eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Erwin Kawata
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 1
RUSH Weekly Red Hill

JOB NUMBER

380-243336-1

Eurofins Pomona
941 Corporate Center Drive
Pomona CA 91768-2642

See page two for job notes and contact information.

my EOL

Job Notes

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

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

Compliance Statement

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

Authorization



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Authorized for release by
Maria Lopez, Project Manager
Maria.Lopez@et.eurofinsus.com
(626)386-1145

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Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD 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.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Job Narrative
380-243336-1

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

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

Receipt
The samples were received on 10/21/2026 10:18 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 3.4°C.

GC/MS Semi VOA
Method 625.1 SIM: The following analyte(s) recovered outside control limits for the LCSD associated with preparation batch 570-819910 and analytical batch 570-821941: 1-Methylnaphthalene. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

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: 380-243336-1
SDG: Weekly: Aiea Gulch Wells Pump 1

Client Sample ID: AIEA GULCH WELLS PUMP 1 (331-201-TP071)
Lab Sample ID: 380-243336-1
PWSID Number: HI0000331

No Detections.

Client Sample ID: TB: AIEA GULCH WELLS PUMP 1 (331-201-TP071)
Lab Sample ID: 380-243336-2

No Detections.

This Detection Summary does not include radiochemical test results.

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

Job ID: 380-243336-1
SDG: Weekly: Aiea Gulch Wells Pump 1

Client Sample ID: AIEA GULCH WELLS PUMP 1 (331-201-TP071)
Date Collected: 10/19/26 11:13
Date Received: 10/21/26 10:18

Lab Sample ID: 380-243336-1
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		10/22/26 14:02	10/23/26 17:15	1
2,4'-DDD	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 17:15	1
2,4'-DDE	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 17:15	1
2,4'-DDT	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 17:15	1
2,4-Dinitrotoluene	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 17:15	1
2,6-Dinitrotoluene	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 17:15	1
2-Methylnaphthalene	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 17:15	1
4,4'-DDD	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 17:15	1
4,4'-DDE	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 17:15	1
4,4'-DDT	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 17:15	1
Acenaphthene	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 17:15	1
Acenaphthylene	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 17:15	1
Acetochlor	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 17:15	1
Alachlor	<0.049		0.049		ug/L		10/22/26 14:02	10/23/26 17:15	1
alpha-BHC	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 17:15	1
alpha-Chlordane	<0.049		0.049		ug/L		10/22/26 14:02	10/23/26 17:15	1
Anthracene	<0.020		0.020		ug/L		10/22/26 14:02	10/23/26 17:15	1
Atrazine	<0.049		0.049		ug/L		10/22/26 14:02	10/23/26 17:15	1
Benz(a)anthracene	<0.049		0.049		ug/L		10/22/26 14:02	10/23/26 17:15	1
Benzo[a]pyrene	<0.020		0.020		ug/L		10/22/26 14:02	10/23/26 17:15	1
Benzo[b]fluoranthene	<0.020		0.020		ug/L		10/22/26 14:02	10/23/26 17:15	1
Benzo[g,h,i]perylene	<0.049		0.049		ug/L		10/22/26 14:02	10/23/26 17:15	1
Benzo[k]fluoranthene	<0.020		0.020		ug/L		10/22/26 14:02	10/23/26 17:15	1
beta-BHC	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 17:15	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59		ug/L		10/22/26 14:02	10/23/26 17:15	1
Bromacil	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 17:15	1
Butachlor	<0.049		0.049		ug/L		10/22/26 14:02	10/23/26 17:15	1
Butylbenzylphthalate	<0.49	*+	0.49		ug/L		10/22/26 14:02	10/23/26 17:15	1
Chlorobenzilate	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 17:15	1
Chloroneb	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 17:15	1
Chlorothalonil (Draconil, Bravo)	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 17:15	1
Chlorpyrifos	<0.049		0.049		ug/L		10/22/26 14:02	10/23/26 17:15	1
Chrysene	<0.020		0.020		ug/L		10/22/26 14:02	10/23/26 17:15	1
delta-BHC	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 17:15	1
Di(2-ethylhexyl)adipate	<0.59		0.59		ug/L		10/22/26 14:02	10/23/26 17:15	1
Dibenz(a,h)anthracene	<0.049		0.049		ug/L		10/22/26 14:02	10/23/26 17:15	1
Diclorvos (DDVP)	<0.049		0.049		ug/L		10/22/26 14:02	10/23/26 17:15	1
Dieldrin	<0.0098		0.0098		ug/L		10/22/26 14:02	10/23/26 17:15	1
Diethylphthalate	<0.49		0.49		ug/L		10/22/26 14:02	10/23/26 17:15	1
Dimethylphthalate	<0.49		0.49		ug/L		10/22/26 14:02	10/23/26 17:15	1
Di-n-butyl phthalate	<0.98		0.98		ug/L		10/22/26 14:02	10/23/26 17:15	1
Di-n-octyl phthalate	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 17:15	1
Endosulfan I (Alpha)	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 17:15	1
Endosulfan II (Beta)	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 17:15	1
Endosulfan sulfate	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 17:15	1
Endrin	<0.0098		0.0098		ug/L		10/22/26 14:02	10/23/26 17:15	1
Endrin aldehyde	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 17:15	1
EPTC	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 17:15	1

Client Sample ID: AIEA GULCH WELLS PUMP 1 (331-201-TP071)
Date Collected: 10/19/26 11:13
Date Received: 10/21/26 10:18

Lab Sample ID: 380-243336-1
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		10/22/26 14:02	10/23/26 17:15	1
Fluorene	<0.049		0.049		ug/L		10/22/26 14:02	10/23/26 17:15	1
gamma-Chlordane	<0.049		0.049		ug/L		10/22/26 14:02	10/23/26 17:15	1
Heptachlor	<0.0098		0.0098		ug/L		10/22/26 14:02	10/23/26 17:15	1
Heptachlor epoxide (isomer B)	<0.0098		0.0098		ug/L		10/22/26 14:02	10/23/26 17:15	1
Hexachlorobenzene	<0.049		0.049		ug/L		10/22/26 14:02	10/23/26 17:15	1
Hexachlorocyclopentadiene	<0.049		0.049		ug/L		10/22/26 14:02	10/23/26 17:15	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049		ug/L		10/22/26 14:02	10/23/26 17:15	1
Isophorone	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 17:15	1
Lindane	<0.0098		0.0098		ug/L		10/22/26 14:02	10/23/26 17:15	1
Malathion	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 17:15	1
Methoxychlor	<0.049		0.049		ug/L		10/22/26 14:02	10/23/26 17:15	1
Metolachlor	<0.049		0.049		ug/L		10/22/26 14:02	10/23/26 17:15	1
Molinate	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 17:15	1
Naphthalene	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 17:15	1
Parathion	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 17:15	1
Pendimethalin (Penoxaline)	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 17:15	1
Phenanthrene	<0.039		0.039		ug/L		10/22/26 14:02	10/23/26 17:15	1
Propachlor	<0.049		0.049		ug/L		10/22/26 14:02	10/23/26 17:15	1
Pyrene	<0.049		0.049		ug/L		10/22/26 14:02	10/23/26 17:15	1
Simazine	<0.049		0.049		ug/L		10/22/26 14:02	10/23/26 17:15	1
Terbacil	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 17:15	1
Terbuthylazine	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 17:15	1
Thiobencarb	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 17:15	1
Total Permethrin (mixed isomers)	<0.20		0.20		ug/L		10/22/26 14:02	10/23/26 17:15	1
trans-Nonachlor	<0.049		0.049		ug/L		10/22/26 14:02	10/23/26 17:15	1
Trifluralin	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 17:15	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*	*10/22/26 14:02*	*10/23/26 17:15*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*95*		*70 - 130*	*10/22/26 14:02*	*10/23/26 17:15*	*1*
Perylene-d12	*91*		*70 - 130*	*10/22/26 14:02*	*10/23/26 17:15*	*1*
Triphenylphosphate	*100*		*70 - 130*	*10/22/26 14:02*	*10/23/26 17:15*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.20	*-	0.20		ug/L		10/23/26 12:33	10/27/26 13:49	1
2-Methylnaphthalene	<0.20		0.20		ug/L		10/23/26 12:33	10/27/26 13:49	1
Acenaphthene	<0.20		0.20		ug/L		10/23/26 12:33	10/27/26 13:49	1
Acenaphthylene	<0.20		0.20		ug/L		10/23/26 12:33	10/27/26 13:49	1
Anthracene	<0.20		0.20		ug/L		10/23/26 12:33	10/27/26 13:49	1
Benzo[a]anthracene	<0.20		0.20		ug/L		10/23/26 12:33	10/27/26 13:49	1
Benzo[a]pyrene	<0.20		0.20		ug/L		10/23/26 12:33	10/27/26 13:49	1
Benzo[b]fluoranthene	<0.20		0.20		ug/L		10/23/26 12:33	10/27/26 13:49	1
Benzo[g,h,i]perylene	<0.20		0.20		ug/L		10/23/26 12:33	10/27/26 13:49	1
Benzo[k]fluoranthene	<0.20		0.20		ug/L		10/23/26 12:33	10/27/26 13:49	1
Chrysene	<0.20		0.20		ug/L		10/23/26 12:33	10/27/26 13:49	1

