	70 - 130
Butylbenzylphthalate	1.97	1.98		ug/L		100	70 - 130
Chlorobenzilate	1.97	1.94		ug/L		98	70 - 130
Chloroneb	1.97	2.14		ug/L		109	70 - 130
Chlorothalonil (Draconil, Bravo)	1.97	1.97		ug/L		100	70 - 130
Chlorpyrifos	1.97	2.07		ug/L		105	70 - 130
Chrysene	1.97	2.16		ug/L		110	70 - 130
delta-BHC	1.97	2.01		ug/L		102	70 - 130
Di(2-ethylhexyl)adipate	1.97	1.98		ug/L		101	70 - 130
Dibenz(a,h)anthracene	1.97	1.95		ug/L		99	70 - 130
Diclorvos (DDVP)	1.97	1.96		ug/L		99	70 - 130
Dieldrin	1.97	2.07		ug/L		105	70 - 130
Diethylphthalate	1.97	2.09		ug/L		106	70 - 130
Dimethylphthalate	1.97	2.05		ug/L		104	70 - 130
Di-n-butyl phthalate	3.94	4.18		ug/L		106	70 - 130
Di-n-octyl phthalate	1.97	1.88		ug/L		96	70 - 130
Endosulfan I (Alpha)	1.97	2.15		ug/L		109	70 - 130
Endosulfan II (Beta)	1.97	2.16		ug/L		109	70 - 130
Endosulfan sulfate	1.97	1.95		ug/L		99	70 - 130
Endrin	1.97	2.24		ug/L		114	70 - 130
Endrin aldehyde	1.97	1.99		ug/L		101	60 - 130
EPTC	1.97	2.02		ug/L		103	70 - 130
Fluoranthene	1.97	1.98		ug/L		101	70 - 130
Fluorene	1.97	2.06		ug/L		105	70 - 130
gamma-Chlordane	1.97	2.33		ug/L		118	70 - 130
Heptachlor	1.97	2.06		ug/L		105	70 - 130
Heptachlor epoxide (isomer B)	1.97	2.02		ug/L		103	70 - 130
Hexachlorobenzene	1.97	2.00		ug/L		102	70 - 130
Hexachlorocyclopentadiene	1.97	1.85		ug/L		94	70 - 130

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QC Sample Results

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

Job ID: 380-213659-1
SDG: Weekly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: LCS 380-227605/23-A

Matrix: Water

Analysis Batch: 227747

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 227605

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Indeno[1,2,3-cd]pyrene	1.97	1.95		ug/L		99	70 - 130
Isophorone	1.97	1.93		ug/L		98	70 - 130
Lindane	1.97	2.10		ug/L		107	70 - 130
Malathion	1.97	1.94		ug/L		98	70 - 130
Methoxychlor	1.97	2.03		ug/L		103	70 - 130
Metolachlor	1.97	2.02		ug/L		102	70 - 130
Molinate	1.97	2.08		ug/L		105	70 - 130
Naphthalene	1.97	1.86		ug/L		95	70 - 130
Parathion	1.97	2.03		ug/L		103	70 - 130
Pendimethalin (Penoxaline)	1.97	1.91		ug/L		97	70 - 130
Phenanthrene	1.97	2.02		ug/L		102	70 - 130
Propachlor	1.97	2.03		ug/L		103	70 - 130
Pyrene	1.97	2.06		ug/L		105	70 - 130
Simazine	1.97	2.02		ug/L		103	70 - 130
Terbacil	1.97	1.98		ug/L		100	70 - 130
Terbutylazine	1.97	2.08		ug/L		106	70 - 130
Thiobencarb	1.97	1.93		ug/L		98	70 - 130
trans-Nonachlor	1.97	2.12		ug/L		108	70 - 130
Trifluralin	1.97	1.78		ug/L		91	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2-Nitro-m-xylene	93		70 - 130
Perylene-d12	95		70 - 130
Triphenylphosphate	104		70 - 130

Lab Sample ID: MRL 380-227605/22-A

Matrix: Water

Analysis Batch: 227747

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 227605

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	0.0981	0.103		ug/L		105	50 - 150
2,4'-DDD	0.0981	0.0913	J	ug/L		93	50 - 150
2,4'-DDE	0.0981	0.100		ug/L		102	50 - 150
2,4'-DDT	0.0981	0.109		ug/L		111	50 - 150
2,4-Dinitrotoluene	0.0981	0.105		ug/L		107	50 - 150
2,6-Dinitrotoluene	0.0981	0.121		ug/L		123	50 - 150
2-Methylnaphthalene	0.0981	0.0973	J	ug/L		99	50 - 150
4,4'-DDD	0.0981	0.109		ug/L		111	50 - 150
4,4'-DDE	0.0981	0.0949	J	ug/L		97	50 - 150
4,4'-DDT	0.0981	0.112		ug/L		115	50 - 150
Acenaphthene	0.0981	0.0891	J	ug/L		91	50 - 150
Acenaphthylene	0.0981	0.0752	J	ug/L		77	50 - 150
Acetochlor	0.0981	0.114		ug/L		116	50 - 150
Alachlor	0.0491	0.0577		ug/L		118	50 - 150
alpha-BHC	0.0981	0.0946	J	ug/L		96	50 - 150
alpha-Chlordane	0.0245	<0.028		ug/L		114	50 - 150
Anthracene	0.0196	0.0238		ug/L		121	50 - 150
Atrazine	0.0491	0.0717		ug/L		146	50 - 150

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QC Sample Results

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

Job ID: 380-213659-1
SDG: Weekly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: MRL 380-227605/22-A

