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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

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JOB DESCRIPTION

RED-HILL
Weekly: Aiea Gulch Wells Pump 1/Pump 2
RUSH Weekly Red Hill

JOB NUMBER

380-172780-1

Eurofins Eaton Analytical Pomona
941 Corporate Center Drive
Pomona CA 91768-2642

See page two for job notes and contact information.

Eurofins Eaton Analytical Pomona

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 Eaton Analytical, 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: 380-172780-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
B	Analyte was found in the associated method blank.
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 VOA

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

Glossary

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

Job Narrative
380-172780-1

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 9/23/2025 10:20 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 2.5°C, 2.9°C and 3.0°C.

Receipt Exceptions
One or more containers for the following sample(s) was received broken or leaking: One of two bottles for 625 was receieved broken, enough sample volumn was available for analysis. (XWB4)

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 570-629311.

Method 625.1_SIM: The method blank for preparation batch 570-629311 contained Naphthalene above the reporting limit (RL). None of the samples associated with this method blank contained the target compound; therefore, re-extraction and/or re-analysis of samples were not performed.

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

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

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

Detection Summary

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

Job ID: 380-172780-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

Lab Sample ID: 380-172780-1

No Detections.

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

Lab Sample ID: 380-172780-2

No Detections.

Client Sample ID: AIEA GULCH WELLS PUMP 2 (331-202-TP072)
PWSID Number: HI0000331

Lab Sample ID: 380-172780-3

No Detections.

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

Lab Sample ID: 380-172780-4

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: AIEA GULCH WELLS PUMP 1 (331-201-TP071)
Date Collected: 09/22/25 10:40
Date Received: 09/23/25 10:20

Lab Sample ID: 380-172780-1
Matrix: Drinking Water
PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 14:10	1
2,4'-DDD	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 14:10	1
2,4'-DDE	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 14:10	1
2,4'-DDT	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 14:10	1
2,4-Dinitrotoluene	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 14:10	1
2,6-Dinitrotoluene	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 14:10	1
2-Methylnaphthalene	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 14:10	1
4,4'-DDD	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 14:10	1
4,4'-DDE	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 14:10	1
4,4'-DDT	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 14:10	1
Acenaphthene	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 14:10	1
Acenaphthylene	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 14:10	1
Acetochlor	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 14:10	1
Alachlor	<0.049		0.049		ug/L		09/23/25 14:48	09/25/25 14:10	1
alpha-BHC	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 14:10	1
alpha-Chlordane	<0.049		0.049		ug/L		09/23/25 14:48	09/25/25 14:10	1
Anthracene	<0.020		0.020		ug/L		09/23/25 14:48	09/25/25 14:10	1
Atrazine	<0.049		0.049		ug/L		09/23/25 14:48	09/25/25 14:10	1
Benz(a)anthracene	<0.049		0.049		ug/L		09/23/25 14:48	09/25/25 14:10	1
Benzo[a]pyrene	<0.020		0.020		ug/L		09/23/25 14:48	09/25/25 14:10	1
Benzo[b]fluoranthene	<0.020		0.020		ug/L		09/23/25 14:48	09/25/25 14:10	1
Benzo[g,h,i]perylene	<0.049		0.049		ug/L		09/23/25 14:48	09/25/25 14:10	1
Benzo[k]fluoranthene	<0.020		0.020		ug/L		09/23/25 14:48	09/25/25 14:10	1
beta-BHC	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 14:10	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59		ug/L		09/23/25 14:48	09/25/25 14:10	1
Bromacil	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 14:10	1
Butachlor	<0.049		0.049		ug/L		09/23/25 14:48	09/25/25 14:10	1
Butylbenzylphthalate	<0.49		0.49		ug/L		09/23/25 14:48	09/25/25 14:10	1
Chlorobenzilate	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 14:10	1
Chloroneb	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 14:10	1
Chlorothalonil (Draconil, Bravo)	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 14:10	1
Chlorpyrifos	<0.049		0.049		ug/L		09/23/25 14:48	09/25/25 14:10	1
Chrysene	<0.020		0.020		ug/L		09/23/25 14:48	09/25/25 14:10	1
delta-BHC	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 14:10	1
Di(2-ethylhexyl)adipate	<0.59		0.59		ug/L		09/23/25 14:48	09/25/25 14:10	1
Dibenz(a,h)anthracene	<0.049		0.049		ug/L		09/23/25 14:48	09/25/25 14:10	1
Diclorvos (DDVP)	<0.049		0.049		ug/L		09/23/25 14:48	09/25/25 14:10	1
Dieldrin	<0.0098		0.0098		ug/L		09/23/25 14:48	09/25/25 14:10	1
Diethylphthalate	<0.49		0.49		ug/L		09/23/25 14:48	09/25/25 14:10	1
Dimethylphthalate	<0.49		0.49		ug/L		09/23/25 14:48	09/25/25 14:10	1
Di-n-butyl phthalate	<0.98		0.98		ug/L		09/23/25 14:48	09/25/25 14:10	1
Di-n-octyl phthalate	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 14:10	1
Endosulfan I (Alpha)	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 14:10	1
Endosulfan II (Beta)	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 14:10	1
Endosulfan sulfate	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 14:10	1
Endrin	<0.0098		0.0098		ug/L		09/23/25 14:48	09/25/25 14:10	1
Endrin aldehyde	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 14:10	1
EPTC	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 14:10	1