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

Lab Sample ID: 380-243336-1

Date Collected: 10/19/26 11:13
Date Received: 10/21/26 10:18

Matrix: Drinking Water
PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	<0.20		0.20		ug/L		10/23/26 12:33	10/27/26 13:49	1
Fluoranthene	<0.20		0.20		ug/L		10/23/26 12:33	10/27/26 13:49	1
Fluorene	<0.20		0.20		ug/L		10/23/26 12:33	10/27/26 13:49	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20		ug/L		10/23/26 12:33	10/27/26 13:49	1
Naphthalene	<0.20		0.20		ug/L		10/23/26 12:33	10/27/26 13:49	1
Phenanthrene	<0.20		0.20		ug/L		10/23/26 12:33	10/27/26 13:49	1
Pyrene	<0.20		0.20		ug/L		10/23/26 12:33	10/27/26 13:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*80*		*28 - 127*	*10/23/26 12:33*	*10/27/26 13:49*	*1*
2-Fluorobiphenyl (Surr)	*79*		*31 - 120*	*10/23/26 12:33*	*10/27/26 13:49*	*1*
2-Fluorophenol (Surr)	*50*		*17 - 120*	*10/23/26 12:33*	*10/27/26 13:49*	*1*
Nitrobenzene-d5 (Surr)	*80*		*27 - 120*	*10/23/26 12:33*	*10/27/26 13:49*	*1*
Phenol-d6 (Surr)	*32*		*10 - 120*	*10/23/26 12:33*	*10/27/26 13:49*	*1*
p-Terphenyl-d14 (Surr)	*87*		*45 - 120*	*10/23/26 12:33*	*10/27/26 13:49*	*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*	*10/23/26 12:33*	*10/29/26 23:39*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*70*		*33 - 139*	*10/23/26 12:33*	*10/29/26 23:39*	*1*
2-Fluorobiphenyl (Surr)	*84*		*33 - 126*	*10/23/26 12:33*	*10/29/26 23:39*	*1*
2-Fluorophenol (Surr)	*47*		*12 - 120*	*10/23/26 12:33*	*10/29/26 23:39*	*1*
Nitrobenzene-d5 (Surr)	*70*		*36 - 120*	*10/23/26 12:33*	*10/29/26 23:39*	*1*
Phenol-d6 (Surr)	*20*		*10 - 120*	*10/23/26 12:33*	*10/29/26 23:39*	*1*
p-Terphenyl-d14 (Surr)	*90*		*47 - 131*	*10/23/26 12:33*	*10/29/26 23:39*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10		ug/L			10/29/26 20:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*38 - 134*		*10/29/26 20:54*	*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		10/22/26 15:33	10/31/26 16:41	1
Motor Oil Range Organics [C24-C36]	<26		26		ug/L		10/22/26 15:33	10/31/26 16:41	1
C8-C18	<26		26		ug/L		10/22/26 15:33	10/31/26 16:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*99*		*60 - 130*	*10/22/26 15:33*	*10/31/26 16:41*	*1*

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

Job ID: 380-243336-1
SDG: Weekly: Aiea Gulch Wells Pump 1

Client Sample ID: TB: AIEA GULCH WELLS PUMP 1 (331-201-TP071)
Date Collected: 10/19/26 11:13
Date Received: 10/21/26 10:18

Lab Sample ID: 380-243336-2
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10		ug/L			10/29/26 16:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*38 - 134*		*10/29/26 16:48*	*1*

Action Limit Summary

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

Job ID: 380-243336-1
SDG: Weekly: Aiea Gulch Wells Pump 1

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

Lab Sample ID: 380-243336-1

PWSID Number: HI0000331

Compliance Check

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

Analyte	Result	Qualifier	Unit	EPAMCL Limit	RL	Method	Prep Type
Alachlor	<0.049		ug/L	2	0.049	525.2	Total/NA
Atrazine	<0.049		ug/L	3	0.049	525.2	Total/NA
Benzo[a]pyrene	<0.020		ug/L	0.2	0.020	525.2	Total/NA
Bis(2-ethylhexyl) phthalate	<0.59		ug/L	6	0.59	525.2	Total/NA
Di(2-ethylhexyl)adipate	<0.59		ug/L	400	0.59	525.2	Total/NA
Endrin	<0.0098		ug/L	2	0.0098	525.2	Total/NA
Heptachlor	<0.0098		ug/L	0.4	0.0098	525.2	Total/NA
Heptachlor epoxide (isomer B)	<0.0098		ug/L	0.2	0.0098	525.2	Total/NA
Hexachlorobenzene	<0.049		ug/L	1	0.049	525.2	Total/NA
Hexachlorocyclopentadiene	<0.049		ug/L	50	0.049	525.2	Total/NA
Lindane	<0.0098		ug/L	0.2	0.0098	525.2	Total/NA
Methoxychlor	<0.049		ug/L	40	0.049	525.2	Total/NA
Simazine	<0.049		ug/L	4	0.049	525.2	Total/NA
Benzo[a]pyrene	<0.20		ug/L	0.2	0.20	625.1 SIM	Total/NA

Surrogate Summary

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

Job ID: 380-243336-1
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)
380-243336-1	AIEA GULCH WELLS PUMP 1 (331	95	91	100

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)
380-242948-AV-1-A MS	Matrix Spike	98	98	108
380-243328-I-1-A DU	Duplicate	97	95	106
LCS 380-260626/23-A	Lab Control Sample	97	98	107
MB 380-260626/21-A	Method Blank	96	94	103
MRL 380-260626/22-A	Lab Control Sample	95	94	105

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)
380-243336-1	AIEA GULCH WELLS PUMP 1 (331	70	84	47	70	20	90

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 570-819910/1-A	Method Blank	75	79	52	80	30	84

Surrogate Legend

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

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

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

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

		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)
380-243336-1	AIEA GULCH WELLS PUMP 1 (331	80	79	50	80	32	87

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)
380-243335-A-1-A MS	Matrix Spike	87	89	57	68	37	96
380-243335-A-1-B MSD	Matrix Spike Duplicate	80	79	50	64	33	86
LCS 570-819910/2-A	Lab Control Sample	82	80	55	65	37	89
LCSD 570-819910/3-A	Lab Control Sample Dup	76	72	53	63	35	85
MB 570-819910/1-A	Method Blank	79	74	52	79	32	79

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)
380-243336-1	AIEA GULCH WELLS PUMP 1 (331	103

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)
380-243336-2	TB: AIEA GULCH WELLS PUMP 1 (	101
380-244052-A-1 MS	Matrix Spike	101
380-244052-A-1 MSD	Matrix Spike Duplicate	106

Surrogate Summary

Client: City & County of Honolulu
Job ID: 380-243336-1
Project/Site: RED-HILL
SDG: Weekly: Aiea Gulch Wells Pump 1

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

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

		Percent Surrogate Recovery (Acceptance Limits)								
		BFB1								
Lab Sample ID	Client Sample ID	(38-134)								
LCS 570-823375/3	Lab Control Sample	91								
LCSD 570-823375/4	Lab Control Sample Dup	96								
MB 570-823375/6	Method Blank	99								
MRL 570-823375/5	Lab Control Sample	98								

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)								
380-243336-1	AIEA GULCH WELLS PUMP 1 (331	99								

Surrogate Legend

OTCSN = n-Octacosane (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)								
		OTCSN1								
Lab Sample ID	Client Sample ID	(60-130)								
380-243335-C-1-A MS	Matrix Spike	110								
380-243335-C-1-B MSD	Matrix Spike Duplicate	117								
LCS 570-819787/2-A	Lab Control Sample	95								
LCSD 570-819787/3-A	Lab Control Sample Dup	109								
MB 570-819787/1-A	Method Blank	112								
MRL 570-819787/21-A	Lab Control Sample	97								

Surrogate Legend

OTCSN = n-Octacosane (Surr)

