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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
RUSH Weekly Red Hill

JOB NUMBER

380-218892-1

Eurofins Pomona
941 Corporate Center Drive
Pomona CA 91768-2642

See page two for job notes and contact information.

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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Authorized for release by
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Table of Contents

Definitions/Glossary

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

Job ID: 380-218892-1
SDG: Weekly: Aiea Gulch Wells Pump 2

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
^3+	Reporting Limit Check Standard is outside acceptance limits, high biased
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA TICs

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
380-218892-1

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 6/10/2026 9:24 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.6°C.

GC/MS Semi VOA
Method 625.1: The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.
Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 570-753632.

Method 625.1 SIM: The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.
Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 570-753632.

Method 625.1 SIM: The laboratory control sample (LCS) for preparation batch 570-753632 and analytical batch 570-754835 recovered outside control limits for the following analytes: Acenaphthene, Fluorene, Phenanthrene and Pyrene. The analytes were not detected in the native sample.

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

Gasoline Range Organics
Method 8015B GRO LL: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-755498. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

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

Diesel Range Organics
Method 8015B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-753329.The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.
Method: 8015 DRO

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: 380-218892-1
SDG: Weekly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: 380-218892-1

PWSID Number: HI0000331

No Detections.

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

Lab Sample ID: 380-218892-2

No Detections.

This Detection Summary does not include radiochemical test results.

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

Job ID: 380-218892-1
SDG: Weekly: Aiea Gulch Wells Pump 2

Client Sample ID: AIEA GULCH WELLS PUMP 2 (331-202-TP072)
Date Collected: 06/08/26 09:00
Date Received: 06/10/26 09:24

Lab Sample ID: 380-218892-1
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		06/16/26 06:46	06/16/26 16:09	1
2,4'-DDD	<0.098		0.098		ug/L		06/16/26 06:46	06/16/26 16:09	1
2,4'-DDE	<0.098		0.098		ug/L		06/16/26 06:46	06/16/26 16:09	1
2,4'-DDT	<0.098		0.098		ug/L		06/16/26 06:46	06/16/26 16:09	1
2,4-Dinitrotoluene	<0.098		0.098		ug/L		06/16/26 06:46	06/16/26 16:09	1
2,6-Dinitrotoluene	<0.098		0.098		ug/L		06/16/26 06:46	06/16/26 16:09	1
2-Methylnaphthalene	<0.098		0.098		ug/L		06/16/26 06:46	06/16/26 16:09	1
4,4'-DDD	<0.098		0.098		ug/L		06/16/26 06:46	06/16/26 16:09	1
4,4'-DDE	<0.098		0.098		ug/L		06/16/26 06:46	06/16/26 16:09	1
4,4'-DDT	<0.098		0.098		ug/L		06/16/26 06:46	06/16/26 16:09	1
Acenaphthene	<0.098		0.098		ug/L		06/16/26 06:46	06/16/26 16:09	1
Acenaphthylene	<0.098		0.098		ug/L		06/16/26 06:46	06/16/26 16:09	1
Acetochlor	<0.098		0.098		ug/L		06/16/26 06:46	06/16/26 16:09	1
Alachlor	<0.049		0.049		ug/L		06/16/26 06:46	06/16/26 16:09	1
alpha-BHC	<0.098		0.098		ug/L		06/16/26 06:46	06/16/26 16:09	1
alpha-Chlordane	<0.049		0.049		ug/L		06/16/26 06:46	06/16/26 16:09	1
Anthracene	<0.020		0.020		ug/L		06/16/26 06:46	06/16/26 16:09	1
Atrazine	<0.049		0.049		ug/L		06/16/26 06:46	06/16/26 16:09	1
Benz(a)anthracene	<0.049		0.049		ug/L		06/16/26 06:46	06/16/26 16:09	1
Benzo[a]pyrene	<0.020		0.020		ug/L		06/16/26 06:46	06/16/26 16:09	1
Benzo[b]fluoranthene	<0.020		0.020		ug/L		06/16/26 06:46	06/16/26 16:09	1
Benzo[g,h,i]perylene	<0.049		0.049		ug/L		06/16/26 06:46	06/16/26 16:09	1
Benzo[k]fluoranthene	<0.020		0.020		ug/L		06/16/26 06:46	06/16/26 16:09	1
beta-BHC	<0.098		0.098		ug/L		06/16/26 06:46	06/16/26 16:09	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59		ug/L		06/16/26 06:46	06/16/26 16:09	1
Bromacil	<0.098		0.098		ug/L		06/16/26 06:46	06/16/26 16:09	1
Butachlor	<0.049		0.049		ug/L		06/16/26 06:46	06/16/26 16:09	1
Butylbenzylphthalate	<0.49		0.49		ug/L		06/16/26 06:46	06/16/26 16:09	1
Chlorobenzilate	<0.098		0.098		ug/L		06/16/26 06:46	06/16/26 16:09	1
Chloroneb	<0.098		0.098		ug/L		06/16/26 06:46	06/16/26 16:09	1
Chlorothalonil (Draconil, Bravo)	<0.098		0.098		ug/L		06/16/26 06:46	06/16/26 16:09	1
Chlorpyrifos	<0.049		0.049		ug/L		06/16/26 06:46	06/16/26 16:09	1
Chrysene	<0.020		0.020		ug/L		06/16/26 06:46	06/16/26 16:09	1
delta-BHC	<0.098		0.098		ug/L		06/16/26 06:46	06/16/26 16:09	1
Di(2-ethylhexyl)adipate	<0.59		0.59		ug/L		06/16/26 06:46	06/16/26 16:09	1
Dibenz(a,h)anthracene	<0.049		0.049		ug/L		06/16/26 06:46	06/16/26 16:09	1
Diclorvos (DDVP)	<0.049		0.049		ug/L		06/16/26 06:46	06/16/26 16:09	1
Dieldrin	<0.0098		0.0098		ug/L		06/16/26 06:46	06/16/26 16:09	1
Diethylphthalate	<0.49		0.49		ug/L		06/16/26 06:46	06/16/26 16:09	1
Dimethylphthalate	<0.49		0.49		ug/L		06/16/26 06:46	06/16/26 16:09	1
Di-n-butyl phthalate	<0.98		0.98		ug/L		06/16/26 06:46	06/16/26 16:09	1
Di-n-octyl phthalate	<0.098		0.098		ug/L		06/16/26 06:46	06/16/26 16:09	1
Endosulfan I (Alpha)	<0.098		0.098		ug/L		06/16/26 06:46	06/16/26 16:09	1
Endosulfan II (Beta)	<0.098		0.098		ug/L		06/16/26 06:46	06/16/26 16:09	1
Endosulfan sulfate	<0.098		0.098		ug/L		06/16/26 06:46	06/16/26 16:09	1
Endrin	<0.0098		0.0098		ug/L		06/16/26 06:46	06/16/26 16:09	1
Endrin aldehyde	<0.098		0.098		ug/L		06/16/26 06:46	06/16/26 16:09	1
EPTC	<0.098		0.098		ug/L		06/16/26 06:46	06/16/26 16:09	1

Client Sample ID: AIEA GULCH WELLS PUMP 2 (331-202-TP072)
Date Collected: 06/08/26 09:00
Date Received: 06/10/26 09:24