Matrix: Water

Analysis Batch: 227747

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 227605

Analyte	Spike	MRL	MRL	Unit	D	%Rec	%Rec Limits
	Added	Result	Qualifier				
Benz(a)anthracene	0.0491	0.0528		ug/L		108	50 - 150
Benzo[a]pyrene	0.0196	0.0229		ug/L		117	50 - 150
Benzo[b]fluoranthene	0.0196	0.0235		ug/L		120	50 - 150
Benzo[g,h,i]perylene	0.0491	0.0590		ug/L		120	50 - 150
Benzo[k]fluoranthene	0.0196	0.0237		ug/L		121	50 - 150
beta-BHC	0.0981	0.0992		ug/L		101	50 - 150
Bis(2-ethylhexyl) phthalate	0.589	0.529	J	ug/L		90	50 - 150
Bromacil	0.0981	0.104		ug/L		106	50 - 150
Butachlor	0.0491	0.0641		ug/L		131	50 - 150
Butylbenzylphthalate	0.491	0.467	J	ug/L		95	50 - 150
Chlorobenzilate	0.0981	0.0962	J	ug/L		98	50 - 150
Chloroneb	0.0981	0.108		ug/L		110	50 - 150
Chlorothalonil (Draconil, Bravo)	0.0981	0.0966	J	ug/L		98	50 - 150
Chlorpyrifos	0.0491	0.0586		ug/L		119	50 - 150
Chrysene	0.0196	0.0223		ug/L		114	50 - 150
delta-BHC	0.0981	0.0939	J	ug/L		96	50 - 150
Di(2-ethylhexyl)adipate	0.589	0.565	J	ug/L		96	50 - 150
Dibenz(a,h)anthracene	0.0491	0.0619		ug/L		126	50 - 150
Diclorvos (DDVP)	0.0491	0.0491		ug/L		100	50 - 150
Dieldrin	0.00981	0.0108		ug/L		110	50 - 150
Diethylphthalate	0.491	0.530		ug/L		108	50 - 150
Dimethylphthalate	0.491	0.494		ug/L		101	50 - 150
Di-n-butyl phthalate	0.491	0.506	J	ug/L		103	49 - 243
Di-n-octyl phthalate	0.0981	0.0911	J	ug/L		93	50 - 150
Endosulfan I (Alpha)	0.0981	0.0851	J	ug/L		87	50 - 150
Endosulfan II (Beta)	0.0981	0.0891	J	ug/L		91	50 - 150
Endosulfan sulfate	0.0981	0.102		ug/L		104	50 - 150
Endrin	0.00981	0.0142		ug/L		145	50 - 150
Endrin aldehyde	0.0981	0.105		ug/L		107	50 - 150
EPTC	0.0981	0.0952	J	ug/L		97	50 - 150
Fluoranthene	0.0981	0.0969	J	ug/L		99	50 - 150
Fluorene	0.0491	0.0491		ug/L		100	50 - 150
gamma-Chlordane	0.0245	0.0261	J	ug/L		106	50 - 150
Heptachlor	0.00981	0.00974	J	ug/L		99	50 - 150
Heptachlor epoxide (isomer B)	0.00981	0.0133		ug/L		136	50 - 150
Hexachlorobenzene	0.0491	0.0486	J	ug/L		99	50 - 150
Hexachlorocyclopentadiene	0.0491	0.0476	J	ug/L		97	50 - 150
Indeno[1,2,3-cd]pyrene	0.0491	0.0605		ug/L		123	50 - 150
Isophorone	0.0981	0.113		ug/L		115	50 - 150
Lindane	0.00981	0.0128		ug/L		130	50 - 150
Malathion	0.0981	0.0929	J	ug/L		95	50 - 150
Methoxychlor	0.0491	0.0711		ug/L		145	50 - 150
Metolachlor	0.0491	0.0596		ug/L		122	50 - 150
Molinate	0.0981	0.100		ug/L		102	50 - 150
Naphthalene	0.0981	0.0911	J	ug/L		93	50 - 150
Parathion	0.0981	0.0875	J	ug/L		89	50 - 150
Pendimethalin (Penoxaline)	0.0981	0.0968	J	ug/L		99	50 - 150
Phenanthrene	0.0393	0.0388	J	ug/L		99	50 - 150
Propachlor	0.0491	0.0593		ug/L		121	50 - 150

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QC Sample Results

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

Job ID: 380-213659-1
SDG: Weekly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: MRL 380-227605/22-A

Matrix: Water

Analysis Batch: 227747

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 227605

Analyte	Spike	MRL	MRL	Unit	D	%Rec	%Rec Limits
	Added	Result	Qualifier				
Pyrene	0.0491	0.0578		ug/L		118	50 - 150
Simazine	0.0491	0.0603		ug/L		123	50 - 150
Terbacil	0.0981	0.0955	J	ug/L		97	50 - 150
Terbutylazine	0.0981	0.107		ug/L		109	50 - 150
Thiobencarb	0.0981	0.103		ug/L		105	50 - 150
trans-Nonachlor	0.0245	0.0271	J	ug/L		110	50 - 150
Trifluralin	0.0981	0.101		ug/L		103	50 - 150

Surrogate	MRL	MRL	Limits
	%Recovery	Qualifier	
2-Nitro-m-xylene	95		70 - 130
Perylene-d12	85		70 - 130
Triphenylphosphate	97		70 - 130