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

Lab Sample ID: MB 380-260626/21-A
Matrix: Water
Analysis Batch: 260797

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 260626

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 12:52	1
2,4'-DDD	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 12:52	1
2,4'-DDE	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 12:52	1
2,4'-DDT	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 12:52	1
2,4-Dinitrotoluene	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 12:52	1
2,6-Dinitrotoluene	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 12:52	1
2-Methylnaphthalene	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 12:52	1
4,4'-DDD	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 12:52	1
4,4'-DDE	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 12:52	1
4,4'-DDT	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 12:52	1
Acenaphthene	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 12:52	1
Acenaphthylene	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 12:52	1
Acetochlor	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 12:52	1
Alachlor	<0.049		0.049		ug/L		10/22/26 14:02	10/23/26 12:52	1
alpha-BHC	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 12:52	1
alpha-Chlordane	<0.049		0.049		ug/L		10/22/26 14:02	10/23/26 12:52	1
Anthracene	<0.020		0.020		ug/L		10/22/26 14:02	10/23/26 12:52	1
Atrazine	<0.049		0.049		ug/L		10/22/26 14:02	10/23/26 12:52	1
Benz(a)anthracene	<0.049		0.049		ug/L		10/22/26 14:02	10/23/26 12:52	1
Benzo[a]pyrene	<0.020		0.020		ug/L		10/22/26 14:02	10/23/26 12:52	1
Benzo[b]fluoranthene	<0.020		0.020		ug/L		10/22/26 14:02	10/23/26 12:52	1
Benzo[g,h,i]perylene	<0.049		0.049		ug/L		10/22/26 14:02	10/23/26 12:52	1
Benzo[k]fluoranthene	<0.020		0.020		ug/L		10/22/26 14:02	10/23/26 12:52	1
beta-BHC	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 12:52	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59		ug/L		10/22/26 14:02	10/23/26 12:52	1
Bromacil	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 12:52	1
Butachlor	<0.049		0.049		ug/L		10/22/26 14:02	10/23/26 12:52	1
Butylbenzylphthalate	<0.49		0.49		ug/L		10/22/26 14:02	10/23/26 12:52	1
Chlorobenzilate	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 12:52	1
Chloroneb	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 12:52	1
Chlorothalonil (Draconil, Bravo)	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 12:52	1
Chlorpyrifos	<0.049		0.049		ug/L		10/22/26 14:02	10/23/26 12:52	1
Chrysene	<0.020		0.020		ug/L		10/22/26 14:02	10/23/26 12:52	1
delta-BHC	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 12:52	1
Di(2-ethylhexyl)adipate	<0.59		0.59		ug/L		10/22/26 14:02	10/23/26 12:52	1
Dibenz(a,h)anthracene	<0.049		0.049		ug/L		10/22/26 14:02	10/23/26 12:52	1
Diclorvos (DDVP)	<0.049		0.049		ug/L		10/22/26 14:02	10/23/26 12:52	1
Dieldrin	<0.0098		0.0098		ug/L		10/22/26 14:02	10/23/26 12:52	1
Diethylphthalate	<0.49		0.49		ug/L		10/22/26 14:02	10/23/26 12:52	1
Dimethylphthalate	<0.49		0.49		ug/L		10/22/26 14:02	10/23/26 12:52	1
Di-n-butyl phthalate	<0.98		0.98		ug/L		10/22/26 14:02	10/23/26 12:52	1
Di-n-octyl phthalate	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 12:52	1
Endosulfan I (Alpha)	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 12:52	1
Endosulfan II (Beta)	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 12:52	1
Endosulfan sulfate	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 12:52	1
Endrin	<0.0098		0.0098		ug/L		10/22/26 14:02	10/23/26 12:52	1
Endrin aldehyde	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 12:52	1
EPTC	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 12:52	1

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

Lab Sample ID: MB 380-260626/21-A
Matrix: Water
Analysis Batch: 260797

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 260626

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 12:52	1
Fluorene	<0.049		0.049		ug/L		10/22/26 14:02	10/23/26 12:52	1
gamma-Chlordane	<0.049		0.049		ug/L		10/22/26 14:02	10/23/26 12:52	1
Heptachlor	<0.0098		0.0098		ug/L		10/22/26 14:02	10/23/26 12:52	1
Heptachlor epoxide (isomer B)	<0.0098		0.0098		ug/L		10/22/26 14:02	10/23/26 12:52	1
Hexachlorobenzene	<0.049		0.049		ug/L		10/22/26 14:02	10/23/26 12:52	1
Hexachlorocyclopentadiene	<0.049		0.049		ug/L		10/22/26 14:02	10/23/26 12:52	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049		ug/L		10/22/26 14:02	10/23/26 12:52	1
Isophorone	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 12:52	1
Lindane	<0.0098		0.0098		ug/L		10/22/26 14:02	10/23/26 12:52	1
Malathion	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 12:52	1
Methoxychlor	<0.049		0.049		ug/L		10/22/26 14:02	10/23/26 12:52	1
Metolachlor	<0.049		0.049		ug/L		10/22/26 14:02	10/23/26 12:52	1
Molinate	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 12:52	1
Naphthalene	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 12:52	1
Parathion	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 12:52	1
Pendimethalin (Penoxaline)	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 12:52	1
Phenanthrene	<0.039		0.039		ug/L		10/22/26 14:02	10/23/26 12:52	1
Propachlor	<0.049		0.049		ug/L		10/22/26 14:02	10/23/26 12:52	1
Pyrene	<0.049		0.049		ug/L		10/22/26 14:02	10/23/26 12:52	1
Simazine	<0.049		0.049		ug/L		10/22/26 14:02	10/23/26 12:52	1
Terbacil	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 12:52	1
Terbuthylazine	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 12:52	1
Thiobencarb	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 12:52	1
Total Permethrin (mixed isomers)	<0.20		0.20		ug/L		10/22/26 14:02	10/23/26 12:52	1
trans-Nonachlor	<0.049		0.049		ug/L		10/22/26 14:02	10/23/26 12:52	1
Trifluralin	<0.098		0.098		ug/L		10/22/26 14:02	10/23/26 12:52	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Undecane	*7.72*	*T J N*	*ug/L*		*3.13*	*1120-21-4*	*10/22/26 14:02*	*10/23/26 12:52*	*1*
Cyclopentasiloxane, decamethyl-	*0.687*	*T J N*	*ug/L*		*3.26*	*541-02-6*	*10/22/26 14:02*	*10/23/26 12:52*	*1*
Cyclohexasiloxane, dodecamethyl-	*0.625*	*T J N*	*ug/L*		*3.87*	*540-97-6*	*10/22/26 14:02*	*10/23/26 12:52*	*1*
9-Octadecenamide, (Z)-	*5.21*	*T J N*	*ug/L*		*7.86*	*301-02-0*	*10/22/26 14:02*	*10/23/26 12:52*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*96*		*70 - 130*	*10/22/26 14:02*	*10/23/26 12:52*	*1*
Perylene-d12	*94*		*70 - 130*	*10/22/26 14:02*	*10/23/26 12:52*	*1*
Triphenylphosphate	*103*		*70 - 130*	*10/22/26 14:02*	*10/23/26 12:52*	*1*

Lab Sample ID: LCS 380-260626/23-A
Matrix: Water
Analysis Batch: 260797

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 260626

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	1.96	2.23		ug/L		113	70 - 130
2,4'-DDD	1.96	2.28		ug/L		116	70 - 130
2,4'-DDE	1.96	2.22		ug/L		113	70 - 130
2,4'-DDT	1.96	2.24		ug/L		114	70 - 130