Lab Sample ID: 380-218892-1
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		06/16/26 06:46	06/16/26 16:09	1
Fluorene	<0.049		0.049		ug/L		06/16/26 06:46	06/16/26 16:09	1
gamma-Chlordane	<0.049		0.049		ug/L		06/16/26 06:46	06/16/26 16:09	1
Heptachlor	<0.0098	^3+	0.0098		ug/L		06/16/26 06:46	06/16/26 16:09	1
Heptachlor epoxide (isomer B)	<0.0098		0.0098		ug/L		06/16/26 06:46	06/16/26 16:09	1
Hexachlorobenzene	<0.049		0.049		ug/L		06/16/26 06:46	06/16/26 16:09	1
Hexachlorocyclopentadiene	<0.049		0.049		ug/L		06/16/26 06:46	06/16/26 16:09	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049		ug/L		06/16/26 06:46	06/16/26 16:09	1
Isophorone	<0.098		0.098		ug/L		06/16/26 06:46	06/16/26 16:09	1
Lindane	<0.0098		0.0098		ug/L		06/16/26 06:46	06/16/26 16:09	1
Malathion	<0.098		0.098		ug/L		06/16/26 06:46	06/16/26 16:09	1
Methoxychlor	<0.049		0.049		ug/L		06/16/26 06:46	06/16/26 16:09	1
Metolachlor	<0.049		0.049		ug/L		06/16/26 06:46	06/16/26 16:09	1
Molinate	<0.098		0.098		ug/L		06/16/26 06:46	06/16/26 16:09	1
Naphthalene	<0.098		0.098		ug/L		06/16/26 06:46	06/16/26 16:09	1
Parathion	<0.098		0.098		ug/L		06/16/26 06:46	06/16/26 16:09	1
Pendimethalin (Penoxaline)	<0.098		0.098		ug/L		06/16/26 06:46	06/16/26 16:09	1
Phenanthrene	<0.039		0.039		ug/L		06/16/26 06:46	06/16/26 16:09	1
Propachlor	<0.049		0.049		ug/L		06/16/26 06:46	06/16/26 16:09	1
Pyrene	<0.049		0.049		ug/L		06/16/26 06:46	06/16/26 16:09	1
Simazine	<0.049		0.049		ug/L		06/16/26 06:46	06/16/26 16:09	1
Terbacil	<0.098		0.098		ug/L		06/16/26 06:46	06/16/26 16:09	1
Terbuthylazine	<0.098		0.098		ug/L		06/16/26 06:46	06/16/26 16:09	1
Thiobencarb	<0.098		0.098		ug/L		06/16/26 06:46	06/16/26 16:09	1
Total Permethrin (mixed isomers)	<0.20		0.20		ug/L		06/16/26 06:46	06/16/26 16:09	1
trans-Nonachlor	<0.049		0.049		ug/L		06/16/26 06:46	06/16/26 16:09	1
Trifluralin	<0.098		0.098		ug/L		06/16/26 06:46	06/16/26 16:09	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*	*06/16/26 06:46*	*06/16/26 16:09*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*101*		*70 - 130*	*06/16/26 06:46*	*06/16/26 16:09*	*1*
Perylene-d12	*92*		*70 - 130*	*06/16/26 06:46*	*06/16/26 16:09*	*1*
Triphenylphosphate	*99*		*70 - 130*	*06/16/26 06:46*	*06/16/26 16:09*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.19		0.19		ug/L		06/12/26 21:50	06/17/26 02:06	1
2-Methylnaphthalene	<0.19		0.19		ug/L		06/12/26 21:50	06/17/26 02:06	1
Acenaphthene	<0.19	*-	0.19		ug/L		06/12/26 21:50	06/17/26 02:06	1
Acenaphthylene	<0.19		0.19		ug/L		06/12/26 21:50	06/17/26 02:06	1
Anthracene	<0.19		0.19		ug/L		06/12/26 21:50	06/17/26 02:06	1
Benzo[a]anthracene	<0.19		0.19		ug/L		06/12/26 21:50	06/17/26 02:06	1
Benzo[a]pyrene	<0.19		0.19		ug/L		06/12/26 21:50	06/17/26 02:06	1
Benzo[b]fluoranthene	<0.19		0.19		ug/L		06/12/26 21:50	06/17/26 02:06	1
Benzo[g,h,i]perylene	<0.19		0.19		ug/L		06/12/26 21:50	06/17/26 02:06	1
Benzo[k]fluoranthene	<0.19		0.19		ug/L		06/12/26 21:50	06/17/26 02:06	1
Chrysene	<0.19		0.19		ug/L		06/12/26 21:50	06/17/26 02:06	1

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

Lab Sample ID: 380-218892-1

Date Collected: 06/08/26 09:00
Date Received: 06/10/26 09:24

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	<0.19		0.19		ug/L		06/12/26 21:50	06/17/26 02:06	1
Fluoranthene	<0.19		0.19		ug/L		06/12/26 21:50	06/17/26 02:06	1
Fluorene	<0.19	*-	0.19		ug/L		06/12/26 21:50	06/17/26 02:06	1
Indeno[1,2,3-cd]pyrene	<0.19		0.19		ug/L		06/12/26 21:50	06/17/26 02:06	1
Naphthalene	<0.19		0.19		ug/L		06/12/26 21:50	06/17/26 02:06	1
Phenanthrene	<0.19	*-	0.19		ug/L		06/12/26 21:50	06/17/26 02:06	1
Pyrene	<0.19	*-	0.19		ug/L		06/12/26 21:50	06/17/26 02:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*65*		*28 - 127*	*06/12/26 21:50*	*06/17/26 02:06*	*1*
2-Fluorobiphenyl (Surr)	*57*		*31 - 120*	*06/12/26 21:50*	*06/17/26 02:06*	*1*
2-Fluorophenol (Surr)	*41*		*17 - 120*	*06/12/26 21:50*	*06/17/26 02:06*	*1*
Nitrobenzene-d5 (Surr)	*59*		*27 - 120*	*06/12/26 21:50*	*06/17/26 02:06*	*1*
Phenol-d6 (Surr)	*26*		*10 - 120*	*06/12/26 21:50*	*06/17/26 02:06*	*1*
p-Terphenyl-d14 (Surr)	*63*		*45 - 120*	*06/12/26 21:50*	*06/17/26 02:06*	*1*

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

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*	*06/12/26 21:50*	*06/17/26 12:03*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*47*		*33 - 139*	*06/12/26 21:50*	*06/17/26 12:03*	*1*
2-Fluorobiphenyl (Surr)	*54*		*33 - 126*	*06/12/26 21:50*	*06/17/26 12:03*	*1*
2-Fluorophenol (Surr)	*38*		*12 - 120*	*06/12/26 21:50*	*06/17/26 12:03*	*1*
Nitrobenzene-d5 (Surr)	*64*		*36 - 120*	*06/12/26 21:50*	*06/17/26 12:03*	*1*
Phenol-d6 (Surr)	*21*		*10 - 120*	*06/12/26 21:50*	*06/17/26 12:03*	*1*
p-Terphenyl-d14 (Surr)	*57*		*47 - 131*	*06/12/26 21:50*	*06/17/26 12:03*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10		ug/L			06/17/26 15:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*38 - 134*		*06/17/26 15:25*	*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		06/12/26 10:40	06/22/26 00:02	1
Motor Oil Range Organics [C24-C36]	<26		26		ug/L		06/12/26 10:40	06/22/26 00:02	1
C8-C18	<26		26		ug/L		06/12/26 10:40	06/22/26 00:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*88*		*60 - 130*	*06/12/26 10:40*	*06/22/26 00:02*	*1*

Client Sample Results

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

Job ID: 380-218892-1
SDG: Weekly: Aiea Gulch Wells Pump 2

Client Sample ID: TB: AIEA GULCH WELLS PUMP 2 (331-202-TP072)
Date Collected: 06/08/26 09:00
Date Received: 06/10/26 09:24

Lab Sample ID: 380-218892-2
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			06/17/26 13:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*38 - 134*		*06/17/26 13:52*	*1*

Action Limit Summary

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

Job ID: 380-218892-1
SDG: Weekly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: 380-218892-1

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	^3+	ug/L	0.4	0.0098	525.2	Total/NA
Heptachlor epoxide (isomer B)	<0.0098		ug/L	0.2	0.0098	525.2	Total/NA
Hexachlorobenzene	<0.049		ug/L	1	0.049	525.2	Total/NA
Hexachlorocyclopentadiene	<0.049		ug/L	50	0.049	525.2	Total/NA
Lindane	<0.0098		ug/L	0.2	0.0098	525.2	Total/NA
Methoxychlor	<0.049		ug/L	40	0.049	525.2	Total/NA
Simazine	<0.049		ug/L	4	0.049	525.2	Total/NA
Benzo[a]pyrene	<0.19		ug/L	0.2	0.19	625.1 SIM	Total/NA

Surrogate Summary

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

Job ID: 380-218892-1
SDG: Weekly: Aiea Gulch Wells Pump 2

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)
380-218892-1	AIEA GULCH WELLS PUMP 2 (	101	92	99

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)
380-218644-L-1-A MS	Matrix Spike	101	90	106
380-219486-BB-1-A DU	Duplicate	100	81	101
LCS 380-234091/23-A	Lab Control Sample	100	93	100
MB 380-234091/21-A	Method Blank	100	87	101
MRL 380-234091/22-A	Lab Control Sample	100	92	101

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)
380-218892-1	AIEA GULCH WELLS PUMP 2 (	47	54	38	64	21	57

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 570-753632/1-A	Method Blank	63	68	49	82	29	73

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)
380-218892-1	AIEA GULCH WELLS PUMP 2 (	65	57	41	59	26	63

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 570-753632/2-A	Lab Control Sample	59	55	43	50	29	63
LCSD 570-753632/3-A	Lab Control Sample Dup	71	67	52	59	35	73
MB 570-753632/1-A	Method Blank	75	71	50	74	33	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**

		Percent Surrogate Recovery (Acceptance Limits)
		BFB1
Lab Sample ID	Client Sample ID	(38-134)
380-218892-1	AIEA GULCH WELLS PUMP 2 (	92

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)
380-218892-2	TB: AIEA GULCH WELLS PUMI	99
LCS 570-755498/4	Lab Control Sample	93
LCSD 570-755498/5	Lab Control Sample Dup	92
MB 570-755498/7	Method Blank	93
MRL 570-755498/6	Lab Control Sample	96

