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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Erwin Kawata
City & County of Honolulu
630 South Beretania Street
Public Service Bldg. Room 310
Honolulu, Hawaii 96843

Generated 5/11/2026 4:46:33 PM

JOB DESCRIPTION

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

JOB NUMBER

380-210934-1

Eurofins Pomona
941 Corporate Center Drive
Pomona CA 91768-2642

See page two for job notes and contact information.

Job Notes

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

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

Compliance Statement

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

Authorization

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Authorized for release by
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Table of Contents

Definitions/Glossary

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

Job ID: 380-210934-1
SDG: Weekly: Aiea Gulch Wells Pump 1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
^3+	Reporting Limit Check Standard is outside acceptance limits, high biased
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.
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
380-210934-1

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 4/29/2026 9:47 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 2.6°C, 2.8°C, 3.6°C and 3.9°C.

GC/MS Semi VOA
Method 625.1 SIM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 570-732094 and analytical batch 570-732462 recovered outside control limits for the following analytes: 2-Methylnaphthalene. Laboratory control sample / laboratory control sample duplicate (LCS/LCSD) percent recovery is in control for affected analytes.

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

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

Diesel Range Organics
Method 8015B: Surrogate recovery for the following sample was outside the upper control limit: AIEA GULCH WELLS PUMP 1 (331-201-TP071) (380-210934-1). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 8015B: Surrogate recovery was outside acceptance limits for the following matrix spike/matrix spike duplicate (MS/MSD) sample: (380-210938-B-1-B 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: 380-210934-1
SDG: Weekly: Aiea Gulch Wells Pump 1

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

Lab Sample ID: 380-210934-1

PWSID Number: HI0000331

No Detections.

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

Lab Sample ID: 380-210934-2

No Detections.

This Detection Summary does not include radiochemical test results.

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

Lab Sample ID: 380-210934-1

Date Collected: 04/27/26 11:08
Date Received: 04/29/26 09:47

Matrix: Drinking Water
PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.097		0.097		ug/L		05/05/26 08:12	05/06/26 14:54	1
2,4'-DDD	<0.097		0.097		ug/L		05/05/26 08:12	05/06/26 14:54	1
2,4'-DDE	<0.097		0.097		ug/L		05/05/26 08:12	05/06/26 14:54	1
2,4'-DDT	<0.097		0.097		ug/L		05/05/26 08:12	05/06/26 14:54	1
2,4-Dinitrotoluene	<0.097		0.097		ug/L		05/05/26 08:12	05/06/26 14:54	1
2,6-Dinitrotoluene	<0.097		0.097		ug/L		05/05/26 08:12	05/06/26 14:54	1
2-Methylnaphthalene	<0.097		0.097		ug/L		05/05/26 08:12	05/06/26 14:54	1
4,4'-DDD	<0.097		0.097		ug/L		05/05/26 08:12	05/06/26 14:54	1
4,4'-DDE	<0.097		0.097		ug/L		05/05/26 08:12	05/06/26 14:54	1
4,4'-DDT	<0.097		0.097		ug/L		05/05/26 08:12	05/06/26 14:54	1
Acenaphthene	<0.097		0.097		ug/L		05/05/26 08:12	05/06/26 14:54	1
Acenaphthylene	<0.097		0.097		ug/L		05/05/26 08:12	05/06/26 14:54	1
Acetochlor	<0.097		0.097		ug/L		05/05/26 08:12	05/06/26 14:54	1
Alachlor	<0.049		0.049		ug/L		05/05/26 08:12	05/06/26 14:54	1
alpha-BHC	<0.097		0.097		ug/L		05/05/26 08:12	05/06/26 14:54	1
alpha-Chlordane	<0.049		0.049		ug/L		05/05/26 08:12	05/06/26 14:54	1
Anthracene	<0.019		0.019		ug/L		05/05/26 08:12	05/06/26 14:54	1
Atrazine	<0.049		0.049		ug/L		05/05/26 08:12	05/06/26 14:54	1
Benz(a)anthracene	<0.049		0.049		ug/L		05/05/26 08:12	05/06/26 14:54	1
Benzo[a]pyrene	<0.019		0.019		ug/L		05/05/26 08:12	05/06/26 14:54	1
Benzo[b]fluoranthene	<0.019		0.019		ug/L		05/05/26 08:12	05/06/26 14:54	1
Benzo[g,h,i]perylene	<0.049		0.049		ug/L		05/05/26 08:12	05/06/26 14:54	1
Benzo[k]fluoranthene	<0.019		0.019		ug/L		05/05/26 08:12	05/06/26 14:54	1
beta-BHC	<0.097		0.097		ug/L		05/05/26 08:12	05/06/26 14:54	1
Bis(2-ethylhexyl) phthalate	<0.58		0.58		ug/L		05/05/26 08:12	05/06/26 14:54	1
Bromacil	<0.097		0.097		ug/L		05/05/26 08:12	05/06/26 14:54	1
Butachlor	<0.049		0.049		ug/L		05/05/26 08:12	05/06/26 14:54	1
Butylbenzylphthalate	<0.49		0.49		ug/L		05/05/26 08:12	05/06/26 14:54	1
Chlorobenzilate	<0.097		0.097		ug/L		05/05/26 08:12	05/06/26 14:54	1
Chloroneb	<0.097		0.097		ug/L		05/05/26 08:12	05/06/26 14:54	1
Chlorothalonil (Draconil, Bravo)	<0.097		0.097		ug/L		05/05/26 08:12	05/06/26 14:54	1
Chlorpyrifos	<0.049		0.049		ug/L		05/05/26 08:12	05/06/26 14:54	1
Chrysene	<0.019	^3+	0.019		ug/L		05/05/26 08:12	05/06/26 14:54	1
delta-BHC	<0.097		0.097		ug/L		05/05/26 08:12	05/06/26 14:54	1
Di(2-ethylhexyl)adipate	<0.58		0.58		ug/L		05/05/26 08:12	05/06/26 14:54	1
Dibenz(a,h)anthracene	<0.049		0.049		ug/L		05/05/26 08:12	05/06/26 14:54	1
Diclorvos (DDVP)	<0.049		0.049		ug/L		05/05/26 08:12	05/06/26 14:54	1
Dieldrin	<0.0097		0.0097		ug/L		05/05/26 08:12	05/06/26 14:54	1
Diethylphthalate	<0.49		0.49		ug/L		05/05/26 08:12	05/06/26 14:54	1
Dimethylphthalate	<0.49		0.49		ug/L		05/05/26 08:12	05/06/26 14:54	1
Di-n-butyl phthalate	<0.97		0.97		ug/L		05/05/26 08:12	05/06/26 14:54	1
Di-n-octyl phthalate	<0.097		0.097		ug/L		05/05/26 08:12	05/06/26 14:54	1
Endosulfan I (Alpha)	<0.097		0.097		ug/L		05/05/26 08:12	05/06/26 14:54	1
Endosulfan II (Beta)	<0.097		0.097		ug/L		05/05/26 08:12	05/06/26 14:54	1
Endosulfan sulfate	<0.097		0.097		ug/L		05/05/26 08:12	05/06/26 14:54	1
Endrin	<0.0097		0.0097		ug/L		05/05/26 08:12	05/06/26 14:54	1
Endrin aldehyde	<0.097		0.097		ug/L		05/05/26 08:12	05/06/26 14:54	1
EPTC	<0.097		0.097		ug/L		05/05/26 08:12	05/06/26 14:54	1

Client Sample ID: AIEA GULCH WELLS PUMP 1 (331-201-TP071)
Date Collected: 04/27/26 11:08
Date Received: 04/29/26 09:47