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

Lab Sample ID: 380-172780-1

Date Collected: 09/22/25 10:40
Date Received: 09/23/25 10:20

Matrix: Drinking Water
PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 14:10	1
Fluorene	<0.049		0.049		ug/L		09/23/25 14:48	09/25/25 14:10	1
gamma-Chlordane	<0.049		0.049		ug/L		09/23/25 14:48	09/25/25 14:10	1
Heptachlor	<0.0098		0.0098		ug/L		09/23/25 14:48	09/25/25 14:10	1
Heptachlor epoxide (isomer B)	<0.0098		0.0098		ug/L		09/23/25 14:48	09/25/25 14:10	1
Hexachlorobenzene	<0.049		0.049		ug/L		09/23/25 14:48	09/25/25 14:10	1
Hexachlorocyclopentadiene	<0.049		0.049		ug/L		09/23/25 14:48	09/25/25 14:10	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049		ug/L		09/23/25 14:48	09/25/25 14:10	1
Isophorone	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 14:10	1
Lindane	<0.0098		0.0098		ug/L		09/23/25 14:48	09/25/25 14:10	1
Malathion	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 14:10	1
Methoxychlor	<0.049		0.049		ug/L		09/23/25 14:48	09/25/25 14:10	1
Metolachlor	<0.049		0.049		ug/L		09/23/25 14:48	09/25/25 14:10	1
Molinate	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 14:10	1
Naphthalene	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 14:10	1
Parathion	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 14:10	1
Pendimethalin (Penoxaline)	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 14:10	1
Phenanthrene	<0.039		0.039		ug/L		09/23/25 14:48	09/25/25 14:10	1
Propachlor	<0.049		0.049		ug/L		09/23/25 14:48	09/25/25 14:10	1
Pyrene	<0.049		0.049		ug/L		09/23/25 14:48	09/25/25 14:10	1
Simazine	<0.049		0.049		ug/L		09/23/25 14:48	09/25/25 14:10	1
Terbacil	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 14:10	1
Terbuthylazine	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 14:10	1
Thiobencarb	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 14:10	1
Total Permethrin (mixed isomers)	<0.20		0.20		ug/L		09/23/25 14:48	09/25/25 14:10	1
trans-Nonachlor	<0.049		0.049		ug/L		09/23/25 14:48	09/25/25 14:10	1
Trifluralin	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 14:10	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*	*09/23/25 14:48*	*09/25/25 14:10*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*101*		*70 - 130*	*09/23/25 14:48*	*09/25/25 14:10*	*1*
Perylene-d12	*88*		*70 - 130*	*09/23/25 14:48*	*09/25/25 14:10*	*1*
Triphenylphosphate	*104*		*70 - 130*	*09/23/25 14:48*	*09/25/25 14:10*	*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		09/24/25 04:30	09/29/25 10:29	1
2-Methylnaphthalene	<0.19		0.19		ug/L		09/24/25 04:30	09/29/25 10:29	1
Acenaphthene	<0.19		0.19		ug/L		09/24/25 04:30	09/29/25 10:29	1
Acenaphthylene	<0.19		0.19		ug/L		09/24/25 04:30	09/29/25 10:29	1
Anthracene	<0.19		0.19		ug/L		09/24/25 04:30	09/29/25 10:29	1
Benzo[a]anthracene	<0.19		0.19		ug/L		09/24/25 04:30	09/29/25 10:29	1
Benzo[a]pyrene	<0.19		0.19		ug/L		09/24/25 04:30	09/29/25 10:29	1
Benzo[b]fluoranthene	<0.19		0.19		ug/L		09/24/25 04:30	09/29/25 10:29	1
Benzo[g,h,i]perylene	<0.19		0.19		ug/L		09/24/25 04:30	09/29/25 10:29	1
Benzo[k]fluoranthene	<0.19		0.19		ug/L		09/24/25 04:30	09/29/25 10:29	1
Chrysene	<0.19		0.19		ug/L		09/24/25 04:30	09/29/25 10:29	1

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

Lab Sample ID: 380-172780-1

Date Collected: 09/22/25 10:40
Date Received: 09/23/25 10:20

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		09/24/25 04:30	09/29/25 10:29	1
Fluoranthene	<0.19		0.19		ug/L		09/24/25 04:30	09/29/25 10:29	1
Fluorene	<0.19		0.19		ug/L		09/24/25 04:30	09/29/25 10:29	1
Indeno[1,2,3-cd]pyrene	<0.19		0.19		ug/L		09/24/25 04:30	09/29/25 10:29	1
Naphthalene	<0.19	B	0.19		ug/L		09/24/25 04:30	09/29/25 10:29	1
Phenanthrene	<0.19		0.19		ug/L		09/24/25 04:30	09/29/25 10:29	1
Pyrene	<0.19		0.19		ug/L		09/24/25 04:30	09/29/25 10:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*84*		*28 - 127*	*09/24/25 04:30*	*09/29/25 10:29*	*1*
2-Fluorobiphenyl (Surr)	*84*		*31 - 120*	*09/24/25 04:30*	*09/29/25 10:29*	*1*
2-Fluorophenol (Surr)	*53*		*17 - 120*	*09/24/25 04:30*	*09/29/25 10:29*	*1*
Nitrobenzene-d5 (Surr)	*94*		*27 - 120*	*09/24/25 04:30*	*09/29/25 10:29*	*1*
Phenol-d6 (Surr)	*35*		*10 - 120*	*09/24/25 04:30*	*09/29/25 10:29*	*1*
p-Terphenyl-d14 (Surr)	*85*		*45 - 120*	*09/24/25 04:30*	*09/29/25 10:29*	*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*
Hexane, 2,3-dimethyl-	*17*	*T J N*	*ug/L*		*2.64*	*584-94-1*	*09/24/25 04:30*	*10/08/25 00:58*	*1*
Cyclohexane, 1-methyl-2-propyl-	*20*	*T J N*	*ug/L*		*2.76*	*4291-79-6*	*09/24/25 04:30*	*10/08/25 00:58*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*87*		*33 - 139*	*09/24/25 04:30*	*10/08/25 00:58*	*1*
2-Fluorobiphenyl (Surr)	*94*		*33 - 126*	*09/24/25 04:30*	*10/08/25 00:58*	*1*
2-Fluorophenol (Surr)	*61*		*12 - 120*	*09/24/25 04:30*	*10/08/25 00:58*	*1*
Nitrobenzene-d5 (Surr)	*98*		*36 - 120*	*09/24/25 04:30*	*10/08/25 00:58*	*1*
Phenol-d6 (Surr)	*35*		*10 - 120*	*09/24/25 04:30*	*10/08/25 00:58*	*1*
p-Terphenyl-d14 (Surr)	*97*		*47 - 131*	*09/24/25 04:30*	*10/08/25 00:58*	*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			10/05/25 21:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*38 - 134*		*10/05/25 21:31*	*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		09/29/25 09:55	10/05/25 07:16	1
Motor Oil Range Organics [C24-C36]	<26		26		ug/L		09/29/25 09:55	10/05/25 07:16	1
C8-C18	<26		26		ug/L		09/29/25 09:55	10/05/25 07:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*104*		*60 - 130*	*09/29/25 09:55*	*10/05/25 07:16*	*1*

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

Lab Sample ID: 380-172780-2

Date Collected: 09/22/25 10:40
Date Received: 09/23/25 10:20

Matrix: Drinking 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			10/06/25 01:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*38 - 134*		*10/06/25 01:12*	*1*