Surrogate Summary

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

Job ID: 380-218892-1
SDG: Weekly: Aiea Gulch Wells Pump 2

Surrogate Legend
BFB = 4-Bromofluorobenzene (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	**Client Sample ID**	**OTCSN1 (60-130)**
380-218892-1	AIEA GULCH WELLS PUMP 2 (	88

Surrogate Legend
OTCSN = n-Octacosane (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	**Client Sample ID**	**OTCSN1 (60-130)**
LCS 570-753329/2-A	Lab Control Sample	95
LCSD 570-753329/3-A	Lab Control Sample Dup	80
MB 570-753329/1-A	Method Blank	89
MRL 570-753329/4-A	Lab Control Sample	85

Surrogate Legend
OTCSN = n-Octacosane (Surr)

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

Lab Sample ID: MB 380-234091/21-A
Matrix: Water
Analysis Batch: 234159

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 234091

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.099		0.099		ug/L		06/16/26 06:46	06/16/26 12:44	1
2,4'-DDD	<0.099		0.099		ug/L		06/16/26 06:46	06/16/26 12:44	1
2,4'-DDE	<0.099		0.099		ug/L		06/16/26 06:46	06/16/26 12:44	1
2,4'-DDT	<0.099		0.099		ug/L		06/16/26 06:46	06/16/26 12:44	1
2,4-Dinitrotoluene	<0.099		0.099		ug/L		06/16/26 06:46	06/16/26 12:44	1
2,6-Dinitrotoluene	<0.099		0.099		ug/L		06/16/26 06:46	06/16/26 12:44	1
2-Methylnaphthalene	<0.099		0.099		ug/L		06/16/26 06:46	06/16/26 12:44	1
4,4'-DDD	<0.099		0.099		ug/L		06/16/26 06:46	06/16/26 12:44	1
4,4'-DDE	<0.099		0.099		ug/L		06/16/26 06:46	06/16/26 12:44	1
4,4'-DDT	<0.099		0.099		ug/L		06/16/26 06:46	06/16/26 12:44	1
Acenaphthene	<0.099		0.099		ug/L		06/16/26 06:46	06/16/26 12:44	1
Acenaphthylene	<0.099		0.099		ug/L		06/16/26 06:46	06/16/26 12:44	1
Acetochlor	<0.099		0.099		ug/L		06/16/26 06:46	06/16/26 12:44	1
Alachlor	<0.050		0.050		ug/L		06/16/26 06:46	06/16/26 12:44	1
alpha-BHC	<0.099		0.099		ug/L		06/16/26 06:46	06/16/26 12:44	1
alpha-Chlordane	<0.050		0.050		ug/L		06/16/26 06:46	06/16/26 12:44	1
Anthracene	<0.020		0.020		ug/L		06/16/26 06:46	06/16/26 12:44	1
Atrazine	<0.050		0.050		ug/L		06/16/26 06:46	06/16/26 12:44	1
Benz(a)anthracene	<0.050		0.050		ug/L		06/16/26 06:46	06/16/26 12:44	1
Benzo[a]pyrene	<0.020		0.020		ug/L		06/16/26 06:46	06/16/26 12:44	1
Benzo[b]fluoranthene	<0.020		0.020		ug/L		06/16/26 06:46	06/16/26 12:44	1
Benzo[g,h,i]perylene	<0.050		0.050		ug/L		06/16/26 06:46	06/16/26 12:44	1
Benzo[k]fluoranthene	<0.020		0.020		ug/L		06/16/26 06:46	06/16/26 12:44	1
beta-BHC	<0.099		0.099		ug/L		06/16/26 06:46	06/16/26 12:44	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59		ug/L		06/16/26 06:46	06/16/26 12:44	1
Bromacil	<0.099		0.099		ug/L		06/16/26 06:46	06/16/26 12:44	1
Butachlor	<0.050		0.050		ug/L		06/16/26 06:46	06/16/26 12:44	1
Butylbenzylphthalate	<0.50		0.50		ug/L		06/16/26 06:46	06/16/26 12:44	1
Chlorobenzilate	<0.099		0.099		ug/L		06/16/26 06:46	06/16/26 12:44	1
Chloroneb	<0.099		0.099		ug/L		06/16/26 06:46	06/16/26 12:44	1
Chlorothalonil (Draconil, Bravo)	<0.099		0.099		ug/L		06/16/26 06:46	06/16/26 12:44	1
Chlorpyrifos	<0.050		0.050		ug/L		06/16/26 06:46	06/16/26 12:44	1
Chrysene	<0.020		0.020		ug/L		06/16/26 06:46	06/16/26 12:44	1
delta-BHC	<0.099		0.099		ug/L		06/16/26 06:46	06/16/26 12:44	1
Di(2-ethylhexyl)adipate	<0.59		0.59		ug/L		06/16/26 06:46	06/16/26 12:44	1
Dibenz(a,h)anthracene	<0.050		0.050		ug/L		06/16/26 06:46	06/16/26 12:44	1
Diclorvos (DDVP)	<0.050		0.050		ug/L		06/16/26 06:46	06/16/26 12:44	1
Dieldrin	<0.0099		0.0099		ug/L		06/16/26 06:46	06/16/26 12:44	1
Diethylphthalate	<0.50		0.50		ug/L		06/16/26 06:46	06/16/26 12:44	1
Dimethylphthalate	<0.50		0.50		ug/L		06/16/26 06:46	06/16/26 12:44	1
Di-n-butyl phthalate	<0.99		0.99		ug/L		06/16/26 06:46	06/16/26 12:44	1
Di-n-octyl phthalate	<0.099		0.099		ug/L		06/16/26 06:46	06/16/26 12:44	1
Endosulfan I (Alpha)	<0.099		0.099		ug/L		06/16/26 06:46	06/16/26 12:44	1
Endosulfan II (Beta)	<0.099		0.099		ug/L		06/16/26 06:46	06/16/26 12:44	1
Endosulfan sulfate	<0.099		0.099		ug/L		06/16/26 06:46	06/16/26 12:44	1
Endrin	<0.0099		0.0099		ug/L		06/16/26 06:46	06/16/26 12:44	1
Endrin aldehyde	<0.099		0.099		ug/L		06/16/26 06:46	06/16/26 12:44	1
EPTC	<0.099		0.099		ug/L		06/16/26 06:46	06/16/26 12:44	1

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

Lab Sample ID: MB 380-234091/21-A
Matrix: Water
Analysis Batch: 234159

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 234091

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	<0.099		0.099		ug/L		06/16/26 06:46	06/16/26 12:44	1
Fluorene	<0.050		0.050		ug/L		06/16/26 06:46	06/16/26 12:44	1
gamma-Chlordane	<0.050		0.050		ug/L		06/16/26 06:46	06/16/26 12:44	1
Heptachlor	<0.0099	^3+	0.0099		ug/L		06/16/26 06:46	06/16/26 12:44	1
Heptachlor epoxide (isomer B)	<0.0099		0.0099		ug/L		06/16/26 06:46	06/16/26 12:44	1
Hexachlorobenzene	<0.050		0.050		ug/L		06/16/26 06:46	06/16/26 12:44	1
Hexachlorocyclopentadiene	<0.050		0.050		ug/L		06/16/26 06:46	06/16/26 12:44	1
Indeno[1,2,3-cd]pyrene	<0.050		0.050		ug/L		06/16/26 06:46	06/16/26 12:44	1
Isophorone	<0.099		0.099		ug/L		06/16/26 06:46	06/16/26 12:44	1
Lindane	<0.0099		0.0099		ug/L		06/16/26 06:46	06/16/26 12:44	1
Malathion	<0.099		0.099		ug/L		06/16/26 06:46	06/16/26 12:44	1
Methoxychlor	<0.050		0.050		ug/L		06/16/26 06:46	06/16/26 12:44	1
Metolachlor	<0.050		0.050		ug/L		06/16/26 06:46	06/16/26 12:44	1
Molinate	<0.099		0.099		ug/L		06/16/26 06:46	06/16/26 12:44	1
Naphthalene	<0.099		0.099		ug/L		06/16/26 06:46	06/16/26 12:44	1
Parathion	<0.099		0.099		ug/L		06/16/26 06:46	06/16/26 12:44	1
Pendimethalin (Penoxaline)	<0.099		0.099		ug/L		06/16/26 06:46	06/16/26 12:44	1
Phenanthrene	<0.040		0.040		ug/L		06/16/26 06:46	06/16/26 12:44	1
Propachlor	<0.050		0.050		ug/L		06/16/26 06:46	06/16/26 12:44	1
Pyrene	<0.050		0.050		ug/L		06/16/26 06:46	06/16/26 12:44	1
Simazine	<0.050		0.050		ug/L		06/16/26 06:46	06/16/26 12:44	1
Terbacil	<0.099		0.099		ug/L		06/16/26 06:46	06/16/26 12:44	1
Terbuthylazine	<0.099		0.099		ug/L		06/16/26 06:46	06/16/26 12:44	1
Thiobencarb	<0.099		0.099		ug/L		06/16/26 06:46	06/16/26 12:44	1
Total Permethrin (mixed isomers)	<0.20		0.20		ug/L		06/16/26 06:46	06/16/26 12:44	1
trans-Nonachlor	<0.050		0.050		ug/L		06/16/26 06:46	06/16/26 12:44	1
Trifluralin	<0.099		0.099		ug/L		06/16/26 06:46	06/16/26 12:44	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Undecane	*5.52*	*T J N*	*ug/L*		*3.24*	*1120-21-4*	*06/16/26 06:46*	*06/16/26 12:44*	*1*
9-Octadecenamide, (Z)-	*1.27*	*T J N*	*ug/L*		*8.10*	*301-02-0*	*06/16/26 06:46*	*06/16/26 12:44*	*1*
9-Octadecenamide, (Z)-	*0.705*	*T J N*	*ug/L*		*10.69*	*301-02-0*	*06/16/26 06:46*	*06/16/26 12:44*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*100*		*70 - 130*	*06/16/26 06:46*	*06/16/26 12:44*	*1*
Perylene-d12	*87*		*70 - 130*	*06/16/26 06:46*	*06/16/26 12:44*	*1*
Triphenylphosphate	*101*		*70 - 130*	*06/16/26 06:46*	*06/16/26 12:44*	*1*