Lab Sample ID: 380-210934-1
Matrix: Drinking Water
PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	<0.097		0.097		ug/L		05/05/26 08:12	05/06/26 14:54	1
Fluorene	<0.049		0.049		ug/L		05/05/26 08:12	05/06/26 14:54	1
gamma-Chlordane	<0.049		0.049		ug/L		05/05/26 08:12	05/06/26 14:54	1
Heptachlor	<0.0097		0.0097		ug/L		05/05/26 08:12	05/06/26 14:54	1
Heptachlor epoxide (isomer B)	<0.0097		0.0097		ug/L		05/05/26 08:12	05/06/26 14:54	1
Hexachlorobenzene	<0.049		0.049		ug/L		05/05/26 08:12	05/06/26 14:54	1
Hexachlorocyclopentadiene	<0.049		0.049		ug/L		05/05/26 08:12	05/06/26 14:54	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049		ug/L		05/05/26 08:12	05/06/26 14:54	1
Isophorone	<0.097		0.097		ug/L		05/05/26 08:12	05/06/26 14:54	1
Lindane	<0.0097		0.0097		ug/L		05/05/26 08:12	05/06/26 14:54	1
Malathion	<0.097		0.097		ug/L		05/05/26 08:12	05/06/26 14:54	1
Methoxychlor	<0.049		0.049		ug/L		05/05/26 08:12	05/06/26 14:54	1
Metolachlor	<0.049		0.049		ug/L		05/05/26 08:12	05/06/26 14:54	1
Molinate	<0.097		0.097		ug/L		05/05/26 08:12	05/06/26 14:54	1
Naphthalene	<0.097		0.097		ug/L		05/05/26 08:12	05/06/26 14:54	1
Parathion	<0.097		0.097		ug/L		05/05/26 08:12	05/06/26 14:54	1
Pendimethalin (Penoxaline)	<0.097		0.097		ug/L		05/05/26 08:12	05/06/26 14:54	1
Phenanthrene	<0.039		0.039		ug/L		05/05/26 08:12	05/06/26 14:54	1
Propachlor	<0.049		0.049		ug/L		05/05/26 08:12	05/06/26 14:54	1
Pyrene	<0.049		0.049		ug/L		05/05/26 08:12	05/06/26 14:54	1
Simazine	<0.049		0.049		ug/L		05/05/26 08:12	05/06/26 14:54	1
Terbacil	<0.097		0.097		ug/L		05/05/26 08:12	05/06/26 14:54	1
Terbuthylazine	<0.097		0.097		ug/L		05/05/26 08:12	05/06/26 14:54	1
Thiobencarb	<0.097		0.097		ug/L		05/05/26 08:12	05/06/26 14:54	1
Total Permethrin (mixed isomers)	<0.19		0.19		ug/L		05/05/26 08:12	05/06/26 14:54	1
trans-Nonachlor	<0.049		0.049		ug/L		05/05/26 08:12	05/06/26 14:54	1
Trifluralin	<0.097		0.097		ug/L		05/05/26 08:12	05/06/26 14:54	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*	*05/05/26 08:12*	*05/06/26 14:54*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*96*		*70 - 130*	*05/05/26 08:12*	*05/06/26 14:54*	*1*
Perylene-d12	*89*		*70 - 130*	*05/05/26 08:12*	*05/06/26 14:54*	*1*
Triphenylphosphate	*95*		*70 - 130*	*05/05/26 08:12*	*05/06/26 14:54*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.19		0.19		ug/L		04/30/26 09:34	05/01/26 00:42	1
2-Methylnaphthalene	<0.19	*1	0.19		ug/L		04/30/26 09:34	05/01/26 00:42	1
Acenaphthene	<0.19		0.19		ug/L		04/30/26 09:34	05/01/26 00:42	1
Acenaphthylene	<0.19		0.19		ug/L		04/30/26 09:34	05/01/26 00:42	1
Anthracene	<0.19		0.19		ug/L		04/30/26 09:34	05/01/26 00:42	1
Benzo[a]anthracene	<0.19		0.19		ug/L		04/30/26 09:34	05/01/26 00:42	1
Benzo[a]pyrene	<0.19		0.19		ug/L		04/30/26 09:34	05/01/26 00:42	1
Benzo[b]fluoranthene	<0.19		0.19		ug/L		04/30/26 09:34	05/01/26 00:42	1
Benzo[g,h,i]perylene	<0.19		0.19		ug/L		04/30/26 09:34	05/01/26 00:42	1
Benzo[k]fluoranthene	<0.19		0.19		ug/L		04/30/26 09:34	05/01/26 00:42	1
Chrysene	<0.19		0.19		ug/L		04/30/26 09:34	05/01/26 00:42	1

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

Date Collected: 04/27/26 11:08
Date Received: 04/29/26 09:47

Lab Sample ID: 380-210934-1

Matrix: Drinking Water
PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	<0.19		0.19		ug/L		04/30/26 09:34	05/01/26 00:42	1
Fluoranthene	<0.19		0.19		ug/L		04/30/26 09:34	05/01/26 00:42	1
Fluorene	<0.19		0.19		ug/L		04/30/26 09:34	05/01/26 00:42	1
Indeno[1,2,3-cd]pyrene	<0.19		0.19		ug/L		04/30/26 09:34	05/01/26 00:42	1
Naphthalene	<0.19		0.19		ug/L		04/30/26 09:34	05/01/26 00:42	1
Phenanthrene	<0.19		0.19		ug/L		04/30/26 09:34	05/01/26 00:42	1
Pyrene	<0.19		0.19		ug/L		04/30/26 09:34	05/01/26 00:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*69*		*28 - 127*	*04/30/26 09:34*	*05/01/26 00:42*	*1*
2-Fluorobiphenyl (Surr)	*68*		*31 - 120*	*04/30/26 09:34*	*05/01/26 00:42*	*1*
2-Fluorophenol (Surr)	*42*		*17 - 120*	*04/30/26 09:34*	*05/01/26 00:42*	*1*
Nitrobenzene-d5 (Surr)	*66*		*27 - 120*	*04/30/26 09:34*	*05/01/26 00:42*	*1*
Phenol-d6 (Surr)	*25*		*10 - 120*	*04/30/26 09:34*	*05/01/26 00:42*	*1*
p-Terphenyl-d14 (Surr)	*85*		*45 - 120*	*04/30/26 09:34*	*05/01/26 00:42*	*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*	*04/30/26 09:34*	*05/03/26 15:50*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*47*		*33 - 139*	*04/30/26 09:34*	*05/03/26 15:50*	*1*
2-Fluorobiphenyl (Surr)	*69*		*33 - 126*	*04/30/26 09:34*	*05/03/26 15:50*	*1*
2-Fluorophenol (Surr)	*44*		*12 - 120*	*04/30/26 09:34*	*05/03/26 15:50*	*1*
Nitrobenzene-d5 (Surr)	*73*		*36 - 120*	*04/30/26 09:34*	*05/03/26 15:50*	*1*
Phenol-d6 (Surr)	*24*		*10 - 120*	*04/30/26 09:34*	*05/03/26 15:50*	*1*
p-Terphenyl-d14 (Surr)	*69*		*47 - 131*	*04/30/26 09:34*	*05/03/26 15:50*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10		ug/L			05/08/26 18:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*38 - 134*		*05/08/26 18:45*	*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		04/30/26 10:04	05/04/26 18:46	1
Motor Oil Range Organics [C24-C36]	<26		26		ug/L		04/30/26 10:04	05/04/26 18:46	1
C8-C18	<26		26		ug/L		04/30/26 10:04	05/04/26 18:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*135*	*S1+*	*60 - 130*	*04/30/26 10:04*	*05/04/26 18:46*	*1*

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

Job ID: 380-210934-1
SDG: Weekly: Aiea Gulch Wells Pump 1

Client Sample ID: TB: AIEA GULCH WELLS PUMP 1 (331-201-TP071)
Date Collected: 04/27/26 11:08
Date Received: 04/29/26 09:47

Lab Sample ID: 380-210934-2
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10		ug/L			05/08/26 15:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*38 - 134*		*05/08/26 15:40*	*1*

Action Limit Summary

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

Job ID: 380-210934-1
SDG: Weekly: Aiea Gulch Wells Pump 1

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

Lab Sample ID: 380-210934-1

PWSID Number: HI0000331

Compliance Check

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

Analyte	Result	Qualifier	Unit	EPAMCL Limit	RL	Method	Prep Type
Alachlor	<0.049		ug/L	2	0.049	525.2	Total/NA
Atrazine	<0.049		ug/L	3	0.049	525.2	Total/NA
Benzo[a]pyrene	<0.019		ug/L	0.2	0.019	525.2	Total/NA
Bis(2-ethylhexyl) phthalate	<0.58		ug/L	6	0.58	525.2	Total/NA
Di(2-ethylhexyl)adipate	<0.58		ug/L	400	0.58	525.2	Total/NA
Endrin	<0.0097		ug/L	2	0.0097	525.2	Total/NA
Heptachlor	<0.0097		ug/L	0.4	0.0097	525.2	Total/NA
Heptachlor epoxide (isomer B)	<0.0097		ug/L	0.2	0.0097	525.2	Total/NA
Hexachlorobenzene	<0.049		ug/L	1	0.049	525.2	Total/NA
Hexachlorocyclopentadiene	<0.049		ug/L	50	0.049	525.2	Total/NA
Lindane	<0.0097		ug/L	0.2	0.0097	525.2	Total/NA
Methoxychlor	<0.049		ug/L	40	0.049	525.2	Total/NA
Simazine	<0.049		ug/L	4	0.049	525.2	Total/NA
Benzo[a]pyrene	<0.19		ug/L	0.2	0.19	625.1 SIM	Total/NA

Surrogate Summary

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

Job ID: 380-210934-1
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)
380-210934-1	AIEA GULCH WELLS PUMP 1 (	96	89	95
380-210934-1 DU	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	98	86	95

Surrogate Legend

2NMX = 2-Nitro-m-xylene
PRY Perylene d12
TPP = Triphenylphosphate

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

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

		Percent Surrogate Recovery (Acceptance Limits)		
		2NMX	PRY	TPP
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
380-210929-I-1-A MS	Matrix Spike	98	95	100
LCS 380-224957/23-A	Lab Control Sample	94	95	97
MB 380-224957/21-A	Method Blank	97	86	97
MRL 380-224957/22-A	Lab Control Sample	95	90	96

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)
380-210934-1	AIEA GULCH WELLS PUMP 1 (	47	69	44	73	24	69

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 570-732094/1-A	Method Blank	59	75	49	79	29	71

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)
380-210934-1	AIEA GULCH WELLS PUMP 1 (	69	68	42	66	25	85

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)
380-210938-A-1-A MS	Matrix Spike	75	82	62	73	39	87
380-210938-A-1-B MSD	Matrix Spike Duplicate	78	74	53	75	34	71
LCS 570-732094/2-A	Lab Control Sample	86	77	59	77	39	92
LCSD 570-732094/3-A	Lab Control Sample Dup	77	87	63	83	42	85
MB 570-732094/1-A	Method Blank	85	82	62	113	38	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: 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)
380-210934-1	AIEA GULCH WELLS PUMP 1 (	97

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)
		BFB1
Lab Sample ID	Client Sample ID	(38-134)
380-210934-2	TB: AIEA GULCH WELLS PUMI	97
380-210938-C-1 MS	Matrix Spike	97

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)								
380-210938-C-1 MSD	Matrix Spike Duplicate	99								
LCS 570-736059/1010	Lab Control Sample	98								
LCSD 570-736059/11	Lab Control Sample Dup	94								
MB 570-736059/12	Method Blank	100								
MRL 570-736059/1005	Lab Control Sample	97								

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)								
Lab Sample ID	Client Sample ID	OTCSN1 (60-130)								
380-210934-1	AIEA GULCH WELLS PUMP 1 (	135 S1+								

