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ANALYTICAL REPORT

PREPARED FOR

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JOB DESCRIPTION

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

JOB NUMBER

380-241050-1

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

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

Definitions/Glossary

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

Job ID: 380-241050-1
SDG: Weekly: Aiea Gulch Wells Pump 1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*3	ISTD response or retention time outside acceptable limits.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA TICs

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

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

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
380-241050-1

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 10/9/2026 9:30 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 3.0°C.

GC/MS Semi VOA
Method 625.1: The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch. Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-814523.

Method 625.1 SIM: The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.
Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-814523.

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

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

Diesel Range Organics
Method 8015B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 570-813990 and analytical batch 570-817170 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8015B: Surrogate recovery was outside acceptance limits for the following matrix spike/matrix spike duplicate (MS/MSD) sample: (380-240595-C-1-A MS). The parent sample's surrogate recovery was within limits. The MS/MSD sample has been qualified and reported.

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: 380-241050-1
SDG: Weekly: Aiea Gulch Wells Pump 1

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

Lab Sample ID: 380-241050-1

PWSID Number: HI0000331

No Detections.

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

Lab Sample ID: 380-241050-2

No Detections.

This Detection Summary does not include radiochemical test results.

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

Date Collected: 10/07/26 13:30
Date Received: 10/09/26 09:30

Lab Sample ID: 380-241050-1

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	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 17:44	1
2,4'-DDD	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 17:44	1
2,4'-DDE	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 17:44	1
2,4'-DDT	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 17:44	1
2,4-Dinitrotoluene	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 17:44	1
2,6-Dinitrotoluene	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 17:44	1
2-Methylnaphthalene	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 17:44	1
4,4'-DDD	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 17:44	1
4,4'-DDE	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 17:44	1
4,4'-DDT	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 17:44	1
Acenaphthene	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 17:44	1
Acenaphthylene	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 17:44	1
Acetochlor	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 17:44	1
Alachlor	<0.050		0.050		ug/L		10/12/26 10:05	10/13/26 17:44	1
alpha-BHC	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 17:44	1
alpha-Chlordane	<0.050		0.050		ug/L		10/12/26 10:05	10/13/26 17:44	1
Anthracene	<0.020		0.020		ug/L		10/12/26 10:05	10/13/26 17:44	1
Atrazine	<0.050		0.050		ug/L		10/12/26 10:05	10/13/26 17:44	1
Benz(a)anthracene	<0.050		0.050		ug/L		10/12/26 10:05	10/13/26 17:44	1
Benzo[a]pyrene	<0.020		0.020		ug/L		10/12/26 10:05	10/13/26 17:44	1
Benzo[b]fluoranthene	<0.020		0.020		ug/L		10/12/26 10:05	10/13/26 17:44	1
Benzo[g,h,i]perylene	<0.050		0.050		ug/L		10/12/26 10:05	10/13/26 17:44	1
Benzo[k]fluoranthene	<0.020		0.020		ug/L		10/12/26 10:05	10/13/26 17:44	1
beta-BHC	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 17:44	1
Bis(2-ethylhexyl) phthalate	<0.60		0.60		ug/L		10/12/26 10:05	10/13/26 17:44	1
Bromacil	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 17:44	1
Butachlor	<0.050		0.050		ug/L		10/12/26 10:05	10/13/26 17:44	1
Butylbenzylphthalate	<0.50		0.50		ug/L		10/12/26 10:05	10/13/26 17:44	1
Chlorobenzilate	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 17:44	1
Chloroneb	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 17:44	1
Chlorothalonil (Draconil, Bravo)	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 17:44	1
Chlorpyrifos	<0.050		0.050		ug/L		10/12/26 10:05	10/13/26 17:44	1
Chrysene	<0.020		0.020		ug/L		10/12/26 10:05	10/13/26 17:44	1
delta-BHC	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 17:44	1
Di(2-ethylhexyl)adipate	<0.60		0.60		ug/L		10/12/26 10:05	10/13/26 17:44	1
Dibenz(a,h)anthracene	<0.050		0.050		ug/L		10/12/26 10:05	10/13/26 17:44	1
Diclorvos (DDVP)	<0.050		0.050		ug/L		10/12/26 10:05	10/13/26 17:44	1
Dieldrin	<0.010		0.010		ug/L		10/12/26 10:05	10/13/26 17:44	1
Diethylphthalate	<0.50		0.50		ug/L		10/12/26 10:05	10/13/26 17:44	1
Dimethylphthalate	<0.50		0.50		ug/L		10/12/26 10:05	10/13/26 17:44	1
Di-n-butyl phthalate	<1.0		1.0		ug/L		10/12/26 10:05	10/13/26 17:44	1
Di-n-octyl phthalate	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 17:44	1
Endosulfan I (Alpha)	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 17:44	1
Endosulfan II (Beta)	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 17:44	1
Endosulfan sulfate	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 17:44	1
Endrin	<0.010		0.010		ug/L		10/12/26 10:05	10/13/26 17:44	1
Endrin aldehyde	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 17:44	1
EPTC	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 17:44	1

Client Sample ID: AIEA GULCH WELLS PUMP 1 (331-201-TP071)
Date Collected: 10/07/26 13:30
Date Received: 10/09/26 09:30

Lab Sample ID: 380-241050-1
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	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 17:44	1
Fluorene	<0.050		0.050		ug/L		10/12/26 10:05	10/13/26 17:44	1
gamma-Chlordane	<0.050		0.050		ug/L		10/12/26 10:05	10/13/26 17:44	1
Heptachlor	<0.010		0.010		ug/L		10/12/26 10:05	10/13/26 17:44	1
Heptachlor epoxide (isomer B)	<0.010		0.010		ug/L		10/12/26 10:05	10/13/26 17:44	1
Hexachlorobenzene	<0.050		0.050		ug/L		10/12/26 10:05	10/13/26 17:44	1
Hexachlorocyclopentadiene	<0.050		0.050		ug/L		10/12/26 10:05	10/13/26 17:44	1
Indeno[1,2,3-cd]pyrene	<0.050		0.050		ug/L		10/12/26 10:05	10/13/26 17:44	1
Isophorone	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 17:44	1
Lindane	<0.010		0.010		ug/L		10/12/26 10:05	10/13/26 17:44	1
Malathion	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 17:44	1
Methoxychlor	<0.050		0.050		ug/L		10/12/26 10:05	10/13/26 17:44	1
Metolachlor	<0.050		0.050		ug/L		10/12/26 10:05	10/13/26 17:44	1
Molinate	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 17:44	1
Naphthalene	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 17:44	1
Parathion	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 17:44	1
Pendimethalin (Penoxaline)	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 17:44	1
Phenanthrene	<0.040		0.040		ug/L		10/12/26 10:05	10/13/26 17:44	1
Propachlor	<0.050		0.050		ug/L		10/12/26 10:05	10/13/26 17:44	1
Pyrene	<0.050		0.050		ug/L		10/12/26 10:05	10/13/26 17:44	1
Simazine	<0.050		0.050		ug/L		10/12/26 10:05	10/13/26 17:44	1
Terbacil	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 17:44	1
Terbuthylazine	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 17:44	1
Thiobencarb	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 17:44	1
Total Permethrin (mixed isomers)	<0.20		0.20		ug/L		10/12/26 10:05	10/13/26 17:44	1
trans-Nonachlor	<0.050		0.050		ug/L		10/12/26 10:05	10/13/26 17:44	1
Trifluralin	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 17:44	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*	*10/12/26 10:05*	*10/13/26 17:44*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*96*		*70 - 130*	*10/12/26 10:05*	*10/13/26 17:44*	*1*
Perylene-d12	*99*		*70 - 130*	*10/12/26 10:05*	*10/13/26 17:44*	*1*
Triphenylphosphate	*108*		*70 - 130*	*10/12/26 10:05*	*10/13/26 17:44*	*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		10/13/26 08:53	10/16/26 13:40	1
2-Methylnaphthalene	<0.20		0.20		ug/L		10/13/26 08:53	10/16/26 13:40	1
Acenaphthene	<0.20		0.20		ug/L		10/13/26 08:53	10/16/26 13:40	1
Acenaphthylene	<0.20		0.20		ug/L		10/13/26 08:53	10/16/26 13:40	1
Anthracene	<0.20		0.20		ug/L		10/13/26 08:53	10/16/26 13:40	1
Benzo[a]anthracene	<0.20		0.20		ug/L		10/13/26 08:53	10/16/26 13:40	1
Benzo[a]pyrene	<0.20		0.20		ug/L		10/13/26 08:53	10/16/26 13:40	1
Benzo[b]fluoranthene	<0.20		0.20		ug/L		10/13/26 08:53	10/16/26 13:40	1
Benzo[g,h,i]perylene	<0.20		0.20		ug/L		10/13/26 08:53	10/16/26 13:40	1
Benzo[k]fluoranthene	<0.20		0.20		ug/L		10/13/26 08:53	10/16/26 13:40	1
Chrysene	<0.20		0.20		ug/L		10/13/26 08:53	10/16/26 13:40	1