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

Lab Sample ID: LCS 380-260626/23-A
Matrix: Water
Analysis Batch: 260797

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 260626

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-Dinitrotoluene	1.96	2.19		ug/L		112	70 - 130
2,6-Dinitrotoluene	1.96	2.19		ug/L		111	70 - 130
2-Methylnaphthalene	1.96	2.20		ug/L		112	70 - 130
4,4'-DDD	1.96	2.42		ug/L		123	70 - 130
4,4'-DDE	1.96	2.17		ug/L		110	70 - 130
4,4'-DDT	1.96	2.21		ug/L		112	70 - 130
Acenaphthene	1.96	2.23		ug/L		114	70 - 130
Acenaphthylene	1.96	2.03		ug/L		103	70 - 130
Acetochlor	1.96	2.31		ug/L		117	70 - 130
Alachlor	1.96	2.32		ug/L		118	70 - 130
alpha-BHC	1.96	2.30		ug/L		117	70 - 130
alpha-Chlordane	1.96	2.28		ug/L		116	70 - 130
Anthracene	1.96	2.14		ug/L		109	70 - 130
Atrazine	1.96	2.37		ug/L		120	70 - 130
Benz(a)anthracene	1.96	2.37		ug/L		121	70 - 130
Benzo[a]pyrene	1.96	2.28		ug/L		116	70 - 130
Benzo[b]fluoranthene	1.96	2.37		ug/L		121	70 - 130
Benzo[g,h,i]perylene	1.96	2.27		ug/L		116	70 - 130
Benzo[k]fluoranthene	1.96	2.31		ug/L		117	70 - 130
beta-BHC	1.96	2.38		ug/L		121	70 - 130
Bis(2-ethylhexyl) phthalate	1.96	2.08		ug/L		106	70 - 130
Bromacil	1.96	2.08		ug/L		106	70 - 130
Butachlor	1.96	2.45		ug/L		125	70 - 130
Butylbenzylphthalate	1.96	2.57	*+	ug/L		131	70 - 130
Chlorobenzilate	1.96	2.33		ug/L		119	70 - 130
Chloroneb	1.96	2.29		ug/L		117	70 - 130
Chlorothalonil (Draconil, Bravo)	1.96	2.22		ug/L		113	70 - 130
Chlorpyrifos	1.96	2.31		ug/L		118	70 - 130
Chrysene	1.96	2.30		ug/L		117	70 - 130
delta-BHC	1.96	2.32		ug/L		118	70 - 130
Di(2-ethylhexyl)adipate	1.96	2.39		ug/L		122	70 - 130
Dibenz(a,h)anthracene	1.96	2.26		ug/L		115	70 - 130
Diclorvos (DDVP)	1.96	2.08		ug/L		106	70 - 130
Dieldrin	1.96	2.20		ug/L		112	70 - 130
Diethylphthalate	1.96	2.40		ug/L		122	70 - 130
Dimethylphthalate	1.96	2.28		ug/L		116	70 - 130
Di-n-butyl phthalate	3.93	4.63		ug/L		118	70 - 130
Di-n-octyl phthalate	1.96	1.97		ug/L		100	70 - 130
Endosulfan I (Alpha)	1.96	2.28		ug/L		116	70 - 130
Endosulfan II (Beta)	1.96	2.26		ug/L		115	70 - 130
Endosulfan sulfate	1.96	2.08		ug/L		106	70 - 130
Endrin	1.96	2.22		ug/L		113	70 - 130
Endrin aldehyde	1.96	2.21		ug/L		113	60 - 130
EPTC	1.96	2.23		ug/L		113	70 - 130
Fluoranthene	1.96	2.33		ug/L		119	70 - 130
Fluorene	1.96	2.28		ug/L		116	70 - 130
gamma-Chlordane	1.96	2.38		ug/L		121	70 - 130
Heptachlor	1.96	2.06		ug/L		105	70 - 130
Heptachlor epoxide (isomer B)	1.96	2.25		ug/L		115	70 - 130

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

Lab Sample ID: LCS 380-260626/23-A
Matrix: Water
Analysis Batch: 260797

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 260626

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Hexachlorobenzene	1.96	2.14		ug/L		109	70 - 130
Hexachlorocyclopentadiene	1.96	2.00		ug/L		102	70 - 130
Indeno[1,2,3-cd]pyrene	1.96	2.26		ug/L		115	70 - 130
Isophorone	1.96	2.24		ug/L		114	70 - 130
Lindane	1.96	2.31		ug/L		117	70 - 130
Malathion	1.96	2.32		ug/L		118	70 - 130
Methoxychlor	1.96	2.28		ug/L		116	70 - 130
Metolachlor	1.96	2.33		ug/L		119	70 - 130
Molinate	1.96	2.28		ug/L		116	70 - 130
Naphthalene	1.96	2.18		ug/L		111	70 - 130
Parathion	1.96	2.38		ug/L		121	70 - 130
Pendimethalin (Penoxaline)	1.96	2.19		ug/L		112	70 - 130
Phenanthrene	1.96	2.27		ug/L		115	70 - 130
Propachlor	1.96	2.35		ug/L		120	70 - 130
Pyrene	1.96	2.38		ug/L		121	70 - 130
Simazine	1.96	2.32		ug/L		118	70 - 130
Terbacil	1.96	2.04		ug/L		104	70 - 130
Terbuthylazine	1.96	2.44		ug/L		124	70 - 130
Thiobencarb	1.96	2.37		ug/L		121	70 - 130
trans-Nonachlor	1.96	2.26		ug/L		115	70 - 130
Trifluralin	1.96	2.12		ug/L		108	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Nitro-m-xylene	*97*		*70 - 130*
Perylene-d12	*98*		*70 - 130*
Triphenylphosphate	*107*		*70 - 130*

Lab Sample ID: MRL 380-260626/22-A
Matrix: Water
Analysis Batch: 260797

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 260626

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	0.0982	0.106		ug/L		108	50 - 150
2,4'-DDD	0.0982	0.0980		ug/L		100	50 - 150
2,4'-DDE	0.0982	0.108		ug/L		110	50 - 150
2,4'-DDT	0.0982	0.112		ug/L		115	50 - 150
2,4-Dinitrotoluene	0.0982	0.118		ug/L		120	50 - 150
2,6-Dinitrotoluene	0.0982	0.117		ug/L		119	50 - 150
2-Methylnaphthalene	0.0982	0.108		ug/L		110	50 - 150
4,4'-DDD	0.0982	0.120		ug/L		123	50 - 150
4,4'-DDE	0.0982	0.107		ug/L		109	50 - 150
4,4'-DDT	0.0982	0.115		ug/L		117	50 - 150
Acenaphthene	0.0982	0.0982		ug/L		100	50 - 150
Acenaphthylene	0.0982	0.0869	J	ug/L		88	50 - 150
Acetochlor	0.0982	0.100		ug/L		102	50 - 150
Alachlor	0.0491	0.0533		ug/L		108	50 - 150
alpha-BHC	0.0982	0.112		ug/L		114	50 - 150
alpha-Chlordane	0.0246	<0.028		ug/L		108	50 - 150

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

Lab Sample ID: MRL 380-260626/22-A
Matrix: Water
Analysis Batch: 260797

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 260626

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Anthracene	0.0196	0.0225		ug/L		115	50 - 150
Atrazine	0.0491	0.0582		ug/L		118	50 - 150
Benz(a)anthracene	0.0491	0.0585		ug/L		119	50 - 150
Benzo[a]pyrene	0.0196	0.0198	J	ug/L		101	50 - 150
Benzo[b]fluoranthene	0.0196	0.0218		ug/L		111	50 - 150
Benzo[g,h,i]perylene	0.0491	0.0479	J	ug/L		98	50 - 150
Benzo[k]fluoranthene	0.0196	0.0218		ug/L		111	50 - 150
beta-BHC	0.0982	0.116		ug/L		119	50 - 150
Bis(2-ethylhexyl) phthalate	0.589	0.733		ug/L		124	50 - 150
Bromacil	0.0982	0.109		ug/L		111	50 - 150
Butachlor	0.0491	0.0563		ug/L		115	50 - 150
Butylbenzylphthalate	0.491	0.678		ug/L		138	50 - 150
Chlorobenzilate	0.0982	0.111		ug/L		113	50 - 150
Chloroneb	0.0982	0.107		ug/L		109	50 - 150
Chlorothalonil (Draconil, Bravo)	0.0982	0.103		ug/L		105	50 - 150
Chlorpyrifos	0.0491	0.0521		ug/L		106	50 - 150
Chrysene	0.0196	0.0217		ug/L		110	50 - 150
delta-BHC	0.0982	0.125		ug/L		127	50 - 150
Di(2-ethylhexyl)adipate	0.589	0.815		ug/L		138	50 - 150
Dibenz(a,h)anthracene	0.0491	0.0523		ug/L		106	50 - 150
Diclorvos (DDVP)	0.0491	0.0539		ug/L		110	50 - 150
Dieldrin	0.00982	0.00860	J	ug/L		88	50 - 150
Diethylphthalate	0.491	0.598		ug/L		122	50 - 150
Dimethylphthalate	0.491	0.551		ug/L		112	50 - 150
Di-n-butyl phthalate	0.491	0.575	J	ug/L		117	49 - 243
Di-n-octyl phthalate	0.0982	0.107		ug/L		109	50 - 150
Endosulfan I (Alpha)	0.0982	0.0976	J	ug/L		99	50 - 150
Endosulfan II (Beta)	0.0982	0.113		ug/L		115	50 - 150
Endosulfan sulfate	0.0982	0.111		ug/L		113	50 - 150
Endrin	0.00982	0.00922	J	ug/L		94	50 - 150
Endrin aldehyde	0.0982	0.105		ug/L		107	50 - 150
EPTC	0.0982	0.0944	J	ug/L		96	50 - 150
Fluoranthene	0.0982	0.104		ug/L		106	50 - 150
Fluorene	0.0491	0.0524		ug/L		107	50 - 150
gamma-Chlordane	0.0246	0.0282	J	ug/L		115	50 - 150
Heptachlor	0.00982	0.0106		ug/L		108	50 - 150
Heptachlor epoxide (isomer B)	0.00982	0.0115		ug/L		117	50 - 150
Hexachlorobenzene	0.0491	0.0483	J	ug/L		98	50 - 150
Hexachlorocyclopentadiene	0.0491	0.0472	J	ug/L		96	50 - 150
Indeno[1,2,3-cd]pyrene	0.0491	0.0462	J	ug/L		94	50 - 150
Isophorone	0.0982	0.0976	J	ug/L		99	50 - 150
Lindane	0.00982	0.0130		ug/L		132	50 - 150
Malathion	0.0982	0.110		ug/L		112	50 - 150
Methoxychlor	0.0491	0.0559		ug/L		114	50 - 150
Metolachlor	0.0491	0.0556		ug/L		113	50 - 150
Molinate	0.0982	0.106		ug/L		108	50 - 150
Naphthalene	0.0982	0.0985		ug/L		100	50 - 150
Parathion	0.0982	0.110		ug/L		112	50 - 150
Pendimethalin (Penoxaline)	0.0982	0.100		ug/L		102	50 - 150