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)								
380-210938-B-1-B MS	Matrix Spike	131 S1+								
380-210938-B-1-C MSD	Matrix Spike Duplicate	129								
LCS 570-732112/2-A	Lab Control Sample	126								
LCSD 570-732112/3-A	Lab Control Sample Dup	129								
MB 570-732112/1-A	Method Blank	115								
MRL 570-732112/4-A	Lab Control Sample	115								

Surrogate Legend

OTCSN = n-Octacosane (Surr)

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

Lab Sample ID: MB 380-224957/21-A
Matrix: Water
Analysis Batch: 225251

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 224957

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.099		0.099		ug/L		05/05/26 08:12	05/06/26 13:13	1
2,4'-DDD	<0.099		0.099		ug/L		05/05/26 08:12	05/06/26 13:13	1
2,4'-DDE	<0.099		0.099		ug/L		05/05/26 08:12	05/06/26 13:13	1
2,4'-DDT	<0.099		0.099		ug/L		05/05/26 08:12	05/06/26 13:13	1
2,4-Dinitrotoluene	<0.099		0.099		ug/L		05/05/26 08:12	05/06/26 13:13	1
2,6-Dinitrotoluene	<0.099		0.099		ug/L		05/05/26 08:12	05/06/26 13:13	1
2-Methylnaphthalene	<0.099		0.099		ug/L		05/05/26 08:12	05/06/26 13:13	1
4,4'-DDD	<0.099		0.099		ug/L		05/05/26 08:12	05/06/26 13:13	1
4,4'-DDE	<0.099		0.099		ug/L		05/05/26 08:12	05/06/26 13:13	1
4,4'-DDT	<0.099		0.099		ug/L		05/05/26 08:12	05/06/26 13:13	1
Acenaphthene	<0.099		0.099		ug/L		05/05/26 08:12	05/06/26 13:13	1
Acenaphthylene	<0.099		0.099		ug/L		05/05/26 08:12	05/06/26 13:13	1
Acetochlor	<0.099		0.099		ug/L		05/05/26 08:12	05/06/26 13:13	1
Alachlor	<0.050		0.050		ug/L		05/05/26 08:12	05/06/26 13:13	1
alpha-BHC	<0.099		0.099		ug/L		05/05/26 08:12	05/06/26 13:13	1
alpha-Chlordane	<0.050		0.050		ug/L		05/05/26 08:12	05/06/26 13:13	1
Anthracene	<0.020		0.020		ug/L		05/05/26 08:12	05/06/26 13:13	1
Atrazine	<0.050		0.050		ug/L		05/05/26 08:12	05/06/26 13:13	1
Benz(a)anthracene	<0.050		0.050		ug/L		05/05/26 08:12	05/06/26 13:13	1
Benzo[a]pyrene	<0.020		0.020		ug/L		05/05/26 08:12	05/06/26 13:13	1
Benzo[b]fluoranthene	<0.020		0.020		ug/L		05/05/26 08:12	05/06/26 13:13	1
Benzo[g,h,i]perylene	<0.050		0.050		ug/L		05/05/26 08:12	05/06/26 13:13	1
Benzo[k]fluoranthene	<0.020		0.020		ug/L		05/05/26 08:12	05/06/26 13:13	1
beta-BHC	<0.099		0.099		ug/L		05/05/26 08:12	05/06/26 13:13	1
Bis(2-ethylhexyl) phthalate	<0.60		0.60		ug/L		05/05/26 08:12	05/06/26 13:13	1
Bromacil	<0.099		0.099		ug/L		05/05/26 08:12	05/06/26 13:13	1
Butachlor	<0.050		0.050		ug/L		05/05/26 08:12	05/06/26 13:13	1
Butylbenzylphthalate	<0.50		0.50		ug/L		05/05/26 08:12	05/06/26 13:13	1
Chlorobenzilate	<0.099		0.099		ug/L		05/05/26 08:12	05/06/26 13:13	1
Chloroneb	<0.099		0.099		ug/L		05/05/26 08:12	05/06/26 13:13	1
Chlorothalonil (Draconil, Bravo)	<0.099		0.099		ug/L		05/05/26 08:12	05/06/26 13:13	1
Chlorpyrifos	<0.050		0.050		ug/L		05/05/26 08:12	05/06/26 13:13	1
Chrysene	<0.020	^3+	0.020		ug/L		05/05/26 08:12	05/06/26 13:13	1
delta-BHC	<0.099		0.099		ug/L		05/05/26 08:12	05/06/26 13:13	1
Di(2-ethylhexyl)adipate	<0.60		0.60		ug/L		05/05/26 08:12	05/06/26 13:13	1
Dibenz(a,h)anthracene	<0.050		0.050		ug/L		05/05/26 08:12	05/06/26 13:13	1
Diclorvos (DDVP)	<0.050		0.050		ug/L		05/05/26 08:12	05/06/26 13:13	1
Dieldrin	<0.0099		0.0099		ug/L		05/05/26 08:12	05/06/26 13:13	1
Diethylphthalate	<0.50		0.50		ug/L		05/05/26 08:12	05/06/26 13:13	1
Dimethylphthalate	<0.50		0.50		ug/L		05/05/26 08:12	05/06/26 13:13	1
Di-n-butyl phthalate	<0.99		0.99		ug/L		05/05/26 08:12	05/06/26 13:13	1
Di-n-octyl phthalate	<0.099		0.099		ug/L		05/05/26 08:12	05/06/26 13:13	1
Endosulfan I (Alpha)	<0.099		0.099		ug/L		05/05/26 08:12	05/06/26 13:13	1
Endosulfan II (Beta)	<0.099		0.099		ug/L		05/05/26 08:12	05/06/26 13:13	1
Endosulfan sulfate	<0.099		0.099		ug/L		05/05/26 08:12	05/06/26 13:13	1
Endrin	<0.0099		0.0099		ug/L		05/05/26 08:12	05/06/26 13:13	1
Endrin aldehyde	<0.099		0.099		ug/L		05/05/26 08:12	05/06/26 13:13	1
EPTC	<0.099		0.099		ug/L		05/05/26 08:12	05/06/26 13:13	1

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

Lab Sample ID: MB 380-224957/21-A
Matrix: Water
Analysis Batch: 225251

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 224957

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	<0.099		0.099		ug/L		05/05/26 08:12	05/06/26 13:13	1
Fluorene	<0.050		0.050		ug/L		05/05/26 08:12	05/06/26 13:13	1
gamma-Chlordane	<0.050		0.050		ug/L		05/05/26 08:12	05/06/26 13:13	1
Heptachlor	<0.0099		0.0099		ug/L		05/05/26 08:12	05/06/26 13:13	1
Heptachlor epoxide (isomer B)	<0.0099		0.0099		ug/L		05/05/26 08:12	05/06/26 13:13	1
Hexachlorobenzene	<0.050		0.050		ug/L		05/05/26 08:12	05/06/26 13:13	1
Hexachlorocyclopentadiene	<0.050		0.050		ug/L		05/05/26 08:12	05/06/26 13:13	1
Indeno[1,2,3-cd]pyrene	<0.050		0.050		ug/L		05/05/26 08:12	05/06/26 13:13	1
Isophorone	<0.099		0.099		ug/L		05/05/26 08:12	05/06/26 13:13	1
Lindane	<0.0099		0.0099		ug/L		05/05/26 08:12	05/06/26 13:13	1
Malathion	<0.099		0.099		ug/L		05/05/26 08:12	05/06/26 13:13	1
Methoxychlor	<0.050		0.050		ug/L		05/05/26 08:12	05/06/26 13:13	1
Metolachlor	<0.050		0.050		ug/L		05/05/26 08:12	05/06/26 13:13	1
Molinate	<0.099		0.099		ug/L		05/05/26 08:12	05/06/26 13:13	1
Naphthalene	<0.099		0.099		ug/L		05/05/26 08:12	05/06/26 13:13	1
Parathion	<0.099		0.099		ug/L		05/05/26 08:12	05/06/26 13:13	1
Pendimethalin (Penoxaline)	<0.099		0.099		ug/L		05/05/26 08:12	05/06/26 13:13	1
Phenanthrene	<0.040		0.040		ug/L		05/05/26 08:12	05/06/26 13:13	1
Propachlor	<0.050		0.050		ug/L		05/05/26 08:12	05/06/26 13:13	1
Pyrene	<0.050		0.050		ug/L		05/05/26 08:12	05/06/26 13:13	1
Simazine	<0.050		0.050		ug/L		05/05/26 08:12	05/06/26 13:13	1
Terbacil	<0.099		0.099		ug/L		05/05/26 08:12	05/06/26 13:13	1
Terbuthylazine	<0.099		0.099		ug/L		05/05/26 08:12	05/06/26 13:13	1
Thiobencarb	<0.099		0.099		ug/L		05/05/26 08:12	05/06/26 13:13	1
Total Permethrin (mixed isomers)	<0.20		0.20		ug/L		05/05/26 08:12	05/06/26 13:13	1
trans-Nonachlor	<0.050		0.050		ug/L		05/05/26 08:12	05/06/26 13:13	1
Trifluralin	<0.099		0.099		ug/L		05/05/26 08:12	05/06/26 13:13	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Undecane	*6.12*	*T J N*	*ug/L*		*3.21*	*1120-21-4*	*05/05/26 08:12*	*05/06/26 13:13*	*1*
9-Octadecenamide, (Z)-	*0.997*	*T J N*	*ug/L*		*8.02*	*301-02-0*	*05/05/26 08:12*	*05/06/26 13:13*	*1*
13-Docosenamide, (Z)-	*0.560*	*T J N*	*ug/L*		*10.58*	*112-84-5*	*05/05/26 08:12*	*05/06/26 13:13*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*97*		*70 - 130*	*05/05/26 08:12*	*05/06/26 13:13*	*1*
Perylene-d12	*86*		*70 - 130*	*05/05/26 08:12*	*05/06/26 13:13*	*1*
Triphenylphosphate	*97*		*70 - 130*	*05/05/26 08:12*	*05/06/26 13:13*	*1*