Lab Sample ID: 380-213655-I-1-A MS

Matrix: Water

Analysis Batch: 227747

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 227605

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier	Added	Result	Qualifier				
1-Methylnaphthalene	<0.099		1.96	1.93		ug/L		98	70 - 130
2,4'-DDD	<0.099		1.96	1.98		ug/L		101	70 - 130
2,4'-DDE	<0.099		1.96	1.89		ug/L		97	70 - 130
2,4'-DDT	<0.099		1.96	2.03		ug/L		104	70 - 130
2,4-Dinitrotoluene	<0.099		1.96	2.07		ug/L		106	70 - 130
2,6-Dinitrotoluene	<0.099		1.96	2.06		ug/L		105	70 - 130
2-Methylnaphthalene	<0.099		1.96	1.97		ug/L		101	70 - 130
4,4'-DDD	<0.099		1.96	2.09		ug/L		107	70 - 130
4,4'-DDE	<0.099		1.96	1.97		ug/L		101	70 - 130
4,4'-DDT	<0.099		1.96	2.14		ug/L		109	70 - 130
Acenaphthene	<0.099		1.96	1.98		ug/L		101	70 - 130
Acenaphthylene	<0.099		1.96	2.03		ug/L		104	70 - 130
Acetochlor	<0.099		1.96	1.95		ug/L		100	70 - 130
Alachlor	<0.050		1.96	1.99		ug/L		101	70 - 130
alpha-BHC	<0.099		1.96	2.02		ug/L		103	70 - 130
alpha-Chlordane	<0.050		1.96	2.15		ug/L		108	70 - 130
Anthracene	<0.020		1.96	1.90		ug/L		97	70 - 130
Atrazine	<0.050		1.96	2.05		ug/L		105	70 - 130
Benz(a)anthracene	<0.050		1.96	2.18		ug/L		111	70 - 130
Benzo[a]pyrene	<0.020		1.96	2.08		ug/L		106	70 - 130
Benzo[b]fluoranthene	<0.020		1.96	2.13		ug/L		109	70 - 130
Benzo[g,h,i]perylene	<0.050		1.96	1.98		ug/L		101	70 - 130
Benzo[k]fluoranthene	<0.020		1.96	2.06		ug/L		105	70 - 130
beta-BHC	<0.099		1.96	2.18		ug/L		111	70 - 130
Bis(2-ethylhexyl) phthalate	<0.59		1.96	2.01		ug/L		102	70 - 130
Bromacil	<0.099		1.96	1.99		ug/L		99	70 - 130
Butachlor	<0.050		1.96	2.01		ug/L		102	70 - 130
Butylbenzylphthalate	<0.50		1.96	2.00		ug/L		102	70 - 130
Chlorobenzilate	<0.099		1.96	1.93		ug/L		98	70 - 130
Chloroneb	<0.099		1.96	2.14		ug/L		109	70 - 130

QC Sample Results

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

Job ID: 380-213659-1
SDG: Weekly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: 380-213655-I-1-A MS

Client Sample ID: Matrix Spike

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 227747

Prep Batch: 227605

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier	Added	Result	Qualifier				
Chlorothalonil (Draconil, Bravo)	<0.099		1.96	2.00		ug/L		102	70 - 130
Chlorpyrifos	<0.050		1.96	2.01		ug/L		102	70 - 130
Chrysene	<0.020		1.96	2.25		ug/L		115	70 - 130
delta-BHC	<0.099		1.96	2.02		ug/L		103	70 - 130
Di(2-ethylhexyl)adipate	<0.59		1.96	2.04		ug/L		104	70 - 130
Dibenz(a,h)anthracene	<0.050		1.96	1.99		ug/L		101	70 - 130
Diclorvos (DDVP)	<0.050		1.96	2.09		ug/L		107	70 - 130
Dieldrin	0.021		1.96	2.14		ug/L		108	70 - 130
Diethylphthalate	<0.50		1.96	2.17		ug/L		111	70 - 130
Dimethylphthalate	<0.50		1.96	2.10		ug/L		107	70 - 130
Di-n-butyl phthalate	<0.99		3.92	4.01		ug/L		102	70 - 130
Di-n-octyl phthalate	<0.099		1.96	2.01		ug/L		102	70 - 130
Endosulfan I (Alpha)	<0.099		1.96	2.11		ug/L		107	70 - 130
Endosulfan II (Beta)	<0.099		1.96	2.13		ug/L		109	70 - 130
Endosulfan sulfate	<0.099		1.96	1.98		ug/L		101	70 - 130
Endrin	<0.0099		1.96	2.23		ug/L		114	70 - 130
Endrin aldehyde	<0.099		1.96	2.05		ug/L		105	60 - 130
EPTC	<0.099		1.96	2.05		ug/L		104	70 - 130
Fluoranthene	<0.099		1.96	2.00		ug/L		102	70 - 130
Fluorene	<0.050		1.96	2.13		ug/L		109	70 - 130
gamma-Chlordane	<0.050		1.96	2.31		ug/L		117	70 - 130
Heptachlor	<0.0099		1.96	2.05		ug/L		105	70 - 130
Heptachlor epoxide (isomer B)	0.020		1.96	2.11		ug/L		107	70 - 130
Hexachlorobenzene	<0.050		1.96	2.09		ug/L		107	70 - 130
Hexachlorocyclopentadiene	<0.050		1.96	1.92		ug/L		98	70 - 130
Indeno[1,2,3-cd]pyrene	<0.050		1.96	2.06		ug/L		105	70 - 130
Isophorone	<0.099		1.96	1.97		ug/L		101	70 - 130
Lindane	<0.0099		1.96	2.17		ug/L		111	70 - 130
Malathion	<0.099		1.96	1.98		ug/L		101	70 - 130
Methoxychlor	<0.050		1.96	2.09		ug/L		107	70 - 130
Metolachlor	<0.050		1.96	2.03		ug/L		104	70 - 130
Molinate	<0.099		1.96	2.14		ug/L		109	70 - 130
Naphthalene	<0.099		1.96	1.93		ug/L		98	70 - 130
Parathion	<0.099		1.96	2.07		ug/L		106	70 - 130
Pendimethalin (Penoxaline)	<0.099		1.96	1.98		ug/L		101	70 - 130
Phenanthrene	<0.040		1.96	2.00		ug/L		102	70 - 130
Propachlor	<0.050		1.96	2.07		ug/L		106	70 - 130
Pyrene	<0.050		1.96	2.05		ug/L		104	70 - 130
Simazine	<0.050		1.96	2.15		ug/L		110	70 - 130
Terbacil	<0.099		1.96	2.01		ug/L		103	70 - 130
Terbutylazine	<0.099		1.96	2.11		ug/L		108	70 - 130
Thiobencarb	<0.099		1.96	1.95		ug/L		100	70 - 130
trans-Nonachlor	<0.050		1.96	2.16		ug/L		109	70 - 130
Trifluralin	<0.099		1.96	1.95		ug/L		99	70 - 130

