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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

Generated 5/26/2026 9:48:07 PM

JOB DESCRIPTION

RED-HILL
Weekly: Aiea Gulch Wells Pump 1

JOB NUMBER

380-213683-1

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

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

Job Narrative
380-213683-1

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 temperature of the cooler at receipt time was 2.6°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.

Detection Summary

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

Job ID: 380-213683-1
SDG: Weekly: Aiea Gulch Wells Pump 1

Client Sample ID: AIEA GULCH WELLS PUMP 1 (331-201-TP071)
Lab Sample ID: 380-213683-1
PWSID Number: HI0000331

No Detections.

Client Sample ID: TB: AIEA GULCH WELLS PUMP 1 (331-201-TP071)
Lab Sample ID: 380-213683-2

No Detections.

This Detection Summary does not include radiochemical test results.

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

Job ID: 380-213683-1
SDG: Weekly: Aiea Gulch Wells Pump 1

Client Sample ID: AIEA GULCH WELLS PUMP 1 (331-201-TP071)
Date Collected: 05/11/26 10:35
Date Received: 05/13/26 09:28

Lab Sample ID: 380-213683-1
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	<0.097		0.097		ug/L		05/18/26 08:22	05/18/26 16:16	1
2,4'-DDD	<0.097		0.097		ug/L		05/18/26 08:22	05/18/26 16:16	1
2,4'-DDE	<0.097		0.097		ug/L		05/18/26 08:22	05/18/26 16:16	1
2,4'-DDT	<0.097		0.097		ug/L		05/18/26 08:22	05/18/26 16:16	1
2,4-Dinitrotoluene	<0.097		0.097		ug/L		05/18/26 08:22	05/18/26 16:16	1
2,6-Dinitrotoluene	<0.097		0.097		ug/L		05/18/26 08:22	05/18/26 16:16	1
2-Methylnaphthalene	<0.097		0.097		ug/L		05/18/26 08:22	05/18/26 16:16	1
4,4'-DDD	<0.097		0.097		ug/L		05/18/26 08:22	05/18/26 16:16	1
4,4'-DDE	<0.097		0.097		ug/L		05/18/26 08:22	05/18/26 16:16	1
4,4'-DDT	<0.097		0.097		ug/L		05/18/26 08:22	05/18/26 16:16	1
Acenaphthene	<0.097		0.097		ug/L		05/18/26 08:22	05/18/26 16:16	1
Acenaphthylene	<0.097		0.097		ug/L		05/18/26 08:22	05/18/26 16:16	1
Acetochlor	<0.097		0.097		ug/L		05/18/26 08:22	05/18/26 16:16	1
Alachlor	<0.049		0.049		ug/L		05/18/26 08:22	05/18/26 16:16	1
alpha-BHC	<0.097		0.097		ug/L		05/18/26 08:22	05/18/26 16:16	1
alpha-Chlordane	<0.049		0.049		ug/L		05/18/26 08:22	05/18/26 16:16	1
Anthracene	<0.019		0.019		ug/L		05/18/26 08:22	05/18/26 16:16	1
Atrazine	<0.049		0.049		ug/L		05/18/26 08:22	05/18/26 16:16	1
Benz(a)anthracene	<0.049		0.049		ug/L		05/18/26 08:22	05/18/26 16:16	1
Benzo[a]pyrene	<0.019		0.019		ug/L		05/18/26 08:22	05/18/26 16:16	1
Benzo[b]fluoranthene	<0.019		0.019		ug/L		05/18/26 08:22	05/18/26 16:16	1
Benzo[g,h,i]perylene	<0.049		0.049		ug/L		05/18/26 08:22	05/18/26 16:16	1
Benzo[k]fluoranthene	<0.019		0.019		ug/L		05/18/26 08:22	05/18/26 16:16	1
beta-BHC	<0.097		0.097		ug/L		05/18/26 08:22	05/18/26 16:16	1
Bis(2-ethylhexyl) phthalate	<0.58		0.58		ug/L		05/18/26 08:22	05/18/26 16:16	1
Bromacil	<0.097		0.097		ug/L		05/18/26 08:22	05/18/26 16:16	1
Butachlor	<0.049		0.049		ug/L		05/18/26 08:22	05/18/26 16:16	1
Butylbenzylphthalate	<0.49		0.49		ug/L		05/18/26 08:22	05/18/26 16:16	1
Chlorobenzilate	<0.097		0.097		ug/L		05/18/26 08:22	05/18/26 16:16	1
Chloroneb	<0.097		0.097		ug/L		05/18/26 08:22	05/18/26 16:16	1
Chlorothalonil (Draconil, Bravo)	<0.097		0.097		ug/L		05/18/26 08:22	05/18/26 16:16	1
Chlorpyrifos	<0.049		0.049		ug/L		05/18/26 08:22	05/18/26 16:16	1
Chrysene	<0.019		0.019		ug/L		05/18/26 08:22	05/18/26 16:16	1
delta-BHC	<0.097		0.097		ug/L		05/18/26 08:22	05/18/26 16:16	1
Di(2-ethylhexyl)adipate	<0.58		0.58		ug/L		05/18/26 08:22	05/18/26 16:16	1
Dibenz(a,h)anthracene	<0.049		0.049		ug/L		05/18/26 08:22	05/18/26 16:16	1
Diclorvos (DDVP)	<0.049		0.049		ug/L		05/18/26 08:22	05/18/26 16:16	1
Dieldrin	<0.0097		0.0097		ug/L		05/18/26 08:22	05/18/26 16:16	1
Diethylphthalate	<0.49		0.49		ug/L		05/18/26 08:22	05/18/26 16:16	1
Dimethylphthalate	<0.49		0.49		ug/L		05/18/26 08:22	05/18/26 16:16	1
Di-n-butyl phthalate	<0.97		0.97		ug/L		05/18/26 08:22	05/18/26 16:16	1
Di-n-octyl phthalate	<0.097		0.097		ug/L		05/18/26 08:22	05/18/26 16:16	1
Endosulfan I (Alpha)	<0.097		0.097		ug/L		05/18/26 08:22	05/18/26 16:16	1
Endosulfan II (Beta)	<0.097		0.097		ug/L		05/18/26 08:22	05/18/26 16:16	1
Endosulfan sulfate	<0.097		0.097		ug/L		05/18/26 08:22	05/18/26 16:16	1
Endrin	<0.0097		0.0097		ug/L		05/18/26 08:22	05/18/26 16:16	1
Endrin aldehyde	<0.097		0.097		ug/L		05/18/26 08:22	05/18/26 16:16	1
EPTC	<0.097		0.097		ug/L		05/18/26 08:22	05/18/26 16:16	1

Client Sample ID: AIEA GULCH WELLS PUMP 1 (331-201-TP071)
Date Collected: 05/11/26 10:35
Date Received: 05/13/26 09:28