Lab Sample ID: LCS 380-224957/23-A
Matrix: Water
Analysis Batch: 225251

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 224957

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1-Methylnaphthalene			1.99	2.00		ug/L		100	70 - 130		
2,4'-DDD			1.99	1.94		ug/L		97	70 - 130		
2,4'-DDE			1.99	2.03		ug/L		102	70 - 130		
2,4'-DDT			1.99	1.95		ug/L		98	70 - 130		
2,4-Dinitrotoluene			1.99	2.07		ug/L		104	70 - 130		

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

Lab Sample ID: LCS 380-224957/23-A
Matrix: Water
Analysis Batch: 225251

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 224957

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,6-Dinitrotoluene	1.99	2.00		ug/L		100	70 - 130
2-Methylnaphthalene	1.99	2.01		ug/L		101	70 - 130
4,4'-DDD	1.99	2.07		ug/L		104	70 - 130
4,4'-DDE	1.99	2.04		ug/L		103	70 - 130
4,4'-DDT	1.99	2.06		ug/L		104	70 - 130
Acenaphthene	1.99	2.08		ug/L		105	70 - 130
Acenaphthylene	1.99	1.99		ug/L		100	70 - 130
Acetochlor	1.99	2.13		ug/L		107	70 - 130
Alachlor	1.99	2.16		ug/L		109	70 - 130
alpha-BHC	1.99	2.05		ug/L		103	70 - 130
alpha-Chlordane	1.99	2.02		ug/L		101	70 - 130
Anthracene	1.99	2.21		ug/L		111	70 - 130
Atrazine	1.99	2.02		ug/L		102	70 - 130
Benz(a)anthracene	1.99	2.12		ug/L		106	70 - 130
Benzo[a]pyrene	1.99	2.02		ug/L		101	70 - 130
Benzo[b]fluoranthene	1.99	2.23		ug/L		112	70 - 130
Benzo[g,h,i]perylene	1.99	2.13		ug/L		107	70 - 130
Benzo[k]fluoranthene	1.99	2.20		ug/L		111	70 - 130
beta-BHC	1.99	2.12		ug/L		106	70 - 130
Bis(2-ethylhexyl) phthalate	1.99	2.18		ug/L		110	70 - 130
Bromacil	1.99	1.85		ug/L		93	70 - 130
Butachlor	1.99	2.17		ug/L		109	70 - 130
Butylbenzylphthalate	1.99	2.19		ug/L		110	70 - 130
Chlorobenzilate	1.99	2.15		ug/L		108	70 - 130
Chloroneb	1.99	2.05		ug/L		103	70 - 130
Chlorothalonil (Draconil, Bravo)	1.99	2.03		ug/L		102	70 - 130
Chlorpyrifos	1.99	1.94		ug/L		98	70 - 130
Chrysene	1.99	2.08		ug/L		105	70 - 130
delta-BHC	1.99	2.11		ug/L		106	70 - 130
Di(2-ethylhexyl)adipate	1.99	2.13		ug/L		107	70 - 130
Dibenz(a,h)anthracene	1.99	2.08		ug/L		105	70 - 130
Diclorvos (DDVP)	1.99	2.00		ug/L		101	70 - 130
Dieldrin	1.99	2.14		ug/L		108	70 - 130
Diethylphthalate	1.99	2.15		ug/L		108	70 - 130
Dimethylphthalate	1.99	2.09		ug/L		105	70 - 130
Di-n-butyl phthalate	3.98	4.35		ug/L		109	70 - 130
Di-n-octyl phthalate	1.99	2.07		ug/L		104	70 - 130
Endosulfan I (Alpha)	1.99	2.02		ug/L		101	70 - 130
Endosulfan II (Beta)	1.99	2.06		ug/L		104	70 - 130
Endosulfan sulfate	1.99	1.99		ug/L		100	70 - 130
Endrin	1.99	2.25		ug/L		113	70 - 130
Endrin aldehyde	1.99	2.08		ug/L		105	60 - 130
EPTC	1.99	2.00		ug/L		101	70 - 130
Fluoranthene	1.99	2.03		ug/L		102	70 - 130
Fluorene	1.99	2.09		ug/L		105	70 - 130
gamma-Chlordane	1.99	2.14		ug/L		108	70 - 130
Heptachlor	1.99	2.00		ug/L		100	70 - 130
Heptachlor epoxide (isomer B)	1.99	2.11		ug/L		106	70 - 130
Hexachlorobenzene	1.99	1.97		ug/L		99	70 - 130

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

Lab Sample ID: LCS 380-224957/23-A
Matrix: Water
Analysis Batch: 225251

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 224957

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Hexachlorocyclopentadiene	1.99	1.69		ug/L		85	70 - 130
Indeno[1,2,3-cd]pyrene	1.99	2.15		ug/L		108	70 - 130
Isophorone	1.99	2.05		ug/L		103	70 - 130
Lindane	1.99	2.09		ug/L		105	70 - 130
Malathion	1.99	2.09		ug/L		105	70 - 130
Methoxychlor	1.99	2.33		ug/L		117	70 - 130
Metolachlor	1.99	2.16		ug/L		109	70 - 130
Molinate	1.99	2.01		ug/L		101	70 - 130
Naphthalene	1.99	1.93		ug/L		97	70 - 130
Parathion	1.99	2.18		ug/L		110	70 - 130
Pendimethalin (Penoxaline)	1.99	1.90		ug/L		95	70 - 130
Phenanthrene	1.99	2.13		ug/L		107	70 - 130
Propachlor	1.99	2.11		ug/L		106	70 - 130
Pyrene	1.99	2.06		ug/L		103	70 - 130
Simazine	1.99	2.00		ug/L		100	70 - 130
Terbacil	1.99	2.06		ug/L		104	70 - 130
Terbuthylazine	1.99	2.04		ug/L		103	70 - 130
Thiobencarb	1.99	2.11		ug/L		106	70 - 130
trans-Nonachlor	1.99	1.95		ug/L		98	70 - 130
Trifluralin	1.99	1.84		ug/L		93	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Nitro-m-xylene	*94*		*70 - 130*
Perylene-d12	*95*		*70 - 130*
Triphenylphosphate	*97*		*70 - 130*

Lab Sample ID: MRL 380-224957/22-A
Matrix: Water
Analysis Batch: 225251

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 224957

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	0.0995	0.121		ug/L		122	50 - 150
2,4'-DDD	0.0995	0.110		ug/L		111	50 - 150
2,4'-DDE	0.0995	0.117		ug/L		117	50 - 150
2,4'-DDT	0.0995	0.126		ug/L		126	50 - 150
2,4-Dinitrotoluene	0.0995	0.117		ug/L		118	50 - 150
2,6-Dinitrotoluene	0.0995	0.131		ug/L		132	50 - 150
2-Methylnaphthalene	0.0995	0.114		ug/L		114	50 - 150
4,4'-DDD	0.0995	0.122		ug/L		122	50 - 150
4,4'-DDE	0.0995	0.124		ug/L		124	50 - 150
4,4'-DDT	0.0995	0.130		ug/L		131	50 - 150
Acenaphthene	0.0995	0.111		ug/L		111	50 - 150
Acenaphthylene	0.0995	0.106		ug/L		107	50 - 150
Acetochlor	0.0995	0.137		ug/L		138	50 - 150
Alachlor	0.0497	0.0657		ug/L		132	50 - 150
alpha-BHC	0.0995	0.120		ug/L		121	50 - 150
alpha-Chlordane	0.0249	0.0321	J	ug/L		129	50 - 150
Anthracene	0.0199	0.0275		ug/L		138	50 - 150

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

Lab Sample ID: MRL 380-224957/22-A
Matrix: Water
Analysis Batch: 225251

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 224957

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Atrazine	0.0497	0.0602		ug/L		121	50 - 150
Benz(a)anthracene	0.0497	0.0573		ug/L		115	50 - 150
Benzo[a]pyrene	0.0199	0.0249		ug/L		125	50 - 150
Benzo[b]fluoranthene	0.0199	0.0245		ug/L		123	50 - 150
Benzo[g,h,i]perylene	0.0497	0.0516		ug/L		104	50 - 150
Benzo[k]fluoranthene	0.0199	0.0238		ug/L		120	50 - 150
beta-BHC	0.0995	0.125		ug/L		126	50 - 150
Bis(2-ethylhexyl) phthalate	0.597	0.711		ug/L		119	50 - 150
Bromacil	0.0995	0.115		ug/L		116	50 - 150
Butachlor	0.0497	0.0675		ug/L		136	50 - 150
Butylbenzylphthalate	0.497	0.628		ug/L		126	50 - 150
Chlorobenzilate	0.0995	0.124		ug/L		125	50 - 150
Chloroneb	0.0995	0.117		ug/L		117	50 - 150
Chlorothalonil (Draconil, Bravo)	0.0995	0.106		ug/L		106	50 - 150
Chlorpyrifos	0.0497	0.0650		ug/L		131	50 - 150
Chrysene	0.0199	0.0329	^3+	ug/L		165	50 - 150
delta-BHC	0.0995	0.126		ug/L		126	50 - 150
Di(2-ethylhexyl)adipate	0.597	0.733		ug/L		123	50 - 150
Dibenz(a,h)anthracene	0.0497	0.0527		ug/L		106	50 - 150
Diclorvos (DDVP)	0.0497	0.0568		ug/L		114	50 - 150
Dieldrin	0.00995	0.0135		ug/L		136	50 - 150
Diethylphthalate	0.497	0.584		ug/L		117	50 - 150
Dimethylphthalate	0.497	0.573		ug/L		115	50 - 150
Di-n-butyl phthalate	0.497	0.620	J	ug/L		125	49 - 243
Di-n-octyl phthalate	0.0995	0.101		ug/L		102	50 - 150
Endosulfan I (Alpha)	0.0995	0.103		ug/L		103	50 - 150
Endosulfan II (Beta)	0.0995	0.136		ug/L		137	50 - 150
Endosulfan sulfate	0.0995	0.115		ug/L		116	50 - 150
Endrin	0.00995	0.0147		ug/L		147	50 - 150
Endrin aldehyde	0.0995	0.138		ug/L		138	50 - 150
EPTC	0.0995	0.112		ug/L		112	50 - 150
Fluoranthene	0.0995	0.124		ug/L		125	50 - 150
Fluorene	0.0497	0.0597		ug/L		120	50 - 150
gamma-Chlordane	0.0249	0.0311	J	ug/L		125	50 - 150
Heptachlor	0.00995	0.0130		ug/L		131	50 - 150
Heptachlor epoxide (isomer B)	0.00995	0.0128		ug/L		129	50 - 150
Hexachlorobenzene	0.0497	0.0549		ug/L		110	50 - 150
Hexachlorocyclopentadiene	0.0497	0.0510		ug/L		103	50 - 150
Indeno[1,2,3-cd]pyrene	0.0497	0.0500		ug/L		100	50 - 150
Isophorone	0.0995	0.133		ug/L		133	50 - 150
Lindane	0.00995	0.0146		ug/L		147	50 - 150
Malathion	0.0995	0.120		ug/L		120	50 - 150
Methoxychlor	0.0497	0.0670		ug/L		135	50 - 150
Metolachlor	0.0497	0.0654		ug/L		132	50 - 150
Molinate	0.0995	0.122		ug/L		123	50 - 150
Naphthalene	0.0995	0.110		ug/L		111	50 - 150
Parathion	0.0995	0.107		ug/L		107	50 - 150
Pendimethalin (Penoxaline)	0.0995	0.101		ug/L		101	50 - 150
Phenanthrene	0.0398	0.0535		ug/L		134	50 - 150