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

Lab Sample ID: 380-241050-1

Date Collected: 10/07/26 13:30
Date Received: 10/09/26 09:30

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		10/13/26 08:53	10/16/26 13:40	1
Fluoranthene	<0.20		0.20		ug/L		10/13/26 08:53	10/16/26 13:40	1
Fluorene	<0.20		0.20		ug/L		10/13/26 08:53	10/16/26 13:40	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20		ug/L		10/13/26 08:53	10/16/26 13:40	1
Naphthalene	<0.20		0.20		ug/L		10/13/26 08:53	10/16/26 13:40	1
Phenanthrene	<0.20		0.20		ug/L		10/13/26 08:53	10/16/26 13:40	1
Pyrene	<0.20		0.20		ug/L		10/13/26 08:53	10/16/26 13:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*88*		*28 - 127*	*10/13/26 08:53*	*10/16/26 13:40*	*1*
2-Fluorobiphenyl (Surr)	*77*		*31 - 120*	*10/13/26 08:53*	*10/16/26 13:40*	*1*
2-Fluorophenol (Surr)	*49*		*17 - 120*	*10/13/26 08:53*	*10/16/26 13:40*	*1*
Nitrobenzene-d5 (Surr)	*81*		*27 - 120*	*10/13/26 08:53*	*10/16/26 13:40*	*1*
Phenol-d6 (Surr)	*30*		*10 - 120*	*10/13/26 08:53*	*10/16/26 13:40*	*1*
p-Terphenyl-d14 (Surr)	*80*		*45 - 120*	*10/13/26 08:53*	*10/16/26 13:40*	*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*	*10/13/26 08:53*	*10/19/26 17:26*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*56*		*33 - 139*	*10/13/26 08:53*	*10/19/26 17:26*	*1*
2-Fluorobiphenyl (Surr)	*78*		*33 - 126*	*10/13/26 08:53*	*10/19/26 17:26*	*1*
2-Fluorophenol (Surr)	*46*		*12 - 120*	*10/13/26 08:53*	*10/19/26 17:26*	*1*
Nitrobenzene-d5 (Surr)	*68*		*36 - 120*	*10/13/26 08:53*	*10/19/26 17:26*	*1*
Phenol-d6 (Surr)	*28*		*10 - 120*	*10/13/26 08:53*	*10/19/26 17:26*	*1*
p-Terphenyl-d14 (Surr)	*83*		*47 - 131*	*10/13/26 08:53*	*10/19/26 17:26*	*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			10/14/26 18:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*38 - 134*		*10/14/26 18:52*	*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		10/13/26 08:49	10/18/26 01:26	1
Motor Oil Range Organics [C24-C36]	<26		26		ug/L		10/13/26 08:49	10/18/26 01:26	1
C8-C18	<26		26		ug/L		10/13/26 08:49	10/18/26 01:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*92*		*60 - 130*	*10/13/26 08:49*	*10/18/26 01:26*	*1*

Client Sample Results

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

Job ID: 380-241050-1
SDG: Weekly: Aiea Gulch Wells Pump 1

Client Sample ID: TB:AIEA GULCH WELLS PUMP 1 (331-201-TP071)
Date Collected: 10/07/26 13:30
Date Received: 10/09/26 09:30

Lab Sample ID: 380-241050-2
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			10/15/26 00:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*38 - 134*		*10/15/26 00:09*	*1*

Action Limit Summary

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

Job ID: 380-241050-1
SDG: Weekly: Aiea Gulch Wells Pump 1

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

Lab Sample ID: 380-241050-1

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	<0.050		ug/L	2	0.050	525.2	Total/NA
Atrazine	<0.050		ug/L	3	0.050	525.2	Total/NA
Benzo[a]pyrene	<0.020		ug/L	0.2	0.020	525.2	Total/NA
Bis(2-ethylhexyl) phthalate	<0.60		ug/L	6	0.60	525.2	Total/NA
Di(2-ethylhexyl)adipate	<0.60		ug/L	400	0.60	525.2	Total/NA
Endrin	<0.010		ug/L	2	0.010	525.2	Total/NA
Heptachlor	<0.010		ug/L	0.4	0.010	525.2	Total/NA
Heptachlor epoxide (isomer B)	<0.010		ug/L	0.2	0.010	525.2	Total/NA
Hexachlorobenzene	<0.050		ug/L	1	0.050	525.2	Total/NA
Hexachlorocyclopentadiene	<0.050		ug/L	50	0.050	525.2	Total/NA
Lindane	<0.010		ug/L	0.2	0.010	525.2	Total/NA
Methoxychlor	<0.050		ug/L	40	0.050	525.2	Total/NA
Simazine	<0.050		ug/L	4	0.050	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: 380-241050-1
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)
380-241050-1	AIEA GULCH WELLS PUMP 1 (	96	99	108

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)
380-241003-A-1-B MS	Matrix Spike	97	85 *3	111
380-241003-A-1-C MSD	Matrix Spike Duplicate	96	86	114
LCS 380-257894/23-A	Lab Control Sample	96	103	110
MB 380-257894/21-A	Method Blank	97	97	107
MRL 380-257894/22-A	Lab Control Sample	97	99	107

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)
380-241050-1	AIEA GULCH WELLS PUMP 1 (	56	78	46	68	28	83

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 570-814523/1-A	Method Blank	61	78	47	71	29	92

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)
380-241050-1	AIEA GULCH WELLS PUMP 1 (	88	77	49	81	30	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: 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 570-814523/2-A	Lab Control Sample	89	88	66	67	42	102
LCSD 570-814523/3-A	Lab Control Sample Dup	88	90	65	70	43	105
MB 570-814523/1-A	Method Blank	86	76	46	76	29	82

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)
380-241050-1	AIEA GULCH WELLS PUMP 1 (	101

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)
380-240595-B-1 MS	Matrix Spike	100
380-240595-B-1 MSD	Matrix Spike Duplicate	99
380-241050-2	TB:AIEA GULCH WELLS PUMP 1 (331-201-TP071)	99
LCS 570-815330/3	Lab Control Sample	97
LCSD 570-815330/4	Lab Control Sample Dup	102

Surrogate Summary

Client: City & County of Honolulu
Job ID: 380-241050-1
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)								
Lab Sample ID	Client Sample ID	BFB1 (38-134)								
MB 570-815330/6	Method Blank	100								
MRL 570-815330/7	Lab Control Sample	95								

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)								
Lab Sample ID	Client Sample ID	OTCSN1 (60-130)								
380-241050-1	AIEA GULCH WELLS PUMP 1 (	92								

Surrogate Legend

OTCSN = n-Octacosane (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)								
Lab Sample ID	Client Sample ID	OTCSN1 (60-130)								
380-240595-C-1-A MS	Matrix Spike	145 S1+								
380-240595-C-1-B MSD	Matrix Spike Duplicate	98								
LCS 570-813990/2-A	Lab Control Sample	102								
LCSD 570-813990/3-A	Lab Control Sample Dup	89								
MB 570-813990/1-A	Method Blank	100								
MRL 570-813990/4-A	Lab Control Sample	89								

Surrogate Legend

OTCSN = n-Octacosane (Surr)