Lab Sample ID: 380-213683-1
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	<0.097		0.097		ug/L		05/18/26 08:22	05/18/26 16:16	1
Fluorene	<0.049		0.049		ug/L		05/18/26 08:22	05/18/26 16:16	1
gamma-Chlordane	<0.049		0.049		ug/L		05/18/26 08:22	05/18/26 16:16	1
Heptachlor	<0.0097		0.0097		ug/L		05/18/26 08:22	05/18/26 16:16	1
Heptachlor epoxide (isomer B)	<0.0097		0.0097		ug/L		05/18/26 08:22	05/18/26 16:16	1
Hexachlorobenzene	<0.049		0.049		ug/L		05/18/26 08:22	05/18/26 16:16	1
Hexachlorocyclopentadiene	<0.049		0.049		ug/L		05/18/26 08:22	05/18/26 16:16	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049		ug/L		05/18/26 08:22	05/18/26 16:16	1
Isophorone	<0.097		0.097		ug/L		05/18/26 08:22	05/18/26 16:16	1
Lindane	<0.0097		0.0097		ug/L		05/18/26 08:22	05/18/26 16:16	1
Malathion	<0.097		0.097		ug/L		05/18/26 08:22	05/18/26 16:16	1
Methoxychlor	<0.049		0.049		ug/L		05/18/26 08:22	05/18/26 16:16	1
Metolachlor	<0.049		0.049		ug/L		05/18/26 08:22	05/18/26 16:16	1
Molinate	<0.097		0.097		ug/L		05/18/26 08:22	05/18/26 16:16	1
Naphthalene	<0.097		0.097		ug/L		05/18/26 08:22	05/18/26 16:16	1
Parathion	<0.097		0.097		ug/L		05/18/26 08:22	05/18/26 16:16	1
Pendimethalin (Penoxaline)	<0.097		0.097		ug/L		05/18/26 08:22	05/18/26 16:16	1
Phenanthrene	<0.039		0.039		ug/L		05/18/26 08:22	05/18/26 16:16	1
Propachlor	<0.049		0.049		ug/L		05/18/26 08:22	05/18/26 16:16	1
Pyrene	<0.049		0.049		ug/L		05/18/26 08:22	05/18/26 16:16	1
Simazine	<0.049		0.049		ug/L		05/18/26 08:22	05/18/26 16:16	1
Terbacil	<0.097		0.097		ug/L		05/18/26 08:22	05/18/26 16:16	1
Terbuthylazine	<0.097		0.097		ug/L		05/18/26 08:22	05/18/26 16:16	1
Thiobencarb	<0.097		0.097		ug/L		05/18/26 08:22	05/18/26 16:16	1
Total Permethrin (mixed isomers)	<0.19		0.19		ug/L		05/18/26 08:22	05/18/26 16:16	1
trans-Nonachlor	<0.049		0.049		ug/L		05/18/26 08:22	05/18/26 16:16	1
Trifluralin	<0.097		0.097		ug/L		05/18/26 08:22	05/18/26 16:16	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*	*05/18/26 08:22*	*05/18/26 16:16*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*100*		*70 - 130*	*05/18/26 08:22*	*05/18/26 16:16*	*1*
Perylene-d12	*84*		*70 - 130*	*05/18/26 08:22*	*05/18/26 16:16*	*1*
Triphenylphosphate	*95*		*70 - 130*	*05/18/26 08:22*	*05/18/26 16:16*	*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 14:23	1
2-Methylnaphthalene	<0.19	*1	0.19		ug/L		05/17/26 08:58	05/19/26 14:23	1
Acenaphthene	<0.19		0.19		ug/L		05/17/26 08:58	05/19/26 14:23	1
Acenaphthylene	<0.19		0.19		ug/L		05/17/26 08:58	05/19/26 14:23	1
Anthracene	<0.19		0.19		ug/L		05/17/26 08:58	05/19/26 14:23	1
Benzo[a]anthracene	<0.19		0.19		ug/L		05/17/26 08:58	05/19/26 14:23	1
Benzo[a]pyrene	<0.19		0.19		ug/L		05/17/26 08:58	05/19/26 14:23	1
Benzo[b]fluoranthene	<0.19		0.19		ug/L		05/17/26 08:58	05/19/26 14:23	1
Benzo[g,h,i]perylene	<0.19		0.19		ug/L		05/17/26 08:58	05/19/26 14:23	1
Benzo[k]fluoranthene	<0.19		0.19		ug/L		05/17/26 08:58	05/19/26 14:23	1
Chrysene	<0.19		0.19		ug/L		05/17/26 08:58	05/19/26 14:23	1

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

Lab Sample ID: 380-213683-1

Date Collected: 05/11/26 10:35
Date Received: 05/13/26 09:28

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		05/17/26 08:58	05/19/26 14:23	1
Fluoranthene	<0.19		0.19		ug/L		05/17/26 08:58	05/19/26 14:23	1
Fluorene	<0.19		0.19		ug/L		05/17/26 08:58	05/19/26 14:23	1
Indeno[1,2,3-cd]pyrene	<0.19		0.19		ug/L		05/17/26 08:58	05/19/26 14:23	1
Naphthalene	<0.19		0.19		ug/L		05/17/26 08:58	05/19/26 14:23	1
Phenanthrene	<0.19		0.19		ug/L		05/17/26 08:58	05/19/26 14:23	1
Pyrene	<0.19		0.19		ug/L		05/17/26 08:58	05/19/26 14:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*84*		*28 - 127*	*05/17/26 08:58*	*05/19/26 14:23*	*1*
2-Fluorobiphenyl (Surr)	*74*		*31 - 120*	*05/17/26 08:58*	*05/19/26 14:23*	*1*
2-Fluorophenol (Surr)	*47*		*17 - 120*	*05/17/26 08:58*	*05/19/26 14:23*	*1*
Nitrobenzene-d5 (Surr)	*74*		*27 - 120*	*05/17/26 08:58*	*05/19/26 14:23*	*1*
Phenol-d6 (Surr)	*30*		*10 - 120*	*05/17/26 08:58*	*05/19/26 14:23*	*1*
p-Terphenyl-d14 (Surr)	*73*		*45 - 120*	*05/17/26 08:58*	*05/19/26 14:23*	*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 11:59*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*71*		*33 - 139*	*05/17/26 08:58*	*05/26/26 11:59*	*1*
2-Fluorobiphenyl (Surr)	*87*		*33 - 126*	*05/17/26 08:58*	*05/26/26 11:59*	*1*
2-Fluorophenol (Surr)	*55*		*12 - 120*	*05/17/26 08:58*	*05/26/26 11:59*	*1*
Nitrobenzene-d5 (Surr)	*84*		*36 - 120*	*05/17/26 08:58*	*05/26/26 11:59*	*1*
Phenol-d6 (Surr)	*31*		*10 - 120*	*05/17/26 08:58*	*05/26/26 11:59*	*1*
p-Terphenyl-d14 (Surr)	*80*		*47 - 131*	*05/17/26 08:58*	*05/26/26 11:59*	*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			05/22/26 14:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*38 - 134*		*05/22/26 14:21*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<25		25		ug/L		05/15/26 07:20	05/17/26 03:36	1
Motor Oil Range Organics [C24-C36]	<25		25		ug/L		05/15/26 07:20	05/17/26 03:36	1
C8-C18	<25		25		ug/L		05/15/26 07:20	05/17/26 03:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*116*		*60 - 130*	*05/15/26 07:20*	*05/17/26 03:36*	*1*

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

Job ID: 380-213683-1
SDG: Weekly: Aiea Gulch Wells Pump 1

Client Sample ID: TB: AIEA GULCH WELLS PUMP 1 (331-201-TP071)
Date Collected: 05/11/26 10:35
Date Received: 05/13/26 09:28

Lab Sample ID: 380-213683-2
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			05/22/26 13:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*38 - 134*		*05/22/26 13:12*	*1*