Lab Sample ID: LCS 380-234091/23-A
Matrix: Water
Analysis Batch: 234159

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 234091

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	1.99	2.04		ug/L		103	70 - 130
2,4'-DDD	1.99	2.05		ug/L		103	70 - 130
2,4'-DDE	1.99	2.18		ug/L		109	70 - 130
2,4'-DDT	1.99	2.38		ug/L		119	70 - 130
2,4-Dinitrotoluene	1.99	2.46		ug/L		124	70 - 130

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

Lab Sample ID: LCS 380-234091/23-A
Matrix: Water
Analysis Batch: 234159

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 234091

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,6-Dinitrotoluene	1.99	2.38		ug/L		119	70 - 130
2-Methylnaphthalene	1.99	2.06		ug/L		104	70 - 130
4,4'-DDD	1.99	2.02		ug/L		102	70 - 130
4,4'-DDE	1.99	1.99		ug/L		100	70 - 130
4,4'-DDT	1.99	2.39		ug/L		120	70 - 130
Acenaphthene	1.99	2.05		ug/L		103	70 - 130
Acenaphthylene	1.99	2.12		ug/L		106	70 - 130
Acetochlor	1.99	2.18		ug/L		109	70 - 130
Alachlor	1.99	2.10		ug/L		105	70 - 130
alpha-BHC	1.99	2.07		ug/L		104	70 - 130
alpha-Chlordane	1.99	2.02		ug/L		101	70 - 130
Anthracene	1.99	2.01		ug/L		101	70 - 130
Atrazine	1.99	2.22		ug/L		112	70 - 130
Benz(a)anthracene	1.99	2.04		ug/L		103	70 - 130
Benzo[a]pyrene	1.99	1.98		ug/L		100	70 - 130
Benzo[b]fluoranthene	1.99	1.94		ug/L		98	70 - 130
Benzo[g,h,i]perylene	1.99	1.97		ug/L		99	70 - 130
Benzo[k]fluoranthene	1.99	2.02		ug/L		101	70 - 130
beta-BHC	1.99	2.12		ug/L		107	70 - 130
Bis(2-ethylhexyl) phthalate	1.99	1.70		ug/L		85	70 - 130
Bromacil	1.99	2.20		ug/L		110	70 - 130
Butachlor	1.99	2.12		ug/L		107	70 - 130
Butylbenzylphthalate	1.99	2.13		ug/L		107	70 - 130
Chlorobenzilate	1.99	2.29		ug/L		115	70 - 130
Chloroneb	1.99	2.10		ug/L		105	70 - 130
Chlorothalonil (Draconil, Bravo)	1.99	2.17		ug/L		109	70 - 130
Chlorpyrifos	1.99	2.12		ug/L		106	70 - 130
Chrysene	1.99	2.12		ug/L		107	70 - 130
delta-BHC	1.99	2.07		ug/L		104	70 - 130
Di(2-ethylhexyl)adipate	1.99	1.99		ug/L		100	70 - 130
Dibenz(a,h)anthracene	1.99	1.87		ug/L		94	70 - 130
Diclorvos (DDVP)	1.99	2.20		ug/L		110	70 - 130
Dieldrin	1.99	2.04		ug/L		102	70 - 130
Diethylphthalate	1.99	2.29		ug/L		115	70 - 130
Dimethylphthalate	1.99	2.17		ug/L		109	70 - 130
Di-n-butyl phthalate	3.98	4.10		ug/L		103	70 - 130
Di-n-octyl phthalate	1.99	1.64		ug/L		82	70 - 130
Endosulfan I (Alpha)	1.99	1.89		ug/L		95	70 - 130
Endosulfan II (Beta)	1.99	2.08		ug/L		105	70 - 130
Endosulfan sulfate	1.99	2.10		ug/L		105	70 - 130
Endrin	1.99	2.58		ug/L		130	70 - 130
Endrin aldehyde	1.99	2.00		ug/L		100	60 - 130
EPTC	1.99	2.22		ug/L		111	70 - 130
Fluoranthene	1.99	2.13		ug/L		107	70 - 130
Fluorene	1.99	2.16		ug/L		109	70 - 130
gamma-Chlordane	1.99	2.07		ug/L		104	70 - 130
Heptachlor	1.99	2.38		ug/L		119	70 - 130
Heptachlor epoxide (isomer B)	1.99	2.07		ug/L		104	70 - 130
Hexachlorobenzene	1.99	2.20		ug/L		110	70 - 130

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

Lab Sample ID: LCS 380-234091/23-A
Matrix: Water
Analysis Batch: 234159

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 234091

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Hexachlorocyclopentadiene	1.99	2.28		ug/L		114	70 - 130
Indeno[1,2,3-cd]pyrene	1.99	1.91		ug/L		96	70 - 130
Isophorone	1.99	1.96		ug/L		98	70 - 130
Lindane	1.99	2.20		ug/L		110	70 - 130
Malathion	1.99	2.16		ug/L		108	70 - 130
Methoxychlor	1.99	2.38		ug/L		120	70 - 130
Metolachlor	1.99	2.11		ug/L		106	70 - 130
Molinate	1.99	2.26		ug/L		114	70 - 130
Naphthalene	1.99	2.01		ug/L		101	70 - 130
Parathion	1.99	2.46		ug/L		124	70 - 130
Pendimethalin (Penoxaline)	1.99	2.54		ug/L		128	70 - 130
Phenanthrene	1.99	2.03		ug/L		102	70 - 130
Propachlor	1.99	2.35		ug/L		118	70 - 130
Pyrene	1.99	2.18		ug/L		110	70 - 130
Simazine	1.99	2.11		ug/L		106	70 - 130
Terbacil	1.99	2.45		ug/L		123	70 - 130
Terbuthylazine	1.99	2.16		ug/L		108	70 - 130
Thiobencarb	1.99	2.05		ug/L		103	70 - 130
trans-Nonachlor	1.99	1.98		ug/L		99	70 - 130
Trifluralin	1.99	2.31		ug/L		116	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Nitro-m-xylene	*100*		*70 - 130*
Perylene-d12	*93*		*70 - 130*
Triphenylphosphate	*100*		*70 - 130*

Lab Sample ID: MRL 380-234091/22-A
Matrix: Water
Analysis Batch: 234159

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 234091

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	0.0995	0.110		ug/L		110	50 - 150
2,4'-DDD	0.0995	0.100		ug/L		101	50 - 150
2,4'-DDE	0.0995	0.101		ug/L		102	50 - 150
2,4'-DDT	0.0995	0.138		ug/L		139	50 - 150
2,4-Dinitrotoluene	0.0995	0.133		ug/L		133	50 - 150
2,6-Dinitrotoluene	0.0995	0.130		ug/L		131	50 - 150
2-Methylnaphthalene	0.0995	0.111		ug/L		112	50 - 150
4,4'-DDD	0.0995	0.111		ug/L		111	50 - 150
4,4'-DDE	0.0995	0.111		ug/L		112	50 - 150
4,4'-DDT	0.0995	0.140		ug/L		141	50 - 150
Acenaphthene	0.0995	0.102		ug/L		103	50 - 150
Acenaphthylene	0.0995	0.0987	J	ug/L		99	50 - 150
Acetochlor	0.0995	0.115		ug/L		116	50 - 150
Alachlor	0.0497	0.0588		ug/L		118	50 - 150
alpha-BHC	0.0995	0.104		ug/L		105	50 - 150
alpha-Chlordane	0.0249	<0.029		ug/L		114	50 - 150
Anthracene	0.0199	0.0215		ug/L		108	50 - 150