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

Lab Sample ID: MRL 380-224957/22-A
Matrix: Water
Analysis Batch: 225251

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 224957

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Propachlor	0.0497	0.0637		ug/L		128	50 - 150
Pyrene	0.0497	0.0630		ug/L		127	50 - 150
Simazine	0.0497	0.0613		ug/L		123	50 - 150
Terbacil	0.0995	0.123		ug/L		124	50 - 150
Terbuthylazine	0.0995	0.122		ug/L		122	50 - 150
Thiobencarb	0.0995	0.128		ug/L		128	50 - 150
trans-Nonachlor	0.0249	0.0309	J	ug/L		124	50 - 150
Trifluralin	0.0995	0.105		ug/L		105	50 - 150

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
2-Nitro-m-xylene	*95*		*70 - 130*
Perylene-d12	*90*		*70 - 130*
Triphenylphosphate	*96*		*70 - 130*

Lab Sample ID: 380-210929-I-1-A MS
Matrix: Water
Analysis Batch: 225251

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 224957

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.097		1.94	1.96		ug/L		101	70 - 130
2,4'-DDD	<0.097		1.94	1.92		ug/L		99	70 - 130
2,4'-DDE	<0.097		1.94	1.96		ug/L		101	70 - 130
2,4'-DDT	<0.097		1.94	1.85		ug/L		96	70 - 130
2,4-Dinitrotoluene	<0.097		1.94	1.99		ug/L		103	70 - 130
2,6-Dinitrotoluene	<0.097		1.94	1.98		ug/L		102	70 - 130
2-Methylnaphthalene	<0.097		1.94	1.96		ug/L		101	70 - 130
4,4'-DDD	<0.097		1.94	2.04		ug/L		105	70 - 130
4,4'-DDE	<0.097		1.94	1.94		ug/L		100	70 - 130
4,4'-DDT	<0.097		1.94	1.93		ug/L		100	70 - 130
Acenaphthene	<0.097		1.94	2.02		ug/L		104	70 - 130
Acenaphthylene	<0.097		1.94	1.94		ug/L		100	70 - 130
Acetochlor	<0.097		1.94	2.14		ug/L		111	70 - 130
Alachlor	<0.049		1.94	2.20		ug/L		114	70 - 130
alpha-BHC	<0.097		1.94	2.02		ug/L		104	70 - 130
alpha-Chlordane	<0.049		1.94	2.03		ug/L		104	70 - 130
Anthracene	<0.019		1.94	1.43		ug/L		74	70 - 130
Atrazine	<0.049		1.94	1.96		ug/L		101	70 - 130
Benz(a)anthracene	<0.049		1.94	1.96		ug/L		101	70 - 130
Benzo[a]pyrene	<0.019		1.94	1.73		ug/L		89	70 - 130
Benzo[b]fluoranthene	<0.019		1.94	2.11		ug/L		109	70 - 130
Benzo[g,h,i]perylene	<0.049		1.94	2.02		ug/L		104	70 - 130
Benzo[k]fluoranthene	<0.019		1.94	2.13		ug/L		110	70 - 130
beta-BHC	<0.097		1.94	2.08		ug/L		108	70 - 130
Bis(2-ethylhexyl) phthalate	<0.58		1.94	1.91		ug/L		99	70 - 130
Bromacil	<0.097		1.94	1.83		ug/L		94	70 - 130
Butachlor	<0.049		1.94	2.17		ug/L		112	70 - 130
Butylbenzylphthalate	<0.49		1.94	2.20		ug/L		114	70 - 130
Chlorobenzilate	<0.097		1.94	2.15		ug/L		111	70 - 130

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

Lab Sample ID: 380-210929-I-1-A MS
Matrix: Water
Analysis Batch: 225251

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 224957

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloroneb	<0.097		1.94	2.02		ug/L		104	70 - 130
Chlorothalonil (Draconil, Bravo)	<0.097		1.94	2.01		ug/L		104	70 - 130
Chlorpyrifos	<0.049		1.94	1.93		ug/L		100	70 - 130
Chrysene	<0.019	^3+	1.94	1.99		ug/L		103	70 - 130
delta-BHC	<0.097		1.94	2.08		ug/L		107	70 - 130
Di(2-ethylhexyl)adipate	<0.58		1.94	1.97		ug/L		102	70 - 130
Dibenz(a,h)anthracene	<0.049		1.94	1.99		ug/L		103	70 - 130
Diclorvos (DDVP)	<0.049		1.94	1.96		ug/L		101	70 - 130
Dieldrin	0.028		1.94	2.17		ug/L		111	70 - 130
Diethylphthalate	<0.49		1.94	2.11		ug/L		109	70 - 130
Dimethylphthalate	<0.49		1.94	2.06		ug/L		107	70 - 130
Di-n-butyl phthalate	<0.97		3.87	4.35		ug/L		112	70 - 130
Di-n-octyl phthalate	<0.097		1.94	1.76		ug/L		91	70 - 130
Endosulfan I (Alpha)	<0.097		1.94	2.02		ug/L		104	70 - 130
Endosulfan II (Beta)	<0.097		1.94	2.08		ug/L		107	70 - 130
Endosulfan sulfate	<0.097		1.94	2.02		ug/L		105	70 - 130
Endrin	<0.0097		1.94	2.26		ug/L		117	70 - 130
Endrin aldehyde	<0.097		1.94	1.86		ug/L		96	60 - 130
EPTC	<0.097		1.94	2.00		ug/L		104	70 - 130
Fluoranthene	<0.097		1.94	1.96		ug/L		101	70 - 130
Fluorene	<0.049		1.94	2.05		ug/L		106	70 - 130
gamma-Chlordane	<0.049		1.94	2.10		ug/L		108	70 - 130
Heptachlor	<0.0097		1.94	2.00		ug/L		103	70 - 130
Heptachlor epoxide (isomer B)	<0.0097		1.94	2.13		ug/L		110	70 - 130
Hexachlorobenzene	<0.049		1.94	1.89		ug/L		98	70 - 130
Hexachlorocyclopentadiene	<0.049		1.94	1.66		ug/L		86	70 - 130
Indeno[1,2,3-cd]pyrene	<0.049		1.94	2.11		ug/L		109	70 - 130
Isophorone	<0.097		1.94	2.08		ug/L		107	70 - 130
Lindane	<0.0097		1.94	2.07		ug/L		107	70 - 130
Malathion	<0.097		1.94	2.08		ug/L		107	70 - 130
Methoxychlor	<0.049		1.94	2.24		ug/L		116	70 - 130
Metolachlor	<0.049		1.94	2.17		ug/L		112	70 - 130
Molinate	<0.097		1.94	2.02		ug/L		104	70 - 130
Naphthalene	<0.097		1.94	1.89		ug/L		98	70 - 130
Parathion	<0.097		1.94	2.14		ug/L		111	70 - 130
Pendimethalin (Penoxaline)	<0.097		1.94	1.86		ug/L		96	70 - 130
Phenanthrene	<0.039		1.94	2.08		ug/L		107	70 - 130
Propachlor	<0.049		1.94	2.06		ug/L		107	70 - 130
Pyrene	<0.049		1.94	1.98		ug/L		103	70 - 130
Simazine	<0.049		1.94	1.95		ug/L		101	70 - 130
Terbacil	<0.097		1.94	2.03		ug/L		105	70 - 130
Terbuthylazine	<0.097		1.94	2.01		ug/L		104	70 - 130
Thiobencarb	<0.097		1.94	2.07		ug/L		107	70 - 130
trans-Nonachlor	<0.049		1.94	1.94		ug/L		100	70 - 130
Trifluralin	<0.097		1.94	1.85		ug/L		96	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Nitro-m-xylene	*98*		*70 - 130*

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

Lab Sample ID: 380-210929-I-1-A MS
Matrix: Water
Analysis Batch: 225251

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 224957

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Perylene-d12	*95*		*70 - 130*
Triphenylphosphate	*100*		*70 - 130*