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

Lab Sample ID: MRL 380-260626/22-A
Matrix: Water
Analysis Batch: 260797

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 260626

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Phenanthrene			0.0393	0.0436		ug/L		111	50 - 150		
Propachlor			0.0491	0.0556		ug/L		113	50 - 150		
Pyrene			0.0491	0.0553		ug/L		113	50 - 150		
Simazine			0.0491	0.0679		ug/L		138	50 - 150		
Terbacil			0.0982	0.0942	J	ug/L		96	50 - 150		
Terbuthylazine			0.0982	0.111		ug/L		113	50 - 150		
Thiobencarb			0.0982	0.115		ug/L		117	50 - 150		
trans-Nonachlor			0.0246	<0.026		ug/L		105	50 - 150		
Trifluralin			0.0982	0.0964	J	ug/L		98	50 - 150		

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
2-Nitro-m-xylene	*95*		*70 - 130*
Perylene-d12	*94*		*70 - 130*
Triphenylphosphate	*105*		*70 - 130*

Lab Sample ID: 380-242948-AV-1-A MS
Matrix: Water
Analysis Batch: 260797

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 260626

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
1-Methylnaphthalene	<0.098		1.96	2.20		ug/L		112	70 - 130		
2,4'-DDD	<0.098		1.96	2.20		ug/L		112	70 - 130		
2,4'-DDE	<0.098		1.96	2.03		ug/L		104	70 - 130		
2,4'-DDT	<0.098		1.96	2.03		ug/L		104	70 - 130		
2,4-Dinitrotoluene	<0.098		1.96	2.29		ug/L		117	70 - 130		
2,6-Dinitrotoluene	<0.098		1.96	2.28		ug/L		117	70 - 130		
2-Methylnaphthalene	<0.098		1.96	2.19		ug/L		112	70 - 130		
4,4'-DDD	<0.098		1.96	2.36		ug/L		121	70 - 130		
4,4'-DDE	<0.098		1.96	1.96		ug/L		100	70 - 130		
4,4'-DDT	<0.098		1.96	1.99		ug/L		102	70 - 130		
Acenaphthene	<0.098		1.96	2.21		ug/L		113	70 - 130		
Acenaphthylene	<0.098		1.96	2.10		ug/L		107	70 - 130		
Acetochlor	<0.098		1.96	2.27		ug/L		116	70 - 130		
Alachlor	<0.049		1.96	2.29		ug/L		117	70 - 130		
alpha-BHC	<0.098		1.96	2.25		ug/L		115	70 - 130		
alpha-Chlordane	<0.049		1.96	2.22		ug/L		113	70 - 130		
Anthracene	<0.020	F1	1.96	1.24	F1	ug/L		64	70 - 130		
Atrazine	<0.049		1.96	2.33		ug/L		119	70 - 130		
Benz(a)anthracene	<0.049		1.96	2.08		ug/L		107	70 - 130		
Benzo[a]pyrene	<0.020		1.96	1.82		ug/L		93	70 - 130		
Benzo[b]fluoranthene	<0.020		1.96	2.42		ug/L		124	70 - 130		
Benzo[g,h,i]perylene	<0.049		1.96	2.12		ug/L		108	70 - 130		
Benzo[k]fluoranthene	<0.020		1.96	2.36		ug/L		121	70 - 130		
beta-BHC	<0.098		1.96	2.37		ug/L		121	70 - 130		
Bis(2-ethylhexyl) phthalate	<0.59		1.96	2.03		ug/L		104	70 - 130		
Bromacil	<0.098		1.96	2.25		ug/L		115	70 - 130		
Butachlor	<0.049		1.96	2.41		ug/L		123	70 - 130		
Butylbenzylphthalate	<0.49	F1 *+	1.96	2.58	F1	ug/L		132	70 - 130		

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

Lab Sample ID: 380-242948-AV-1-A MS
Matrix: Water
Analysis Batch: 260797

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 260626

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chlorobenzilate	<0.098		1.96	2.41		ug/L		123	70 - 130
Chloroneb	<0.098		1.96	2.27		ug/L		116	70 - 130
Chlorothalonil (Draconil, Bravo)	<0.098		1.96	2.23		ug/L		114	70 - 130
Chlorpyrifos	<0.049		1.96	2.30		ug/L		118	70 - 130
Chrysene	<0.020		1.96	2.44		ug/L		125	70 - 130
delta-BHC	<0.098		1.96	2.30		ug/L		118	70 - 130
Di(2-ethylhexyl)adipate	<0.59		1.96	2.04		ug/L		104	70 - 130
Dibenz(a,h)anthracene	<0.049		1.96	2.08		ug/L		107	70 - 130
Diclorvos (DDVP)	<0.049		1.96	2.12		ug/L		109	70 - 130
Dieldrin	<0.0098		1.96	2.15		ug/L		110	70 - 130
Diethylphthalate	<0.49		1.96	2.39		ug/L		122	70 - 130
Dimethylphthalate	<0.49		1.96	2.28		ug/L		117	70 - 130
Di-n-butyl phthalate	<0.98		3.91	4.65		ug/L		119	70 - 130
Di-n-octyl phthalate	<0.098		1.96	1.92		ug/L		98	70 - 130
Endosulfan I (Alpha)	<0.098		1.96	2.26		ug/L		116	70 - 130
Endosulfan II (Beta)	<0.098		1.96	2.21		ug/L		113	70 - 130
Endosulfan sulfate	<0.098		1.96	2.04		ug/L		105	70 - 130
Endrin	<0.0098		1.96	2.16		ug/L		110	70 - 130
Endrin aldehyde	<0.098		1.96	1.86		ug/L		95	60 - 130
EPTC	<0.098		1.96	2.26		ug/L		116	70 - 130
Fluoranthene	<0.098		1.96	2.32		ug/L		119	70 - 130
Fluorene	<0.049		1.96	2.26		ug/L		116	70 - 130
gamma-Chlordane	<0.049		1.96	2.29		ug/L		117	70 - 130
Heptachlor	<0.0098		1.96	2.01		ug/L		103	70 - 130
Heptachlor epoxide (isomer B)	<0.0098		1.96	2.23		ug/L		114	70 - 130
Hexachlorobenzene	<0.049		1.96	2.10		ug/L		107	70 - 130
Hexachlorocyclopentadiene	<0.049		1.96	2.03		ug/L		104	70 - 130
Indeno[1,2,3-cd]pyrene	<0.049		1.96	2.17		ug/L		111	70 - 130
Isophorone	<0.098		1.96	2.24		ug/L		114	70 - 130
Lindane	<0.0098		1.96	2.27		ug/L		116	70 - 130
Malathion	<0.098		1.96	2.30		ug/L		118	70 - 130
Methoxychlor	<0.049	F1	1.96	2.65	F1	ug/L		136	70 - 130
Metolachlor	<0.049		1.96	2.31		ug/L		118	70 - 130
Molinate	<0.098		1.96	2.31		ug/L		118	70 - 130
Naphthalene	<0.098		1.96	2.17		ug/L		111	70 - 130
Parathion	<0.098		1.96	2.42		ug/L		124	70 - 130
Pendimethalin (Penoxaline)	<0.098		1.96	2.26		ug/L		116	70 - 130
Phenanthrene	<0.039		1.96	2.24		ug/L		115	70 - 130
Propachlor	<0.049		1.96	2.37		ug/L		121	70 - 130
Pyrene	<0.049		1.96	2.32		ug/L		119	70 - 130
Simazine	<0.049		1.96	2.27		ug/L		116	70 - 130
Terbacil	<0.098		1.96	2.15		ug/L		110	70 - 130
Terbuthylazine	<0.098		1.96	2.40		ug/L		123	70 - 130
Thiobencarb	<0.098		1.96	2.35		ug/L		120	70 - 130
trans-Nonachlor	<0.049		1.96	2.17		ug/L		111	70 - 130
Trifluralin	<0.098		1.96	2.10		ug/L		107	70 - 130

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

Lab Sample ID: 380-242948-AV-1-A MS
Matrix: Water
Analysis Batch: 260797

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 260626

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Nitro-m-xylene	*98*		*70 - 130*
Perylene-d12	*98*		*70 - 130*
Triphenylphosphate	*108*		*70 - 130*