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

Lab Sample ID: MRL 380-234091/22-A
Matrix: Water
Analysis Batch: 234159

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 234091

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Atrazine	0.0497	0.0618		ug/L		124	50 - 150
Benz(a)anthracene	0.0497	0.0512		ug/L		103	50 - 150
Benzo[a]pyrene	0.0199	0.0215		ug/L		108	50 - 150
Benzo[b]fluoranthene	0.0199	0.0218		ug/L		109	50 - 150
Benzo[g,h,i]perylene	0.0497	0.0532		ug/L		107	50 - 150
Benzo[k]fluoranthene	0.0199	0.0234		ug/L		117	50 - 150
beta-BHC	0.0995	0.107		ug/L		108	50 - 150
Bis(2-ethylhexyl) phthalate	0.597	0.562	J	ug/L		94	50 - 150
Bromacil	0.0995	0.136		ug/L		137	50 - 150
Butachlor	0.0497	0.0653		ug/L		131	50 - 150
Butylbenzylphthalate	0.497	0.565		ug/L		114	50 - 150
Chlorobenzilate	0.0995	0.129		ug/L		130	50 - 150
Chloroneb	0.0995	0.108		ug/L		109	50 - 150
Chlorothalonil (Draconil, Bravo)	0.0995	0.121		ug/L		122	50 - 150
Chlorpyrifos	0.0497	0.0541		ug/L		109	50 - 150
Chrysene	0.0199	0.0237		ug/L		119	50 - 150
delta-BHC	0.0995	0.106		ug/L		106	50 - 150
Di(2-ethylhexyl)adipate	0.597	0.650		ug/L		109	50 - 150
Dibenz(a,h)anthracene	0.0497	0.0483	J	ug/L		97	50 - 150
Diclorvos (DDVP)	0.0497	0.0553		ug/L		111	50 - 150
Dieldrin	0.00995	0.0127		ug/L		127	50 - 150
Diethylphthalate	0.497	0.598		ug/L		120	50 - 150
Dimethylphthalate	0.497	0.560		ug/L		113	50 - 150
Di-n-butyl phthalate	0.497	0.542	J	ug/L		109	49 - 243
Di-n-octyl phthalate	0.0995	0.0927	J	ug/L		93	50 - 150
Endosulfan I (Alpha)	0.0995	0.0843	J	ug/L		85	50 - 150
Endosulfan II (Beta)	0.0995	0.105		ug/L		106	50 - 150
Endosulfan sulfate	0.0995	0.116		ug/L		117	50 - 150
Endrin	0.00995	0.0146		ug/L		147	50 - 150
Endrin aldehyde	0.0995	0.124		ug/L		124	50 - 150
EPTC	0.0995	0.108		ug/L		108	50 - 150
Fluoranthene	0.0995	0.101		ug/L		101	50 - 150
Fluorene	0.0497	0.0544		ug/L		109	50 - 150
gamma-Chlordane	0.0249	0.0274	J	ug/L		110	50 - 150
Heptachlor	0.00995	0.0155	^3+	ug/L		156	50 - 150
Heptachlor epoxide (isomer B)	0.00995	0.0143		ug/L		144	50 - 150
Hexachlorobenzene	0.0497	0.0530		ug/L		107	50 - 150
Hexachlorocyclopentadiene	0.0497	0.0611		ug/L		123	50 - 150
Indeno[1,2,3-cd]pyrene	0.0497	0.0487	J	ug/L		98	50 - 150
Isophorone	0.0995	0.0955	J	ug/L		96	50 - 150
Lindane	0.00995	0.0139		ug/L		140	50 - 150
Malathion	0.0995	0.129		ug/L		130	50 - 150
Methoxychlor	0.0497	0.0677		ug/L		136	50 - 150
Metolachlor	0.0497	0.0622		ug/L		125	50 - 150
Molinate	0.0995	0.113		ug/L		114	50 - 150
Naphthalene	0.0995	0.106		ug/L		106	50 - 150
Parathion	0.0995	0.116		ug/L		116	50 - 150
Pendimethalin (Penoxaline)	0.0995	0.133		ug/L		134	50 - 150
Phenanthrene	0.0398	0.0432		ug/L		109	50 - 150

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

Lab Sample ID: MRL 380-234091/22-A
Matrix: Water
Analysis Batch: 234159

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 234091

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Propachlor	0.0497	0.0615		ug/L		124	50 - 150
Pyrene	0.0497	0.0498	J	ug/L		100	50 - 150
Simazine	0.0497	0.0562		ug/L		113	50 - 150
Terbacil	0.0995	0.137		ug/L		138	50 - 150
Terbuthylazine	0.0995	0.117		ug/L		118	50 - 150
Thiobencarb	0.0995	0.113		ug/L		114	50 - 150
trans-Nonachlor	0.0249	0.0309	J	ug/L		124	50 - 150
Trifluralin	0.0995	0.127		ug/L		128	50 - 150

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
2-Nitro-m-xylene	*100*		*70 - 130*
Perylene-d12	*92*		*70 - 130*
Triphenylphosphate	*101*		*70 - 130*

Lab Sample ID: 380-218644-L-1-A MS
Matrix: Water
Analysis Batch: 234159

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 234091

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.098		1.94	2.00		ug/L		102	70 - 130
2,4'-DDD	<0.098		1.94	1.99		ug/L		103	70 - 130
2,4'-DDE	<0.098		1.94	1.93		ug/L		99	70 - 130
2,4'-DDT	<0.098		1.94	2.04		ug/L		105	70 - 130
2,4-Dinitrotoluene	<0.098		1.94	2.47		ug/L		127	70 - 130
2,6-Dinitrotoluene	<0.098		1.94	2.40		ug/L		123	70 - 130
2-Methylnaphthalene	<0.098		1.94	2.00		ug/L		103	70 - 130
4,4'-DDD	<0.098		1.94	1.93		ug/L		100	70 - 130
4,4'-DDE	<0.098		1.94	1.66		ug/L		86	70 - 130
4,4'-DDT	<0.098		1.94	2.03		ug/L		105	70 - 130
Acenaphthene	<0.098		1.94	1.99		ug/L		102	70 - 130
Acenaphthylene	<0.098		1.94	2.08		ug/L		107	70 - 130
Acetochlor	<0.098		1.94	2.17		ug/L		112	70 - 130
Alachlor	<0.049		1.94	2.15		ug/L		111	70 - 130
alpha-BHC	<0.098		1.94	2.04		ug/L		105	70 - 130
alpha-Chlordane	<0.049		1.94	2.00		ug/L		103	70 - 130
Anthracene	<0.020		1.94	1.79		ug/L		92	70 - 130
Atrazine	<0.049		1.94	2.23		ug/L		115	70 - 130
Benz(a)anthracene	<0.049		1.94	1.85		ug/L		95	70 - 130
Benzo[a]pyrene	<0.020		1.94	2.08		ug/L		107	70 - 130
Benzo[b]fluoranthene	<0.020		1.94	2.30		ug/L		118	70 - 130
Benzo[g,h,i]perylene	<0.049		1.94	1.88		ug/L		97	70 - 130
Benzo[k]fluoranthene	<0.020		1.94	2.21		ug/L		114	70 - 130
beta-BHC	<0.098		1.94	2.09		ug/L		107	70 - 130
Bis(2-ethylhexyl) phthalate	<0.59		1.94	1.69		ug/L		87	70 - 130
Bromacil	<0.098		1.94	2.33		ug/L		120	70 - 130
Butachlor	<0.049		1.94	2.19		ug/L		113	70 - 130
Butylbenzylphthalate	<0.49		1.94	2.16		ug/L		111	70 - 130
Chlorobenzilate	<0.098		1.94	2.36		ug/L		121	70 - 130