Action Limit Summary

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

Job ID: 380-213683-1
SDG: Weekly: Aiea Gulch Wells Pump 1

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

Lab Sample ID: 380-213683-1

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	<0.019		ug/L	0.2	0.019	525.2	Total/NA
Bis(2-ethylhexyl) phthalate	<0.58		ug/L	6	0.58	525.2	Total/NA
Di(2-ethylhexyl)adipate	<0.58		ug/L	400	0.58	525.2	Total/NA
Endrin	<0.0097		ug/L	2	0.0097	525.2	Total/NA
Heptachlor	<0.0097		ug/L	0.4	0.0097	525.2	Total/NA
Heptachlor epoxide (isomer B)	<0.0097		ug/L	0.2	0.0097	525.2	Total/NA
Hexachlorobenzene	<0.049		ug/L	1	0.049	525.2	Total/NA
Hexachlorocyclopentadiene	<0.049		ug/L	50	0.049	525.2	Total/NA
Lindane	<0.0097		ug/L	0.2	0.0097	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: 380-213683-1
SDG: Weekly: Aiea Gulch Wells Pump 1

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

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

		Percent Surrogate Recovery (Acceptance Limits)		
		2NMX	PRY	TPP
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
380-213683-1	AIEA GULCH WELLS PUMP 1 (331	10	84	95

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)
380-213671-I-1-A MS	Matrix Spike	97	94	95
380-213690-I-1-A DU	Duplicate	99	91	95
LCS 380-227748/23-A	Lab Control Sample	97	93	96
MB 380-227748/21-A	Method Blank	99	82	92
MRL 380-227748/22-A	Lab Control Sample	100	91	94

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)
380-213683-1	AIEA GULCH WELLS PUMP 1 (331	71	87	55	84	31	80

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)
380-213683-1	AIEA GULCH WELLS PUMP 1 (331	84	74	47	74	30	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: 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 570-740088/2-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**

		Percent Surrogate Recovery (Acceptance Limits)
		BFB1
Lab Sample ID	Client Sample ID	(38-134)
380-213683-1	AIEA GULCH WELLS PUMP 1 (331	97

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)
380-213683-2	TB: AIEA GULCH WELLS PUMP 1 (	97
570-279849-A-4 MSD	Matrix Spike Duplicate	91
570-279849-C-4 MS	Matrix Spike	99
LCS 570-742887/3	Lab Control Sample	93
LCSD 570-742887/4	Lab Control Sample Dup	100
MB 570-742887/6	Method Blank	99
MRL 570-742887/5	Lab Control Sample	97

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)
		OTCSN1
Lab Sample ID	Client Sample ID	(60-130)
380-213683-1	AIEA GULCH WELLS PUMP 1 (331	116

Surrogate Legend

OTCSN = n-Octacosane (Surr)

Surrogate Summary

Client: City & County of Honolulu
Job ID: 380-213683-1
Project/Site: RED-HILL
SDG: Weekly: Aiea Gulch Wells Pump 1

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

Matrix: Water
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)							
		OTCSN1							
Lab Sample ID	Client Sample ID	(60-130)							
380-213690-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)

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

Lab Sample ID: MB 380-227748/21-A
Matrix: Water
Analysis Batch: 227780

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 227748

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.099		0.099		ug/L		05/18/26 08:22	05/18/26 13:54	1
2,4'-DDD	<0.099		0.099		ug/L		05/18/26 08:22	05/18/26 13:54	1
2,4'-DDE	<0.099		0.099		ug/L		05/18/26 08:22	05/18/26 13:54	1
2,4'-DDT	<0.099		0.099		ug/L		05/18/26 08:22	05/18/26 13:54	1
2,4-Dinitrotoluene	<0.099		0.099		ug/L		05/18/26 08:22	05/18/26 13:54	1
2,6-Dinitrotoluene	<0.099		0.099		ug/L		05/18/26 08:22	05/18/26 13:54	1
2-Methylnaphthalene	<0.099		0.099		ug/L		05/18/26 08:22	05/18/26 13:54	1
4,4'-DDD	<0.099		0.099		ug/L		05/18/26 08:22	05/18/26 13:54	1
4,4'-DDE	<0.099		0.099		ug/L		05/18/26 08:22	05/18/26 13:54	1
4,4'-DDT	<0.099		0.099		ug/L		05/18/26 08:22	05/18/26 13:54	1
Acenaphthene	<0.099		0.099		ug/L		05/18/26 08:22	05/18/26 13:54	1
Acenaphthylene	<0.099		0.099		ug/L		05/18/26 08:22	05/18/26 13:54	1
Acetochlor	<0.099		0.099		ug/L		05/18/26 08:22	05/18/26 13:54	1
Alachlor	<0.050		0.050		ug/L		05/18/26 08:22	05/18/26 13:54	1
alpha-BHC	<0.099		0.099		ug/L		05/18/26 08:22	05/18/26 13:54	1
alpha-Chlordane	<0.050		0.050		ug/L		05/18/26 08:22	05/18/26 13:54	1
Anthracene	<0.020		0.020		ug/L		05/18/26 08:22	05/18/26 13:54	1
Atrazine	<0.050		0.050		ug/L		05/18/26 08:22	05/18/26 13:54	1
Benz(a)anthracene	<0.050		0.050		ug/L		05/18/26 08:22	05/18/26 13:54	1
Benzo[a]pyrene	<0.020		0.020		ug/L		05/18/26 08:22	05/18/26 13:54	1
Benzo[b]fluoranthene	<0.020		0.020		ug/L		05/18/26 08:22	05/18/26 13:54	1
Benzo[g,h,i]perylene	<0.050		0.050		ug/L		05/18/26 08:22	05/18/26 13:54	1
Benzo[k]fluoranthene	<0.020		0.020		ug/L		05/18/26 08:22	05/18/26 13:54	1
beta-BHC	<0.099		0.099		ug/L		05/18/26 08:22	05/18/26 13:54	1
Bis(2-ethylhexyl) phthalate	<0.60		0.60		ug/L		05/18/26 08:22	05/18/26 13:54	1
Bromacil	<0.099		0.099		ug/L		05/18/26 08:22	05/18/26 13:54	1
Butachlor	<0.050		0.050		ug/L		05/18/26 08:22	05/18/26 13:54	1
Butylbenzylphthalate	<0.50		0.50		ug/L		05/18/26 08:22	05/18/26 13:54	1
Chlorobenzilate	<0.099		0.099		ug/L		05/18/26 08:22	05/18/26 13:54	1
Chloroneb	<0.099		0.099		ug/L		05/18/26 08:22	05/18/26 13:54	1
Chlorothalonil (Draconil, Bravo)	<0.099		0.099		ug/L		05/18/26 08:22	05/18/26 13:54	1
Chlorpyrifos	<0.050		0.050		ug/L		05/18/26 08:22	05/18/26 13:54	1
Chrysene	<0.020		0.020		ug/L		05/18/26 08:22	05/18/26 13:54	1
delta-BHC	<0.099		0.099		ug/L		05/18/26 08:22	05/18/26 13:54	1
Di(2-ethylhexyl)adipate	<0.60		0.60		ug/L		05/18/26 08:22	05/18/26 13:54	1
Dibenz(a,h)anthracene	<0.050		0.050		ug/L		05/18/26 08:22	05/18/26 13:54	1
Diclorvos (DDVP)	<0.050		0.050		ug/L		05/18/26 08:22	05/18/26 13:54	1
Dieldrin	<0.0099		0.0099		ug/L		05/18/26 08:22	05/18/26 13:54	1
Diethylphthalate	<0.50		0.50		ug/L		05/18/26 08:22	05/18/26 13:54	1
Dimethylphthalate	<0.50		0.50		ug/L		05/18/26 08:22	05/18/26 13:54	1
Di-n-butyl phthalate	<0.99		0.99		ug/L		05/18/26 08:22	05/18/26 13:54	1
Di-n-octyl phthalate	<0.099		0.099		ug/L		05/18/26 08:22	05/18/26 13:54	1
Endosulfan I (Alpha)	<0.099		0.099		ug/L		05/18/26 08:22	05/18/26 13:54	1
Endosulfan II (Beta)	<0.099		0.099		ug/L		05/18/26 08:22	05/18/26 13:54	1
Endosulfan sulfate	<0.099		0.099		ug/L		05/18/26 08:22	05/18/26 13:54	1
Endrin	<0.0099		0.0099		ug/L		05/18/26 08:22	05/18/26 13:54	1
Endrin aldehyde	<0.099		0.099		ug/L		05/18/26 08:22	05/18/26 13:54	1
EPTC	<0.099		0.099		ug/L		05/18/26 08:22	05/18/26 13:54	1