Lab Sample ID: 380-210934-1 DU
Matrix: Drinking Water
Analysis Batch: 225251

Client Sample ID: AIEA GULCH WELLS PUMP 1 (331-201-TP071)
Prep Type: Total/NA
Prep Batch: 224957

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
1-Methylnaphthalene	<0.097		<0.097		ug/L		NC	20
2,4'-DDD	<0.097		<0.097		ug/L		NC	20
2,4'-DDE	<0.097		<0.097		ug/L		NC	20
2,4'-DDT	<0.097		<0.097		ug/L		NC	20
2,4-Dinitrotoluene	<0.097		<0.097		ug/L		NC	20
2,6-Dinitrotoluene	<0.097		<0.097		ug/L		NC	20
2-Methylnaphthalene	<0.097		<0.097		ug/L		NC	20
4,4'-DDD	<0.097		<0.097		ug/L		NC	20
4,4'-DDE	<0.097		<0.097		ug/L		NC	20
4,4'-DDT	<0.097		<0.097		ug/L		NC	20
Acenaphthene	<0.097		<0.097		ug/L		NC	20
Acenaphthylene	<0.097		<0.097		ug/L		NC	20
Acetochlor	<0.097		<0.097		ug/L		NC	20
Alachlor	<0.049		<0.049		ug/L		NC	20
alpha-BHC	<0.097		<0.097		ug/L		NC	20
alpha-Chlordane	<0.049		<0.049		ug/L		NC	20
Anthracene	<0.019		<0.019		ug/L		NC	20
Atrazine	<0.049		<0.049		ug/L		NC	20
Benz(a)anthracene	<0.049		<0.049		ug/L		NC	20
Benzo[a]pyrene	<0.019		<0.019		ug/L		NC	20
Benzo[b]fluoranthene	<0.019		<0.019		ug/L		NC	20
Benzo[g,h,i]perylene	<0.049		<0.049		ug/L		NC	20
Benzo[k]fluoranthene	<0.019		<0.019		ug/L		NC	20
beta-BHC	<0.097		<0.097		ug/L		NC	20
Bis(2-ethylhexyl) phthalate	<0.58		<0.58		ug/L		NC	20
Bromacil	<0.097		<0.097		ug/L		NC	20
Butachlor	<0.049		<0.049		ug/L		NC	20
Butylbenzylphthalate	<0.49		<0.49		ug/L		NC	20
Chlorobenzilate	<0.097		<0.097		ug/L		NC	20
Chloroneb	<0.097		<0.097		ug/L		NC	20
Chlorothalonil (Draconil, Bravo)	<0.097		<0.097		ug/L		NC	20
Chlorpyrifos	<0.049		<0.049		ug/L		NC	20
Chrysene	<0.019	^3+	<0.019		ug/L		NC	20
delta-BHC	<0.097		<0.097		ug/L		NC	20
Di(2-ethylhexyl)adipate	<0.58		<0.58		ug/L		NC	20
Dibenz(a,h)anthracene	<0.049		<0.049		ug/L		NC	20
Diclorvos (DDVP)	<0.049		<0.049		ug/L		NC	20
Dieldrin	<0.0097		<0.0097		ug/L		NC	20
Diethylphthalate	<0.49		<0.49		ug/L		NC	20
Dimethylphthalate	<0.49		<0.49		ug/L		NC	20

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

Lab Sample ID: 380-210934-1 DU
Matrix: Drinking Water
Analysis Batch: 225251

Client Sample ID: AIEA GULCH WELLS PUMP 1 (331-201-TP071)
Prep Type: Total/NA
Prep Batch: 224957

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Di-n-butyl phthalate	<0.97			<0.97		ug/L				NC	20
Di-n-octyl phthalate	<0.097			<0.097		ug/L				NC	20
Endosulfan I (Alpha)	<0.097			<0.097		ug/L				NC	20
Endosulfan II (Beta)	<0.097			<0.097		ug/L				NC	20
Endosulfan sulfate	<0.097			<0.097		ug/L				NC	20
Endrin	<0.0097			<0.0097		ug/L				NC	20
Endrin aldehyde	<0.097			<0.097		ug/L				NC	20
EPTC	<0.097			<0.097		ug/L				NC	20
Fluoranthene	<0.097			<0.097		ug/L				NC	20
Fluorene	<0.049			<0.049		ug/L				NC	20
gamma-Chlordane	<0.049			<0.049		ug/L				NC	20
Heptachlor	<0.0097			<0.0097		ug/L				NC	20
Heptachlor epoxide (isomer B)	<0.0097			<0.0097		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	<0.097			<0.097		ug/L				NC	20
Lindane	<0.0097			<0.0097		ug/L				NC	20
Malathion	<0.097			<0.097		ug/L				NC	20
Methoxychlor	<0.049			<0.049		ug/L				NC	20
Metolachlor	<0.049			<0.049		ug/L				NC	20
Molinate	<0.097			<0.097		ug/L				NC	20
Naphthalene	<0.097			<0.097		ug/L				NC	20
Parathion	<0.097			<0.097		ug/L				NC	20
Pendimethalin (Penoxaline)	<0.097			<0.097		ug/L				NC	20
Phenanthrene	<0.039			<0.039		ug/L				NC	20
Propachlor	<0.049			<0.049		ug/L				NC	20
Pyrene	<0.049			<0.049		ug/L				NC	20
Simazine	<0.049			<0.049		ug/L				NC	20
Terbacil	<0.097			<0.097		ug/L				NC	20
Terbuthylazine	<0.097			<0.097		ug/L				NC	20
Thiobencarb	<0.097			<0.097		ug/L				NC	20
Total Permethrin (mixed isomers)	<0.19			<0.19		ug/L				NC	20
trans-Nonachlor	<0.049			<0.049		ug/L				NC	20
Trifluralin	<0.097			<0.097		ug/L				NC	20

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
2-Nitro-m-xylene	*98*		*70 - 130*
Perylene-d12	*86*		*70 - 130*
Triphenylphosphate	*95*		*70 - 130*

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

Lab Sample ID: MB 570-732094/1-A
Matrix: Water
Analysis Batch: 733448

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 732094

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	04/30/26 09:27	05/03/26 14:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	59		33 - 139	04/30/26 09:27	05/03/26 14:37	1
2-Fluorobiphenyl (Surr)	75		33 - 126	04/30/26 09:27	05/03/26 14:37	1
2-Fluorophenol (Surr)	49		12 - 120	04/30/26 09:27	05/03/26 14:37	1
Nitrobenzene-d5 (Surr)	79		36 - 120	04/30/26 09:27	05/03/26 14:37	1
Phenol-d6 (Surr)	29		10 - 120	04/30/26 09:27	05/03/26 14:37	1
p-Terphenyl-d14 (Surr)	71		47 - 131	04/30/26 09:27	05/03/26 14:37	1

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

Lab Sample ID: MB 570-732094/1-A
Matrix: Water
Analysis Batch: 732462

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 732094

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.20		0.20		ug/L		04/30/26 09:27	04/30/26 22:05	1
2-Methylnaphthalene	<0.20		0.20		ug/L		04/30/26 09:27	04/30/26 22:05	1
Acenaphthene	<0.20		0.20		ug/L		04/30/26 09:27	04/30/26 22:05	1
Acenaphthylene	<0.20		0.20		ug/L		04/30/26 09:27	04/30/26 22:05	1
Anthracene	<0.20		0.20		ug/L		04/30/26 09:27	04/30/26 22:05	1
Benzo[a]anthracene	<0.20		0.20		ug/L		04/30/26 09:27	04/30/26 22:05	1
Benzo[a]pyrene	<0.20		0.20		ug/L		04/30/26 09:27	04/30/26 22:05	1
Benzo[b]fluoranthene	<0.20		0.20		ug/L		04/30/26 09:27	04/30/26 22:05	1
Benzo[g,h,i]perylene	<0.20		0.20		ug/L		04/30/26 09:27	04/30/26 22:05	1
Benzo[k]fluoranthene	<0.20		0.20		ug/L		04/30/26 09:27	04/30/26 22:05	1
Chrysene	<0.20		0.20		ug/L		04/30/26 09:27	04/30/26 22:05	1
Dibenz(a,h)anthracene	<0.20		0.20		ug/L		04/30/26 09:27	04/30/26 22:05	1
Fluoranthene	<0.20		0.20		ug/L		04/30/26 09:27	04/30/26 22:05	1
Fluorene	<0.20		0.20		ug/L		04/30/26 09:27	04/30/26 22:05	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20		ug/L		04/30/26 09:27	04/30/26 22:05	1
Naphthalene	<0.20		0.20		ug/L		04/30/26 09:27	04/30/26 22:05	1
Phenanthrene	<0.20		0.20		ug/L		04/30/26 09:27	04/30/26 22:05	1
Pyrene	<0.20		0.20		ug/L		04/30/26 09:27	04/30/26 22:05	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	85		28 - 127	04/30/26 09:27	04/30/26 22:05	1
2-Fluorobiphenyl (Surr)	82		31 - 120	04/30/26 09:27	04/30/26 22:05	1
2-Fluorophenol (Surr)	62		17 - 120	04/30/26 09:27	04/30/26 22:05	1
Nitrobenzene-d5 (Surr)	113		27 - 120	04/30/26 09:27	04/30/26 22:05	1
Phenol-d6 (Surr)	38		10 - 120	04/30/26 09:27	04/30/26 22:05	1
p-Terphenyl-d14 (Surr)	84		45 - 120	04/30/26 09:27	04/30/26 22:05	1