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

Lab Sample ID: 380-172780-3

Date Collected: 09/22/25 10:58
Date Received: 09/23/25 10:20

Matrix: 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	<0.099		0.099		ug/L		09/23/25 14:48	09/25/25 14:30	1
2,4'-DDD	<0.099		0.099		ug/L		09/23/25 14:48	09/25/25 14:30	1
2,4'-DDE	<0.099		0.099		ug/L		09/23/25 14:48	09/25/25 14:30	1
2,4'-DDT	<0.099		0.099		ug/L		09/23/25 14:48	09/25/25 14:30	1
2,4-Dinitrotoluene	<0.099		0.099		ug/L		09/23/25 14:48	09/25/25 14:30	1
2,6-Dinitrotoluene	<0.099		0.099		ug/L		09/23/25 14:48	09/25/25 14:30	1
2-Methylnaphthalene	<0.099		0.099		ug/L		09/23/25 14:48	09/25/25 14:30	1
4,4'-DDD	<0.099		0.099		ug/L		09/23/25 14:48	09/25/25 14:30	1
4,4'-DDE	<0.099		0.099		ug/L		09/23/25 14:48	09/25/25 14:30	1
4,4'-DDT	<0.099		0.099		ug/L		09/23/25 14:48	09/25/25 14:30	1
Acenaphthene	<0.099		0.099		ug/L		09/23/25 14:48	09/25/25 14:30	1
Acenaphthylene	<0.099		0.099		ug/L		09/23/25 14:48	09/25/25 14:30	1
Acetochlor	<0.099		0.099		ug/L		09/23/25 14:48	09/25/25 14:30	1
Alachlor	<0.049		0.049		ug/L		09/23/25 14:48	09/25/25 14:30	1
alpha-BHC	<0.099		0.099		ug/L		09/23/25 14:48	09/25/25 14:30	1
alpha-Chlordane	<0.049		0.049		ug/L		09/23/25 14:48	09/25/25 14:30	1
Anthracene	<0.020		0.020		ug/L		09/23/25 14:48	09/25/25 14:30	1
Atrazine	<0.049		0.049		ug/L		09/23/25 14:48	09/25/25 14:30	1
Benz(a)anthracene	<0.049		0.049		ug/L		09/23/25 14:48	09/25/25 14:30	1
Benzo[a]pyrene	<0.020		0.020		ug/L		09/23/25 14:48	09/25/25 14:30	1
Benzo[b]fluoranthene	<0.020		0.020		ug/L		09/23/25 14:48	09/25/25 14:30	1
Benzo[g,h,i]perylene	<0.049		0.049		ug/L		09/23/25 14:48	09/25/25 14:30	1
Benzo[k]fluoranthene	<0.020		0.020		ug/L		09/23/25 14:48	09/25/25 14:30	1
beta-BHC	<0.099		0.099		ug/L		09/23/25 14:48	09/25/25 14:30	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59		ug/L		09/23/25 14:48	09/25/25 14:30	1
Bromacil	<0.099		0.099		ug/L		09/23/25 14:48	09/25/25 14:30	1
Butachlor	<0.049		0.049		ug/L		09/23/25 14:48	09/25/25 14:30	1
Butylbenzylphthalate	<0.49		0.49		ug/L		09/23/25 14:48	09/25/25 14:30	1
Chlorobenzilate	<0.099		0.099		ug/L		09/23/25 14:48	09/25/25 14:30	1
Chloroneb	<0.099		0.099		ug/L		09/23/25 14:48	09/25/25 14:30	1
Chlorothalonil (Draconil, Bravo)	<0.099		0.099		ug/L		09/23/25 14:48	09/25/25 14:30	1
Chlorpyrifos	<0.049		0.049		ug/L		09/23/25 14:48	09/25/25 14:30	1
Chrysene	<0.020		0.020		ug/L		09/23/25 14:48	09/25/25 14:30	1
delta-BHC	<0.099		0.099		ug/L		09/23/25 14:48	09/25/25 14:30	1
Di(2-ethylhexyl)adipate	<0.59		0.59		ug/L		09/23/25 14:48	09/25/25 14:30	1
Dibenz(a,h)anthracene	<0.049		0.049		ug/L		09/23/25 14:48	09/25/25 14:30	1
Diclorvos (DDVP)	<0.049		0.049		ug/L		09/23/25 14:48	09/25/25 14:30	1

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

Lab Sample ID: 380-172780-3

Date Collected: 09/22/25 10:58
Date Received: 09/23/25 10:20

Matrix: Water
PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	<0.0099		0.0099		ug/L		09/23/25 14:48	09/25/25 14:30	1
Diethylphthalate	<0.49		0.49		ug/L		09/23/25 14:48	09/25/25 14:30	1
Dimethylphthalate	<0.49		0.49		ug/L		09/23/25 14:48	09/25/25 14:30	1
Di-n-butyl phthalate	<0.99		0.99		ug/L		09/23/25 14:48	09/25/25 14:30	1
Di-n-octyl phthalate	<0.099		0.099		ug/L		09/23/25 14:48	09/25/25 14:30	1
Endosulfan I (Alpha)	<0.099		0.099		ug/L		09/23/25 14:48	09/25/25 14:30	1
Endosulfan II (Beta)	<0.099		0.099		ug/L		09/23/25 14:48	09/25/25 14:30	1
Endosulfan sulfate	<0.099		0.099		ug/L		09/23/25 14:48	09/25/25 14:30	1
Endrin	<0.0099		0.0099		ug/L		09/23/25 14:48	09/25/25 14:30	1
Endrin aldehyde	<0.099		0.099		ug/L		09/23/25 14:48	09/25/25 14:30	1
EPTC	<0.099		0.099		ug/L		09/23/25 14:48	09/25/25 14:30	1
Fluoranthene	<0.099		0.099		ug/L		09/23/25 14:48	09/25/25 14:30	1
Fluorene	<0.049		0.049		ug/L		09/23/25 14:48	09/25/25 14:30	1
gamma-Chlordane	<0.049		0.049		ug/L		09/23/25 14:48	09/25/25 14:30	1
Heptachlor	<0.0099		0.0099		ug/L		09/23/25 14:48	09/25/25 14:30	1
Heptachlor epoxide (isomer B)	<0.0099		0.0099		ug/L		09/23/25 14:48	09/25/25 14:30	1
Hexachlorobenzene	<0.049		0.049		ug/L		09/23/25 14:48	09/25/25 14:30	1
Hexachlorocyclopentadiene	<0.049		0.049		ug/L		09/23/25 14:48	09/25/25 14:30	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049		ug/L		09/23/25 14:48	09/25/25 14:30	1
Isophorone	<0.099		0.099		ug/L		09/23/25 14:48	09/25/25 14:30	1
Lindane	<0.0099		0.0099		ug/L		09/23/25 14:48	09/25/25 14:30	1
Malathion	<0.099		0.099		ug/L		09/23/25 14:48	09/25/25 14:30	1
Methoxychlor	<0.049		0.049		ug/L		09/23/25 14:48	09/25/25 14:30	1
Metolachlor	<0.049		0.049		ug/L		09/23/25 14:48	09/25/25 14:30	1
Molinate	<0.099		0.099		ug/L		09/23/25 14:48	09/25/25 14:30	1
Naphthalene	<0.099		0.099		ug/L		09/23/25 14:48	09/25/25 14:30	1
Parathion	<0.099		0.099		ug/L		09/23/25 14:48	09/25/25 14:30	1
Pendimethalin (Penoxaline)	<0.099		0.099		ug/L		09/23/25 14:48	09/25/25 14:30	1
Phenanthrene	<0.040		0.040		ug/L		09/23/25 14:48	09/25/25 14:30	1
Propachlor	<0.049		0.049		ug/L		09/23/25 14:48	09/25/25 14:30	1
Pyrene	<0.049		0.049		ug/L		09/23/25 14:48	09/25/25 14:30	1
Simazine	<0.049		0.049		ug/L		09/23/25 14:48	09/25/25 14:30	1
Terbacil	<0.099		0.099		ug/L		09/23/25 14:48	09/25/25 14:30	1
Terbuthylazine	<0.099		0.099		ug/L		09/23/25 14:48	09/25/25 14:30	1
Thiobencarb	<0.099		0.099		ug/L		09/23/25 14:48	09/25/25 14:30	1
Total Permethrin (mixed isomers)	<0.20		0.20		ug/L		09/23/25 14:48	09/25/25 14:30	1
trans-Nonachlor	<0.049		0.049		ug/L		09/23/25 14:48	09/25/25 14:30	1
Trifluralin	<0.099		0.099		ug/L		09/23/25 14:48	09/25/25 14:30	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*	*09/23/25 14:48*	*09/25/25 14:30*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*103*		*70 - 130*	*09/23/25 14:48*	*09/25/25 14:30*	*1*
Perylene-d12	*93*		*70 - 130*	*09/23/25 14:48*	*09/25/25 14:30*	*1*
Triphenylphosphate	*107*		*70 - 130*	*09/23/25 14:48*	*09/25/25 14:30*	*1*