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

Lab Sample ID: MB 380-227748/21-A
Matrix: Water
Analysis Batch: 227780

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 227748

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	<0.099		0.099		ug/L		05/18/26 08:22	05/18/26 13:54	1
Fluorene	<0.050		0.050		ug/L		05/18/26 08:22	05/18/26 13:54	1
gamma-Chlordane	<0.050		0.050		ug/L		05/18/26 08:22	05/18/26 13:54	1
Heptachlor	<0.0099		0.0099		ug/L		05/18/26 08:22	05/18/26 13:54	1
Heptachlor epoxide (isomer B)	<0.0099		0.0099		ug/L		05/18/26 08:22	05/18/26 13:54	1
Hexachlorobenzene	<0.050		0.050		ug/L		05/18/26 08:22	05/18/26 13:54	1
Hexachlorocyclopentadiene	<0.050		0.050		ug/L		05/18/26 08:22	05/18/26 13:54	1
Indeno[1,2,3-cd]pyrene	<0.050		0.050		ug/L		05/18/26 08:22	05/18/26 13:54	1
Isophorone	<0.099		0.099		ug/L		05/18/26 08:22	05/18/26 13:54	1
Lindane	<0.0099		0.0099		ug/L		05/18/26 08:22	05/18/26 13:54	1
Malathion	<0.099		0.099		ug/L		05/18/26 08:22	05/18/26 13:54	1
Methoxychlor	<0.050		0.050		ug/L		05/18/26 08:22	05/18/26 13:54	1
Metolachlor	<0.050		0.050		ug/L		05/18/26 08:22	05/18/26 13:54	1
Molinate	<0.099		0.099		ug/L		05/18/26 08:22	05/18/26 13:54	1
Naphthalene	<0.099		0.099		ug/L		05/18/26 08:22	05/18/26 13:54	1
Parathion	<0.099		0.099		ug/L		05/18/26 08:22	05/18/26 13:54	1
Pendimethalin (Penoxaline)	<0.099		0.099		ug/L		05/18/26 08:22	05/18/26 13:54	1
Phenanthrene	<0.040		0.040		ug/L		05/18/26 08:22	05/18/26 13:54	1
Propachlor	<0.050		0.050		ug/L		05/18/26 08:22	05/18/26 13:54	1
Pyrene	<0.050		0.050		ug/L		05/18/26 08:22	05/18/26 13:54	1
Simazine	<0.050		0.050		ug/L		05/18/26 08:22	05/18/26 13:54	1
Terbacil	<0.099		0.099		ug/L		05/18/26 08:22	05/18/26 13:54	1
Terbuthylazine	<0.099		0.099		ug/L		05/18/26 08:22	05/18/26 13:54	1
Thiobencarb	<0.099		0.099		ug/L		05/18/26 08:22	05/18/26 13:54	1
Total Permethrin (mixed isomers)	<0.20		0.20		ug/L		05/18/26 08:22	05/18/26 13:54	1
trans-Nonachlor	<0.050		0.050		ug/L		05/18/26 08:22	05/18/26 13:54	1
Trifluralin	<0.099		0.099		ug/L		05/18/26 08:22	05/18/26 13:54	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Undecane	*6.36*	*T J N*	*ug/L*		*3.20*	*1120-21-4*	*05/18/26 08:22*	*05/18/26 13:54*	*1*
9-Octadecenamide, (Z)-	*1.73*	*T J N*	*ug/L*		*7.99*	*301-02-0*	*05/18/26 08:22*	*05/18/26 13:54*	*1*
13-Docosenamide, (Z)-	*0.513*	*T J N*	*ug/L*		*10.54*	*112-84-5*	*05/18/26 08:22*	*05/18/26 13:54*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*99*		*70 - 130*	*05/18/26 08:22*	*05/18/26 13:54*	*1*
Perylene-d12	*82*		*70 - 130*	*05/18/26 08:22*	*05/18/26 13:54*	*1*
Triphenylphosphate	*92*		*70 - 130*	*05/18/26 08:22*	*05/18/26 13:54*	*1*

Lab Sample ID: LCS 380-227748/23-A
Matrix: Water
Analysis Batch: 227780

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 227748

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1-Methylnaphthalene			1.98	1.97		ug/L		99	70 - 130		
2,4'-DDD			1.98	1.78		ug/L		90	70 - 130		
2,4'-DDE			1.98	1.88		ug/L		95	70 - 130		
2,4'-DDT			1.98	1.80		ug/L		91	70 - 130		
2,4-Dinitrotoluene			1.98	1.98		ug/L		100	70 - 130		

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

Lab Sample ID: LCS 380-227748/23-A
Matrix: Water
Analysis Batch: 227780

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 227748

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,6-Dinitrotoluene	1.98	1.95		ug/L		98	70 - 130
2-Methylnaphthalene	1.98	1.96		ug/L		99	70 - 130
4,4'-DDD	1.98	1.90		ug/L		96	70 - 130
4,4'-DDE	1.98	1.95		ug/L		98	70 - 130
4,4'-DDT	1.98	1.97		ug/L		99	70 - 130
Acenaphthene	1.98	2.06		ug/L		104	70 - 130
Acenaphthylene	1.98	1.80		ug/L		91	70 - 130
Acetochlor	1.98	2.08		ug/L		105	70 - 130
Alachlor	1.98	2.09		ug/L		106	70 - 130
alpha-BHC	1.98	2.03		ug/L		102	70 - 130
alpha-Chlordane	1.98	1.86		ug/L		94	70 - 130
Anthracene	1.98	2.08		ug/L		105	70 - 130
Atrazine	1.98	1.91		ug/L		96	70 - 130
Benz(a)anthracene	1.98	2.01		ug/L		101	70 - 130
Benzo[a]pyrene	1.98	1.88		ug/L		95	70 - 130
Benzo[b]fluoranthene	1.98	2.12		ug/L		107	70 - 130
Benzo[g,h,i]perylene	1.98	2.11		ug/L		106	70 - 130
Benzo[k]fluoranthene	1.98	2.12		ug/L		107	70 - 130
beta-BHC	1.98	2.02		ug/L		102	70 - 130
Bis(2-ethylhexyl) phthalate	1.98	2.15		ug/L		108	70 - 130
Bromacil	1.98	1.75		ug/L		88	70 - 130
Butachlor	1.98	2.10		ug/L		106	70 - 130
Butylbenzylphthalate	1.98	2.17		ug/L		109	70 - 130
Chlorobenzilate	1.98	2.06		ug/L		104	70 - 130
Chloroneb	1.98	2.05		ug/L		103	70 - 130
Chlorothalonil (Draconil, Bravo)	1.98	2.04		ug/L		103	70 - 130
Chlorpyrifos	1.98	1.91		ug/L		96	70 - 130
Chrysene	1.98	2.03		ug/L		103	70 - 130
delta-BHC	1.98	2.07		ug/L		104	70 - 130
Di(2-ethylhexyl)adipate	1.98	2.16		ug/L		109	70 - 130
Dibenz(a,h)anthracene	1.98	2.12		ug/L		107	70 - 130
Diclorvos (DDVP)	1.98	1.89		ug/L		95	70 - 130
Dieldrin	1.98	1.98		ug/L		100	70 - 130
Diethylphthalate	1.98	2.11		ug/L		106	70 - 130
Dimethylphthalate	1.98	2.06		ug/L		104	70 - 130
Di-n-butyl phthalate	3.97	4.03		ug/L		102	70 - 130
Di-n-octyl phthalate	1.98	1.99		ug/L		100	70 - 130
Endosulfan I (Alpha)	1.98	1.93		ug/L		97	70 - 130
Endosulfan II (Beta)	1.98	2.01		ug/L		101	70 - 130
Endosulfan sulfate	1.98	1.82		ug/L		92	70 - 130
Endrin	1.98	2.08		ug/L		105	70 - 130
Endrin aldehyde	1.98	1.99		ug/L		101	60 - 130
EPTC	1.98	1.97		ug/L		99	70 - 130
Fluoranthene	1.98	1.96		ug/L		99	70 - 130
Fluorene	1.98	2.09		ug/L		106	70 - 130
gamma-Chlordane	1.98	1.96		ug/L		99	70 - 130
Heptachlor	1.98	1.86		ug/L		94	70 - 130
Heptachlor epoxide (isomer B)	1.98	2.02		ug/L		102	70 - 130
Hexachlorobenzene	1.98	1.90		ug/L		96	70 - 130