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

Lab Sample ID: LCS 570-732094/2-A
Matrix: Water
Analysis Batch: 732462

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 732094

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	20.0	14.7		ug/L		74	47 - 120
2-Methylnaphthalene	20.0	12.2		ug/L		61	43 - 120
Acenaphthene	20.0	17.1		ug/L		85	60 - 132
Acenaphthylene	20.0	17.2		ug/L		86	54 - 126
Anthracene	20.0	17.7		ug/L		89	43 - 120
Benzo[a]anthracene	20.0	19.8		ug/L		99	42 - 133
Benzo[a]pyrene	20.0	18.8		ug/L		94	32 - 148
Benzo[b]fluoranthene	20.0	20.3		ug/L		102	42 - 140
Benzo[g,h,i]perylene	20.0	18.5		ug/L		93	1 - 195
Benzo[k]fluoranthene	20.0	20.6		ug/L		103	25 - 146
Chrysene	20.0	19.6		ug/L		98	44 - 140
Dibenz(a,h)anthracene	20.0	22.4		ug/L		112	1 - 200
Fluoranthene	20.0	19.0		ug/L		95	43 - 121
Fluorene	20.0	17.1		ug/L		86	70 - 120
Indeno[1,2,3-cd]pyrene	20.0	22.2		ug/L		111	1 - 151
Naphthalene	20.0	14.2		ug/L		71	36 - 120
Phenanthrene	20.0	17.6		ug/L		88	65 - 120
Pyrene	20.0	21.5		ug/L		107	70 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*86*		*28 - 127*
2-Fluorobiphenyl (Surr)	*77*		*31 - 120*
2-Fluorophenol (Surr)	*59*		*17 - 120*
Nitrobenzene-d5 (Surr)	*77*		*27 - 120*
Phenol-d6 (Surr)	*39*		*10 - 120*
p-Terphenyl-d14 (Surr)	*92*		*45 - 120*

Lab Sample ID: LCSD 570-732094/3-A
Matrix: Water
Analysis Batch: 732462

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 732094

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	20.0	17.5		ug/L		87	47 - 120	17	20
2-Methylnaphthalene	20.0	15.1	*1	ug/L		75	43 - 120	21	20
Acenaphthene	20.0	16.9		ug/L		84	60 - 132	1	29
Acenaphthylene	20.0	16.7		ug/L		83	54 - 126	3	45
Anthracene	20.0	17.2		ug/L		86	43 - 120	3	40
Benzo[a]anthracene	20.0	18.4		ug/L		92	42 - 133	7	32
Benzo[a]pyrene	20.0	17.6		ug/L		88	32 - 148	6	43
Benzo[b]fluoranthene	20.0	17.5		ug/L		87	42 - 140	15	43
Benzo[g,h,i]perylene	20.0	15.5		ug/L		78	1 - 195	18	61
Benzo[k]fluoranthene	20.0	17.5		ug/L		87	25 - 146	17	38
Chrysene	20.0	17.6		ug/L		88	44 - 140	11	53
Dibenz(a,h)anthracene	20.0	18.0		ug/L		90	1 - 200	22	75
Fluoranthene	20.0	18.2		ug/L		91	43 - 121	4	40
Fluorene	20.0	19.0		ug/L		95	70 - 120	11	23
Indeno[1,2,3-cd]pyrene	20.0	18.4		ug/L		92	1 - 151	18	60
Naphthalene	20.0	14.3		ug/L		72	36 - 120	1	39

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

Lab Sample ID: LCSD 570-732094/3-A
Matrix: Water
Analysis Batch: 732462

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 732094

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phenanthrene			20.0	16.8		ug/L		84	65 - 120	5	24
Pyrene			20.0	17.0		ug/L		85	70 - 120	23	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*77*		*28 - 127*
2-Fluorobiphenyl (Surr)	*87*		*31 - 120*
2-Fluorophenol (Surr)	*63*		*17 120*
Nitrobenzene-d5 (Surr)	*83*		*27 - 120*
Phenol-d6 (Surr)	*42*		*10 - 120*
p-Terphenyl-d14 (Surr)	*85*		*45 - 120*

Lab Sample ID: 380-210938-A-1-A MS
Matrix: Water
Analysis Batch: 732462

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 732094

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.19		19.2	12.8		ug/L		67	36 - 120
2-Methylnaphthalene	<0.19	*1	19.2	11.0		ug/L		57	32 - 124
Acenaphthene	<0.19		19.2	17.0		ug/L		89	47 - 145
Acenaphthylene	<0.19		19.2	17.3		ug/L		90	33 - 145
Anthracene	<0.19		19.2	17.5		ug/L		91	27 - 133
Benzo[a]anthracene	<0.19		19.2	18.6		ug/L		97	33 - 143
Benzo[a]pyrene	<0.19		19.2	14.8		ug/L		77	17 - 163
Benzo[b]fluoranthene	<0.19		19.2	18.1		ug/L		95	24 - 159
Benzo[g,h,i]perylene	<0.19		19.2	19.5		ug/L		102	1 - 219
Benzo[k]fluoranthene	<0.19		19.2	17.0		ug/L		89	11 - 162
Chrysene	<0.19		19.2	18.0		ug/L		94	17 - 168
Dibenz(a,h)anthracene	<0.19		19.2	22.5		ug/L		117	1 - 227
Fluoranthene	<0.19		19.2	18.5		ug/L		96	26 - 137
Fluorene	<0.19		19.2	17.9		ug/L		93	59 - 121
Indeno[1,2,3-cd]pyrene	<0.19		19.2	22.4		ug/L		117	1 - 171
Naphthalene	<0.19		19.2	14.2		ug/L		74	21 - 133
Phenanthrene	<0.19		19.2	17.2		ug/L		89	54 - 120
Pyrene	<0.19		19.2	16.9		ug/L		88	52 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*75*		*28 - 127*
2-Fluorobiphenyl (Surr)	*82*		*31 - 120*
2-Fluorophenol (Surr)	*62*		*17 - 120*
Nitrobenzene-d5 (Surr)	*73*		*27 - 120*
Phenol-d6 (Surr)	*39*		*10 - 120*
p-Terphenyl-d14 (Surr)	*87*		*45 - 120*

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

Lab Sample ID: 380-210938-A-1-B MSD
Matrix: Water
Analysis Batch: 732462

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 732094

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	<0.19		19.2	16.5		ug/L		86	36 - 120	25	30
2-Methylnaphthalene	<0.19	*1	19.2	14.2		ug/L		74	32 - 124	26	30
Acenaphthene	<0.19		19.2	14.9		ug/L		78	47 - 145	13	48
Acenaphthylene	<0.19		19.2	15.5		ug/L		81	33 - 145	11	74
Anthracene	<0.19		19.2	15.5		ug/L		81	27 - 133	12	66
Benzo[a]anthracene	<0.19		19.2	16.4		ug/L		85	33 - 143	13	53
Benzo[a]pyrene	<0.19		19.2	12.6		ug/L		66	17 - 163	16	72
Benzo[b]fluoranthene	<0.19		19.2	16.0		ug/L		83	24 - 159	13	71
Benzo[g,h,i]perylene	<0.19		19.2	16.9		ug/L		88	1 - 219	14	97
Benzo[k]fluoranthene	<0.19		19.2	15.0		ug/L		78	11 - 162	13	63
Chrysene	<0.19		19.2	15.8		ug/L		83	17 - 168	13	87
Dibenz(a,h)anthracene	<0.19		19.2	20.2		ug/L		105	1 - 227	11	126
Fluoranthene	<0.19		19.2	16.4		ug/L		86	26 - 137	12	66
Fluorene	<0.19		19.2	14.6		ug/L		76	59 - 121	20	38
Indeno[1,2,3-cd]pyrene	<0.19		19.2	20.1		ug/L		105	1 - 171	11	99
Naphthalene	<0.19		19.2	12.7		ug/L		66	21 - 133	11	65
Phenanthrene	<0.19		19.2	15.3		ug/L		80	54 - 120	12	39
Pyrene	<0.19		19.2	14.0		ug/L		73	52 - 120	19	49

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*78*		*28 - 127*
2-Fluorobiphenyl (Surr)	*74*		*31 - 120*
2-Fluorophenol (Surr)	*53*		*17 - 120*
Nitrobenzene-d5 (Surr)	*75*		*27 - 120*
Phenol-d6 (Surr)	*34*		*10 - 120*
p-Terphenyl-d14 (Surr)	*71*		*45 - 120*

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

Lab Sample ID: MB 570-736059/12
Matrix: Water
Analysis Batch: 736059

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10		ug/L			05/08/26 14:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*38 - 134*		*05/08/26 14:43*	*1*

Lab Sample ID: LCS 570-736059/1010
Matrix: Water
Analysis Batch: 736059

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	420		ug/L		105	78 - 120		

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

Lab Sample ID: LCS 570-736059/1010
Matrix: Water
Analysis Batch: 736059

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

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

Lab Sample ID: LCSD 570-736059/11
Matrix: Water
Analysis Batch: 736059

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	395		ug/L		99	78 - 120	6	10

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*38 - 134*

Lab Sample ID: MRL 570-736059/1005
Matrix: Water
Analysis Batch: 736059

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	11.5		ug/L		115	50 - 150		

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

Lab Sample ID: 380-210938-C-1 MS
Matrix: Water
Analysis Batch: 736059

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	388		ug/L		97	68 - 122		

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

Lab Sample ID: 380-210938-C-1 MSD
Matrix: Water
Analysis Batch: 736059

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	392		ug/L		98	68 - 122	1	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 570-732112/1-A
Matrix: Water
Analysis Batch: 733888

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 732112

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<25		25		ug/L		04/30/26 09:45	05/04/26 15:10	1
Motor Oil Range Organics [C24-C36]	<25		25		ug/L		04/30/26 09:45	05/04/26 15:10	1
C8-C18	<25		25		ug/L		04/30/26 09:45	05/04/26 15:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*115*		*60 - 130*	*04/30/26 09:45*	*05/04/26 15:10*	*1*

Lab Sample ID: LCS 570-732112/2-A
Matrix: Water
Analysis Batch: 733888

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 732112

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28			1600	1510		ug/L		94	56 - 127		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane (Surr)	*126*		*60 - 130*