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

Lab Sample ID: 380-172780-3

Date Collected: 09/22/25 10:58
Date Received: 09/23/25 10:20

Matrix: Water
PWSID Number: HI0000331

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		09/24/25 04:30	09/29/25 10:52	1
2-Methylnaphthalene	<0.19		0.19		ug/L		09/24/25 04:30	09/29/25 10:52	1
Acenaphthene	<0.19		0.19		ug/L		09/24/25 04:30	09/29/25 10:52	1
Acenaphthylene	<0.19		0.19		ug/L		09/24/25 04:30	09/29/25 10:52	1
Anthracene	<0.19		0.19		ug/L		09/24/25 04:30	09/29/25 10:52	1
Benzo[a]anthracene	<0.19		0.19		ug/L		09/24/25 04:30	09/29/25 10:52	1
Benzo[a]pyrene	<0.19		0.19		ug/L		09/24/25 04:30	09/29/25 10:52	1
Benzo[b]fluoranthene	<0.19		0.19		ug/L		09/24/25 04:30	09/29/25 10:52	1
Benzo[g,h,i]perylene	<0.19		0.19		ug/L		09/24/25 04:30	09/29/25 10:52	1
Benzo[k]fluoranthene	<0.19		0.19		ug/L		09/24/25 04:30	09/29/25 10:52	1
Chrysene	<0.19		0.19		ug/L		09/24/25 04:30	09/29/25 10:52	1
Dibenz(a,h)anthracene	<0.19		0.19		ug/L		09/24/25 04:30	09/29/25 10:52	1
Fluoranthene	<0.19		0.19		ug/L		09/24/25 04:30	09/29/25 10:52	1
Fluorene	<0.19		0.19		ug/L		09/24/25 04:30	09/29/25 10:52	1
Indeno[1,2,3-cd]pyrene	<0.19		0.19		ug/L		09/24/25 04:30	09/29/25 10:52	1
Naphthalene	<0.19	B	0.19		ug/L		09/24/25 04:30	09/29/25 10:52	1
Phenanthrene	<0.19		0.19		ug/L		09/24/25 04:30	09/29/25 10:52	1
Pyrene	<0.19		0.19		ug/L		09/24/25 04:30	09/29/25 10:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*67*		*28 - 127*	*09/24/25 04:30*	*09/29/25 10:52*	*1*
2-Fluorobiphenyl (Surr)	*73*		*31 - 120*	*09/24/25 04:30*	*09/29/25 10:52*	*1*
2-Fluorophenol (Surr)	*45*		*17 - 120*	*09/24/25 04:30*	*09/29/25 10:52*	*1*
Nitrobenzene-d5 (Surr)	*78*		*27 - 120*	*09/24/25 04:30*	*09/29/25 10:52*	*1*
Phenol-d6 (Surr)	*29*		*10 - 120*	*09/24/25 04:30*	*09/29/25 10:52*	*1*
p-Terphenyl-d14 (Surr)	*74*		*45 - 120*	*09/24/25 04:30*	*09/29/25 10:52*	*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*
Heptane, 3,4-dimethyl-	*15*	*T J N*	*ug/L*		*2.64*	*922-28-1*	*09/24/25 04:30*	*10/08/25 01:23*	*1*
Cyclohexane, 1-methyl-2-propyl-	*16*	*T J N*	*ug/L*		*2.76*	*4291-79-6*	*09/24/25 04:30*	*10/08/25 01:23*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*74*		*33 - 139*	*09/24/25 04:30*	*10/08/25 01:23*	*1*
2-Fluorobiphenyl (Surr)	*79*		*33 - 126*	*09/24/25 04:30*	*10/08/25 01:23*	*1*
2-Fluorophenol (Surr)	*47*		*12 - 120*	*09/24/25 04:30*	*10/08/25 01:23*	*1*
Nitrobenzene-d5 (Surr)	*80*		*36 - 120*	*09/24/25 04:30*	*10/08/25 01:23*	*1*
Phenol-d6 (Surr)	*29*		*10 - 120*	*09/24/25 04:30*	*10/08/25 01:23*	*1*
p-Terphenyl-d14 (Surr)	*81*		*47 - 131*	*09/24/25 04:30*	*10/08/25 01:23*	*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			10/05/25 21:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*38 - 134*		*10/05/25 21:11*	*1*

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

Job ID: 380-172780-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

Lab Sample ID: 380-172780-3

Date Collected: 09/22/25 10:58
Date Received: 09/23/25 10:20

Matrix: Water
PWSID Number: HI0000331

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		09/29/25 09:55	10/05/25 07:38	1
Motor Oil Range Organics [C24-C36]	<26		26		ug/L		09/29/25 09:55	10/05/25 07:38	1
C8-C18	<26		26		ug/L		09/29/25 09:55	10/05/25 07:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*101*		*60 - 130*	*09/29/25 09:55*	*10/05/25 07:38*	*1*