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

Lab Sample ID: LCS 380-227748/23-A
Matrix: Water
Analysis Batch: 227780

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 227748

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Hexachlorocyclopentadiene	1.98	1.66		ug/L		83	70 - 130
Indeno[1,2,3-cd]pyrene	1.98	2.12		ug/L		107	70 - 130
Isophorone	1.98	2.04		ug/L		103	70 - 130
Lindane	1.98	2.03		ug/L		103	70 - 130
Malathion	1.98	1.97		ug/L		99	70 - 130
Methoxychlor	1.98	2.30		ug/L		116	70 - 130
Metolachlor	1.98	2.10		ug/L		106	70 - 130
Molinate	1.98	2.00		ug/L		101	70 - 130
Naphthalene	1.98	1.91		ug/L		96	70 - 130
Parathion	1.98	2.07		ug/L		105	70 - 130
Pendimethalin (Penoxaline)	1.98	1.67		ug/L		84	70 - 130
Phenanthrene	1.98	2.11		ug/L		106	70 - 130
Propachlor	1.98	2.04		ug/L		103	70 - 130
Pyrene	1.98	1.99		ug/L		100	70 - 130
Simazine	1.98	1.96		ug/L		99	70 - 130
Terbacil	1.98	1.98		ug/L		100	70 - 130
Terbuthylazine	1.98	1.90		ug/L		96	70 - 130
Thiobencarb	1.98	1.99		ug/L		100	70 - 130
trans-Nonachlor	1.98	1.82		ug/L		91	70 - 130
Trifluralin	1.98	1.68		ug/L		85	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Nitro-m-xylene	*97*		*70 - 130*
Perylene-d12	*93*		*70 - 130*
Triphenylphosphate	*96*		*70 - 130*

Lab Sample ID: MRL 380-227748/22-A
Matrix: Water
Analysis Batch: 227780

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 227748

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	0.0981	0.106		ug/L		108	50 - 150
2,4'-DDD	0.0981	0.0944	J	ug/L		96	50 - 150
2,4'-DDE	0.0981	0.100		ug/L		102	50 - 150
2,4'-DDT	0.0981	0.111		ug/L		114	50 - 150
2,4-Dinitrotoluene	0.0981	0.108		ug/L		110	50 - 150
2,6-Dinitrotoluene	0.0981	0.118		ug/L		120	50 - 150
2-Methylnaphthalene	0.0981	0.0998		ug/L		102	50 - 150
4,4'-DDD	0.0981	0.105		ug/L		107	50 - 150
4,4'-DDE	0.0981	0.107		ug/L		109	50 - 150
4,4'-DDT	0.0981	0.116		ug/L		118	50 - 150
Acenaphthene	0.0981	0.101		ug/L		102	50 - 150
Acenaphthylene	0.0981	0.0801	J	ug/L		82	50 - 150
Acetochlor	0.0981	0.122		ug/L		124	50 - 150
Alachlor	0.0491	0.0574		ug/L		117	50 - 150
alpha-BHC	0.0981	0.107		ug/L		109	50 - 150
alpha-Chlordane	0.0245	<0.028		ug/L		111	50 - 150
Anthracene	0.0196	0.0237		ug/L		121	50 - 150

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

Lab Sample ID: MRL 380-227748/22-A
Matrix: Water
Analysis Batch: 227780

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 227748

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Atrazine	0.0491	0.0511		ug/L		104	50 - 150
Benz(a)anthracene	0.0491	0.0514		ug/L		105	50 - 150
Benzo[a]pyrene	0.0196	0.0226		ug/L		115	50 - 150
Benzo[b]fluoranthene	0.0196	0.0227		ug/L		116	50 - 150
Benzo[g,h,i]perylene	0.0491	0.0458	J	ug/L		93	50 - 150
Benzo[k]fluoranthene	0.0196	0.0208		ug/L		106	50 - 150
beta-BHC	0.0981	0.111		ug/L		113	50 - 150
Bis(2-ethylhexyl) phthalate	0.589	0.662		ug/L		112	50 - 150
Bromacil	0.0981	0.0993		ug/L		101	50 - 150
Butachlor	0.0491	0.0604		ug/L		123	50 - 150
Butylbenzylphthalate	0.491	0.563		ug/L		115	50 - 150
Chlorobenzilate	0.0981	0.111		ug/L		113	50 - 150
Chloroneb	0.0981	0.101		ug/L		103	50 - 150
Chlorothalonil (Draconil, Bravo)	0.0981	0.0899	J	ug/L		92	50 - 150
Chlorpyrifos	0.0491	0.0591		ug/L		120	50 - 150
Chrysene	0.0196	0.0281		ug/L		143	50 - 150
delta-BHC	0.0981	0.109		ug/L		111	50 - 150
Di(2-ethylhexyl)adipate	0.589	0.688		ug/L		117	50 - 150
Dibenz(a,h)anthracene	0.0491	0.0497		ug/L		101	50 - 150
Diclorvos (DDVP)	0.0491	0.0522		ug/L		106	50 - 150
Dieldrin	0.00981	0.00993		ug/L		101	50 - 150
Diethylphthalate	0.491	0.520		ug/L		106	50 - 150
Dimethylphthalate	0.491	0.511		ug/L		104	50 - 150
Di-n-butyl phthalate	0.491	0.495	J	ug/L		101	49 - 243
Di-n-octyl phthalate	0.0981	0.103		ug/L		105	50 - 150
Endosulfan I (Alpha)	0.0981	0.109		ug/L		111	50 - 150
Endosulfan II (Beta)	0.0981	0.120		ug/L		122	50 - 150
Endosulfan sulfate	0.0981	0.0975	J	ug/L		99	50 - 150
Endrin	0.00981	0.0120		ug/L		122	50 - 150
Endrin aldehyde	0.0981	0.112		ug/L		115	50 - 150
EPTC	0.0981	0.102		ug/L		104	50 - 150
Fluoranthene	0.0981	0.110		ug/L		112	50 - 150
Fluorene	0.0491	0.0563		ug/L		115	50 - 150
gamma-Chlordane	0.0245	0.0268	J	ug/L		109	50 - 150
Heptachlor	0.00981	0.0145		ug/L		148	50 - 150
Heptachlor epoxide (isomer B)	0.00981	0.00966	J	ug/L		98	50 - 150
Hexachlorobenzene	0.0491	0.0465	J	ug/L		95	50 - 150
Hexachlorocyclopentadiene	0.0491	0.0439	J	ug/L		90	50 - 150
Indeno[1,2,3-cd]pyrene	0.0491	0.0493		ug/L		100	50 - 150
Isophorone	0.0981	0.125		ug/L		127	50 - 150
Lindane	0.00981	0.0132		ug/L		134	50 - 150
Malathion	0.0981	0.107		ug/L		109	50 - 150
Methoxychlor	0.0491	0.0627		ug/L		128	50 - 150
Metolachlor	0.0491	0.0567		ug/L		116	50 - 150
Molinate	0.0981	0.113		ug/L		115	50 - 150
Naphthalene	0.0981	0.0997		ug/L		102	50 - 150
Parathion	0.0981	0.0927	J	ug/L		94	50 - 150
Pendimethalin (Penoxaline)	0.0981	0.0960	J	ug/L		98	50 - 150
Phenanthrene	0.0393	0.0473		ug/L		120	50 - 150