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

Lab Sample ID: MB 380-257894/21-A
Matrix: Water
Analysis Batch: 258266

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 257894

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 14:18	1
2,4'-DDD	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 14:18	1
2,4'-DDE	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 14:18	1
2,4'-DDT	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 14:18	1
2,4-Dinitrotoluene	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 14:18	1
2,6-Dinitrotoluene	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 14:18	1
2-Methylnaphthalene	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 14:18	1
4,4'-DDD	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 14:18	1
4,4'-DDE	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 14:18	1
4,4'-DDT	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 14:18	1
Acenaphthene	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 14:18	1
Acenaphthylene	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 14:18	1
Acetochlor	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 14:18	1
Alachlor	<0.050		0.050		ug/L		10/12/26 10:05	10/13/26 14:18	1
alpha-BHC	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 14:18	1
alpha-Chlordane	<0.050		0.050		ug/L		10/12/26 10:05	10/13/26 14:18	1
Anthracene	<0.020		0.020		ug/L		10/12/26 10:05	10/13/26 14:18	1
Atrazine	<0.050		0.050		ug/L		10/12/26 10:05	10/13/26 14:18	1
Benz(a)anthracene	<0.050		0.050		ug/L		10/12/26 10:05	10/13/26 14:18	1
Benzo[a]pyrene	<0.020		0.020		ug/L		10/12/26 10:05	10/13/26 14:18	1
Benzo[b]fluoranthene	<0.020		0.020		ug/L		10/12/26 10:05	10/13/26 14:18	1
Benzo[g,h,i]perylene	<0.050		0.050		ug/L		10/12/26 10:05	10/13/26 14:18	1
Benzo[k]fluoranthene	<0.020		0.020		ug/L		10/12/26 10:05	10/13/26 14:18	1
beta-BHC	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 14:18	1
Bis(2-ethylhexyl) phthalate	<0.60		0.60		ug/L		10/12/26 10:05	10/13/26 14:18	1
Bromacil	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 14:18	1
Butachlor	<0.050		0.050		ug/L		10/12/26 10:05	10/13/26 14:18	1
Butylbenzylphthalate	<0.50		0.50		ug/L		10/12/26 10:05	10/13/26 14:18	1
Chlorobenzilate	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 14:18	1
Chloroneb	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 14:18	1
Chlorothalonil (Draconil, Bravo)	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 14:18	1
Chlorpyrifos	<0.050		0.050		ug/L		10/12/26 10:05	10/13/26 14:18	1
Chrysene	<0.020		0.020		ug/L		10/12/26 10:05	10/13/26 14:18	1
delta-BHC	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 14:18	1
Di(2-ethylhexyl)adipate	<0.60		0.60		ug/L		10/12/26 10:05	10/13/26 14:18	1
Dibenz(a,h)anthracene	<0.050		0.050		ug/L		10/12/26 10:05	10/13/26 14:18	1
Diclorvos (DDVP)	<0.050		0.050		ug/L		10/12/26 10:05	10/13/26 14:18	1
Dieldrin	<0.010		0.010		ug/L		10/12/26 10:05	10/13/26 14:18	1
Diethylphthalate	<0.50		0.50		ug/L		10/12/26 10:05	10/13/26 14:18	1
Dimethylphthalate	<0.50		0.50		ug/L		10/12/26 10:05	10/13/26 14:18	1
Di-n-butyl phthalate	<1.0		1.0		ug/L		10/12/26 10:05	10/13/26 14:18	1
Di-n-octyl phthalate	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 14:18	1
Endosulfan I (Alpha)	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 14:18	1
Endosulfan II (Beta)	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 14:18	1
Endosulfan sulfate	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 14:18	1
Endrin	<0.010		0.010		ug/L		10/12/26 10:05	10/13/26 14:18	1
Endrin aldehyde	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 14:18	1
EPTC	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 14:18	1

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

Lab Sample ID: MB 380-257894/21-A
Matrix: Water
Analysis Batch: 258266

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 257894

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 14:18	1
Fluorene	<0.050		0.050		ug/L		10/12/26 10:05	10/13/26 14:18	1
gamma-Chlordane	<0.050		0.050		ug/L		10/12/26 10:05	10/13/26 14:18	1
Heptachlor	<0.010		0.010		ug/L		10/12/26 10:05	10/13/26 14:18	1
Heptachlor epoxide (isomer B)	<0.010		0.010		ug/L		10/12/26 10:05	10/13/26 14:18	1
Hexachlorobenzene	<0.050		0.050		ug/L		10/12/26 10:05	10/13/26 14:18	1
Hexachlorocyclopentadiene	<0.050		0.050		ug/L		10/12/26 10:05	10/13/26 14:18	1
Indeno[1,2,3-cd]pyrene	<0.050		0.050		ug/L		10/12/26 10:05	10/13/26 14:18	1
Isophorone	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 14:18	1
Lindane	<0.010		0.010		ug/L		10/12/26 10:05	10/13/26 14:18	1
Malathion	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 14:18	1
Methoxychlor	<0.050		0.050		ug/L		10/12/26 10:05	10/13/26 14:18	1
Metolachlor	<0.050		0.050		ug/L		10/12/26 10:05	10/13/26 14:18	1
Molinate	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 14:18	1
Naphthalene	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 14:18	1
Parathion	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 14:18	1
Pendimethalin (Penoxaline)	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 14:18	1
Phenanthrene	<0.040		0.040		ug/L		10/12/26 10:05	10/13/26 14:18	1
Propachlor	<0.050		0.050		ug/L		10/12/26 10:05	10/13/26 14:18	1
Pyrene	<0.050		0.050		ug/L		10/12/26 10:05	10/13/26 14:18	1
Simazine	<0.050		0.050		ug/L		10/12/26 10:05	10/13/26 14:18	1
Terbacil	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 14:18	1
Terbuthylazine	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 14:18	1
Thiobencarb	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 14:18	1
Total Permethrin (mixed isomers)	<0.20		0.20		ug/L		10/12/26 10:05	10/13/26 14:18	1
trans-Nonachlor	<0.050		0.050		ug/L		10/12/26 10:05	10/13/26 14:18	1
Trifluralin	<0.10		0.10		ug/L		10/12/26 10:05	10/13/26 14:18	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Cyclopentene, 1,2,3,3,4-pentamethyl-	*0.775*	*T J N*	*ug/L*		*2.54*	*197390-29-7*	*10/12/26 10:05*	*10/13/26 14:18*	*1*
Bacchotricuneatin c	*0.730*	*T J N*	*ug/L*		*3.02*	*66563-30-2*	*10/12/26 10:05*	*10/13/26 14:18*	*1*
Undecane	*5.53*	*T J N*	*ug/L*		*3.14*	*1120-21-4*	*10/12/26 10:05*	*10/13/26 14:18*	*1*
9-Octadecenamide, (Z)-	*0.843*	*T J N*	*ug/L*		*7.90*	*301-02-0*	*10/12/26 10:05*	*10/13/26 14:18*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*97*		*70 - 130*	*10/12/26 10:05*	*10/13/26 14:18*	*1*
Perylene-d12	*97*		*70 - 130*	*10/12/26 10:05*	*10/13/26 14:18*	*1*
Triphenylphosphate	*107*		*70 - 130*	*10/12/26 10:05*	*10/13/26 14:18*	*1*

Lab Sample ID: LCS 380-257894/23-A
Matrix: Water
Analysis Batch: 258266

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 257894

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	1.98	2.10		ug/L		106	70 - 130
2,4'-DDD	1.98	2.08		ug/L		105	70 - 130
2,4'-DDE	1.98	2.07		ug/L		105	70 - 130
2,4'-DDT	1.98	2.17		ug/L		109	70 - 130

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

Lab Sample ID: LCS 380-257894/23-A
Matrix: Water
Analysis Batch: 258266

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 257894

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-Dinitrotoluene	1.98	2.07		ug/L		105	70 - 130
2,6-Dinitrotoluene	1.98	2.09		ug/L		105	70 - 130
2-Methylnaphthalene	1.98	2.07		ug/L		105	70 - 130
4,4'-DDD	1.98	2.27		ug/L		115	70 - 130
4,4'-DDE	1.98	2.14		ug/L		108	70 - 130
4,4'-DDT	1.98	2.15		ug/L		108	70 - 130
Acenaphthene	1.98	2.05		ug/L		104	70 - 130
Acenaphthylene	1.98	2.00		ug/L		101	70 - 130
Acetochlor	1.98	2.07		ug/L		104	70 - 130
Alachlor	1.98	2.12		ug/L		107	70 - 130
alpha-BHC	1.98	2.03		ug/L		103	70 - 130
alpha-Chlordane	1.98	2.21		ug/L		112	70 - 130
Anthracene	1.98	2.15		ug/L		108	70 - 130
Atrazine	1.98	2.16		ug/L		109	70 - 130
Benz(a)anthracene	1.98	2.18		ug/L		110	70 - 130
Benzo[a]pyrene	1.98	2.21		ug/L		111	70 - 130
Benzo[b]fluoranthene	1.98	2.25		ug/L		113	70 - 130
Benzo[g,h,i]perylene	1.98	2.25		ug/L		114	70 - 130
Benzo[k]fluoranthene	1.98	2.04		ug/L		103	70 - 130
beta-BHC	1.98	2.11		ug/L		107	70 - 130
Bis(2-ethylhexyl) phthalate	1.98	2.08		ug/L		105	70 - 130
Bromacil	1.98	1.91		ug/L		96	70 - 130
Butachlor	1.98	2.13		ug/L		107	70 - 130
Butylbenzylphthalate	1.98	2.23		ug/L		113	70 - 130
Chlorobenzilate	1.98	2.08		ug/L		105	70 - 130
Chloroneb	1.98	2.10		ug/L		106	70 - 130
Chlorothalonil (Draconil, Bravo)	1.98	2.21		ug/L		112	70 - 130
Chlorpyrifos	1.98	2.09		ug/L		106	70 - 130
Chrysene	1.98	2.06		ug/L		104	70 - 130
delta-BHC	1.98	2.05		ug/L		104	70 - 130
Di(2-ethylhexyl)adipate	1.98	2.41		ug/L		122	70 - 130
Dibenz(a,h)anthracene	1.98	2.26		ug/L		114	70 - 130
Diclorvos (DDVP)	1.98	1.96		ug/L		99	70 - 130
Dieldrin	1.98	2.18		ug/L		110	70 - 130
Diethylphthalate	1.98	2.10		ug/L		106	70 - 130
Dimethylphthalate	1.98	2.06		ug/L		104	70 - 130
Di-n-butyl phthalate	3.96	4.21		ug/L		106	70 - 130
Di-n-octyl phthalate	1.98	2.12		ug/L		107	70 - 130
Endosulfan I (Alpha)	1.98	2.08		ug/L		105	70 - 130
Endosulfan II (Beta)	1.98	2.07		ug/L		104	70 - 130
Endosulfan sulfate	1.98	2.13		ug/L		107	70 - 130
Endrin	1.98	2.21		ug/L		112	70 - 130
Endrin aldehyde	1.98	2.24		ug/L		113	60 - 130
EPTC	1.98	2.03		ug/L		102	70 - 130
Fluoranthene	1.98	2.10		ug/L		106	70 - 130
Fluorene	1.98	2.15		ug/L		108	70 - 130
gamma-Chlordane	1.98	2.29		ug/L		116	70 - 130
Heptachlor	1.98	2.07		ug/L		105	70 - 130
Heptachlor epoxide (isomer B)	1.98	2.20		ug/L		111	70 - 130