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

Lab Sample ID: 380-172780-4

Date Collected: 09/22/25 10:58
Date Received: 09/23/25 10:20

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			10/06/25 00:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*38 - 134*		*10/06/25 00:52*	*1*

Action Limit Summary

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

Job ID: 380-172780-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

Lab Sample ID: 380-172780-1

PWSID Number: HI0000331

Compliance Check

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

Analyte	Result	Qualifier	Unit	EPAMCL Limit	RL	Method	Prep Type
Alachlor	<0.049		ug/L	2	0.049	525.2	Total/NA
Atrazine	<0.049		ug/L	3	0.049	525.2	Total/NA
Benzo[a]pyrene	<0.020		ug/L	0.2	0.020	525.2	Total/NA
Bis(2-ethylhexyl) phthalate	<0.59		ug/L	6	0.59	525.2	Total/NA
Di(2-ethylhexyl)adipate	<0.59		ug/L	400	0.59	525.2	Total/NA
Endrin	<0.0098		ug/L	2	0.0098	525.2	Total/NA
Heptachlor	<0.0098		ug/L	0.4	0.0098	525.2	Total/NA
Heptachlor epoxide (isomer B)	<0.0098		ug/L	0.2	0.0098	525.2	Total/NA
Hexachlorobenzene	<0.049		ug/L	1	0.049	525.2	Total/NA
Hexachlorocyclopentadiene	<0.049		ug/L	50	0.049	525.2	Total/NA
Lindane	<0.0098		ug/L	0.2	0.0098	525.2	Total/NA
Methoxychlor	<0.049		ug/L	40	0.049	525.2	Total/NA
Simazine	<0.049		ug/L	4	0.049	525.2	Total/NA
Benzo[a]pyrene	<0.19		ug/L	0.2	0.19	625.1 SIM	Total/NA

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

Lab Sample ID: 380-172780-3

PWSID Number: HI0000331

Compliance Check

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

Analyte	Result	Qualifier	Unit	EPAMCL Limit	RL	Method	Prep Type
Alachlor	<0.049		ug/L	2	0.049	525.2	Total/NA
Atrazine	<0.049		ug/L	3	0.049	525.2	Total/NA
Benzo[a]pyrene	<0.020		ug/L	0.2	0.020	525.2	Total/NA
Bis(2-ethylhexyl) phthalate	<0.59		ug/L	6	0.59	525.2	Total/NA
Di(2-ethylhexyl)adipate	<0.59		ug/L	400	0.59	525.2	Total/NA
Endrin	<0.0099		ug/L	2	0.0099	525.2	Total/NA
Heptachlor	<0.0099		ug/L	0.4	0.0099	525.2	Total/NA
Heptachlor epoxide (isomer B)	<0.0099		ug/L	0.2	0.0099	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	<0.0099		ug/L	0.2	0.0099	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: 380-172780-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

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

		Percent Surrogate Recovery (Acceptance Limits)		
		2NMX	PRY	TPP
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
380-172780-1	AIEA GULCH WELLS PUMP 1 (	101	88	104

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)
380-171902-AW-1-A MS	Matrix Spike	103	95	109
380-171920-AB-1-A DU	Duplicate	101	89	106
380-172780-3	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	103	93	107
LCS 380-175803/22-A	Lab Control Sample	103	95	110
MB 380-175803/20-A	Method Blank	100	88	109
MRL 380-175803/21-A	Lab Control Sample	101	92	108

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)
380-172780-1	AIEA GULCH WELLS PUMP 1 (	87	94	61	98	35	97

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)
380-172780-3	AIEA GULCH WELLS PUMP 2 (	74	79	47	80	29	81
MB 570-629311/1-A	Method Blank	85	89	62	91	37	87

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)

FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL6 = Phenol-d6 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)

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

Matrix: 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)
380-172780-1	AIEA GULCH WELLS PUMP 1 (	84	84	53	94	35	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)
380-172780-3	AIEA GULCH WELLS PUMP 2 (	67	73	45	78	29	74
LCS 570-629311/2-A	Lab Control Sample	73	69	57	70	42	72
LCSD 570-629311/3-A	Lab Control Sample Dup	67	72	52	70	39	73
MB 570-629311/1-A	Method Blank	86	78	57	94	39	88

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)
380-172780-1	AIEA GULCH WELLS PUMP 1 (	97
380-172780-2	TB: AIEA GULCH WELLS PUMP 1 (331-201-TP071)	89

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

Surrogate Summary

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

Job ID: 380-172780-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

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

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	BFB1 (38-134)
380-172780-3	AIEA GULCH WELLS PUMP 2 (	96
380-172780-4	TB: AIEA GULCH WELLS PUMP 2 (331-202-TP072)	97
380-173388-B-1 MS	Matrix Spike	101
380-173388-B-1 MSD	Matrix Spike Duplicate	100
LCS 570-635834/1009	Lab Control Sample	98
LCSD 570 635834/10	Lab Control Sample Dup	97
MB 570-635834/11	Method Blank	94
MRL 570-635834/1004	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)
380-172780-1	AIEA GULCH WELLS PUMP 1 (	104

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)
380-172780-3	AIEA GULCH WELLS PUMP 2 (	101
380-173600-C-1-A MS	Matrix Spike	107
380-173600-C-1-B MSD	Matrix Spike Duplicate	103
LCS 570-632540/2-A	Lab Control Sample	92
LCSD 570-632540/3-A	Lab Control Sample Dup	103
MB 570-632540/1-A	Method Blank	92
MRL 570-632540/4-A	Lab Control Sample	84

Surrogate Legend

OTCSN = n-Octacosane (Surr)