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

Lab Sample ID: MRL 380-227748/22-A
Matrix: Water
Analysis Batch: 227780

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 227748

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Propachlor			0.0491	0.0560		ug/L		114	50 - 150		
Pyrene			0.0491	0.0573		ug/L		117	50 - 150		
Simazine			0.0491	0.0537		ug/L		109	50 - 150		
Terbacil			0.0981	0.0855	J	ug/L		87	50 - 150		
Terbuthylazine			0.0981	0.109		ug/L		111	50 - 150		
Thiobencarb			0.0981	0.107		ug/L		110	50 - 150		
trans-Nonachlor			0.0245	<0.026		ug/L		103	50 - 150		
Trifluralin			0.0981	0.0979	J	ug/L		100	50 - 150		

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
2-Nitro-m-xylene	*100*		*70 - 130*
Perylene-d12	*91*		*70 - 130*
Triphenylphosphate	*94*		*70 - 130*

Lab Sample ID: 380-213671-I-1-A MS
Matrix: Water
Analysis Batch: 227780

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 227748

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
1-Methylnaphthalene	<0.097		1.96	1.99		ug/L		101	70 - 130		
2,4'-DDD	<0.097		1.96	1.77		ug/L		91	70 - 130		
2,4'-DDE	<0.097		1.96	1.86		ug/L		95	70 - 130		
2,4'-DDT	<0.097		1.96	1.76		ug/L		90	70 - 130		
2,4-Dinitrotoluene	<0.097		1.96	2.02		ug/L		103	70 - 130		
2,6-Dinitrotoluene	<0.097		1.96	1.97		ug/L		101	70 - 130		
2-Methylnaphthalene	<0.097		1.96	1.99		ug/L		101	70 - 130		
4,4'-DDD	<0.097		1.96	1.87		ug/L		96	70 - 130		
4,4'-DDE	<0.097		1.96	1.85		ug/L		95	70 - 130		
4,4'-DDT	<0.097		1.96	1.88		ug/L		96	70 - 130		
Acenaphthene	<0.097		1.96	2.10		ug/L		108	70 - 130		
Acenaphthylene	<0.097		1.96	1.87		ug/L		95	70 - 130		
Acetochlor	<0.097		1.96	2.07		ug/L		106	70 - 130		
Alachlor	<0.049		1.96	2.12		ug/L		109	70 - 130		
alpha-BHC	<0.097		1.96	2.02		ug/L		103	70 - 130		
alpha-Chlordane	<0.049		1.96	1.90		ug/L		95	70 - 130		
Anthracene	<0.019		1.96	2.11		ug/L		108	70 - 130		
Atrazine	<0.049		1.96	1.91		ug/L		98	70 - 130		
Benz(a)anthracene	<0.049		1.96	2.02		ug/L		103	70 - 130		
Benzo[a]pyrene	<0.019		1.96	1.92		ug/L		98	70 - 130		
Benzo[b]fluoranthene	<0.019		1.96	2.14		ug/L		109	70 - 130		
Benzo[g,h,i]perylene	<0.049		1.96	2.16		ug/L		111	70 - 130		
Benzo[k]fluoranthene	<0.019		1.96	2.17		ug/L		111	70 - 130		
beta-BHC	<0.097		1.96	2.07		ug/L		106	70 - 130		
Bis(2-ethylhexyl) phthalate	<0.58		1.96	1.78		ug/L		91	70 - 130		
Bromacil	<0.097		1.96	1.78		ug/L		89	70 - 130		
Butachlor	<0.049		1.96	2.12		ug/L		108	70 - 130		
Butylbenzylphthalate	<0.49		1.96	2.18		ug/L		112	70 - 130		
Chlorobenzilate	<0.097		1.96	2.08		ug/L		107	70 - 130		

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

Lab Sample ID: 380-213671-I-1-A MS
Matrix: Water
Analysis Batch: 227780

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 227748

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroneb	<0.097		1.96	2.05		ug/L		105	70 - 130
Chlorothalonil (Draconil, Bravo)	<0.097		1.96	1.96		ug/L		100	70 - 130
Chlorpyrifos	<0.049		1.96	1.85		ug/L		94	70 - 130
Chrysene	<0.019		1.96	2.07		ug/L		106	70 - 130
delta-BHC	<0.097		1.96	2.06		ug/L		105	70 - 130
Di(2-ethylhexyl)adipate	<0.58		1.96	1.90		ug/L		97	70 - 130
Dibenz(a,h)anthracene	<0.049		1.96	2.11		ug/L		108	70 - 130
Diclorvos (DDVP)	<0.049		1.96	1.90		ug/L		97	70 - 130
Dieldrin	0.071		1.96	2.12		ug/L		105	70 - 130
Diethylphthalate	<0.49		1.96	2.11		ug/L		108	70 - 130
Dimethylphthalate	<0.49		1.96	2.07		ug/L		106	70 - 130
Di-n-butyl phthalate	<0.97		3.91	4.05		ug/L		104	70 - 130
Di-n-octyl phthalate	<0.097		1.96	1.56		ug/L		80	70 - 130
Endosulfan I (Alpha)	<0.097		1.96	2.00		ug/L		102	70 - 130
Endosulfan II (Beta)	<0.097		1.96	2.05		ug/L		105	70 - 130
Endosulfan sulfate	<0.097		1.96	1.80		ug/L		92	70 - 130
Endrin	<0.0097		1.96	2.12		ug/L		109	70 - 130
Endrin aldehyde	<0.097		1.96	1.96		ug/L		100	60 - 130
EPTC	<0.097		1.96	1.99		ug/L		102	70 - 130
Fluoranthene	<0.097		1.96	1.97		ug/L		101	70 - 130
Fluorene	<0.049		1.96	2.09		ug/L		107	70 - 130
gamma-Chlordane	<0.049		1.96	1.99		ug/L		101	70 - 130
Heptachlor	<0.0097		1.96	1.88		ug/L		96	70 - 130
Heptachlor epoxide (isomer B)	0.013		1.96	2.06		ug/L		105	70 - 130
Hexachlorobenzene	<0.049		1.96	1.93		ug/L		99	70 - 130
Hexachlorocyclopentadiene	<0.049		1.96	1.68		ug/L		86	70 - 130
Indeno[1,2,3-cd]pyrene	<0.049		1.96	2.19		ug/L		112	70 - 130
Isophorone	<0.097		1.96	2.06		ug/L		106	70 - 130
Lindane	<0.0097		1.96	2.04		ug/L		104	70 - 130
Malathion	<0.097		1.96	1.98		ug/L		102	70 - 130
Methoxychlor	<0.049		1.96	2.34		ug/L		120	70 - 130
Metolachlor	<0.049		1.96	2.11		ug/L		108	70 - 130
Molinate	<0.097		1.96	2.01		ug/L		103	70 - 130
Naphthalene	<0.097		1.96	1.94		ug/L		99	70 - 130
Parathion	<0.097		1.96	2.09		ug/L		107	70 - 130
Pendimethalin (Penoxaline)	<0.097		1.96	1.66		ug/L		85	70 - 130
Phenanthrene	<0.039		1.96	2.12		ug/L		109	70 - 130
Propachlor	<0.049		1.96	2.06		ug/L		105	70 - 130
Pyrene	<0.049		1.96	2.00		ug/L		102	70 - 130
Simazine	<0.049		1.96	1.96		ug/L		100	70 - 130
Terbacil	<0.097		1.96	2.04		ug/L		104	70 - 130
Terbuthylazine	<0.097		1.96	1.93		ug/L		99	70 - 130
Thiobencarb	<0.097		1.96	1.99		ug/L		102	70 - 130
trans-Nonachlor	<0.049		1.96	1.84		ug/L		93	70 - 130
Trifluralin	<0.097		1.96	1.73		ug/L		89	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Nitro-m-xylene	*97*		*70 - 130*