Lab Sample ID: 380-243328-I-1-A DU
Matrix: Water
Analysis Batch: 260797

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 260626

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1-Methylnaphthalene	<0.099			<0.098		ug/L				NC	20
2,4'-DDD	<0.099			<0.098		ug/L				NC	20
2,4'-DDE	<0.099			<0.098		ug/L				NC	20
2,4'-DDT	<0.099			<0.098		ug/L				NC	20
2,4-Dinitrotoluene	<0.099			<0.098		ug/L				NC	20
2,6-Dinitrotoluene	<0.099			<0.098		ug/L				NC	20
2-Methylnaphthalene	<0.099			<0.098		ug/L				NC	20
4,4'-DDD	<0.099			<0.098		ug/L				NC	20
4,4'-DDE	<0.099			<0.098		ug/L				NC	20
4,4'-DDT	<0.099			<0.098		ug/L				NC	20
Acenaphthene	<0.099			<0.098		ug/L				NC	20
Acenaphthylene	<0.099			<0.098		ug/L				NC	20
Acetochlor	<0.099			<0.098		ug/L				NC	20
Alachlor	<0.049			<0.049		ug/L				NC	20
alpha-BHC	<0.099			<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	<0.099			<0.098		ug/L				NC	20
Bis(2-ethylhexyl) phthalate	<0.59			<0.59		ug/L				NC	20
Bromacil	<0.099			<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	<0.099			<0.098		ug/L				NC	20
Chloroneb	<0.099			<0.098		ug/L				NC	20
Chlorothalonil (Draconil, Bravo)	<0.099			<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	<0.099			<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	<0.0099			<0.0098		ug/L				NC	20
Diethylphthalate	<0.49			<0.49		ug/L				NC	20

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

Lab Sample ID: 380-243328-I-1-A DU
Matrix: Water
Analysis Batch: 260797

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 260626

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Dimethylphthalate	<0.49			<0.49		ug/L				NC	20
Di-n-butyl phthalate	<0.99			<0.98		ug/L				NC	20
Di-n-octyl phthalate	<0.099			<0.098		ug/L				NC	20
Endosulfan I (Alpha)	<0.099			<0.098		ug/L				NC	20
Endosulfan II (Beta)	<0.099			<0.098		ug/L				NC	20
Endosulfan sulfate	<0.099			<0.098		ug/L				NC	20
Endrin	<0.0099			<0.0098		ug/L				NC	20
Endrin aldehyde	<0.099			<0.098		ug/L				NC	20
EPTC	<0.099			<0.098		ug/L				NC	20
Fluoranthene	<0.099			<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	<0.0099			<0.0098		ug/L				NC	20
Heptachlor epoxide (isomer B)	<0.0099			<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	<0.099			<0.098		ug/L				NC	20
Lindane	<0.0099			<0.0098		ug/L				NC	20
Malathion	<0.099			<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	<0.099			<0.098		ug/L				NC	20
Naphthalene	<0.099			<0.098		ug/L				NC	20
Parathion	<0.099			<0.098		ug/L				NC	20
Pendimethalin (Penoxaline)	<0.099			<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	<0.099			<0.098		ug/L				NC	20
Terbuthylazine	<0.099			<0.098		ug/L				NC	20
Thiobencarb	<0.099			<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	<0.099			<0.098		ug/L				NC	20

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
2-Nitro-m-xylene	*97*		*70 - 130*
Perylene-d12	*95*		*70 - 130*
Triphenylphosphate	*106*		*70 - 130*

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

Lab Sample ID: MB 570-819910/1-A
Matrix: Water
Analysis Batch: 823736

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 819910

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A	10/22/26 19:23	10/29/26 19:34	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	75		33 - 139	10/22/26 19:23	10/29/26 19:34	1
2-Fluorobiphenyl (Surr)	79		33 - 126	10/22/26 19:23	10/29/26 19:34	1
2-Fluorophenol (Surr)	52		12 - 120	10/22/26 19:23	10/29/26 19:34	1
Nitrobenzene-d5 (Surr)	80		36 - 120	10/22/26 19:23	10/29/26 19:34	1
Phenol-d6 (Surr)	30		10 - 120	10/22/26 19:23	10/29/26 19:34	1
p-Terphenyl-d14 (Surr)	84		47 - 131	10/22/26 19:23	10/29/26 19:34	1

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

Lab Sample ID: MB 570-819910/1-A
Matrix: Water
Analysis Batch: 821941

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 819910

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.20		0.20	ug/L		10/22/26 19:23	10/27/26 08:57	1
2-Methylnaphthalene	<0.20		0.20	ug/L		10/22/26 19:23	10/27/26 08:57	1
Acenaphthene	<0.20		0.20	ug/L		10/22/26 19:23	10/27/26 08:57	1
Acenaphthylene	<0.20		0.20	ug/L		10/22/26 19:23	10/27/26 08:57	1
Anthracene	<0.20		0.20	ug/L		10/22/26 19:23	10/27/26 08:57	1
Benzo[a]anthracene	<0.20		0.20	ug/L		10/22/26 19:23	10/27/26 08:57	1
Benzo[a]pyrene	<0.20		0.20	ug/L		10/22/26 19:23	10/27/26 08:57	1
Benzo[b]fluoranthene	<0.20		0.20	ug/L		10/22/26 19:23	10/27/26 08:57	1
Benzo[g,h,i]perylene	<0.20		0.20	ug/L		10/22/26 19:23	10/27/26 08:57	1
Benzo[k]fluoranthene	<0.20		0.20	ug/L		10/22/26 19:23	10/27/26 08:57	1
Chrysene	<0.20		0.20	ug/L		10/22/26 19:23	10/27/26 08:57	1
Dibenz(a,h)anthracene	<0.20		0.20	ug/L		10/22/26 19:23	10/27/26 08:57	1
Fluoranthene	<0.20		0.20	ug/L		10/22/26 19:23	10/27/26 08:57	1
Fluorene	<0.20		0.20	ug/L		10/22/26 19:23	10/27/26 08:57	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20	ug/L		10/22/26 19:23	10/27/26 08:57	1
Naphthalene	<0.20		0.20	ug/L		10/22/26 19:23	10/27/26 08:57	1
Phenanthrene	<0.20		0.20	ug/L		10/22/26 19:23	10/27/26 08:57	1
Pyrene	<0.20		0.20	ug/L		10/22/26 19:23	10/27/26 08:57	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	79		28 - 127	10/22/26 19:23	10/27/26 08:57	1
2-Fluorobiphenyl (Surr)	74		31 - 120	10/22/26 19:23	10/27/26 08:57	1
2-Fluorophenol (Surr)	52		17 - 120	10/22/26 19:23	10/27/26 08:57	1
Nitrobenzene-d5 (Surr)	79		27 - 120	10/22/26 19:23	10/27/26 08:57	1
Phenol-d6 (Surr)	32		10 - 120	10/22/26 19:23	10/27/26 08:57	1
p-Terphenyl-d14 (Surr)	79		45 - 120	10/22/26 19:23	10/27/26 08:57	1

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

Lab Sample ID: LCS 570-819910/2-A
Matrix: Water
Analysis Batch: 821941

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 819910

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	20.0	10.6		ug/L		53	47 - 120
2-Methylnaphthalene	20.0	10.7		ug/L		54	43 - 120
Acenaphthene	20.0	15.1		ug/L		75	60 - 132
Acenaphthylene	20.0	14.9		ug/L		75	54 - 126
Anthracene	20.0	15.2		ug/L		76	43 - 120
Benzo[a]anthracene	20.0	16.8		ug/L		84	42 - 133
Benzo[a]pyrene	20.0	16.4		ug/L		82	32 - 148
Benzo[b]fluoranthene	20.0	16.9		ug/L		84	42 - 140
Benzo[g,h,i]perylene	20.0	16.5		ug/L		82	1 - 195
Benzo[k]fluoranthene	20.0	16.3		ug/L		81	25 - 146
Chrysene	20.0	16.0		ug/L		80	44 - 140
Dibenz(a,h)anthracene	20.0	17.1		ug/L		85	1 - 200
Fluoranthene	20.0	16.7		ug/L		83	43 - 121
Fluorene	20.0	15.4		ug/L		77	70 - 120
Indeno[1,2,3-cd]pyrene	20.0	16.8		ug/L		84	1 - 151
Naphthalene	20.0	10.6		ug/L		53	36 - 120
Phenanthrene	20.0	16.1		ug/L		81	65 - 120
Pyrene	20.0	17.1		ug/L		86	70 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*82*		*28 - 127*
2-Fluorobiphenyl (Surr)	*80*		*31 - 120*
2-Fluorophenol (Surr)	*55*		*17 - 120*
Nitrobenzene-d5 (Surr)	*65*		*27 - 120*
Phenol-d6 (Surr)	*37*		*10 - 120*
p-Terphenyl-d14 (Surr)	*89*		*45 - 120*