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

Lab Sample ID: MB 380-175803/20-A
Matrix: Water
Analysis Batch: 176196

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 175803

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 08:43	1
2,4'-DDD	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 08:43	1
2,4'-DDE	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 08:43	1
2,4'-DDT	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 08:43	1
2,4-Dinitrotoluene	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 08:43	1
2,6-Dinitrotoluene	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 08:43	1
2-Methylnaphthalene	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 08:43	1
4,4'-DDD	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 08:43	1
4,4'-DDE	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 08:43	1
4,4'-DDT	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 08:43	1
Acenaphthene	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 08:43	1
Acenaphthylene	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 08:43	1
Acetochlor	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 08:43	1
Alachlor	<0.049		0.049		ug/L		09/23/25 14:48	09/25/25 08:43	1
alpha-BHC	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 08:43	1
alpha-Chlordane	<0.049		0.049		ug/L		09/23/25 14:48	09/25/25 08:43	1
Anthracene	<0.020		0.020		ug/L		09/23/25 14:48	09/25/25 08:43	1
Atrazine	<0.049		0.049		ug/L		09/23/25 14:48	09/25/25 08:43	1
Benz(a)anthracene	<0.049		0.049		ug/L		09/23/25 14:48	09/25/25 08:43	1
Benzo[a]pyrene	<0.020		0.020		ug/L		09/23/25 14:48	09/25/25 08:43	1
Benzo[b]fluoranthene	<0.020		0.020		ug/L		09/23/25 14:48	09/25/25 08:43	1
Benzo[g,h,i]perylene	<0.049		0.049		ug/L		09/23/25 14:48	09/25/25 08:43	1
Benzo[k]fluoranthene	<0.020		0.020		ug/L		09/23/25 14:48	09/25/25 08:43	1
beta-BHC	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 08:43	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59		ug/L		09/23/25 14:48	09/25/25 08:43	1
Bromacil	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 08:43	1
Butachlor	<0.049		0.049		ug/L		09/23/25 14:48	09/25/25 08:43	1
Butylbenzylphthalate	<0.49		0.49		ug/L		09/23/25 14:48	09/25/25 08:43	1
Chlorobenzilate	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 08:43	1
Chloroneb	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 08:43	1
Chlorothalonil (Draconil, Bravo)	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 08:43	1
Chlorpyrifos	<0.049		0.049		ug/L		09/23/25 14:48	09/25/25 08:43	1
Chrysene	<0.020		0.020		ug/L		09/23/25 14:48	09/25/25 08:43	1
delta-BHC	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 08:43	1
Di(2-ethylhexyl)adipate	<0.59		0.59		ug/L		09/23/25 14:48	09/25/25 08:43	1
Dibenz(a,h)anthracene	<0.049		0.049		ug/L		09/23/25 14:48	09/25/25 08:43	1
Diclorvos (DDVP)	<0.049		0.049		ug/L		09/23/25 14:48	09/25/25 08:43	1
Dieldrin	<0.0098		0.0098		ug/L		09/23/25 14:48	09/25/25 08:43	1
Diethylphthalate	<0.49		0.49		ug/L		09/23/25 14:48	09/25/25 08:43	1
Dimethylphthalate	<0.49		0.49		ug/L		09/23/25 14:48	09/25/25 08:43	1
Di-n-butyl phthalate	<0.98		0.98		ug/L		09/23/25 14:48	09/25/25 08:43	1
Di-n-octyl phthalate	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 08:43	1
Endosulfan I (Alpha)	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 08:43	1
Endosulfan II (Beta)	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 08:43	1
Endosulfan sulfate	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 08:43	1
Endrin	<0.0098		0.0098		ug/L		09/23/25 14:48	09/25/25 08:43	1
Endrin aldehyde	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 08:43	1
EPTC	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 08:43	1

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

Lab Sample ID: MB 380-175803/20-A
Matrix: Water
Analysis Batch: 176196

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 175803

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 08:43	1
Fluorene	<0.049		0.049		ug/L		09/23/25 14:48	09/25/25 08:43	1
gamma-Chlordane	<0.049		0.049		ug/L		09/23/25 14:48	09/25/25 08:43	1
Heptachlor	<0.0098		0.0098		ug/L		09/23/25 14:48	09/25/25 08:43	1
Heptachlor epoxide (isomer B)	<0.0098		0.0098		ug/L		09/23/25 14:48	09/25/25 08:43	1
Hexachlorobenzene	<0.049		0.049		ug/L		09/23/25 14:48	09/25/25 08:43	1
Hexachlorocyclopentadiene	<0.049		0.049		ug/L		09/23/25 14:48	09/25/25 08:43	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049		ug/L		09/23/25 14:48	09/25/25 08:43	1
Isophorone	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 08:43	1
Lindane	<0.0098		0.0098		ug/L		09/23/25 14:48	09/25/25 08:43	1
Malathion	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 08:43	1
Methoxychlor	<0.049		0.049		ug/L		09/23/25 14:48	09/25/25 08:43	1
Metolachlor	<0.049		0.049		ug/L		09/23/25 14:48	09/25/25 08:43	1
Molinate	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 08:43	1
Naphthalene	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 08:43	1
Parathion	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 08:43	1
Pendimethalin (Penoxaline)	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 08:43	1
Phenanthrene	<0.039		0.039		ug/L		09/23/25 14:48	09/25/25 08:43	1
Propachlor	<0.049		0.049		ug/L		09/23/25 14:48	09/25/25 08:43	1
Pyrene	<0.049		0.049		ug/L		09/23/25 14:48	09/25/25 08:43	1
Simazine	<0.049		0.049		ug/L		09/23/25 14:48	09/25/25 08:43	1
Terbacil	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 08:43	1
Terbuthylazine	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 08:43	1
Thiobencarb	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 08:43	1
Total Permethrin (mixed isomers)	<0.20		0.20		ug/L		09/23/25 14:48	09/25/25 08:43	1
trans-Nonachlor	<0.049		0.049		ug/L		09/23/25 14:48	09/25/25 08:43	1
Trifluralin	<0.098		0.098		ug/L		09/23/25 14:48	09/25/25 08:43	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Decane	*2.10*	*T J N*	*ug/L*		*2.68*	*124-18-5*	*09/23/25 14:48*	*09/25/25 08:43*	*1*
Cyclopentasiloxane, decamethyl-	*0.501*	*T J N*	*ug/L*		*3.16*	*541-02-6*	*09/23/25 14:48*	*09/25/25 08:43*	*1*
Cyclohexasiloxane, dodecamethyl-	*0.581*	*T J N*	*ug/L*		*3.77*	*540-97-6*	*09/23/25 14:48*	*09/25/25 08:43*	*1*
Phenol, 4-(1,1-dimethylpropyl)-	*0.783*	*T J N*	*ug/L*		*4.15*	*80-46-6*	*09/23/25 14:48*	*09/25/25 08:43*	*1*
9-Octadecenamide, (Z)-	*0.912*	*T J N*	*ug/L*		*7.72*	*301-02-0*	*09/23/25 14:48*	*09/25/25 08:43*	*1*
13-Docosenamide, (Z)-	*0.700*	*T J N*	*ug/L*		*10.21*	*112-84-5*	*09/23/25 14:48*	*09/25/25 08:43*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*100*		*70 - 130*	*09/23/25 14:48*	*09/25/25 08:43*	*1*
Perylene-d12	*88*		*70 - 130*	*09/23/25 14:48*	*09/25/25 08:43*	*1*
Triphenylphosphate	*109*		*70 - 130*	*09/23/25 14:48*	*09/25/25 08:43*	*1*