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

QC Sample Results

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

Job ID: 380-213659-1
SDG: Weekly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: 380-213655-I-1-A MS
Matrix: Water
Analysis Batch: 227747

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 227605

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
Triphenylphosphate	102		70 - 130

Lab Sample ID: 380-213657-I-1-A DU
Matrix: Water
Analysis Batch: 227747

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 227605

Analyte	Sample Result	Sample Qualifier	DU DU		Unit	D	RPD	Limit
			Result	Qualifier				
1-Methylnaphthalene	<0.098		<0.098		ug/L		NC	20
2,4'-DDD	<0.098		<0.098		ug/L		NC	20
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	0.027		0.0265		ug/L		0.4	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

QC Sample Results

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

Job ID: 380-213659-1
SDG: Weekly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: 380-213657-I-1-A DU

Client Sample ID: Duplicate

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 227747

Prep Batch: 227605

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
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
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	95		70 - 130
Perylene-d12	91		70 - 130
Triphenylphosphate	99		70 - 130

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

Lab Sample ID: MB 570-740088/1-A

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 740892

Prep Batch: 740088

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
1-Methylnaphthalene	<0.20		0.20	ug/L		05/17/26 08:58	05/19/26 07:05	1
2-Methylnaphthalene	<0.20		0.20	ug/L		05/17/26 08:58	05/19/26 07:05	1

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QC Sample Results

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

Job ID: 380-213659-1
SDG: Weekly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: MB 570-740088/1-A

Matrix: Water

Analysis Batch: 740892

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 740088

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Acenaphthene	<0.20		0.20	ug/L		05/17/26 08:58	05/19/26 07:05	1
Acenaphthylene	<0.20		0.20	ug/L		05/17/26 08:58	05/19/26 07:05	1
Anthracene	<0.20		0.20	ug/L		05/17/26 08:58	05/19/26 07:05	1
Benzo[a]anthracene	<0.20		0.20	ug/L		05/17/26 08:58	05/19/26 07:05	1
Benzo[a]pyrene	<0.20		0.20	ug/L		05/17/26 08:58	05/19/26 07:05	1
Benzo[b]fluoranthene	<0.20		0.20	ug/L		05/17/26 08:58	05/19/26 07:05	1
Benzo[g,h,i]perylene	<0.20		0.20	ug/L		05/17/26 08:58	05/19/26 07:05	1
Benzo[k]fluoranthene	<0.20		0.20	ug/L		05/17/26 08:58	05/19/26 07:05	1
Chrysene	<0.20		0.20	ug/L		05/17/26 08:58	05/19/26 07:05	1
Dibenz(a,h)anthracene	<0.20		0.20	ug/L		05/17/26 08:58	05/19/26 07:05	1
Fluoranthene	<0.20		0.20	ug/L		05/17/26 08:58	05/19/26 07:05	1
Fluorene	<0.20		0.20	ug/L		05/17/26 08:58	05/19/26 07:05	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20	ug/L		05/17/26 08:58	05/19/26 07:05	1
Naphthalene	<0.20		0.20	ug/L		05/17/26 08:58	05/19/26 07:05	1
Phenanthrene	<0.20		0.20	ug/L		05/17/26 08:58	05/19/26 07:05	1
Pyrene	<0.20		0.20	ug/L		05/17/26 08:58	05/19/26 07:05	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2,4,6-Tribromophenol (Surr)	74		28 - 127	05/17/26 08:58	05/19/26 07:05	1
2-Fluorobiphenyl (Surr)	68		31 - 120	05/17/26 08:58	05/19/26 07:05	1
2-Fluorophenol (Surr)	43		17 - 120	05/17/26 08:58	05/19/26 07:05	1
Nitrobenzene-d5 (Surr)	73		27 - 120	05/17/26 08:58	05/19/26 07:05	1
Phenol-d6 (Surr)	26		10 - 120	05/17/26 08:58	05/19/26 07:05	1
p-Terphenyl-d14 (Surr)	76		45 - 120	05/17/26 08:58	05/19/26 07:05	1