Lab Sample ID: LCSD 570-819910/3-A
Matrix: Water
Analysis Batch: 821941

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 819910

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	20.0	9.15	*-	ug/L		46	47 - 120	15	20
2-Methylnaphthalene	20.0	8.98		ug/L		45	43 - 120	18	20
Acenaphthene	20.0	13.1		ug/L		65	60 - 132	14	29
Acenaphthylene	20.0	13.5		ug/L		68	54 - 126	10	45
Anthracene	20.0	14.7		ug/L		74	43 - 120	3	40
Benzo[a]anthracene	20.0	16.2		ug/L		81	42 - 133	3	32
Benzo[a]pyrene	20.0	15.5		ug/L		78	32 - 148	5	43
Benzo[b]fluoranthene	20.0	16.0		ug/L		80	42 - 140	5	43
Benzo[g,h,i]perylene	20.0	15.9		ug/L		80	1 - 195	3	61
Benzo[k]fluoranthene	20.0	16.0		ug/L		80	25 - 146	2	38
Chrysene	20.0	15.7		ug/L		78	44 - 140	2	53
Dibenz(a,h)anthracene	20.0	16.1		ug/L		81	1 - 200	6	75
Fluoranthene	20.0	16.0		ug/L		80	43 - 121	4	40
Fluorene	20.0	14.0		ug/L		70	70 - 120	9	23
Indeno[1,2,3-cd]pyrene	20.0	15.5		ug/L		78	1 - 151	8	60
Naphthalene	20.0	9.11		ug/L		46	36 - 120	15	39

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

Lab Sample ID: LCSD 570-819910/3-A
Matrix: Water
Analysis Batch: 821941

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 819910

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phenanthrene			20.0	15.1		ug/L		75	65 - 120	7	24
Pyrene			20.0	16.6		ug/L		83	70 - 120	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*76*		*28 - 127*
2-Fluorobiphenyl (Surr)	*72*		*31 - 120*
2-Fluorophenol (Surr)	*53*		*17 120*
Nitrobenzene-d5 (Surr)	*63*		*27 - 120*
Phenol-d6 (Surr)	*35*		*10 - 120*
p-Terphenyl-d14 (Surr)	*85*		*45 - 120*

Lab Sample ID: 380-243335-A-1-A MS
Matrix: Water
Analysis Batch: 821941

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 819910

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.19	*-	19.3	11.9		ug/L		62	36 - 120
2-Methylnaphthalene	<0.19		19.3	12.1		ug/L		63	32 - 124
Acenaphthene	<0.19		19.3	16.8		ug/L		87	47 - 145
Acenaphthylene	<0.19		19.3	16.8		ug/L		87	33 - 145
Anthracene	<0.19		19.3	16.8		ug/L		87	27 - 133
Benzo[a]anthracene	<0.19		19.3	18.1		ug/L		94	33 - 143
Benzo[a]pyrene	<0.19		19.3	17.8		ug/L		92	17 - 163
Benzo[b]fluoranthene	<0.19		19.3	17.5		ug/L		91	24 - 159
Benzo[g,h,i]perylene	<0.19		19.3	17.8		ug/L		93	1 - 219
Benzo[k]fluoranthene	<0.19		19.3	18.2		ug/L		95	11 - 162
Chrysene	<0.19		19.3	17.4		ug/L		90	17 - 168
Dibenz(a,h)anthracene	<0.19		19.3	18.1		ug/L		94	1 - 227
Fluoranthene	<0.19		19.3	17.9		ug/L		93	26 - 137
Fluorene	<0.19		19.3	16.8		ug/L		87	59 - 121
Indeno[1,2,3-cd]pyrene	<0.19		19.3	18.2		ug/L		94	1 - 171
Naphthalene	<0.19		19.3	11.9		ug/L		62	21 - 133
Phenanthrene	<0.19		19.3	17.1		ug/L		89	54 - 120
Pyrene	<0.19		19.3	17.8		ug/L		92	52 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*87*		*28 - 127*
2-Fluorobiphenyl (Surr)	*89*		*31 - 120*
2-Fluorophenol (Surr)	*57*		*17 - 120*
Nitrobenzene-d5 (Surr)	*68*		*27 - 120*
Phenol-d6 (Surr)	*37*		*10 - 120*
p-Terphenyl-d14 (Surr)	*96*		*45 - 120*

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

Lab Sample ID: 380-243335-A-1-B MSD
Matrix: Water
Analysis Batch: 821941

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 819910

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	<0.19	*-	19.5	11.0		ug/L		56	36 - 120	8	30
2-Methylnaphthalene	<0.19		19.5	11.2		ug/L		58	32 - 124	8	30
Acenaphthene	<0.19		19.5	14.9		ug/L		76	47 - 145	12	48
Acenaphthylene	<0.19		19.5	14.9		ug/L		76	33 - 145	12	74
Anthracene	<0.19		19.5	15.2		ug/L		78	27 - 133	10	66
Benzo[a]anthracene	<0.19		19.5	16.4		ug/L		84	33 - 143	10	53
Benzo[a]pyrene	<0.19		19.5	16.0		ug/L		82	17 - 163	11	72
Benzo[b]fluoranthene	<0.19		19.5	15.8		ug/L		81	24 - 159	10	71
Benzo[g,h,i]perylene	<0.19		19.5	16.2		ug/L		83	1 - 219	10	97
Benzo[k]fluoranthene	<0.19		19.5	16.3		ug/L		84	11 - 162	11	63
Chrysene	<0.19		19.5	15.7		ug/L		81	17 - 168	10	87
Dibenz(a,h)anthracene	<0.19		19.5	16.3		ug/L		84	1 - 227	11	126
Fluoranthene	<0.19		19.5	16.4		ug/L		84	26 - 137	9	66
Fluorene	<0.19		19.5	15.2		ug/L		78	59 - 121	10	38
Indeno[1,2,3-cd]pyrene	<0.19		19.5	16.5		ug/L		84	1 - 171	10	99
Naphthalene	<0.19		19.5	11.1		ug/L		57	21 - 133	7	65
Phenanthrene	<0.19		19.5	15.6		ug/L		80	54 - 120	9	39
Pyrene	<0.19		19.5	16.4		ug/L		84	52 - 120	8	49

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*80*		*28 - 127*
2-Fluorobiphenyl (Surr)	*79*		*31 - 120*
2-Fluorophenol (Surr)	*50*		*17 - 120*
Nitrobenzene-d5 (Surr)	*64*		*27 - 120*
Phenol-d6 (Surr)	*33*		*10 - 120*
p-Terphenyl-d14 (Surr)	*86*		*45 - 120*

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

Lab Sample ID: MB 570-823375/6
Matrix: Water
Analysis Batch: 823375

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10		ug/L			10/29/26 12:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*38 - 134*		*10/29/26 12:50*	*1*

Lab Sample ID: LCS 570-823375/3
Matrix: Water
Analysis Batch: 823375

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	322		ug/L		81	78 - 120		

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

Lab Sample ID: LCS 570-823375/3
Matrix: Water
Analysis Batch: 823375

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

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

Lab Sample ID: LCSD 570-823375/4
Matrix: Water
Analysis Batch: 823375

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	340		ug/L		85	78 - 120	5	10

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

Lab Sample ID: MRL 570-823375/5
Matrix: Water
Analysis Batch: 823375

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (C4-C13)			10.0	14.6		ug/L		146	50 - 150		

Surrogate	MRL %Recovery	MRL Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		38 - 134

Lab Sample ID: 380-244052-A-1 MS
Matrix: Water
Analysis Batch: 823375

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	345		ug/L		86	68 - 122		

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

Lab Sample ID: 380-244052-A-1 MSD
Matrix: Water
Analysis Batch: 823375

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	342		ug/L		85	68 - 122	1	18

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		38 - 134

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

Lab Sample ID: MB 570-819787/1-A
Matrix: Water
Analysis Batch: 821156

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 819787

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<25		25		ug/L		10/22/26 15:31	10/26/26 10:46	1
Motor Oil Range Organics [C24-C36]	<25		25		ug/L		10/22/26 15:31	10/26/26 10:46	1
C8-C18	<25		25		ug/L		10/22/26 15:31	10/26/26 10:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*112*		*60 - 130*	*10/22/26 15:31*	*10/26/26 10:46*	*1*

Lab Sample ID: LCS 570-819787/2-A
Matrix: Water
Analysis Batch: 821156

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 819787

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28			1600	1380		ug/L		86	56 - 127		

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

Lab Sample ID: LCSD 570-819787/3-A
Matrix: Water
Analysis Batch: 821156

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 819787

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28			1600	1630		ug/L		102	56 - 127	17	23

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
n-Octacosane (Surr)	*109*		*60 - 130*

Lab Sample ID: MRL 570-819787/21-A
Matrix: Water
Analysis Batch: 824688

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 819787

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28			0.0200	0.0241	J	mg/L		121	50 - 150		

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
n-Octacosane (Surr)	*97*		*60 - 130*

Lab Sample ID: 380-243335-C-1-A MS
Matrix: Water
Analysis Batch: 821156

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 819787

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28	<26		1680	1580		ug/L		94	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
n-Octacosane (Surr)	*110*		*60 - 130*