Lab Sample ID: LCSD 570-732112/3-A
Matrix: Water
Analysis Batch: 733888

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 732112

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28			1600	1530		ug/L		96	56 - 127	2	23

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
n-Octacosane (Surr)	*129*		*60 - 130*

Lab Sample ID: MRL 570-732112/4-A
Matrix: Water
Analysis Batch: 733888

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 732112

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28			0.0200	0.0245	J	mg/L		123	50 - 150		

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
n-Octacosane (Surr)	*115*		*60 - 130*

Lab Sample ID: 380-210938-B-1-B MS
Matrix: Water
Analysis Batch: 733888

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 732112

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28	<26		1640	1660		ug/L		101	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
n-Octacosane (Surr)	*131*	*S1+*	*60 - 130*

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

Lab Sample ID: 380-210938-B-1-C MSD
Matrix: Water
Analysis Batch: 733888

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 732112

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28	<26		1660	1630		ug/L		98	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
n-Octacosane (Surr)	*129*		*60 - 130*

QC Association Summary

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

Job ID: 380-210934-1
SDG: Weekly: Aiea Gulch Wells Pump 1

GC/MS Semi VOA

Prep Batch: 224957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-210934-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	525.2	
MB 380-224957/21-A	Method Blank	Total/NA	Water	525.2	
LCS 380-224957/23-A	Lab Control Sample	Total/NA	Water	525.2	
MRL 380-224957/22-A	Lab Control Sample	Total/NA	Water	525.2	
380-210929-I-1-A MS	Matrix Spike	Total/NA	Water	525.2	
380-210934-1 DU	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	525.2	

Analysis Batch: 225251

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-210934-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	525.2	224957
MB 380-224957/21-A	Method Blank	Total/NA	Water	525.2	224957
LCS 380-224957/23-A	Lab Control Sample	Total/NA	Water	525.2	224957
MRL 380-224957/22-A	Lab Control Sample	Total/NA	Water	525.2	224957
380-210929-I-1-A MS	Matrix Spike	Total/NA	Water	525.2	224957
380-210934-1 DU	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	525.2	224957

Prep Batch: 732094

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-210934-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	625.1	
MB 570-732094/1-A	Method Blank	Total/NA	Water	625.1	
LCS 570-732094/2-A	Lab Control Sample	Total/NA	Water	625.1	
LCSD 570-732094/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	
380-210938-A-1-A MS	Matrix Spike	Total/NA	Water	625.1	
380-210938-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	625.1	

Analysis Batch: 732462

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-210934-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	625.1 SIM	732094
MB 570-732094/1-A	Method Blank	Total/NA	Water	625.1 SIM	732094
LCS 570-732094/2-A	Lab Control Sample	Total/NA	Water	625.1 SIM	732094
LCSD 570-732094/3-A	Lab Control Sample Dup	Total/NA	Water	625.1 SIM	732094
380-210938-A-1-A MS	Matrix Spike	Total/NA	Water	625.1 SIM	732094
380-210938-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	625.1 SIM	732094

Analysis Batch: 733448

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-210934-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	625.1	732094
MB 570-732094/1-A	Method Blank	Total/NA	Water	625.1	732094

GC VOA

Analysis Batch: 736059

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-210934-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	8015B GRO LL	
380-210934-2	TB: AIEA GULCH WELLS PUMP 1 (331-201-TPC	Total/NA	Water	8015B GRO LL	
MB 570-736059/12	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-736059/1010	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-736059/11	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-736059/1005	Lab Control Sample	Total/NA	Water	8015B GRO LL	
380-210938-C-1 MS	Matrix Spike	Total/NA	Water	8015B GRO LL	
380-210938-C-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: 380-210934-1
SDG: Weekly: Aiea Gulch Wells Pump 1

GC Semi VOA

Prep Batch: 732112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-210934-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	3510C	
MB 570-732112/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-732112/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-732112/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MRL 570-732112/4-A	Lab Control Sample	Total/NA	Water	3510C	
380-210938-B-1-B MS	Matrix Spike	Total/NA	Water	3510C	
380-210938-B-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	

Analysis Batch: 733888

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-210934-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	8015B	732112
MB 570-732112/1-A	Method Blank	Total/NA	Water	8015B	732112
LCS 570-732112/2-A	Lab Control Sample	Total/NA	Water	8015B	732112
LCSD 570-732112/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	732112
MRL 570-732112/4-A	Lab Control Sample	Total/NA	Water	8015B	732112
380-210938-B-1-B MS	Matrix Spike	Total/NA	Water	8015B	732112
380-210938-B-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	8015B	732112

Lab Chronicle

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

Job ID: 380-210934-1
SDG: Weekly: Aiea Gulch Wells Pump 1

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

Lab Sample ID: 380-210934-1

Date Collected: 04/27/26 11:08
Date Received: 04/29/26 09:47

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			224957	OTM3	EA POM	05/05/26 08:12
Total/NA	Analysis	525.2		1	225251	Q8LA	EA POM	05/06/26 14:54
Total/NA	Prep	625.1			732094	H1SH	EET CAL 4	04/30/26 09:34
Total/NA	Analysis	625.1		1	733448	PQS1	EET CAL 4	05/03/26 15:50
Total/NA	Prep	625.1			732094	H1SH	EET CAL 4	04/30/26 09:34
Total/NA	Analysis	625.1 SIM		1	732462	NUUG	EET CAL 4	05/01/26 00:42
Total/NA	Analysis	8015B GRO LL		1	736059	A9VE	EET CAL 4	05/08/26 18:45
Total/NA	Prep	3510C			732112	TVD6	EET CAL 4	04/30/26 10:04
Total/NA	Analysis	8015B		1	733888	H6FE	EET CAL 4	05/04/26 18:46

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

Lab Sample ID: 380-210934-2

Date Collected: 04/27/26 11:08
Date Received: 04/29/26 09:47

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	736059	A9VE	EET CAL 4	05/08/26 15:40

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: 380-210934-1
SDG: Weekly: Aiea Gulch Wells Pump 1

Laboratory: Eurofins Pomona

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

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

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

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

Laboratory: Eurofins Calscience

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

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

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

Accreditation/Certification Summary

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

Job ID: 380-210934-1
SDG: Weekly: Aiea Gulch Wells Pump 1

Laboratory: Eurofins Calscience (Continued)

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

Authority	Program	Identification Number	Expiration Date
California	State	3082	07-31-26
Kansas	NELAP	E-10420	07-31-26
Nevada	State	CA00111	05-10-26
Oregon	NELAP	4175	02-02-27
USDA	US Federal Programs	525-23-159-97150	06-08-26
Utah	NELAP	CA00111	02-28-27
Washington	State	C916	10-12-26

Method Summary

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

Job ID: 380-210934-1
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: 380-210934-1
SDG: Weekly: Aiea Gulch Wells Pump 1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	PWSID Number
380-210934-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Drinking Water	04/27/26 11:08	04/29/26 09:47	HI0000331
380-210934-2	TB: AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Water	04/27/26 11:08	04/29/26 09:47	

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: 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 #: 380-210934 COC
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 Plus TICs	537.1_DW_PREC - 537.1 Full List	533 - All Analytes	Total Number of containers	Special Instructions/Note:
			Preservation Code:				R	RA	Q	QA	Y	I		
Aiea Gulch Wells Pump 1 (331-201-TP071)	27-Apr-2026	1108	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)	27-Apr-2026	1108		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: FEP: 8311 8273 3006
[redacted]	Date/Time: 28 APR 11 2026 1400	Company: HBWS	Received by: [signature] Date/Time: 4/29/26 947 Company: FEAS
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: 631k 3.4 +0.2 = 3.6 901 Frozen

Ver: 04/02/2024

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

Chain of Custody Record

eurofins Envi

Loc: 380
210934

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Lopez, Maria	Carrier Tracking No(s): N/A	COC No: 380-328999.1
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 #: 380-210934-1
Address: 2841 Dow Avenue, Suite 100,	Due Date Requested: 5/12/2026	Analysis Requested		Preservation Codes: -
City: Tustin	TAT Requested (days): N/A			
State, Zip: CA, 92780				
Phone: 714-895-5494(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: RED-HILL	Project #: 38001111			
Site: Honolulu BWS Sites	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	625.1_SIM/625_Prep(MOD) Extended PAH List	8015B_DRO_LL_CS/3510C_LLHNL Ranges: C10-C24/C24-C36/C8-C18	8015B_GRO_LL/5030C(MOD) GRO	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
AIEA GULCH WELLS PUMP 1 (331-201-TP071) (380-210934-1)	4/27/26	11:08 Hawaiian	G	Water			X	X	X	6	MRLs are needed. Confirm any hits >RL.
TB: AIEA GULCH WELLS PUMP 1 (331-201-TP071) (380-21093	4/27/26	11:08 Hawaiian	G	Water					X	2	MRLs are needed. Confirm any hits >RL.

380-210934 Chain of Custody

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

Possible Hazard Identification
Unconfirmed

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

Deliverable Requested: I, II, III, IV, Other (specify) — Primary Deliverable Rank: 2

Special Instructions/QC Requirements:

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

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Mark Urrutia	4/29/26 1600	EEAP	— / /	4-29-26 1600	WP
— / /	4-29-26 1710	WP	[signature]	4/29/26 1710	EC

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 1.2 / 1.2 IR-8

Ver: 03/20/2026 5/11/2026

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-210934-1
SDG Number: Weekly: Aiea Gulch Wells Pump 1

Login Number: 210934
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: 380-210934-1
SDG Number: Weekly: Aiea Gulch Wells Pump 1

Login Number: 210934
List Number: 2
Creator: Khana, Piyush

List Source: Eurofins Calscience
List Creation: 04/29/26 06:16 PM

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