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

Lab Sample ID: LCS 380-257894/23-A
Matrix: Water
Analysis Batch: 258266

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 257894

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Hexachlorobenzene	1.98	2.08		ug/L		105	70 - 130
Hexachlorocyclopentadiene	1.98	2.13		ug/L		108	70 - 130
Indeno[1,2,3-cd]pyrene	1.98	2.25		ug/L		114	70 - 130
Isophorone	1.98	2.06		ug/L		104	70 - 130
Lindane	1.98	2.12		ug/L		107	70 - 130
Malathion	1.98	2.11		ug/L		106	70 - 130
Methoxychlor	1.98	2.14		ug/L		108	70 - 130
Metolachlor	1.98	2.17		ug/L		109	70 - 130
Molinate	1.98	2.09		ug/L		106	70 - 130
Naphthalene	1.98	2.00		ug/L		101	70 - 130
Parathion	1.98	2.09		ug/L		106	70 - 130
Pendimethalin (Penoxaline)	1.98	2.19		ug/L		111	70 - 130
Phenanthrene	1.98	2.09		ug/L		105	70 - 130
Propachlor	1.98	2.10		ug/L		106	70 - 130
Pyrene	1.98	2.15		ug/L		109	70 - 130
Simazine	1.98	2.05		ug/L		103	70 - 130
Terbacil	1.98	1.92		ug/L		97	70 - 130
Terbuthylazine	1.98	2.14		ug/L		108	70 - 130
Thiobencarb	1.98	2.09		ug/L		106	70 - 130
trans-Nonachlor	1.98	2.24		ug/L		113	70 - 130
Trifluralin	1.98	2.09		ug/L		106	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Nitro-m-xylene	*96*		*70 - 130*
Perylene-d12	*103*		*70 - 130*
Triphenylphosphate	*110*		*70 - 130*

Lab Sample ID: MRL 380-257894/22-A
Matrix: Water
Analysis Batch: 258266

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 257894

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	0.0994	0.101		ug/L		101	50 - 150
2,4'-DDD	0.0994	0.0988	J	ug/L		99	50 - 150
2,4'-DDE	0.0994	0.105		ug/L		106	50 - 150
2,4'-DDT	0.0994	0.119		ug/L		119	50 - 150
2,4-Dinitrotoluene	0.0994	0.121		ug/L		122	50 - 150
2,6-Dinitrotoluene	0.0994	0.113		ug/L		114	50 - 150
2-Methylnaphthalene	0.0994	0.103		ug/L		104	50 - 150
4,4'-DDD	0.0994	0.118		ug/L		118	50 - 150
4,4'-DDE	0.0994	0.107		ug/L		107	50 - 150
4,4'-DDT	0.0994	0.118		ug/L		118	50 - 150
Acenaphthene	0.0994	0.102		ug/L		103	50 - 150
Acenaphthylene	0.0994	0.0986	J	ug/L		99	50 - 150
Acetochlor	0.0994	0.107		ug/L		107	50 - 150
Alachlor	0.0497	0.0562		ug/L		113	50 - 150
alpha-BHC	0.0994	0.102		ug/L		103	50 - 150
alpha-Chlordane	0.0249	<0.029		ug/L		116	50 - 150

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

Lab Sample ID: MRL 380-257894/22-A
Matrix: Water
Analysis Batch: 258266

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 257894

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Anthracene	0.0199	0.0218		ug/L		110	50 - 150
Atrazine	0.0497	0.0601		ug/L		121	50 - 150
Benz(a)anthracene	0.0497	0.0578		ug/L		116	50 - 150
Benzo[a]pyrene	0.0199	0.0235		ug/L		118	50 - 150
Benzo[b]fluoranthene	0.0199	0.0240		ug/L		121	50 - 150
Benzo[g,h,i]perylene	0.0497	0.0589		ug/L		118	50 - 150
Benzo[k]fluoranthene	0.0199	0.0247		ug/L		124	50 - 150
beta-BHC	0.0994	0.106		ug/L		106	50 - 150
Bis(2-ethylhexyl) phthalate	0.596	0.640		ug/L		107	50 - 150
Bromacil	0.0994	0.106		ug/L		107	50 - 150
Butachlor	0.0497	0.0566		ug/L		114	50 - 150
Butylbenzylphthalate	0.497	0.605		ug/L		122	50 - 150
Chlorobenzilate	0.0994	0.109		ug/L		110	50 - 150
Chloroneb	0.0994	0.106		ug/L		107	50 - 150
Chlorothalonil (Draconil, Bravo)	0.0994	0.121		ug/L		121	50 - 150
Chlorpyrifos	0.0497	0.0535		ug/L		108	50 - 150
Chrysene	0.0199	0.0232		ug/L		117	50 - 150
delta-BHC	0.0994	0.102		ug/L		103	50 - 150
Di(2-ethylhexyl)adipate	0.596	0.842		ug/L		141	50 - 150
Dibenz(a,h)anthracene	0.0497	0.0539		ug/L		108	50 - 150
Diclorvos (DDVP)	0.0497	0.0572		ug/L		115	50 - 150
Dieldrin	0.00994	0.00780	J	ug/L		78	50 - 150
Diethylphthalate	0.497	0.577		ug/L		116	50 - 150
Dimethylphthalate	0.497	0.550		ug/L		111	50 - 150
Di-n-butyl phthalate	0.497	0.508	J	ug/L		102	49 - 243
Di-n-octyl phthalate	0.0994	0.0997		ug/L		100	50 - 150
Endosulfan I (Alpha)	0.0994	0.0924	J	ug/L		93	50 - 150
Endosulfan II (Beta)	0.0994	0.106		ug/L		107	50 - 150
Endosulfan sulfate	0.0994	0.113		ug/L		113	50 - 150
Endrin	0.00994	0.0124		ug/L		124	50 - 150
Endrin aldehyde	0.0994	0.127		ug/L		128	50 - 150
EPTC	0.0994	0.102		ug/L		103	50 - 150
Fluoranthene	0.0994	0.107		ug/L		108	50 - 150
Fluorene	0.0497	0.0520		ug/L		105	50 - 150
gamma-Chlordane	0.0249	0.0270	J	ug/L		109	50 - 150
Heptachlor	0.00994	0.0112		ug/L		113	50 - 150
Heptachlor epoxide (isomer B)	0.00994	0.0122		ug/L		122	50 - 150
Hexachlorobenzene	0.0497	0.0526		ug/L		106	50 - 150
Hexachlorocyclopentadiene	0.0497	0.0600		ug/L		121	50 - 150
Indeno[1,2,3-cd]pyrene	0.0497	0.0601		ug/L		121	50 - 150
Isophorone	0.0994	0.105		ug/L		106	50 - 150
Lindane	0.00994	0.0106		ug/L		107	50 - 150
Malathion	0.0994	0.114		ug/L		115	50 - 150
Methoxychlor	0.0497	0.0582		ug/L		117	50 - 150
Metolachlor	0.0497	0.0563		ug/L		113	50 - 150
Molinate	0.0994	0.116		ug/L		116	50 - 150
Naphthalene	0.0994	0.114		ug/L		114	50 - 150
Parathion	0.0994	0.0947	J	ug/L		95	50 - 150
Pendimethalin (Penoxaline)	0.0994	0.106		ug/L		106	50 - 150