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

Lab Sample ID: 380-218644-L-1-A MS
Matrix: Water
Analysis Batch: 234159

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 234091

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroneb	<0.098		1.94	2.07		ug/L		106	70 - 130
Chlorothalonil (Draconil, Bravo)	<0.098		1.94	2.24		ug/L		115	70 - 130
Chlorpyrifos	<0.049		1.94	2.14		ug/L		110	70 - 130
Chrysene	<0.020	F1	1.94	2.56	F1	ug/L		132	70 - 130
delta-BHC	<0.098		1.94	2.09		ug/L		108	70 - 130
Di(2-ethylhexyl)adipate	<0.59		1.94	1.43		ug/L		73	70 - 130
Dibenz(a,h)anthracene	<0.049		1.94	1.79		ug/L		92	70 - 130
Diclorvos (DDVP)	<0.049		1.94	2.20		ug/L		113	70 - 130
Dieldrin	<0.0098		1.94	2.04		ug/L		105	70 - 130
Diethylphthalate	<0.49		1.94	2.27		ug/L		117	70 - 130
Dimethylphthalate	<0.49		1.94	2.16		ug/L		111	70 - 130
Di-n-butyl phthalate	<0.98		3.89	4.22		ug/L		109	70 - 130
Di-n-octyl phthalate	<0.098		1.94	1.62		ug/L		83	70 - 130
Endosulfan I (Alpha)	<0.098		1.94	1.96		ug/L		101	70 - 130
Endosulfan II (Beta)	<0.098		1.94	2.02		ug/L		104	70 - 130
Endosulfan sulfate	<0.098		1.94	2.17		ug/L		112	70 - 130
Endrin	<0.0098	F1	1.94	2.65	F1	ug/L		137	70 - 130
Endrin aldehyde	<0.098		1.94	1.91		ug/L		98	60 - 130
EPTC	<0.098		1.94	2.16		ug/L		111	70 - 130
Fluoranthene	<0.098		1.94	2.11		ug/L		109	70 - 130
Fluorene	<0.049		1.94	2.11		ug/L		109	70 - 130
gamma-Chlordane	<0.049		1.94	1.98		ug/L		102	70 - 130
Heptachlor	<0.0098	^3+	1.94	2.38		ug/L		123	70 - 130
Heptachlor epoxide (isomer B)	<0.0098		1.94	2.10		ug/L		108	70 - 130
Hexachlorobenzene	<0.049		1.94	2.08		ug/L		107	70 - 130
Hexachlorocyclopentadiene	<0.049		1.94	2.29		ug/L		118	70 - 130
Indeno[1,2,3-cd]pyrene	<0.049		1.94	1.86		ug/L		96	70 - 130
Isophorone	<0.098		1.94	1.96		ug/L		101	70 - 130
Lindane	<0.0098		1.94	2.20		ug/L		113	70 - 130
Malathion	<0.098		1.94	2.22		ug/L		114	70 - 130
Methoxychlor	<0.049	F1	1.94	3.35	F1	ug/L		172	70 - 130
Metolachlor	<0.049		1.94	2.14		ug/L		110	70 - 130
Molinate	<0.098		1.94	2.24		ug/L		115	70 - 130
Naphthalene	<0.098		1.94	1.97		ug/L		101	70 - 130
Parathion	<0.098		1.94	2.52		ug/L		130	70 - 130
Pendimethalin (Penoxaline)	<0.098	F1	1.94	2.60	F1	ug/L		134	70 - 130
Phenanthrene	<0.039		1.94	2.01		ug/L		104	70 - 130
Propachlor	<0.049		1.94	2.36		ug/L		121	70 - 130
Pyrene	<0.049		1.94	2.15		ug/L		111	70 - 130
Simazine	<0.049		1.94	2.11		ug/L		108	70 - 130
Terbacil	<0.098	F1	1.94	2.66	F1	ug/L		137	70 - 130
Terbuthylazine	<0.098		1.94	2.19		ug/L		113	70 - 130
Thiobencarb	<0.098		1.94	2.07		ug/L		107	70 - 130
trans-Nonachlor	<0.049		1.94	1.84		ug/L		95	70 - 130
Trifluralin	<0.098		1.94	2.31		ug/L		119	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Nitro-m-xylene	*101*		*70 - 130*

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

Lab Sample ID: 380-218644-L-1-A MS
Matrix: Water
Analysis Batch: 234159

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 234091

Surrogate	MS %Recovery	MS Qualifier	Limits
Perylene-d12	*90*		*70 - 130*
Triphenylphosphate	*106*		*70 - 130*

Lab Sample ID: 380-219486-BB-1-A DU
Matrix: Water
Analysis Batch: 234159

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 234091

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
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	<0.0098			<0.0098		ug/L				NC	20
Diethylphthalate	<0.49			<0.49		ug/L				NC	20
Dimethylphthalate	<0.49			<0.49		ug/L				NC	20

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

Lab Sample ID: 380-219486-BB-1-A DU
Matrix: Water
Analysis Batch: 234159

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 234091

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Di-n-butyl phthalate	<0.98			<0.98		ug/L				NC	20
Di-n-octyl phthalate	<0.098			<0.098		ug/L				NC	20
Endosulfan I (Alpha)	<0.098			<0.098		ug/L				NC	20
Endosulfan II (Beta)	<0.098			<0.098		ug/L				NC	20
Endosulfan sulfate	<0.098			<0.098		ug/L				NC	20
Endrin	<0.0098			<0.0098		ug/L				NC	20
Endrin aldehyde	<0.098			<0.098		ug/L				NC	20
EPTC	<0.098			<0.098		ug/L				NC	20
Fluoranthene	<0.098			<0.098		ug/L				NC	20
Fluorene	<0.049			<0.049		ug/L				NC	20
gamma-Chlordane	<0.049			<0.049		ug/L				NC	20
Heptachlor	<0.0098	^3+		<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
Terbuthylazine	<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 %Recovery*	*DU Qualifier*	*Limits*
2-Nitro-m-xylene	*100*		*70 - 130*
Perylene-d12	*81*		*70 - 130*
Triphenylphosphate	*101*		*70 - 130*

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

Lab Sample ID: MB 570-753632/1-A
Matrix: Water
Analysis Batch: 755484

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 753632

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	06/12/26 21:50	06/17/26 11:19	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	63		33 - 139	06/12/26 21:50	06/17/26 11:19	1
2-Fluorobiphenyl (Surr)	68		33 - 126	06/12/26 21:50	06/17/26 11:19	1
2-Fluorophenol (Surr)	49		12 - 120	06/12/26 21:50	06/17/26 11:19	1
Nitrobenzene-d5 (Surr)	82		36 - 120	06/12/26 21:50	06/17/26 11:19	1
Phenol-d6 (Surr)	29		10 - 120	06/12/26 21:50	06/17/26 11:19	1
p-Terphenyl-d14 (Surr)	73		47 - 131	06/12/26 21:50	06/17/26 11:19	1

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

Lab Sample ID: MB 570-753632/1-A
Matrix: Water
Analysis Batch: 754628

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 753632

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.20		0.20		ug/L		06/12/26 21:50	06/15/26 23:14	1
2-Methylnaphthalene	<0.20		0.20		ug/L		06/12/26 21:50	06/15/26 23:14	1
Acenaphthene	<0.20		0.20		ug/L		06/12/26 21:50	06/15/26 23:14	1
Acenaphthylene	<0.20		0.20		ug/L		06/12/26 21:50	06/15/26 23:14	1
Anthracene	<0.20		0.20		ug/L		06/12/26 21:50	06/15/26 23:14	1
Benzo[a]anthracene	<0.20		0.20		ug/L		06/12/26 21:50	06/15/26 23:14	1
Benzo[a]pyrene	<0.20		0.20		ug/L		06/12/26 21:50	06/15/26 23:14	1
Benzo[b]fluoranthene	<0.20		0.20		ug/L		06/12/26 21:50	06/15/26 23:14	1
Benzo[g,h,i]perylene	<0.20		0.20		ug/L		06/12/26 21:50	06/15/26 23:14	1
Benzo[k]fluoranthene	<0.20		0.20		ug/L		06/12/26 21:50	06/15/26 23:14	1
Chrysene	<0.20		0.20		ug/L		06/12/26 21:50	06/15/26 23:14	1
Dibenz(a,h)anthracene	<0.20		0.20		ug/L		06/12/26 21:50	06/15/26 23:14	1
Fluoranthene	<0.20		0.20		ug/L		06/12/26 21:50	06/15/26 23:14	1
Fluorene	<0.20		0.20		ug/L		06/12/26 21:50	06/15/26 23:14	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20		ug/L		06/12/26 21:50	06/15/26 23:14	1
Naphthalene	<0.20		0.20		ug/L		06/12/26 21:50	06/15/26 23:14	1
Phenanthrene	<0.20		0.20		ug/L		06/12/26 21:50	06/15/26 23:14	1
Pyrene	<0.20		0.20		ug/L		06/12/26 21:50	06/15/26 23:14	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	75		28 - 127	06/12/26 21:50	06/15/26 23:14	1
2-Fluorobiphenyl (Surr)	71		31 - 120	06/12/26 21:50	06/15/26 23:14	1
2-Fluorophenol (Surr)	50		17 - 120	06/12/26 21:50	06/15/26 23:14	1
Nitrobenzene-d5 (Surr)	74		27 - 120	06/12/26 21:50	06/15/26 23:14	1
Phenol-d6 (Surr)	33		10 - 120	06/12/26 21:50	06/15/26 23:14	1
p-Terphenyl-d14 (Surr)	76		45 - 120	06/12/26 21:50	06/15/26 23:14	1