Lab Sample ID: LCS 570-740088/2-A

Matrix: Water

Analysis Batch: 740892

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 740088

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Methylnaphthalene	20.0	12.2		ug/L		61	43 - 120
Acenaphthene	20.0	16.0		ug/L		80	60 - 132
Acenaphthylene	20.0	15.7		ug/L		78	54 - 126
Anthracene	20.0	17.0		ug/L		85	43 - 120
Benzo[a]anthracene	20.0	17.5		ug/L		87	42 - 133
Benzo[a]pyrene	20.0	19.7		ug/L		98	32 - 148
Benzo[b]fluoranthene	20.0	18.2		ug/L		91	42 - 140
Benzo[g,h,i]perylene	20.0	17.6		ug/L		88	1 - 195
Benzo[k]fluoranthene	20.0	18.3		ug/L		92	25 - 146
Chrysene	20.0	17.0		ug/L		85	44 - 140
Dibenz(a,h)anthracene	20.0	18.4		ug/L		92	1 - 200
Fluoranthene	20.0	18.0		ug/L		90	43 - 121
Fluorene	20.0	16.9		ug/L		85	70 - 120
Indeno[1,2,3-cd]pyrene	20.0	18.0		ug/L		90	1 - 151
Naphthalene	20.0	12.2		ug/L		61	36 - 120
Phenanthrene	20.0	17.0		ug/L		85	65 - 120
Pyrene	20.0	16.5		ug/L		82	70 - 120

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QC Sample Results

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

Job ID: 380-213659-1
SDG: Weekly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: LCS 570-740088/2-A
Matrix: Water
Analysis Batch: 740892

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 740088

Surrogate	LCS		Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol (Surr)	75		28 - 127
2-Fluorobiphenyl (Surr)	70		31 - 120
2-Fluorophenol (Surr)	49		17 - 120
Nitrobenzene-d5 (Surr)	56		27 - 120
Phenol d6 (Surr)	33		10 - 120
p-Terphenyl-d14 (Surr)	83		45 - 120

Lab Sample ID: LCSD 570-740088/3-A
Matrix: Water
Analysis Batch: 740892

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 740088

Analyte	Spike Added	LCSD		Unit	D	%Rec	%Rec		RPD	
		Result	Qualifier				Limits	RPD	Limit	
1-Methylnaphthalene	20.0	17.0	*1	ug/L		85	47 - 120	25	20	
2-Methylnaphthalene	20.0	15.9	*1	ug/L		79	43 - 120	26	20	
Acenaphthene	20.0	18.5		ug/L		93	60 - 132	15	29	
Acenaphthylene	20.0	18.3		ug/L		92	54 - 126	16	45	
Anthracene	20.0	19.6		ug/L		98	43 - 120	14	40	
Benzo[a]anthracene	20.0	19.7		ug/L		99	42 - 133	12	32	
Benzo[a]pyrene	20.0	22.0		ug/L		110	32 - 148	11	43	
Benzo[b]fluoranthene	20.0	21.1		ug/L		105	42 - 140	15	43	
Benzo[g,h,i]perylene	20.0	19.7		ug/L		99	1 - 195	11	61	
Benzo[k]fluoranthene	20.0	19.6		ug/L		98	25 - 146	7	38	
Chrysene	20.0	19.3		ug/L		96	44 - 140	12	53	
Dibenz(a,h)anthracene	20.0	20.7		ug/L		103	1 - 200	12	75	
Fluoranthene	20.0	20.7		ug/L		103	43 - 121	14	40	
Fluorene	20.0	19.1		ug/L		95	70 - 120	12	23	
Indeno[1,2,3-cd]pyrene	20.0	20.0		ug/L		100	1 - 151	11	60	
Naphthalene	20.0	15.2		ug/L		76	36 - 120	22	39	
Phenanthrene	20.0	19.1		ug/L		95	65 - 120	12	24	
Pyrene	20.0	19.3		ug/L		97	70 - 120	16	30	

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol (Surr)	87		28 - 127
2-Fluorobiphenyl (Surr)	82		31 - 120
2-Fluorophenol (Surr)	58		17 - 120
Nitrobenzene-d5 (Surr)	68		27 - 120
Phenol-d6 (Surr)	41		10 - 120
p-Terphenyl-d14 (Surr)	92		45 - 120

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

Lab Sample ID: MB 570-740696/6
Matrix: Water
Analysis Batch: 740696

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

Analyte	MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
GRO (C6-C10)	<10		10	ug/L			05/18/26 19:39	1

QC Sample Results

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

Job ID: 380-213659-1
SDG: Weekly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: MB 570-740696/6
Matrix: Water
Analysis Batch: 740696

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

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	103		38 - 134		05/18/26 19:39	1

Lab Sample ID: LCS 570-740696/3
Matrix: Water
Analysis Batch: 740696

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	415		ug/L		104	78 - 120

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	101		38 - 134

Lab Sample ID: LCSD 570-740696/4
Matrix: Water
Analysis Batch: 740696

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	437		ug/L		109	78 - 120	5	10

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

Lab Sample ID: MRL 570-740696/5
Matrix: Water
Analysis Batch: 740696

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	12.7		ug/L		127	50 - 150

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

Lab Sample ID: 380-213690-B-1 MS
Matrix: Water
Analysis Batch: 740696

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	371		ug/L		93	68 - 122

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

QC Sample Results

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

Job ID: 380-213659-1
SDG: Weekly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: 380-213690-B-1 MSD
Matrix: Water
Analysis Batch: 740696

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	379		ug/L		95	68 - 122	2	18
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	99		38 - 134								

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

Lab Sample ID: MB 570-739333/1-A
Matrix: Water
Analysis Batch: 739984

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 739333

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<25		25	ug/L		05/15/26 07:19	05/17/26 00:01	1
Motor Oil Range Organics [C24-C36]	<25		25	ug/L		05/15/26 07:19	05/17/26 00:01	1
C8-C18	<25		25	ug/L		05/15/26 07:19	05/17/26 00:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	115		60 - 130			05/15/26 07:19	05/17/26 00:01	1