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

Lab Sample ID: MRL 380-257894/22-A
Matrix: Water
Analysis Batch: 258266

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 257894

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Phenanthrene			0.0398	0.0426		ug/L		107	50 - 150		
Propachlor			0.0497	0.0538		ug/L		108	50 - 150		
Pyrene			0.0497	0.0526		ug/L		106	50 - 150		
Simazine			0.0497	0.0540		ug/L		109	50 - 150		
Terbacil			0.0994	0.106		ug/L		106	50 - 150		
Terbuthylazine			0.0994	0.114		ug/L		115	50 - 150		
Thiobencarb			0.0994	0.115		ug/L		116	50 - 150		
trans-Nonachlor			0.0249	0.0302	J	ug/L		121	50 - 150		
Trifluralin			0.0994	0.110		ug/L		111	50 - 150		

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
2-Nitro-m-xylene	*97*		*70 - 130*
Perylene-d12	*99*		*70 - 130*
Triphenylphosphate	*107*		*70 - 130*

Lab Sample ID: 380-241003-A-1-B MS
Matrix: Water
Analysis Batch: 258266

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 257894

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
1-Methylnaphthalene	<0.096		1.93	1.97		ug/L		102	70 - 130		
2,4'-DDD	<0.096		1.93	1.53		ug/L		79	70 - 130		
2,4'-DDE	<0.096	F1	1.93	1.24	F1	ug/L		64	70 - 130		
2,4'-DDT	<0.096	F1	1.93	1.23	F1	ug/L		64	70 - 130		
2,4-Dinitrotoluene	<0.096		1.93	2.08		ug/L		108	70 - 130		
2,6-Dinitrotoluene	<0.096		1.93	2.09		ug/L		109	70 - 130		
2-Methylnaphthalene	<0.096		1.93	1.95		ug/L		101	70 - 130		
4,4'-DDD	<0.096		1.93	1.67		ug/L		86	70 - 130		
4,4'-DDE	<0.096	F1	1.93	1.19	F1	ug/L		62	70 - 130		
4,4'-DDT	<0.096	F1	1.93	1.20	F1	ug/L		62	70 - 130		
Acenaphthene	<0.096		1.93	1.92		ug/L		100	70 - 130		
Acenaphthylene	<0.096		1.93	1.92		ug/L		100	70 - 130		
Acetochlor	<0.096		1.93	2.04		ug/L		106	70 - 130		
Alachlor	<0.048		1.93	2.09		ug/L		109	70 - 130		
alpha-BHC	<0.096		1.93	1.92		ug/L		99	70 - 130		
alpha-Chlordane	<0.048		1.93	1.67		ug/L		87	70 - 130		
Anthracene	<0.019	F2 F1	1.93	0.420	F1	ug/L		22	70 - 130		
Atrazine	<0.048		1.93	2.06		ug/L		107	70 - 130		
Benz(a)anthracene	<0.048	F1	1.93	1.26	F1	ug/L		65	70 - 130		
Benzo[a]pyrene	<0.019		1.93	1.69	*3	ug/L		88	70 - 130		
Benzo[b]fluoranthene	<0.019		1.93	1.97	*3	ug/L		102	70 - 130		
Benzo[g,h,i]perylene	<0.048		1.93	1.63	*3	ug/L		84	70 - 130		
Benzo[k]fluoranthene	<0.019		1.93	1.74	*3	ug/L		90	70 - 130		
beta-BHC	<0.096		1.93	1.99		ug/L		103	70 - 130		
Bis(2-ethylhexyl) phthalate	<0.58		1.93	1.50	*3	ug/L		78	70 - 130		
Bromacil	<0.096		1.93	1.91		ug/L		99	70 - 130		
Butachlor	<0.048		1.93	2.09		ug/L		109	70 - 130		
Butylbenzylphthalate	<0.48		1.93	2.19		ug/L		113	70 - 130		

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

Lab Sample ID: 380-241003-A-1-B MS
Matrix: Water
Analysis Batch: 258266

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 257894

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chlorobenzilate	<0.096		1.93	2.06		ug/L		107	70 - 130
Chloroneb	<0.096		1.93	1.99		ug/L		103	70 - 130
Chlorothalonil (Draconil, Bravo)	<0.096		1.93	2.10		ug/L		109	70 - 130
Chlorpyrifos	<0.048		1.93	1.99		ug/L		103	70 - 130
Chrysene	<0.019		1.93	1.97	*3	ug/L		102	70 - 130
delta-BHC	<0.096		1.93	1.98		ug/L		103	70 - 130
Di(2-ethylhexyl)adipate	<0.58	F1	1.93	1.16	F1	ug/L		55	70 - 130
Dibenz(a,h)anthracene	<0.048		1.93	1.57	*3	ug/L		81	70 - 130
Diclorvos (DDVP)	<0.048		1.93	1.94		ug/L		101	70 - 130
Dieldrin	<0.0096		1.93	2.00		ug/L		104	70 - 130
Diethylphthalate	<0.48		1.93	2.04		ug/L		106	70 - 130
Dimethylphthalate	<0.48		1.93	2.00		ug/L		104	70 - 130
Di-n-butyl phthalate	<0.96		3.85	4.05		ug/L		105	70 - 130
Di-n-octyl phthalate	<0.096		1.93	1.37	*3	ug/L		71	70 - 130
Endosulfan I (Alpha)	<0.096		1.93	1.90		ug/L		99	70 - 130
Endosulfan II (Beta)	<0.096		1.93	1.93		ug/L		100	70 - 130
Endosulfan sulfate	<0.096		1.93	2.04		ug/L		106	70 - 130
Endrin	<0.0096		1.93	2.10		ug/L		109	70 - 130
Endrin aldehyde	<0.096		1.93	1.51		ug/L		78	60 - 130
EPTC	<0.096		1.93	1.95		ug/L		101	70 - 130
Fluoranthene	<0.096		1.93	1.84		ug/L		95	70 - 130
Fluorene	<0.048		1.93	2.03		ug/L		105	70 - 130
gamma-Chlordane	<0.048		1.93	1.67		ug/L		87	70 - 130
Heptachlor	<0.0096		1.93	1.71		ug/L		89	70 - 130
Heptachlor epoxide (isomer B)	<0.0096		1.93	2.07		ug/L		107	70 - 130
Hexachlorobenzene	<0.048		1.93	1.84		ug/L		95	70 - 130
Hexachlorocyclopentadiene	<0.048		1.93	2.00		ug/L		104	70 - 130
Indeno[1,2,3-cd]pyrene	<0.048		1.93	1.67	*3	ug/L		87	70 - 130
Isophorone	<0.096		1.93	1.92		ug/L		100	70 - 130
Lindane	<0.0096		1.93	2.04		ug/L		106	70 - 130
Malathion	<0.096		1.93	2.05		ug/L		106	70 - 130
Methoxychlor	<0.048	F1	1.93	3.14	F1 *3	ug/L		163	70 - 130
Metolachlor	<0.048		1.93	2.13		ug/L		110	70 - 130
Molinate	<0.096		1.93	1.99		ug/L		103	70 - 130
Naphthalene	<0.096		1.93	1.87		ug/L		97	70 - 130
Parathion	<0.096		1.93	2.04		ug/L		106	70 - 130
Pendimethalin (Penoxaline)	<0.096		1.93	2.07		ug/L		108	70 - 130
Phenanthrene	<0.038		1.93	1.98		ug/L		103	70 - 130
Propachlor	<0.048		1.93	2.02		ug/L		105	70 - 130
Pyrene	<0.048		1.93	1.81		ug/L		94	70 - 130
Simazine	<0.048		1.93	1.98		ug/L		103	70 - 130
Terbacil	<0.096		1.93	1.90		ug/L		99	70 - 130
Terbuthylazine	<0.096		1.93	2.03		ug/L		106	70 - 130
Thiobencarb	<0.096		1.93	2.02		ug/L		105	70 - 130
trans-Nonachlor	<0.048		1.93	1.50		ug/L		78	70 - 130
Trifluralin	<0.096		1.93	1.97		ug/L		102	70 - 130

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

Lab Sample ID: 380-241003-A-1-B MS
Matrix: Water
Analysis Batch: 258266

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 257894

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Nitro-m-xylene	*97*		*70 - 130*
Perylene-d12	*85*	*3	*70 - 130*
Triphenylphosphate	*111*		*70 - 130*