Lab Sample ID: LCS 380-175803/22-A
Matrix: Water
Analysis Batch: 176196

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 175803

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	1.96	1.87		ug/L		95	70 - 130
2,4'-DDD	1.96	2.21		ug/L		113	70 - 130

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

Lab Sample ID: LCS 380-175803/22-A
Matrix: Water
Analysis Batch: 176196

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 175803

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4'-DDE	1.96	2.16		ug/L		110	70 - 130
2,4'-DDT	1.96	2.10		ug/L		107	70 - 130
2,4-Dinitrotoluene	1.96	2.16		ug/L		110	70 - 130
2,6-Dinitrotoluene	1.96	2.18		ug/L		111	70 - 130
2-Methylnaphthalene	1.96	2.03		ug/L		103	70 - 130
4,4'-DDD	1.96	2.37		ug/L		121	70 - 130
4,4'-DDE	1.96	2.18		ug/L		111	70 - 130
4,4'-DDT	1.96	2.21		ug/L		112	70 - 130
Acenaphthene	1.96	2.08		ug/L		106	70 - 130
Acenaphthylene	1.96	2.01		ug/L		102	70 - 130
Acetochlor	1.96	2.29		ug/L		117	70 - 130
Alachlor	1.96	2.36		ug/L		120	70 - 130
alpha-BHC	1.96	2.08		ug/L		106	70 - 130
alpha-Chlordane	1.96	2.30		ug/L		117	70 - 130
Anthracene	1.96	2.02		ug/L		103	70 - 130
Atrazine	1.96	2.18		ug/L		111	70 - 130
Benz(a)anthracene	1.96	2.15		ug/L		109	70 - 130
Benzo[a]pyrene	1.96	1.97		ug/L		100	70 - 130
Benzo[b]fluoranthene	1.96	2.18		ug/L		111	70 - 130
Benzo[g,h,i]perylene	1.96	2.05		ug/L		105	70 - 130
Benzo[k]fluoranthene	1.96	2.02		ug/L		103	70 - 130
beta-BHC	1.96	2.14		ug/L		109	70 - 130
Bis(2-ethylhexyl) phthalate	1.96	2.15		ug/L		110	70 - 130
Bromacil	1.96	2.27		ug/L		115	70 - 130
Butachlor	1.96	2.30		ug/L		117	70 - 130
Butylbenzylphthalate	1.96	2.38		ug/L		121	70 - 130
Chlorobenzilate	1.96	2.25		ug/L		114	70 - 130
Chloroneb	1.96	2.08		ug/L		106	70 - 130
Chlorothalonil (Draconil, Bravo)	1.96	2.08		ug/L		106	70 - 130
Chlorpyrifos	1.96	2.27		ug/L		116	70 - 130
Chrysene	1.96	2.04		ug/L		104	70 - 130
delta-BHC	1.96	2.13		ug/L		109	70 - 130
Di(2-ethylhexyl)adipate	1.96	2.38		ug/L		121	70 - 130
Dibenz(a,h)anthracene	1.96	2.14		ug/L		109	70 - 130
Diclorvos (DDVP)	1.96	2.42		ug/L		123	70 - 130
Dieldrin	1.96	2.28		ug/L		116	70 - 130
Diethylphthalate	1.96	2.21		ug/L		113	70 - 130
Dimethylphthalate	1.96	2.21		ug/L		112	70 - 130
Di-n-butyl phthalate	3.93	4.64		ug/L		118	70 - 130
Di-n-octyl phthalate	1.96	2.18		ug/L		111	70 - 130
Endosulfan I (Alpha)	1.96	2.11		ug/L		107	70 - 130
Endosulfan II (Beta)	1.96	2.17		ug/L		111	70 - 130
Endosulfan sulfate	1.96	2.10		ug/L		107	70 - 130
Endrin	1.96	2.44		ug/L		124	70 - 130
Endrin aldehyde	1.96	2.16		ug/L		110	60 - 130
EPTC	1.96	2.20		ug/L		112	70 - 130
Fluoranthene	1.96	2.21		ug/L		112	70 - 130
Fluorene	1.96	2.13		ug/L		108	70 - 130
gamma-Chlordane	1.96	2.27		ug/L		115	70 - 130

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

Lab Sample ID: LCS 380-175803/22-A
Matrix: Water
Analysis Batch: 176196

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 175803

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Heptachlor	1.96	2.29		ug/L		117	70 - 130
Heptachlor epoxide (isomer B)	1.96	2.28		ug/L		116	70 - 130
Hexachlorobenzene	1.96	2.05		ug/L		104	70 - 130
Hexachlorocyclopentadiene	1.96	2.10		ug/L		107	70 - 130
Indeno[1,2,3-cd]pyrene	1.96	2.06		ug/L		105	70 - 130
Isophorone	1.96	2.18		ug/L		111	70 - 130
Lindane	1.96	2.11		ug/L		108	70 - 130
Malathion	1.96	2.21		ug/L		112	70 - 130
Methoxychlor	1.96	2.22		ug/L		113	70 - 130
Metolachlor	1.96	2.26		ug/L		115	70 - 130
Molinate	1.96	2.20		ug/L		112	70 - 130
Naphthalene	1.96	2.24		ug/L		114	70 - 130
Parathion	1.96	2.21		ug/L		113	70 - 130
Pendimethalin (Penoxaline)	1.96	2.11		ug/L		108	70 - 130
Phenanthrene	1.96	2.07		ug/L		105	70 - 130
Propachlor	1.96	2.27		ug/L		116	70 - 130
Pyrene	1.96	2.25		ug/L		115	70 - 130
Simazine	1.96	2.42		ug/L		123	70 - 130
Terbacil	1.96	2.29		ug/L		117	70 - 130
Terbuthylazine	1.96	2.30		ug/L		117	70 - 130
Thiobencarb	1.96	2.32		ug/L		118	70 - 130
trans-Nonachlor	1.96	2.27		ug/L		116	70 - 130
Trifluralin	1.96	2.06		ug/L		105	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Nitro-m-xylene	*103*		*70 - 130*
Perylene-d12	*95*		*70 - 130*
Triphenylphosphate	*110*		*70 - 130*