Lab Sample ID: LCS 570-739333/2-A
Matrix: Water
Analysis Batch: 739984

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 739333

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
C10-C28	1600	1420		ug/L		89	56 - 127
Surrogate	%Recovery	Qualifier	Limits				
n-Octacosane (Surr)	105		60 - 130				

Lab Sample ID: LCSD 570-739333/3-A
Matrix: Water
Analysis Batch: 739984

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 739333

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28	1600	1600		ug/L		100	56 - 127	12	23
Surrogate	%Recovery	Qualifier	Limits						
n-Octacosane (Surr)	117		60 - 130						

Lab Sample ID: MRL 570-739333/4-A
Matrix: Water
Analysis Batch: 739984

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 739333

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
C10-C28	0.0200	<0.020		mg/L		82	50 - 150

QC Sample Results

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

Job ID: 380-213659-1
 SDG: Weekly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: MRL 570-739333/4-A
Matrix: Water
Analysis Batch: 739984

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 739333

<i>Surrogate</i>	<i>%Recovery</i>	<i>MRL MRL Qualifier</i>	<i>Limits</i>
<i>n-Octacosane (Surr)</i>	114		60 - 130

Lab Sample ID: 380-213690-C-1-A MS
Matrix: Water
Analysis Batch: 739984

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 739333

<i>Analyte</i>	<i>Sample Result</i>	<i>Sample Qualifier</i>	<i>Spike Added</i>	<i>MS Result</i>	<i>MS Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec Limits</i>
C10-C28	<26		1640	1600		ug/L		98	70 - 130

<i>Surrogate</i>	<i>%Recovery</i>	<i>MS MS Qualifier</i>	<i>Limits</i>
<i>n-Octacosane (Surr)</i>	114		60 - 130

Lab Sample ID: 380-213690-C-1-B MSD
Matrix: Water
Analysis Batch: 739984

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 739333

<i>Analyte</i>	<i>Sample Result</i>	<i>Sample Qualifier</i>	<i>Spike Added</i>	<i>MSD Result</i>	<i>MSD Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec Limits</i>	<i>RPD</i>	<i>RPD Limit</i>
C10-C28	<26		1650	1510		ug/L		92	70 - 130	6	20

<i>Surrogate</i>	<i>%Recovery</i>	<i>MSD MSD Qualifier</i>	<i>Limits</i>
<i>n-Octacosane (Surr)</i>	105		60 - 130

QC Association Summary

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

Job ID: 380-213659-1
 SDG: Weekly: Aiea Gulch Wells Pump 2

GC/MS Semi VOA

Prep Batch: 227605

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-213659-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	525.2	
MB 380-227605/21-A	Method Blank	Total/NA	Water	525.2	
LCS 380-227605/23-A	Lab Control Sample	Total/NA	Water	525.2	
MRL 380-227605/22-A	Lab Control Sample	Total/NA	Water	525.2	
380-213655-I-1-A MS	Matrix Spike	Total/NA	Water	525.2	
380-213657-I-1-A DU	Duplicate	Total/NA	Water	525.2	

Analysis Batch: 227747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-213659-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	525.2	227605
MB 380-227605/21-A	Method Blank	Total/NA	Water	525.2	227605
LCS 380-227605/23-A	Lab Control Sample	Total/NA	Water	525.2	227605
MRL 380-227605/22-A	Lab Control Sample	Total/NA	Water	525.2	227605
380-213655-I-1-A MS	Matrix Spike	Total/NA	Water	525.2	227605
380-213657-I-1-A DU	Duplicate	Total/NA	Water	525.2	227605

Prep Batch: 740088

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-213659-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	625.1	
MB 570-740088/1-A	Method Blank	Total/NA	Water	625.1	
LCS 570-740088/2-A	Lab Control Sample	Total/NA	Water	625.1	
LCSD 570-740088/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	

Analysis Batch: 740892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-213659-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	625.1 SIM	740088
MB 570-740088/1-A	Method Blank	Total/NA	Water	625.1 SIM	740088
LCS 570-740088/2-A	Lab Control Sample	Total/NA	Water	625.1 SIM	740088
LCSD 570-740088/3-A	Lab Control Sample Dup	Total/NA	Water	625.1 SIM	740088

Analysis Batch: 744032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-213659-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	625.1	740088

GC VOA

Analysis Batch: 740696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-213659-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	8015B GRO LL	
380-213659-2	TB: AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Water	8015B GRO LL	
MB 570-740696/6	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-740696/3	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-740696/4	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-740696/5	Lab Control Sample	Total/NA	Water	8015B GRO LL	
380-213690-B-1 MS	Matrix Spike	Total/NA	Water	8015B GRO LL	
380-213690-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B GRO LL	

GC Semi VOA

Prep Batch: 739333

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-213659-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	3510C	

Eurofins Pomona

QC Association Summary

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

Job ID: 380-213659-1
 SDG: Weekly: Aiea Gulch Wells Pump 2

GC Semi VOA (Continued)

Prep Batch: 739333 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-739333/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-739333/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-739333/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MRL 570-739333/4-A	Lab Control Sample	Total/NA	Water	3510C	
380-213690-C-1-A MS	Matrix Spike	Total/NA	Water	3510C	
380-213690-C-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	

Analysis Batch: 739984

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-213659-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	8015B	739333
MB 570-739333/1-A	Method Blank	Total/NA	Water	8015B	739333
LCS 570-739333/2-A	Lab Control Sample	Total/NA	Water	8015B	739333
LCSD 570-739333/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	739333
MRL 570-739333/4-A	Lab Control Sample	Total/NA	Water	8015B	739333
380-213690-C-1-A MS	Matrix Spike	Total/NA	Water	8015B	739333
380-213690-C-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	8015B	739333