Lab Sample ID: 380-241003-A-1-C MSD
Matrix: Water
Analysis Batch: 258266

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 257894

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	<0.096		1.93	1.98		ug/L		103	70 - 130	0	20
2,4'-DDD	<0.096		1.93	1.61		ug/L		84	70 - 130	5	20
2,4'-DDE	<0.096	F1	1.93	1.34		ug/L		70	70 - 130	8	20
2,4'-DDT	<0.096	F1	1.93	1.32	F1	ug/L		68	70 - 130	7	20
2,4-Dinitrotoluene	<0.096		1.93	2.12		ug/L		110	70 - 130	2	20
2,6-Dinitrotoluene	<0.096		1.93	2.10		ug/L		109	70 - 130	0	20
2-Methylnaphthalene	<0.096		1.93	1.96		ug/L		102	70 - 130	1	20
4,4'-DDD	<0.096		1.93	1.77		ug/L		92	70 - 130	6	20
4,4'-DDE	<0.096	F1	1.93	1.28	F1	ug/L		66	70 - 130	7	20
4,4'-DDT	<0.096	F1	1.93	1.29	F1	ug/L		67	70 - 130	7	20
Acenaphthene	<0.096		1.93	1.91		ug/L		99	70 - 130	1	20
Acenaphthylene	<0.096		1.93	1.94		ug/L		101	70 - 130	1	20
Acetochlor	<0.096		1.93	2.06		ug/L		107	70 - 130	1	20
Alachlor	<0.048		1.93	2.11		ug/L		110	70 - 130	1	20
alpha-BHC	<0.096		1.93	1.95		ug/L		101	70 - 130	2	20
alpha-Chlordane	<0.048		1.93	1.74		ug/L		90	70 - 130	4	20
Anthracene	<0.019	F2 F1	1.93	0.657	F1 F2	ug/L		34	70 - 130	44	20
Atrazine	<0.048		1.93	2.10		ug/L		109	70 - 130	2	20
Benz(a)anthracene	<0.048	F1	1.93	1.38		ug/L		72	70 - 130	9	20
Benzo[a]pyrene	<0.019		1.93	1.80		ug/L		93	70 - 130	6	20
Benzo[b]fluoranthene	<0.019		1.93	2.05		ug/L		106	70 - 130	4	20
Benzo[g,h,i]perylene	<0.048		1.93	1.67		ug/L		87	70 - 130	3	20
Benzo[k]fluoranthene	<0.019		1.93	1.76		ug/L		91	70 - 130	1	20
beta-BHC	<0.096		1.93	2.03		ug/L		105	70 - 130	2	20
Bis(2-ethylhexyl) phthalate	<0.58		1.93	1.60		ug/L		83	70 - 130	6	20
Bromacil	<0.096		1.93	1.98		ug/L		103	70 - 130	3	20
Butachlor	<0.048		1.93	2.16		ug/L		112	70 - 130	3	20
Butylbenzylphthalate	<0.48		1.93	2.23		ug/L		115	70 - 130	2	20
Chlorobenzilate	<0.096		1.93	2.13		ug/L		111	70 - 130	3	20
Chloroneb	<0.096		1.93	2.00		ug/L		104	70 - 130	0	20
Chlorothalonil (Draconil, Bravo)	<0.096		1.93	2.13		ug/L		111	70 - 130	2	20
Chlorpyrifos	<0.048		1.93	2.05		ug/L		106	70 - 130	3	20
Chrysene	<0.019		1.93	1.94		ug/L		101	70 - 130	1	20
delta-BHC	<0.096		1.93	1.98		ug/L		103	70 - 130	0	20
Di(2-ethylhexyl)adipate	<0.58	F1	1.93	1.26	F1	ug/L		61	70 - 130	8	20
Dibenz(a,h)anthracene	<0.048		1.93	1.51		ug/L		78	70 - 130	4	20
Diclorvos (DDVP)	<0.048		1.93	1.95		ug/L		101	70 - 130	1	20
Dieldrin	<0.0096		1.93	2.05		ug/L		107	70 - 130	3	20
Diethylphthalate	<0.48		1.93	2.04		ug/L		106	70 - 130	0	20

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

Lab Sample ID: 380-241003-A-1-C MSD
Matrix: Water
Analysis Batch: 258266

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 257894

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Dimethylphthalate	<0.48		1.93	2.02		ug/L		105	70 - 130	1	20
Di-n-butyl phthalate	<0.96		3.86	4.14		ug/L		107	70 - 130	2	20
Di-n-octyl phthalate	<0.096		1.93	1.48		ug/L		77	70 - 130	8	20
Endosulfan I (Alpha)	<0.096		1.93	1.91		ug/L		99	70 - 130	0	20
Endosulfan II (Beta)	<0.096		1.93	1.96		ug/L		102	70 - 130	2	20
Endosulfan sulfate	<0.096		1.93	2.05		ug/L		107	70 - 130	1	20
Endrin	<0.0096		1.93	2.13		ug/L		111	70 - 130	2	20
Endrin aldehyde	<0.096		1.93	1.58		ug/L		82	60 - 130	5	20
EPTC	<0.096		1.93	1.95		ug/L		101	70 - 130	0	20
Fluoranthene	<0.096		1.93	1.91		ug/L		99	70 - 130	4	20
Fluorene	<0.048		1.93	2.03		ug/L		105	70 - 130	0	20
gamma-Chlordane	<0.048		1.93	1.74		ug/L		90	70 - 130	4	20
Heptachlor	<0.0096		1.93	1.78		ug/L		93	70 - 130	4	20
Heptachlor epoxide (isomer B)	<0.0096		1.93	2.13		ug/L		110	70 - 130	3	20
Hexachlorobenzene	<0.048		1.93	1.87		ug/L		97	70 - 130	2	20
Hexachlorocyclopentadiene	<0.048		1.93	2.00		ug/L		104	70 - 130	0	20
Indeno[1,2,3-cd]pyrene	<0.048		1.93	1.72		ug/L		89	70 - 130	2	20
Isophorone	<0.096		1.93	1.99		ug/L		103	70 - 130	4	20
Lindane	<0.0096		1.93	2.06		ug/L		107	70 - 130	1	20
Malathion	<0.096		1.93	2.09		ug/L		108	70 - 130	2	20
Methoxychlor	<0.048	F1	1.93	3.15	F1	ug/L		163	70 - 130	0	20
Metolachlor	<0.048		1.93	2.14		ug/L		111	70 - 130	1	20
Molinate	<0.096		1.93	2.01		ug/L		104	70 - 130	1	20
Naphthalene	<0.096		1.93	1.86		ug/L		97	70 - 130	0	20
Parathion	<0.096		1.93	2.09		ug/L		109	70 - 130	3	20
Pendimethalin (Penoxaline)	<0.096		1.93	2.13		ug/L		111	70 - 130	3	20
Phenanthrene	<0.038		1.93	2.00		ug/L		104	70 - 130	1	20
Propachlor	<0.048		1.93	2.05		ug/L		106	70 - 130	2	20
Pyrene	<0.048		1.93	1.88		ug/L		98	70 - 130	4	20
Simazine	<0.048		1.93	2.04		ug/L		106	70 - 130	3	20
Terbacil	<0.096		1.93	1.99		ug/L		103	70 - 130	5	20
Terbuthylazine	<0.096		1.93	2.08		ug/L		108	70 - 130	2	20
Thiobencarb	<0.096		1.93	2.05		ug/L		106	70 - 130	1	20
trans-Nonachlor	<0.048		1.93	1.58		ug/L		82	70 - 130	5	20
Trifluralin	<0.096		1.93	2.06		ug/L		107	70 - 130	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Nitro-m-xylene	*96*		*70 - 130*
Perylene-d12	*86*		*70 - 130*
Triphenylphosphate	*114*		*70 - 130*

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

Lab Sample ID: MB 570-814523/1-A
Matrix: Water
Analysis Batch: 817657

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 814523

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	10/13/26 08:53	10/19/26 16:14	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	61		33 - 139	10/13/26 08:53	10/19/26 16:14	1
2-Fluorobiphenyl (Surr)	78		33 - 126	10/13/26 08:53	10/19/26 16:14	1
2-Fluorophenol (Surr)	47		12 - 120	10/13/26 08:53	10/19/26 16:14	1
Nitrobenzene-d5 (Surr)	71		36 - 120	10/13/26 08:53	10/19/26 16:14	1
Phenol-d6 (Surr)	29		10 - 120	10/13/26 08:53	10/19/26 16:14	1
p-Terphenyl-d14 (Surr)	92		47 - 131	10/13/26 08:53	10/19/26 16:14	1