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

Lab Sample ID: LCS 570-753632/2-A
Matrix: Water
Analysis Batch: 754835

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 753632

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1-Methylnaphthalene			20.0	9.91		ug/L		50	47 - 120		
2-Methylnaphthalene			20.0	9.17		ug/L		46	43 - 120		
Acenaphthene			20.0	10.8	*-	ug/L		54	60 - 132		
Acenaphthylene			20.0	11.0		ug/L		55	54 - 126		
Anthracene			20.0	10.9		ug/L		54	43 - 120		
Benzo[a]anthracene			20.0	11.4		ug/L		57	42 - 133		
Benzo[a]pyrene			20.0	10.7		ug/L		54	32 - 148		
Benzo[b]fluoranthene			20.0	10.8		ug/L		54	42 - 140		
Benzo[g,h,i]perylene			20.0	10.5		ug/L		53	1 - 195		
Benzo[k]fluoranthene			20.0	10.7		ug/L		53	25 - 146		
Chrysene			20.0	11.0		ug/L		55	44 - 140		
Dibenz(a,h)anthracene			20.0	11.3		ug/L		57	1 - 200		
Fluoranthene			20.0	10.4		ug/L		52	43 - 121		
Fluorene			20.0	10.8	*-	ug/L		54	70 - 120		
Indeno[1,2,3-cd]pyrene			20.0	11.2		ug/L		56	1 - 151		
Naphthalene			20.0	9.10		ug/L		45	36 - 120		
Phenanthrene			20.0	10.8	*-	ug/L		54	65 - 120		
Pyrene			20.0	12.4	*-	ug/L		62	70 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*59*		*28 - 127*
2-Fluorobiphenyl (Surr)	*55*		*31 - 120*
2-Fluorophenol (Surr)	*43*		*17 - 120*
Nitrobenzene-d5 (Surr)	*50*		*27 - 120*
Phenol-d6 (Surr)	*29*		*10 - 120*
p-Terphenyl-d14 (Surr)	*63*		*45 - 120*

Lab Sample ID: LCSD 570-753632/3-A
Matrix: Water
Analysis Batch: 754835

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 753632

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene			20.0	11.9		ug/L		60	47 - 120	18	20
2-Methylnaphthalene			20.0	11.2		ug/L		56	43 - 120	20	20
Acenaphthene			20.0	13.4		ug/L		67	60 - 132	21	29
Acenaphthylene			20.0	13.7		ug/L		69	54 - 126	22	45
Anthracene			20.0	13.5		ug/L		68	43 - 120	22	40
Benzo[a]anthracene			20.0	14.2		ug/L		71	42 - 133	22	32
Benzo[a]pyrene			20.0	13.9		ug/L		70	32 - 148	26	43
Benzo[b]fluoranthene			20.0	13.9		ug/L		69	42 - 140	25	43
Benzo[g,h,i]perylene			20.0	13.5		ug/L		67	1 - 195	25	61
Benzo[k]fluoranthene			20.0	13.7		ug/L		69	25 - 146	25	38
Chrysene			20.0	13.7		ug/L		68	44 - 140	22	53
Dibenz(a,h)anthracene			20.0	14.3		ug/L		72	1 - 200	23	75
Fluoranthene			20.0	13.2		ug/L		66	43 - 121	23	40
Fluorene			20.0	13.5	*-	ug/L		67	70 - 120	22	23
Indeno[1,2,3-cd]pyrene			20.0	14.1		ug/L		70	1 - 151	23	60
Naphthalene			20.0	11.1		ug/L		56	36 - 120	20	39

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

Lab Sample ID: LCSD 570-753632/3-A
Matrix: Water
Analysis Batch: 754835

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 753632

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phenanthrene			20.0	13.5		ug/L		67	65 - 120	23	24
Pyrene			20.0	14.8		ug/L		74	70 - 120	18	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*71*		*28 - 127*
2-Fluorobiphenyl (Surr)	*67*		*31 - 120*
2-Fluorophenol (Surr)	*52*		*17 120*
Nitrobenzene-d5 (Surr)	*59*		*27 - 120*
Phenol-d6 (Surr)	*35*		*10 - 120*
p-Terphenyl-d14 (Surr)	*73*		*45 - 120*

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

Lab Sample ID: MB 570-755498/7
Matrix: Water
Analysis Batch: 755498

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			06/17/26 12:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*38 - 134*		*06/17/26 12:30*	*1*

Lab Sample ID: LCS 570-755498/4
Matrix: Water
Analysis Batch: 755498

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	441		ug/L		110	78 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*38 - 134*

Lab Sample ID: LCSD 570-755498/5
Matrix: Water
Analysis Batch: 755498

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	481		ug/L		120	78 - 120	9	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*38 - 134*

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

Lab Sample ID: MRL 570-755498/6
Matrix: Water
Analysis Batch: 755498

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	13.3		ug/L		133	50 - 150		

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*38 - 134*

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

Lab Sample ID: MB 570-753329/1-A
Matrix: Water
Analysis Batch: 757614

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 753329

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<25		25		ug/L		06/12/26 10:40	06/21/26 22:36	1
Motor Oil Range Organics [C24-C36]	<25		25		ug/L		06/12/26 10:40	06/21/26 22:36	1
C8-C18	<25		25		ug/L		06/12/26 10:40	06/21/26 22:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*89*		*60 - 130*	*06/12/26 10:40*	*06/21/26 22:36*	*1*

Lab Sample ID: LCS 570-753329/2-A
Matrix: Water
Analysis Batch: 757614

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 753329

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28			1600	1980		ug/L		124	56 - 127		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane (Surr)	*95*		*60 - 130*

Lab Sample ID: LCSD 570-753329/3-A
Matrix: Water
Analysis Batch: 757614

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 753329

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28			1600	1730		ug/L		108	56 - 127	14	23

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
n-Octacosane (Surr)	*80*		*60 - 130*

Lab Sample ID: MRL 570-753329/4-A
Matrix: Water
Analysis Batch: 757614

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 753329

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28			0.0200	0.0273		mg/L		137	50 - 150		

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

Lab Sample ID: MRL 570-753329/4-A
Matrix: Water
Analysis Batch: 757614

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 753329

Surrogate	MRL %Recovery	MRL Qualifier	Limits
n-Octacosane (Surr)	*85*		*60 - 130*

GC/MS Semi VOA

Prep Batch: 234091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-218892-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	525.2	
MB 380-234091/21-A	Method Blank	Total/NA	Water	525.2	
LCS 380-234091/23-A	Lab Control Sample	Total/NA	Water	525.2	
MRL 380-234091/22-A	Lab Control Sample	Total/NA	Water	525.2	
380-218644-L-1-A MS	Matrix Spike	Total/NA	Water	525.2	
380-219486-BB-1-A DU	Duplicate	Total/NA	Water	525.2	

Analysis Batch: 234159

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-218892-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	525.2	234091
MB 380-234091/21-A	Method Blank	Total/NA	Water	525.2	234091
LCS 380-234091/23-A	Lab Control Sample	Total/NA	Water	525.2	234091
MRL 380-234091/22-A	Lab Control Sample	Total/NA	Water	525.2	234091
380-218644-L-1-A MS	Matrix Spike	Total/NA	Water	525.2	234091
380-219486-BB-1-A DU	Duplicate	Total/NA	Water	525.2	234091

Prep Batch: 753632

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-218892-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	625.1	
MB 570-753632/1-A	Method Blank	Total/NA	Water	625.1	
LCS 570-753632/2-A	Lab Control Sample	Total/NA	Water	625.1	
LCSD 570-753632/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	

Analysis Batch: 754628

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-753632/1-A	Method Blank	Total/NA	Water	625.1 SIM	753632

Analysis Batch: 754835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 570-753632/2-A	Lab Control Sample	Total/NA	Water	625.1 SIM	753632
LCSD 570-753632/3-A	Lab Control Sample Dup	Total/NA	Water	625.1 SIM	753632

Analysis Batch: 755136

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-218892-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	625.1 SIM	753632

Analysis Batch: 755484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-218892-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	625.1	753632
MB 570-753632/1-A	Method Blank	Total/NA	Water	625.1	753632

GC VOA

Analysis Batch: 755498

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-218892-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	8015B GRO LL	
380-218892-2	TB: AIEA GULCH WELLS PUMP 2 (331-202-TP0	Total/NA	Water	8015B GRO LL	
MB 570-755498/7	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-755498/4	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-755498/5	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-755498/6	Lab Control Sample	Total/NA	Water	8015B GRO LL	