Lab Chronicle

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

Job ID: 380-213659-1
SDG: Weekly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: 380-213659-1

Date Collected: 05/11/26 10:56

Matrix: Drinking Water

Date Received: 05/13/26 09:28

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			227605	IQ42	EA POM	05/17/26 19:14
Total/NA	Analysis	525.2		1	227747	UPAC	EA POM	05/18/26 12:16
Total/NA	Prep	625.1			740088	KLZQ	EET CAL 4	05/17/26 08:58
Total/NA	Analysis	625.1		1	744032	PQS1	EET CAL 4	05/26/26 11:15
Total/NA	Prep	625.1			740088	KLZQ	EET CAL 4	05/17/26 08:58
Total/NA	Analysis	625.1 SIM		1	740892	PQS1	EET CAL 4	05/19/26 13:39
Total/NA	Analysis	8015B GRO LL		1	740696	W4LC	EET CAL 4	05/19/26 03:55
Total/NA	Prep	3510C			739333	EP2G	EET CAL 4	05/15/26 07:20
Total/NA	Analysis	8015B		1	739984	H6FE	EET CAL 4	05/17/26 02:53

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

Lab Sample ID: 380-213659-2

Date Collected: 05/11/26 10:56

Matrix: Water

Date Received: 05/13/26 09:28

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015B GRO LL		1	740696	W4LC	EET CAL 4	05/18/26 23:41

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: 380-213659-1
 SDG: Weekly: Aiea Gulch Wells Pump 2

Laboratory: Eurofins Pomona

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

Authority	Program	Identification Number	Expiration Date
Hawaii	State	CA00006	01-31-26 *
The following analytes are included in this report, but the laboratory is not certified by 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	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	03-02-27
Arizona	State	AZ0830	11-17-26
California	Los Angeles County Sanitation Districts	9257304	07-31-26
California	SCAQMD LAP	17LA0919	11-30-26

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

Accreditation/Certification Summary

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

Job ID: 380-213659-1
SDG: Weekly: Aiea Gulch Wells Pump 2

Laboratory: Eurofins Calscience (Continued)

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

Authority	Program	Identification Number	Expiration Date
California	State	3082	07-31-26
Kansas	NELAP	E-10420	07-31-26
Nevada	State	CA00111	07-31-26
Oregon	NELAP	4175	02-02-27
USDA	US Federal Programs	525-23-159-97150	06-08-26
Utah	NELAP	CA00111	02-28-27
Washington	State	C916	10-12-26

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Method Summary

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

Job ID: 380-213659-1
SDG: Weekly: Aiea Gulch Wells Pump 2

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

Protocol References:

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

Laboratory References:

EA POM = Eurofins 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: 380-213659-1
SDG: Weekly: Aiea Gulch Wells Pump 2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	PWSID Number
380-213659-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Drinking Water	05/11/26 10:56	05/13/26 09:28	HI0000331
380-213659-2	TB: AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Water	05/11/26 10:56	05/13/26 09:28	

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Client Information		Sampler Bailey	Lab P.M. Lopez, Maria	Carrier Tracking No(s):	COC No:
Client Contact: Mr. Kirk Iwamoto		Phone: +1 808 748 5840	E-Mail: Maria.Lopez@et.eurofins.com	State of Origin:	Page: Page 1 of 1
City & County of Honolulu		PWSID:		Job #:	
Address: 630 South Beretania Street Chemistry Lab		Due Date Requested:		Analysis Requested	
City: Honolulu		TAT Requested (days):		Preservation Codes: R - NaThioSO4 RA - NaThioHCl Q - Na2SO3 QA - Na2SO3/HCl Y - Trizma I - NH4 Acetate	
State, Zip: HI, 96843		Compliance Project: Δ Yes Δ No		Other: 380-213659 COC	
Phone: 808-748-5840 (Tel)		PO #: C20525101 exp 05312023		QR Code	
Email: kiwamoto@hbws.org		WC #:		Total Number of Containers	
Project Name: RED-HILL/HBWS Sites Event Desc: RUSH Weekly Red Hill		Project #: 38001111		Special Instructions/Note:	
Site: Hawaii		SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Solid, Organic, etc.)	Preservation Code	R	RA	Q	QA	Y	I	Special Instructions/Note
Aiea Gulch Wells Pump 2 (331-202-TP072)	11-May-2026	1056	G	Water		2	3	2	2			
Aiea Gulch Wells Pump 2 (331-202-TP072) (Matrix Spike)				Water								
Aiea Gulch Wells Pump 2 (331-202-TP072) (Matrix Spike Duplicate)				Water								
TB: Aiea Gulch Wells Pump 2 (331-202-TP072)	11-May-2026	1056		Water								

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

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

Empty Kit Relinquished by: _____ Date: _____

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

Special Instructions/QC Requirements:

Received by: <i>Maria Lopez</i>	Date/Time: 5/13/26 9:23	Company: <i>EAH</i>
Received by:	Date/Time:	Company:
Received by:	Date/Time:	Company:

Method of Shipment: *Red X 8717 1902 6046*

Cooler Temperature(s) °C and Other Remarks: *(631A) 2-6 x 0.0-2.6 g/L - frozen*



ORIGIN ID-HIKA (808) 748-5640
BWS CHEMLAB
HONOLULU BOARD OF WATER SUPPLY
630 S. BERETANIA ST.
CHEMICAL LABORATORY
HONOLULU HI 96843
UNITED STATES US

SHIP DATE: 12MAY26
ACTWGT 57.00 LB
CAD 258050552JINET4535
BILL RECIPIENT

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

58KJ2/208/14848

POMONA CA 91768 REF:
(625) 386-1100

DEPT.