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

Lab Sample ID: MB 570-814523/1-A
Matrix: Water
Analysis Batch: 816452

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 814523

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.20		0.20		ug/L		10/13/26 08:53	10/16/26 11:05	1
2-Methylnaphthalene	<0.20		0.20		ug/L		10/13/26 08:53	10/16/26 11:05	1
Acenaphthene	<0.20		0.20		ug/L		10/13/26 08:53	10/16/26 11:05	1
Acenaphthylene	<0.20		0.20		ug/L		10/13/26 08:53	10/16/26 11:05	1
Anthracene	<0.20		0.20		ug/L		10/13/26 08:53	10/16/26 11:05	1
Benzo[a]anthracene	<0.20		0.20		ug/L		10/13/26 08:53	10/16/26 11:05	1
Benzo[a]pyrene	<0.20		0.20		ug/L		10/13/26 08:53	10/16/26 11:05	1
Benzo[b]fluoranthene	<0.20		0.20		ug/L		10/13/26 08:53	10/16/26 11:05	1
Benzo[g,h,i]perylene	<0.20		0.20		ug/L		10/13/26 08:53	10/16/26 11:05	1
Benzo[k]fluoranthene	<0.20		0.20		ug/L		10/13/26 08:53	10/16/26 11:05	1
Chrysene	<0.20		0.20		ug/L		10/13/26 08:53	10/16/26 11:05	1
Dibenz(a,h)anthracene	<0.20		0.20		ug/L		10/13/26 08:53	10/16/26 11:05	1
Fluoranthene	<0.20		0.20		ug/L		10/13/26 08:53	10/16/26 11:05	1
Fluorene	<0.20		0.20		ug/L		10/13/26 08:53	10/16/26 11:05	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20		ug/L		10/13/26 08:53	10/16/26 11:05	1
Naphthalene	<0.20		0.20		ug/L		10/13/26 08:53	10/16/26 11:05	1
Phenanthrene	<0.20		0.20		ug/L		10/13/26 08:53	10/16/26 11:05	1
Pyrene	<0.20		0.20		ug/L		10/13/26 08:53	10/16/26 11:05	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	86		28 - 127	10/13/26 08:53	10/16/26 11:05	1
2-Fluorobiphenyl (Surr)	76		31 - 120	10/13/26 08:53	10/16/26 11:05	1
2-Fluorophenol (Surr)	46		17 - 120	10/13/26 08:53	10/16/26 11:05	1
Nitrobenzene-d5 (Surr)	76		27 - 120	10/13/26 08:53	10/16/26 11:05	1
Phenol-d6 (Surr)	29		10 - 120	10/13/26 08:53	10/16/26 11:05	1
p-Terphenyl-d14 (Surr)	82		45 - 120	10/13/26 08:53	10/16/26 11:05	1

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

Lab Sample ID: LCS 570-814523/2-A
Matrix: Water
Analysis Batch: 816452

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 814523

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1-Methylnaphthalene			20.0	11.9		ug/L		59	47 - 120		
2-Methylnaphthalene			20.0	12.1		ug/L		60	43 - 120		
Acenaphthene			20.0	15.5		ug/L		78	60 - 132		
Acenaphthylene			20.0	16.0		ug/L		80	54 - 126		
Anthracene			20.0	16.8		ug/L		84	43 - 120		
Benzo[a]anthracene			20.0	17.8		ug/L		89	42 - 133		
Benzo[a]pyrene			20.0	20.1		ug/L		101	32 - 148		
Benzo[b]fluoranthene			20.0	18.2		ug/L		91	42 - 140		
Benzo[g,h,i]perylene			20.0	16.8		ug/L		84	1 - 195		
Benzo[k]fluoranthene			20.0	17.6		ug/L		88	25 - 146		
Chrysene			20.0	16.9		ug/L		84	44 - 140		
Dibenz(a,h)anthracene			20.0	17.0		ug/L		85	1 - 200		
Fluoranthene			20.0	16.8		ug/L		84	43 - 121		
Fluorene			20.0	16.6		ug/L		83	70 - 120		
Indeno[1,2,3-cd]pyrene			20.0	17.5		ug/L		88	1 - 151		
Naphthalene			20.0	11.2		ug/L		56	36 - 120		
Phenanthrene			20.0	16.8		ug/L		84	65 - 120		
Pyrene			20.0	18.5		ug/L		92	70 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*89*		*28 - 127*
2-Fluorobiphenyl (Surr)	*88*		*31 - 120*
2-Fluorophenol (Surr)	*66*		*17 - 120*
Nitrobenzene-d5 (Surr)	*67*		*27 - 120*
Phenol-d6 (Surr)	*42*		*10 - 120*
p-Terphenyl-d14 (Surr)	*102*		*45 - 120*

Lab Sample ID: LCSD 570-814523/3-A
Matrix: Water
Analysis Batch: 816452

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 814523

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene			20.0	12.2		ug/L		61	47 - 120	3	20
2-Methylnaphthalene			20.0	12.5		ug/L		62	43 - 120	3	20
Acenaphthene			20.0	16.4		ug/L		82	60 - 132	5	29
Acenaphthylene			20.0	16.9		ug/L		85	54 - 126	6	45
Anthracene			20.0	17.6		ug/L		88	43 - 120	5	40
Benzo[a]anthracene			20.0	18.6		ug/L		93	42 - 133	4	32
Benzo[a]pyrene			20.0	21.3		ug/L		107	32 - 148	6	43
Benzo[b]fluoranthene			20.0	19.4		ug/L		97	42 - 140	7	43
Benzo[g,h,i]perylene			20.0	17.8		ug/L		89	1 - 195	6	61
Benzo[k]fluoranthene			20.0	18.7		ug/L		94	25 - 146	6	38
Chrysene			20.0	17.4		ug/L		87	44 - 140	3	53
Dibenz(a,h)anthracene			20.0	17.8		ug/L		89	1 - 200	5	75
Fluoranthene			20.0	17.5		ug/L		87	43 - 121	4	40
Fluorene			20.0	17.3		ug/L		87	70 - 120	5	23
Indeno[1,2,3-cd]pyrene			20.0	18.5		ug/L		93	1 - 151	6	60
Naphthalene			20.0	11.6		ug/L		58	36 - 120	4	39

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

Lab Sample ID: LCSD 570-814523/3-A
Matrix: Water
Analysis Batch: 816452

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 814523

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phenanthrene			20.0	17.6		ug/L		88	65 - 120	4	24
Pyrene			20.0	19.3		ug/L		96	70 - 120	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*88*		*28 - 127*
2-Fluorobiphenyl (Surr)	*90*		*31 - 120*
2-Fluorophenol (Surr)	*65*		*17 120*
Nitrobenzene-d5 (Surr)	*70*		*27 - 120*
Phenol-d6 (Surr)	*43*		*10 - 120*
p-Terphenyl-d14 (Surr)	*105*		*45 - 120*

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

Lab Sample ID: MB 570-815330/6
Matrix: Water
Analysis Batch: 815330

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			10/14/26 13:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*38 - 134*		*10/14/26 13:54*	*1*

Lab Sample ID: LCS 570-815330/3
Matrix: Water
Analysis Batch: 815330

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	379		ug/L		95	78 - 120		

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

Lab Sample ID: LCSD 570-815330/4
Matrix: Water
Analysis Batch: 815330

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	383		ug/L		96	78 - 120	1	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*38 - 134*

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

Lab Sample ID: MRL 570-815330/7
Matrix: Water
Analysis Batch: 815330

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	11.3		ug/L		113	50 - 150		

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

Lab Sample ID: 380-240595-B-1 MS
Matrix: Water
Analysis Batch: 815330

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	356		ug/L		89	68 - 122		

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

Lab Sample ID: 380-240595-B-1 MSD
Matrix: Water
Analysis Batch: 815330

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	354		ug/L		89	68 - 122	0	18

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

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

Lab Sample ID: MB 570-813990/1-A
Matrix: Water
Analysis Batch: 817170

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 813990

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<25		25		ug/L		10/12/26 09:39	10/17/26 19:24	1
Motor Oil Range Organics [C24-C36]	<25		25		ug/L		10/12/26 09:39	10/17/26 19:24	1
C8-C18	<25		25		ug/L		10/12/26 09:39	10/17/26 19:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*100*		*60 - 130*	*10/12/26 09:39*	*10/17/26 19:24*	*1*

Lab Sample ID: LCS 570-813990/2-A
Matrix: Water
Analysis Batch: 817170

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 813990

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28			1600	1620		ug/L		101	56 - 127		

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

Lab Sample ID: LCS 570-813990/2-A
Matrix: Water
Analysis Batch: 817170

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 813990

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane (Surr)	*102*		*60 - 130*

Lab Sample ID: LCSD 570-813990/3-A
Matrix: Water
Analysis Batch: 817170

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 813990

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28			1600	1330		ug/L		83	56 - 127	20	23

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
n-Octacosane (Surr)	*89*		*60 - 130*

Lab Sample ID: MRL 570-813990/4-A
Matrix: Water
Analysis Batch: 817170

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 813990

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28			0.0200	0.0208	J	mg/L		104	50 - 150		

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
n-Octacosane (Surr)	*89*		*60 - 130*

Lab Sample ID: 380-240595-C-1-A MS
Matrix: Water
Analysis Batch: 817170

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 813990

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28	<25	F1 F2	1600	2230	F1	ug/L		139	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
n-Octacosane (Surr)	*145*	*S1+*	*60 - 130*