QC Association Summary

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

Job ID: 380-218892-1
SDG: Weekly: Aiea Gulch Wells Pump 2

GC Semi VOA

Prep Batch: 753329

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-218892-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	3510C	
MB 570-753329/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-753329/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-753329/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MRL 570-753329/4-A	Lab Control Sample	Total/NA	Water	3510C	

Analysis Batch: 757614

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-218892-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	8015B	753329
MB 570-753329/1-A	Method Blank	Total/NA	Water	8015B	753329
LCS 570-753329/2-A	Lab Control Sample	Total/NA	Water	8015B	753329
LCSD 570-753329/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	753329
MRL 570-753329/4-A	Lab Control Sample	Total/NA	Water	8015B	753329

Lab Chronicle

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

Job ID: 380-218892-1
SDG: Weekly: Aiea Gulch Wells Pump 2

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

Lab Sample ID: 380-218892-1

Date Collected: 06/08/26 09:00
Date Received: 06/10/26 09:24

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			234091	OTM3	EA POM	06/16/26 06:46
Total/NA	Analysis	525.2		1	234159	UPAC	EA POM	06/16/26 16:09
Total/NA	Prep	625.1			753632	TIZL	EET CAL 4	06/12/26 21:50
Total/NA	Analysis	625.1		1	755484	J7WE	EET CAL 4	06/17/26 12:03
Total/NA	Prep	625.1			753632	TIZL	EET CAL 4	06/12/26 21:50
Total/NA	Analysis	625.1 SIM		1	755136	S4EA	EET CAL 4	06/17/26 02:06
Total/NA	Analysis	8015B GRO LL		1	755498	A9VE	EET CAL 4	06/17/26 15:25
Total/NA	Prep	3510C			753329	EP2G	EET CAL 4	06/12/26 10:40
Total/NA	Analysis	8015B		1	757614	H6FE	EET CAL 4	06/22/26 00:02

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

Lab Sample ID: 380-218892-2

Date Collected: 06/08/26 09:00
Date Received: 06/10/26 09:24

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	755498	A9VE	EET CAL 4	06/17/26 13:52

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: 380-218892-1
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	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	11-17-26
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: 380-218892-1
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	09-30-26
Utah	NELAP	CA00111	02-28-27
Washington	State	C916	10-12-26

Method Summary

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

Job ID: 380-218892-1
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: 380-218892-1
SDG: Weekly: Aiea Gulch Wells Pump 2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	PWSID Number
380-218892-1	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Drinking Water	06/08/26 09:00	06/10/26 09:24	HI0000331
380-218892-2	TB: AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Water	06/08/26 09:00	06/10/26 09:24	

Eurofins Eaton Analytical Pomona

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Kai Edison	Lab PM: Lopez Maria	Carrier Tracking No(s):	COC No:
Client Contact: Kirk Iwamoto	Phone: +1 808 748 5840	E-Mail: Maria.Lopez@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: City & County of Honolulu	PWSID:	Analysis Requested		Job #:
Address: 630 South Beretania Street Chemistry Lab	Due Date Requested:			Preservation Codes: R - NaThioSO4, RA - NaThio/HCl, Q - Na2SO3, QA - Na2SO3/HCl, Y - Trizma, I - NH4 Acetate
City: Honolulu	TAT Requested (days):			
State Zip: HI 96843	Compliance Project: 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			Other:
Site: Hawaii	SSOW#:			380-218892 COC

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_CS HNL Ranges C10-C24/C24-C36/C8-C18	525.2_PREC - (MOD) 525plus Plus TICs	Total Number of containers	Special Instructions/Note:
				Preservation Code:	X	X	R	RA	Q	QA	X	
AIEA GULCH WELLS PUMP 2 (331-202-TP072)	8-Jun-2026	9:00	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)	8-Jun-2026	9:00	G	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 5728 5743 4056

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[redacted]	6/9/26 12:00	HBWS	[signature]	6/11/26 924	EEAP
	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks: 75 IA 5.6/5.6 921 Frozen

Ver: 04/02/2024

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Kai Edison	Lab PM: Lopez Maria	Carrier Tracking No(s):	COC No:
Client Contact: Kirk Iwamoto	Phone: +1 808 748 5840	E-Mail: Maria.Lopez@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: City & County of Honolulu	PWSID:	**Analysis Requested**		Job #:
Address: 630 South Beretania Street Chemistry Lab	Due Date Requested:			Preservation Codes: R - NaThioSO4, RA - NaThio/HCl, Q - Na2SO3, QA - Na2SO3/HCl, Y - Trizma, I - NH4 Acetate
City: Honolulu	TAT Requested (days):			
State Zip: HI 96843	Compliance Project: 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			Other: 380-218892 COC
Site: Hawaii	SSOW#:			

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_CS HNL Ranges C10-C24/C24-C36/C8-C18	525.2_PREC - (MOD) 525plus Plus TICs	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	R	RA	Q	QA	X	
AIEA GULCH WELLS PUMP 2 (331-202-TP072)	8-Jun-2026	9:00	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)	8-Jun-2026	9:00	G	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 5728 5743 1056		
Relinquished by: Kai Edison	Date/Time: 6/9/26 12:00	Company: HBWS	Received by: [signature]	Date/Time: 6/10/26 0924	Company: EEAP
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.		Cooler Temperature(s) °C and Other Remarks: 751A 5.6/5.6 901 Frozen		

Ver 04/02/2024

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

Chain of Custody Record

eurofins

Loc: 380
218892

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Lopez, Maria	Carrier Tracking No(s): N/A	COC No: 380-344098.1
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 #: 380-218892-1
Address: 2841 Dow Avenue, Suite 100,	Due Date Requested: 6/23/2026	Analysis Requested		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)	8015B_DRO_LL_CS/3510C_LLHNL Ranges: C10-C24/C24-C36/C8-C18	625.1_SIM/625_Prep(MOD) Extended PAH List	8015B_GRO_LL/5030C(MOD) GRO	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
AIEA GULCH WELLS PUMP 2 (331-202-TP072) (380-218892-1)	6/8/26	09:00 Hawaiian	G	Water			X	X	X	7	MRLs are needed. Confirm any hits >RL.
TB: AIEA GULCH WELLS PUMP 2 (331-202-TP072) (380-21889	6/8/26	09:00 Hawaiian	G	Water					X	2	MRLs are needed. Confirm any hits >RL.

380-218892 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 *Unconfirmed*	*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) 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
Manuel Markurratia	6/10/26 1600	ECAP	Carlos Leos	6-10-26 16:00	WAY
Carlos Leos	6-10-26 17:47	WAY	[signature]	6/10/26 1747	EC

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.4 / 1.8 IR-3

Ver: 03/20/2026

6/24/2026

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

Chain of Custody Record

eurofins

Loc: 380
218892

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Lopez, Maria	Carrier Tracking No(s): N/A	COC No: 380-344098.1
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 #: 380-218892-1
Address: 2841 Dow Avenue, Suite 100,	Due Date Requested: 6/23/2026	Analysis Requested		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)	8015B_DRO_LL_CS/3510C_LLHNL Ranges: C10-C24/C24-C36/C8-C18	625.1_SIM/625_Prep(MOD) Extended PAH List	8015B_GRO_LL/5030C(MOD) GRO	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
AIEA GULCH WELLS PUMP 2 (331-202-TP072) (380-218892-1)	6/8/26	09:00 Hawaiian	G	Water			X	X	X	7	MRLs are needed. Confirm any hits >RL.
TB: AIEA GULCH WELLS PUMP 2 (331-202-TP072) (380-21889[illegible]	6/8/26	09:00 Hawaiian	G	Water					X	2	MRLs are needed. Confirm any hits >RL.

380-218892 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 *Unconfirmed*		*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)	Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: Mark Urrutia	Date/Time: 6/10/26 1600	Company: EEAP	Received by: Carlos Leos	Date/Time: 6-10-26 16:00	Company: WAY
Relinquished by: Carlos Leos	Date/Time: 6-10-26 17:47	Company: WAY	Received by: [signature]	Date/Time: 6/10/26 1747	Company: EEC
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: 1.4 / 1.8 IR-3		

Ver: 03/20/2026

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-218892-1
SDG Number: Weekly: Aiea Gulch Wells Pump 2

Login Number: 218892
List Number: 1
Creator: Segura, Ryan

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	
ClO4 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: 380-218892-1
SDG Number: Weekly: Aiea Gulch Wells Pump 2

Login Number: 218892
List Number: 2
Creator: Khana, Piyush

List Source: Eurofins Calscience
List Creation: 06/10/26 07:00 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	1.8
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	

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-218892-1
SDG Number: Weekly: Aiea Gulch Wells Pump 2

Login Number: 218892
List Number: 3
Creator: Khana, Piyush

List Source: Eurofins Calscience
List Creation: 06/22/26 01:02 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	
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?	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	
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	