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

Lab Sample ID: 380-243335-C-1-B MSD
Matrix: Water
Analysis Batch: 821156

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 819787

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28	<26		1640	1520		ug/L		93	70 - 130	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
n-Octacosane (Surr)	*117*		*60 - 130*

GC/MS Semi VOA

Prep Batch: 260626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-243336-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	525.2	
MB 380-260626/21-A	Method Blank	Total/NA	Water	525.2	
LCS 380-260626/23-A	Lab Control Sample	Total/NA	Water	525.2	
MRL 380-260626/22-A	Lab Control Sample	Total/NA	Water	525.2	
380-242948-AV-1-A MS	Matrix Spike	Total/NA	Water	525.2	
380-243328-I-1-A DU	Duplicate	Total/NA	Water	525.2	

Analysis Batch: 260797

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-243336-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	525.2	260626
MB 380-260626/21-A	Method Blank	Total/NA	Water	525.2	260626
LCS 380-260626/23-A	Lab Control Sample	Total/NA	Water	525.2	260626
MRL 380-260626/22-A	Lab Control Sample	Total/NA	Water	525.2	260626
380-242948-AV-1-A MS	Matrix Spike	Total/NA	Water	525.2	260626
380-243328-I-1-A DU	Duplicate	Total/NA	Water	525.2	260626

Prep Batch: 819910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-243336-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	625.1	
MB 570-819910/1-A	Method Blank	Total/NA	Water	625.1	
LCS 570-819910/2-A	Lab Control Sample	Total/NA	Water	625.1	
LCSD 570-819910/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	
380-243335-A-1-A MS	Matrix Spike	Total/NA	Water	625.1	
380-243335-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	625.1	

Analysis Batch: 821941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-243336-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	625.1 SIM	819910
MB 570-819910/1-A	Method Blank	Total/NA	Water	625.1 SIM	819910
LCS 570-819910/2-A	Lab Control Sample	Total/NA	Water	625.1 SIM	819910
LCSD 570-819910/3-A	Lab Control Sample Dup	Total/NA	Water	625.1 SIM	819910
380-243335-A-1-A MS	Matrix Spike	Total/NA	Water	625.1 SIM	819910
380-243335-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	625.1 SIM	819910

Analysis Batch: 823736

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-243336-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	625.1	819910
MB 570-819910/1-A	Method Blank	Total/NA	Water	625.1	819910

GC VOA

Analysis Batch: 823375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-243336-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	8015B GRO LL	
380-243336-2	TB: AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Water	8015B GRO LL	
MB 570-823375/6	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-823375/3	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-823375/4	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-823375/5	Lab Control Sample	Total/NA	Water	8015B GRO LL	
380-244052-A-1 MS	Matrix Spike	Total/NA	Water	8015B GRO LL	
380-244052-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B GRO LL	

QC Association Summary

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

Job ID: 380-243336-1
SDG: Weekly: Aiea Gulch Wells Pump 1

GC Semi VOA

Prep Batch: 819787

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-243336-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	3510C	
MB 570-819787/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-819787/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-819787/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MRL 570-819787/21-A	Lab Control Sample	Total/NA	Water	3510C	
380-243335-C-1-A MS	Matrix Spike	Total/NA	Water	3510C	
380-243335-C-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	

Analysis Batch: 821156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-819787/1-A	Method Blank	Total/NA	Water	8015B	819787
LCS 570-819787/2-A	Lab Control Sample	Total/NA	Water	8015B	819787
LCSD 570-819787/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	819787
380-243335-C-1-A MS	Matrix Spike	Total/NA	Water	8015B	819787
380-243335-C-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	8015B	819787

Analysis Batch: 824688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-243336-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	8015B	819787
MRL 570-819787/21-A	Lab Control Sample	Total/NA	Water	8015B	819787

Lab Chronicle

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

Job ID: 380-243336-1
SDG: Weekly: Aiea Gulch Wells Pump 1

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

Lab Sample ID: 380-243336-1

Date Collected: 10/19/26 11:13
Date Received: 10/21/26 10:18

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			260626	IQ42	EA POM	10/22/26 14:02
Total/NA	Analysis	525.2		1	260797	UPAC	EA POM	10/23/26 17:15
Total/NA	Prep	625.1			819910	TIZL	EET CAL 4	10/23/26 12:33
Total/NA	Analysis	625.1		1	823736	5BV3	EET CAL 4	10/29/26 23:39
Total/NA	Prep	625.1			819910	TIZL	EET CAL 4	10/23/26 12:33
Total/NA	Analysis	625.1 SIM		1	821941	PQS1	EET CAL 4	10/27/26 13:49
Total/NA	Analysis	8015B GRO LL		1	823375	A9VE	EET CAL 4	10/29/26 20:54
Total/NA	Prep	3510C			819787	TVD6	EET CAL 4	10/22/26 15:33
Total/NA	Analysis	8015B		1	824688	H6FE	EET CAL 4	10/31/26 16:41

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

Lab Sample ID: 380-243336-2

Date Collected: 10/19/26 11:13
Date Received: 10/21/26 10:18

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	823375	A9VE	EET CAL 4	10/29/26 16:48

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: 380-243336-1
SDG: Weekly: Aiea Gulch Wells Pump 1

Laboratory: Eurofins Pomona

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

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

The following analytes are included in this report, but the laboratory is not certified by Hawaii State CA00006. This list may include analytes for which the agency does not offer certification :

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

Laboratory: Eurofins Calscience

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

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	7296.01	11-30-26
A2LA	ISO/IEC 17025	7296.01	11-30-26
Alaska (UST)	State	25-005	03-02-27
Arizona	State	AZ0830	11-16-26
California	Los Angeles County Sanitation Districts	9257304	07-31-28
California	SCAQMD LAP	17LA0919	11-30-26

Accreditation/Certification Summary

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

Job ID: 380-243336-1
SDG: Weekly: Aiea Gulch Wells Pump 1

Laboratory: Eurofins Calscience (Continued)

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

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

Method Summary

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

Job ID: 380-243336-1
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: 380-243336-1
SDG: Weekly: Aiea Gulch Wells Pump 1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	PWSID Number
380-243336-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Drinking Water	10/19/26 11:13	10/21/26 10:18	HI0000331
380-243336-2	TB: AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Water	10/19/26 11:13	10/21/26 10:18	

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

Chain of Custody Record

eurofins

380-243336 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_CS - HNL Ranges: C10-C24/C24-C36/C8-C18	525.2_PREC - (MOD) 525plus 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)	19-Oct-2026	1113	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)	19-Oct-2026	1113		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
[redacted]	Date/Time: 20 Oct 2026 1400	Company: HBWS	Received by: Mark Kuratia Date/Time: 10/21/26 1016 Company: ETAP
	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: (631) 3.2 +0.2 · 3.4 901-180380

Ver 04/02/2024

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

Chain of Custody Record

eurofins | Environment Testing

Loc: 380
243336

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Lopez, Maria	Carrier Tracking No(s): N/A	COC No: 380-396068.1
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 #: 380-243336-1
Address: 2841 Dow Avenue, Suite 100,	Due Date Requested: 11/2/2026			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 (Wwater, Ssolid, Oowastefoil, BT=Tissue, AwAir)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	625.1/625_Prep(MOD) Tentatively Identified Compounds (Hold)	625.1_SIM/625_Prep(MOD) Extended PAH List	8015B_DRO_LL_CS/3510C_LLHNL Ranges: C10-C24/C24-C36/CB-C18	8015B_GRO_LL/5030C(MOD) GRO	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
AIEA GULCH WELLS PUMP 1 (331-201-TP071) (380-243336-1)	10/19/26	11:13 Hawaiian	G	Water			X	X	X	X	7	, MRLs are needed. Confirm any hits >RL.
TB: AIEA GULCH WELLS PUMP 1 (331-201-TP071) (380-243336	10/19/26	11:13 Hawaiian	G	Water						X	2	MRLs are needed. Confirm any hits >RL.

380-243336 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	Mark Uratsuka	10/21/26 1600	EEAP	Manuel Garcia	10/21/26 1600	WAYPOINT
2	Manuel Garcia	10/21/26 1716	WAY		10-21-26 1716	
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.8 | 2.0 Ice-8

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-243336-1
SDG Number: Weekly: Aiea Gulch Wells Pump 1

Login Number: 243336
List Number: 1
Creator: Tran, Kristine

List Source: Eurofins Pomona

Question	Answer	Comment
The coolers custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
Samples were received on ice.	True	
Cooler(s) Temperature is acceptable.	True	
Cooler(s) Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and is legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
ClO4 headspace requirement met (>50% for CA, >30% for other states).	N/A	
Samples do not require splitting or compositing.	True	
Container provided by EEA	True	

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-243336-1
SDG Number: Weekly: Aiea Gulch Wells Pump 1

Login Number: 243336
List Number: 2
Creator: Mills, Mary

List Source: Eurofins Calscience
List Creation: 10/21/26 09:33 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	2.0
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	
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	