Lab Sample ID: 380-240595-C-1-B MSD
Matrix: Water
Analysis Batch: 817170

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 813990

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28	<25	F1 F2	1600	1500	F2	ug/L		94	70 - 130	39	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
n-Octacosane (Surr)	*98*		*60 - 130*

QC Association Summary

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

Job ID: 380-241050-1
SDG: Weekly: Aiea Gulch Wells Pump 1

GC/MS Semi VOA

Prep Batch: 257894

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-241050-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	525.2	
MB 380-257894/21-A	Method Blank	Total/NA	Water	525.2	
LCS 380-257894/23-A	Lab Control Sample	Total/NA	Water	525.2	
MRL 380-257894/22-A	Lab Control Sample	Total/NA	Water	525.2	
380-241003-A-1-B MS	Matrix Spike	Total/NA	Water	525.2	
380-241003-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	525.2	

Analysis Batch: 258266

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-241050-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	525.2	257894
MB 380-257894/21-A	Method Blank	Total/NA	Water	525.2	257894
LCS 380-257894/23-A	Lab Control Sample	Total/NA	Water	525.2	257894
MRL 380-257894/22-A	Lab Control Sample	Total/NA	Water	525.2	257894
380-241003-A-1-B MS	Matrix Spike	Total/NA	Water	525.2	257894
380-241003-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	525.2	257894

Prep Batch: 814523

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-241050-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	625.1	
MB 570-814523/1-A	Method Blank	Total/NA	Water	625.1	
LCS 570-814523/2-A	Lab Control Sample	Total/NA	Water	625.1	
LCSD 570-814523/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	

Analysis Batch: 816452

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-241050-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	625.1 SIM	814523
MB 570-814523/1-A	Method Blank	Total/NA	Water	625.1 SIM	814523
LCS 570-814523/2-A	Lab Control Sample	Total/NA	Water	625.1 SIM	814523
LCSD 570-814523/3-A	Lab Control Sample Dup	Total/NA	Water	625.1 SIM	814523

Analysis Batch: 817657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-241050-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	625.1	814523
MB 570-814523/1-A	Method Blank	Total/NA	Water	625.1	814523

GC VOA

Analysis Batch: 815330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-241050-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	8015B GRO LL	
380-241050-2	TB:AIEA GULCH WELLS PUMP 1 (331-201-TP0	Total/NA	Water	8015B GRO LL	
MB 570-815330/6	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-815330/3	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-815330/4	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-815330/7	Lab Control Sample	Total/NA	Water	8015B GRO LL	
380-240595-B-1 MS	Matrix Spike	Total/NA	Water	8015B GRO LL	
380-240595-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B GRO LL	

QC Association Summary

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

Job ID: 380-241050-1
SDG: Weekly: Aiea Gulch Wells Pump 1

GC Semi VOA

Prep Batch: 813990

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-241050-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	3510C	
MB 570-813990/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-813990/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-813990/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MRL 570-813990/4-A	Lab Control Sample	Total/NA	Water	3510C	
380-240595-C-1-A MS	Matrix Spike	Total/NA	Water	3510C	
380-240595-C-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	

Analysis Batch: 817170

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-241050-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	8015B	813990
MB 570-813990/1-A	Method Blank	Total/NA	Water	8015B	813990
LCS 570-813990/2-A	Lab Control Sample	Total/NA	Water	8015B	813990
LCSD 570-813990/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	813990
MRL 570-813990/4-A	Lab Control Sample	Total/NA	Water	8015B	813990
380-240595-C-1-A MS	Matrix Spike	Total/NA	Water	8015B	813990
380-240595-C-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	8015B	813990

Lab Chronicle

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

Job ID: 380-241050-1
SDG: Weekly: Aiea Gulch Wells Pump 1

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

Lab Sample ID: 380-241050-1

Date Collected: 10/07/26 13:30
Date Received: 10/09/26 09:30

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			257894	OTM3	EA POM	10/12/26 10:05
Total/NA	Analysis	525.2		1	258266	Q8LA	EA POM	10/13/26 17:44
Total/NA	Prep	625.1			814523	TIZL	EET CAL 4	10/13/26 08:53
Total/NA	Analysis	625.1		1	817657	PQS1	EET CAL 4	10/19/26 17:26
Total/NA	Prep	625.1			814523	TIZL	EET CAL 4	10/13/26 08:53
Total/NA	Analysis	625.1 SIM		1	816452	PQS1	EET CAL 4	10/16/26 13:40
Total/NA	Analysis	8015B GRO LL		1	815330	W4LC	EET CAL 4	10/14/26 18:52
Total/NA	Prep	3510C			813990	TVD6	EET CAL 4	10/13/26 08:49
Total/NA	Analysis	8015B		1	817170	H6FE	EET CAL 4	10/18/26 01:26

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

Lab Sample ID: 380-241050-2

Date Collected: 10/07/26 13:30
Date Received: 10/09/26 09:30

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	815330	W4LC	EET CAL 4	10/15/26 00:09

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: 380-241050-1
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: 380-241050-1
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: 380-241050-1
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: 380-241050-1
SDG: Weekly: Aiea Gulch Wells Pump 1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	PWSID Number
380-241050-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Drinking Water	10/07/26 13:30	10/09/26 09:30	HI0000331
380-241050-2	TB:AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Water	10/07/26 13:30	10/09/26 09:30	

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Kai Edison	Lab PM: Lopez, Maria	Carrier Tracking No(s):	COC No:
Client Contact: Kirk Iwamoto	Phone: +1 808 748 5840	E-Mail: Maria.Lopez@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: City & County of Honolulu	PWSID:			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=wasteoil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	625.1, 625.1_SIM	8015B_GRO_LL - (MOD) GRO	8015B_DRO_LL_CS - HNL Ranges: C10-C24/C24-C36/C8-C18	525.2_PREC - (MOD) 525plus Plus TICs	Total Number of containers	Special Instructions/Note:
			Preservation Code:				R	RA	Q	QA		
AIEA GULCH WELLS PUMP 1 (331-201-TP071)	7-Oct-2026	13:30	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)	7-Oct-2026	13:30	G	Water				2				

380-241050 COC

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: 7780 5521 1665
Relinquished by: [redacted]	Date/Time: 10/8/26 12:00	Company: HBWS	Received by: [signature]	Date/Time: 10/9/26 9:30	Company: Eaton
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 6.3A/2.8+0.2=3.0 IR

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

SHIP DATE: 08OCT26
ACTWGT: 62.00 LB
CAD: 258050552/INET4535

BILL RECIPIENT

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

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

58KJ0097484848

FedEx Express

1 of 2

TRK# 0201 **8784 0512 1665**

FRI - 09 OCT 10:30A
PRIORITY OVERNIGHT

MASTER

WM ONTA

91768
CA-US ONT

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

Chain of Custody Record

eurofins

Loc: 380
241050

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Lopez, Maria	Carrier Tracking No(s): N/A	COC No: 380-391436.1
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 #: 380-241050-1
Address: 2841 Dow Avenue, Suite 100,	Due Date Requested: 10/20/2026	Analysis Requested		Preservation Codes: -
City: Tustin	TAT Requested (days): N/A			
State, Zip: CA, 92780				
Phone: 714-895-5494(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: RED-HILL	Project #: 38001111			
Site: Honolulu BWS Sites	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=wastefoil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	625.1/625_Prep(MOD) Tentatively Identified Compounds (Hold)	625.1_SIM/625_Prep(MOD) Extended PAH List	8015B_DRO_LL_CS/3510C_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) (380-241050-1)	10/7/26	13:30 Hawaiian	G	Water			X	X	X	X	7	MRLs are needed. Confirm any hits >RL.
TB:AIEA GULCH WELLS P1 (331-201-TP071) (380-241050-2)	10/7/26	13:30 Hawaiian	G	Water						X	2	MRLs are needed. Confirm any hits >RL.

380-241050 Chain of Custody

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

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

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

Relinquished by:	Date/Time: 10/10/26 0933	Company: EAP	Received by: Manuel Garcia	Date/Time: 10/10/26 1000	Company: WW
Relinquished by: Manuel Garcia	Date/Time: 10/10/26 1055	Company: WW	Received by:	Date/Time: 10/10/26 1055	Company: EA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3-2/3-0 TR9

Ver: 08/18/2026

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-241050-1
SDG Number: Weekly: Aiea Gulch Wells Pump 1

Login Number: 241050
List Number: 1
Creator: Ngo, Theodore

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.	False	Refer to Job Narrative for details.
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: 380-241050-1
SDG Number: Weekly: Aiea Gulch Wells Pump 1

Login Number: 241050
List Number: 2
Creator: Khana, Piyush

List Source: Eurofins Calscience
List Creation: 10/12/26 06:17 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	3.0
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	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	