WED - 13 MAY 10:30A
PRIORITY OVERNIGHT

2 of 6

MPS# 8717 1902 6057

0263

Mst# 8717 1902 6046

0201

91768

WM ONTA

CA-US ONT



(B31A) 3.9+0.0 39 901 frozer
Merritt Manufacturing 5/13/26 926

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



Chain of Custody Record



Client Information (Sub Contract Lab)		Sampler: N/A	Lab PM: Lopez, Maria	Carrier Tracking No(s): N/A	COC No: 380-334194.1																																																																								
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 #: 380-213659-1																																																																								
Address: 2841 Dow Avenue, Suite 100,		Due Date Requested: 5/27/2026	<table border="1"> <thead> <tr> <th colspan="10">Analysis Requested</th> <th rowspan="2">Preservation Codes:</th> </tr> <tr> <th>Field Filtered Sample (Yes or No)</th> <th>Perform MS/MSD (Yes or No)</th> <th>8015B_DRO_LL_CS3610C_LLLHNL Ranges: C10-C24/C24-C36/C3-C18</th> <th>8015B_GRO_LLUS030C(MOD) GRO</th> <th>625-1_SIM625_Prep(MOD) Extended PAH List</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>Total Number of Containers</th> <th>Other:</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>N/A</td> </tr> <tr> <th colspan="11">Special Instructions/Note:</th> </tr> <tr> <td>AIEA GULCH WELLS PUMP 2 (331-202-TP072) (380-213659-1)</td> <td>5/11/26</td> <td>10:56 Hawaiian</td> <td>G</td> <td>Water</td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td>7</td> <td>MRLs are needed. Confirm any hits >RL.</td> </tr> <tr> <td>TB: AIEA GULCH WELLS PUMP 2 (331-202-TP072) (380-213659-1)</td> <td>5/11/26</td> <td>10:56 Hawaiian</td> <td>G</td> <td>Water</td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td>2</td> <td>MRLs are needed.</td> </tr> </tbody> </table>			Analysis Requested										Preservation Codes:	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015B_DRO_LL_CS3610C_LLLHNL Ranges: C10-C24/C24-C36/C3-C18	8015B_GRO_LLUS030C(MOD) GRO	625-1_SIM625_Prep(MOD) Extended PAH List						Total Number of Containers	Other:												N/A	Special Instructions/Note:											AIEA GULCH WELLS PUMP 2 (331-202-TP072) (380-213659-1)	5/11/26	10:56 Hawaiian	G	Water		X	X	X			7	MRLs are needed. Confirm any hits >RL.	TB: AIEA GULCH WELLS PUMP 2 (331-202-TP072) (380-213659-1)	5/11/26	10:56 Hawaiian	G	Water			X				2	MRLs are needed.
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City: Tustin	TAT Requested (days): N/A		PO #: N/A		<table border="1"> <thead> <tr> <th>Sample Identification - Client ID (Lab ID)</th> <th>Sample Date</th> <th>Sample Time</th> <th>Sample Type (C=comp, G=grab)</th> <th>Matrix (W=water, S=solid, O=wastewater, BT=Tissue, A=Air)</th> <th>Field Filtered Sample (Yes or No)</th> <th>Perform MS/MSD (Yes or No)</th> <th>8015B_DRO_LL_CS3610C_LLLHNL Ranges: C10-C24/C24-C36/C3-C18</th> <th>8015B_GRO_LLUS030C(MOD) GRO</th> <th>625-1_SIM625_Prep(MOD) Extended PAH List</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>Total Number of Containers</th> <th>Other:</th> </tr> </thead> <tbody> <tr> <td colspan="17">Preservation Code:</td> </tr> </tbody> </table>	Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=wastewater, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015B_DRO_LL_CS3610C_LLLHNL Ranges: C10-C24/C24-C36/C3-C18	8015B_GRO_LLUS030C(MOD) GRO	625-1_SIM625_Prep(MOD) Extended PAH List						Total Number of Containers	Other:	Preservation Code:																																																						
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State, Zip: CA, 92780	Project #: 38001111		W/O #: N/A																																																																										
Phone: 714-895-5494(Tel)	Project Name: RED-HILL		SSOW#: N/A																																																																										
Email: N/A	Site: Honolulu BWS Sites																																																																												



380-213659 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			<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months		
Deliverable Requested: I, II, III, IV, Other (specify)		Primary Deliverable Rank: 2	Special Instructions/QC Requirements:		
Empty Kit Relinquished by:		Date:	Time:	Method of Shipment	
Relinquished by: <i>Mark Urutia</i>	Date/Time: 5/13/26 17:00	Company: <i>DEAR</i>	Received by: <i>Leos</i>	Date/Time: 5-13-26 17:00	Company: <i>LAH</i>
Relinquished by: <i>Leos</i>	Date/Time: 5-13-26 18:15	Company: <i>LAH</i>	Received by: <i>LAH</i>	Date/Time: 5/13/26 18:15	Company: <i>REC</i>
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: <i>1-2 / 1.2 IR-8</i>			



Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-213659-1
SDG Number: Weekly: Aiea Gulch Wells Pump 2

Login Number: 213659

List Number: 1

Creator: Del Rosario, Michael

List Source: Eurofins Pomona

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



Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-213659-1
SDG Number: Weekly: Aiea Gulch Wells Pump 2

Login Number: 213659

List Number: 2

Creator: Khana, Piyush

List Source: Eurofins Calscience

List Creation: 05/13/26 07:45 PM

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.2
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	fgf5
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