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

Lab Sample ID: 380-213671-I-1-A MS
Matrix: Water
Analysis Batch: 227780

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 227748

Surrogate	MS %Recovery	MS Qualifier	Limits
Perylene-d12	94		70 - 130
Triphenylphosphate	95		70 - 130

Lab Sample ID: 380-213690-I-1-A DU
Matrix: Water
Analysis Batch: 227780

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 227748

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1-Methylnaphthalene	<0.098			<0.097		ug/L				NC	20
2,4'-DDD	<0.098			<0.097		ug/L				NC	20
2,4'-DDE	<0.098			<0.097		ug/L				NC	20
2,4'-DDT	<0.098			<0.097		ug/L				NC	20
2,4-Dinitrotoluene	<0.098			<0.097		ug/L				NC	20
2,6-Dinitrotoluene	<0.098			<0.097		ug/L				NC	20
2-Methylnaphthalene	<0.098			<0.097		ug/L				NC	20
4,4'-DDD	<0.098			<0.097		ug/L				NC	20
4,4'-DDE	<0.098			<0.097		ug/L				NC	20
4,4'-DDT	<0.098			<0.097		ug/L				NC	20
Acenaphthene	<0.098			<0.097		ug/L				NC	20
Acenaphthylene	<0.098			<0.097		ug/L				NC	20
Acetochlor	<0.098			<0.097		ug/L				NC	20
Alachlor	<0.049			<0.049		ug/L				NC	20
alpha-BHC	<0.098			<0.097		ug/L				NC	20
alpha-Chlordane	<0.049			<0.049		ug/L				NC	20
Anthracene	<0.020			<0.019		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			<0.019		ug/L				NC	20
Benzo[b]fluoranthene	<0.020			<0.019		ug/L				NC	20
Benzo[g,h,i]perylene	<0.049			<0.049		ug/L				NC	20
Benzo[k]fluoranthene	<0.020			<0.019		ug/L				NC	20
beta-BHC	<0.098			<0.097		ug/L				NC	20
Bis(2-ethylhexyl) phthalate	<0.59			<0.58		ug/L				NC	20
Bromacil	<0.098			<0.097		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			<0.097		ug/L				NC	20
Chloroneb	<0.098			<0.097		ug/L				NC	20
Chlorothalonil (Draconil, Bravo)	<0.098			<0.097		ug/L				NC	20
Chlorpyrifos	<0.049			<0.049		ug/L				NC	20
Chrysene	<0.020			<0.019		ug/L				NC	20
delta-BHC	<0.098			<0.097		ug/L				NC	20
Di(2-ethylhexyl)adipate	<0.59			<0.58		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	0.029			0.0285		ug/L				3	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: 380-213690-I-1-A DU
Matrix: Water
Analysis Batch: 227780

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 227748

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Di-n-butyl phthalate	<0.98			<0.97		ug/L				NC	20
Di-n-octyl phthalate	<0.098			<0.097		ug/L				NC	20
Endosulfan I (Alpha)	<0.098			<0.097		ug/L				NC	20
Endosulfan II (Beta)	<0.098			<0.097		ug/L				NC	20
Endosulfan sulfate	<0.098			<0.097		ug/L				NC	20
Endrin	<0.0098			<0.0097		ug/L				NC	20
Endrin aldehyde	<0.098			<0.097		ug/L				NC	20
EPTC	<0.098			<0.097		ug/L				NC	20
Fluoranthene	<0.098			<0.097		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			<0.0097		ug/L				NC	20
Heptachlor epoxide (isomer B)	0.014			0.0127		ug/L				10	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			<0.097		ug/L				NC	20
Lindane	<0.0098			<0.0097		ug/L				NC	20
Malathion	<0.098			<0.097		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			<0.097		ug/L				NC	20
Naphthalene	<0.098			<0.097		ug/L				NC	20
Parathion	<0.098			<0.097		ug/L				NC	20
Pendimethalin (Penoxaline)	<0.098			<0.097		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			<0.097		ug/L				NC	20
Terbuthylazine	<0.098			<0.097		ug/L				NC	20
Thiobencarb	<0.098			<0.097		ug/L				NC	20
Total Permethrin (mixed isomers)	<0.20			<0.19		ug/L				NC	20
trans-Nonachlor	<0.049			<0.049		ug/L				NC	20
Trifluralin	<0.098			<0.097		ug/L				NC	20

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
2-Nitro-m-xylene	*99*		*70 - 130*
Perylene-d12	*91*		*70 - 130*
Triphenylphosphate	*95*		*70 - 130*

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

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

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 Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.20		0.20		ug/L		05/17/26 08:58	05/19/26 07:05	1
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 %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
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
1-Methylnaphthalene	20.0	13.2		ug/L		66	47 - 120
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

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Pyrene			20.0	16.5		ug/L		82	70 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
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 Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	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 %Recovery*	*LCSD Qualifier*	*Limits*
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 570-742887/6
Matrix: Water
Analysis Batch: 742887

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			05/22/26 12:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*38 - 134*		*05/22/26 12:31*	*1*

Lab Sample ID: LCS 570-742887/3
Matrix: Water
Analysis Batch: 742887

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	408		ug/L		102	78 - 120		

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

Lab Sample ID: LCSD 570-742887/4
Matrix: Water
Analysis Batch: 742887

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	426		ug/L		107	78 - 120	4	10

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

Lab Sample ID: MRL 570-742887/5
Matrix: Water
Analysis Batch: 742887

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	11.8		ug/L		118	50 - 150		

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

Lab Sample ID: 570-279849-A-4 MSD
Matrix: Water
Analysis Batch: 742887

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	402		ug/L		100	68 - 122	1	18

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*91*		*38 - 134*

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

Lab Sample ID: 570-279849-C-4 MS
Matrix: Water
Analysis Batch: 742887

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	397		ug/L		99	68 - 122

Surrogate	*MS %Recovery*	*MS 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	*MB %Recovery*	*MB 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	*LCS %Recovery*	*LCS 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	*LCSD %Recovery*	*LCSD 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

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

Surrogate	MRL %Recovery	MRL Qualifier	Limits
n-Octacosane (Surr)	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

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

Surrogate	MS %Recovery	MS Qualifier	Limits
n-Octacosane (Surr)	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

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

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

GC/MS Semi VOA

Prep Batch: 227748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-213683-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	525.2	
MB 380-227748/21-A	Method Blank	Total/NA	Water	525.2	
LCS 380-227748/23-A	Lab Control Sample	Total/NA	Water	525.2	
MRL 380-227748/22-A	Lab Control Sample	Total/NA	Water	525.2	
380-213671-I-1-A MS	Matrix Spike	Total/NA	Water	525.2	
380-213690-I-1-A DU	Duplicate	Total/NA	Water	525.2	

Analysis Batch: 227780

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-213683-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	525.2	227748
MB 380-227748/21-A	Method Blank	Total/NA	Water	525.2	227748
LCS 380-227748/23-A	Lab Control Sample	Total/NA	Water	525.2	227748
MRL 380-227748/22-A	Lab Control Sample	Total/NA	Water	525.2	227748
380-213671-I-1-A MS	Matrix Spike	Total/NA	Water	525.2	227748
380-213690-I-1-A DU	Duplicate	Total/NA	Water	525.2	227748

Prep Batch: 740088

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-213683-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	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
380-213683-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	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
380-213683-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	625.1	740088

GC VOA

Analysis Batch: 742887

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-213683-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	8015B GRO LL	
380-213683-2	TB: AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Water	8015B GRO LL	
MB 570-742887/6	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-742887/3	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-742887/4	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-742887/5	Lab Control Sample	Total/NA	Water	8015B GRO LL	
570-279849-A-4 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B GRO LL	
570-279849-C-4 MS	Matrix Spike	Total/NA	Water	8015B GRO LL	

GC Semi VOA

Prep Batch: 739333

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-213683-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	3510C	

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
380-213683-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	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: 380-213683-1
SDG: Weekly: Aiea Gulch Wells Pump 1

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

Lab Sample ID: 380-213683-1

Date Collected: 05/11/26 10:35
Date Received: 05/13/26 09:28

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			227748	OTM3	EA POM	05/18/26 08:22
Total/NA	Analysis	525.2		1	227780	Q8LA	EA POM	05/18/26 16:16
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 11:59
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 14:23
Total/NA	Analysis	8015B GRO LL		1	742887	A9VE	EET CAL 4	05/22/26 14:21
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 03:36

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

Lab Sample ID: 380-213683-2

Date Collected: 05/11/26 10:35
Date Received: 05/13/26 09:28

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	742887	A9VE	EET CAL 4	05/22/26 13:12

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: 380-213683-1
SDG: Weekly: Aiea Gulch Wells Pump 1

Laboratory: Eurofins Pomona

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

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

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: 380-213683-1
SDG: Weekly: Aiea Gulch Wells Pump 1

Laboratory: Eurofins Calscience (Continued)

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

Authority	Program	Identification Number	Expiration Date
California	State	3082	07-31-26
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

Method Summary

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

Job ID: 380-213683-1
SDG: Weekly: Aiea Gulch Wells Pump 1

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

Protocol References:

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

Laboratory References:

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

Sample Summary

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

Job ID: 380-213683-1
SDG: Weekly: Aiea Gulch Wells Pump 1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	PWSID Number
380-213683-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Drinking Water	05/11/26 10:35	05/13/26 09:28	HI0000331
380-213683-2	TB: AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Water	05/11/26 10:35	05/13/26 09:28	

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

Chain of Custody Record

eurofins | Env

380-213683 COC

Client Information	Sampler: bailey	Lab PM: Lopez, Maria	Carrier Tracking No(s):	COC No:
Client Contact: Mr Kirk Iwamoto	Phone: +1 808 748 5840	E-Mail: Maria.Lopez@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: City & County of Honolulu	PWSID:			Job #:

Address: 630 South Beretania Street Chemistry Lab	Due Date Requested:	
City: Honolulu	TAT Requested (days):	
State, Zip: HI, 96843	Compliance Project: Δ Yes Δ No	
Phone: 808-748-5840 (Tel)	PO #: C20525101 exp 05312023	
Email: kiwamoto@hbws.org	WO #:	
Project Name: RED-HILL/HBWS Sites Event Desc: RUSH Weekly Red Hill	Project #: 38001111	
Site: Hawaii	SSOW#:	

Analysis Requested

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

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	625.1, 625.1_SIM	8015B_GRO_LL - (MOD) GRO	8015B_DRO_LL_C8 - HNL Ranges C10-C24/C24-C36/C8-C18	625.2_PREC - (MOD) 625plus Plus TICs	537.1_DW_PREC - 537.1 Full List	533 - All Analytes	Total Number of containers	Special Instructions/Note:
			Preservation Code:				R	RA	Q	QA	Y	I		
Aiea Gulch Wells Pump 1 (331-201-TP071)	11-May-2026	1035	G	Water			2	3	2	2				
Aiea Gulch Wells Pump 1 (331-201-TP071) (Matrix Spike)				Water										
Aiea Gulch Wells Pump 1 (331-201-TP071)(Matrix Spike Duplicate)				Water										
TB: Aiea Gulch Wells Pump 1 (331-201-TP071)	11-May-2026	1035		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: FedEx 871719026046
[redacted]	Date/Time: 12 May 2026 1400	Company: HBWS	Received by: [redacted] Date/Time: 5/13/26 925 Company: BEAP
	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: (631A) 2.6 + 0.0 - 2.6 961 - 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
213683

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Lopez, Maria	Carrier Tracking No(s): N/A	COC No: 380-334302.1
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 #: 380-213683-1
Address: 2841 Dow Avenue, Suite 100,	Due Date Requested: 5/27/2026			Preservation Codes: -
City: Tustin	TAT Requested (days): N/A			
State, Zip: CA, 92780				
Phone: 714-895-5494(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: RED-HILL	Project #: 38001111			
Site: Honolulu BWS Sites	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015B_DRO_LL_CS/3510C_LLHNL Ranges: C10-C24/C24-C36/C8-C18	8015B_GRO_LL/5030C(MOD) GRO	625.1_SIM/625_Prep(MOD) Extended PAH List	625.1/625_Prep(MOD) Tentatively Identified Compounds (Hold)	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
AIEA GULCH WELLS PUMP 1 (331-201-TP071) (380-213683-1)	5/11/26	10:35 Hawaiian	G	Water			X	X	X	X	7	MRLs are needed. Confirm any hits >RL.
TB: AIEA GULCH WELLS PUMP 1 (331-201-TP071) (380-213683	5/11/26	10:35 Hawaiian	G	Water				X			2	MRLs are needed. Confirm any hits >RL.

380-213683 Chain of Custody

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

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

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature] 4401	5/14/26 10:18	[illegible]	[signature]	5.14 10:18	DCS
2	[signature]	5.14 11:38	DCS	[signature]	5/14/26 11:38	[illegible]
3	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: 1.6 | 1.9 IR-8

Ver: 03/20/2026

5/26/2026

2149R

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-213683-1
SDG Number: Weekly: Aiea Gulch Wells Pump 1

Login Number: 213683
List Number: 1
Creator: Edrosa, Rey

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

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-213683-1
SDG Number: Weekly: Aiea Gulch Wells Pump 1

Login Number: 213683
List Number: 2
Creator: Szymborski, Jessica

List Source: Eurofins Calscience
List Creation: 05/14/26 03:50 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	1.6/1.9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	