Lab Sample ID: MRL 380-175803/21-A
Matrix: Water
Analysis Batch: 176196

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 175803

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	0.0982	0.110		ug/L		112	50 - 150
2,4'-DDD	0.0982	0.0898	J	ug/L		91	50 - 150
2,4'-DDE	0.0982	0.102		ug/L		104	50 - 150
2,4'-DDT	0.0982	0.117		ug/L		119	50 - 150
2,4-Dinitrotoluene	0.0982	0.114		ug/L		116	50 - 150
2,6-Dinitrotoluene	0.0982	0.127		ug/L		129	50 - 150
2-Methylnaphthalene	0.0982	0.110		ug/L		112	50 - 150
4,4'-DDD	0.0982	0.104		ug/L		106	50 - 150
4,4'-DDE	0.0982	0.0931	J	ug/L		95	50 - 150
4,4'-DDT	0.0982	0.128		ug/L		130	50 - 150
Acenaphthene	0.0982	0.102		ug/L		103	50 - 150
Acenaphthylene	0.0982	0.0936	J	ug/L		95	50 - 150
Acetochlor	0.0982	0.116		ug/L		118	50 - 150
Alachlor	0.0491	0.0574		ug/L		117	50 - 150

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

Lab Sample ID: MRL 380-175803/21-A
Matrix: Water
Analysis Batch: 176196

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 175803

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
alpha-BHC	0.0982	0.103		ug/L		105	50 - 150
alpha-Chlordane	0.0246	<0.028		ug/L		113	50 - 150
Anthracene	0.0196	0.0212		ug/L		108	50 - 150
Atrazine	0.0491	0.0674		ug/L		137	50 - 150
Benz(a)anthracene	0.0491	0.0529		ug/L		108	50 - 150
Benzo[a]pyrene	0.0196	0.0222		ug/L		113	50 - 150
Benzo[b]fluoranthene	0.0196	0.0234		ug/L		119	50 - 150
Benzo[g,h,i]perylene	0.0491	0.0512		ug/L		104	50 - 150
Benzo[k]fluoranthene	0.0196	0.0241		ug/L		123	50 - 150
beta-BHC	0.0982	0.106		ug/L		108	50 - 150
Bis(2-ethylhexyl) phthalate	0.589	0.648		ug/L		110	50 - 150
Bromacil	0.0982	0.124		ug/L		126	50 - 150
Butachlor	0.0491	0.0633		ug/L		129	50 - 150
Butylbenzylphthalate	0.491	0.646		ug/L		131	50 - 150
Chlorobenzilate	0.0982	0.121		ug/L		123	50 - 150
Chloroneb	0.0982	0.112		ug/L		114	50 - 150
Chlorothalonil (Draconil, Bravo)	0.0982	0.102		ug/L		103	50 - 150
Chlorpyrifos	0.0491	0.0550		ug/L		112	50 - 150
Chrysene	0.0196	0.0212		ug/L		108	50 - 150
delta-BHC	0.0982	0.0990		ug/L		101	50 - 150
Di(2-ethylhexyl)adipate	0.589	0.721		ug/L		122	50 - 150
Dibenz(a,h)anthracene	0.0491	0.0524		ug/L		107	50 - 150
Diclorvos (DDVP)	0.0491	0.0654		ug/L		133	50 - 150
Dieldrin	0.00982	0.0116		ug/L		118	50 - 150
Diethylphthalate	0.491	0.567		ug/L		115	50 - 150
Dimethylphthalate	0.491	0.569		ug/L		116	50 - 150
Di-n-butyl phthalate	0.491	0.694	J	ug/L		141	49 - 243
Di-n-octyl phthalate	0.0982	0.106		ug/L		108	50 - 150
Endosulfan I (Alpha)	0.0982	0.112		ug/L		114	50 - 150
Endosulfan II (Beta)	0.0982	0.108		ug/L		110	50 - 150
Endosulfan sulfate	0.0982	0.119		ug/L		121	50 - 150
Endrin	0.00982	0.0116		ug/L		118	50 - 150
Endrin aldehyde	0.0982	0.126		ug/L		128	50 - 150
EPTC	0.0982	0.103		ug/L		105	50 - 150
Fluoranthene	0.0982	0.101		ug/L		102	50 - 150
Fluorene	0.0491	0.0509		ug/L		104	50 - 150
gamma-Chlordane	0.0246	0.0242	J	ug/L		99	50 - 150
Heptachlor	0.00982	0.0120		ug/L		122	50 - 150
Heptachlor epoxide (isomer B)	0.00982	0.0122		ug/L		124	50 - 150
Hexachlorobenzene	0.0491	0.0467	J	ug/L		95	50 - 150
Hexachlorocyclopentadiene	0.0491	0.0596		ug/L		121	50 - 150
Indeno[1,2,3-cd]pyrene	0.0491	0.0526		ug/L		107	50 - 150
Isophorone	0.0982	0.129		ug/L		131	50 - 150
Lindane	0.00982	0.0138		ug/L		141	50 - 150
Malathion	0.0982	0.120		ug/L		122	50 - 150
Methoxychlor	0.0491	0.0635		ug/L		129	50 - 150
Metolachlor	0.0491	0.0613		ug/L		125	50 - 150
Molinate	0.0982	0.111		ug/L		113	50 - 150
Naphthalene	0.0982	0.107		ug/L		109	50 - 150

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

Lab Sample ID: MRL 380-175803/21-A
Matrix: Water
Analysis Batch: 176196

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 175803

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Parathion	0.0982	0.108		ug/L		110	50 - 150
Pendimethalin (Penoxaline)	0.0982	0.115		ug/L		117	50 - 150
Phenanthrene	0.0393	0.0437		ug/L		111	50 - 150
Propachlor	0.0491	0.0564		ug/L		115	50 - 150
Pyrene	0.0491	0.0506		ug/L		103	50 - 150
Simazine	0.0491	0.0551		ug/L		112	50 - 150
Terbacil	0.0982	0.131		ug/L		134	50 - 150
Terbuthylazine	0.0982	0.101		ug/L		103	50 - 150
Thiobencarb	0.0982	0.108		ug/L		110	50 - 150
trans-Nonachlor	0.0246	<0.026		ug/L		105	50 - 150
Trifluralin	0.0982	0.116		ug/L		118	50 - 150

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
2-Nitro-m-xylene	*101*		*70 - 130*
Perylene-d12	*92*		*70 - 130*
Triphenylphosphate	*108*		*70 - 130*

Lab Sample ID: 380-171902-AW-1-A MS
Matrix: Water
Analysis Batch: 176196

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 175803

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.098		1.98	1.88		ug/L		95	70 - 130
2,4'-DDD	<0.098		1.98	2.15		ug/L		109	70 - 130
2,4'-DDE	<0.098		1.98	2.05		ug/L		104	70 - 130
2,4'-DDT	<0.098		1.98	1.98		ug/L		100	70 - 130
2,4-Dinitrotoluene	<0.098		1.98	2.22		ug/L		112	70 - 130
2,6-Dinitrotoluene	<0.098		1.98	2.21		ug/L		112	70 - 130
2-Methylnaphthalene	<0.098		1.98	2.05		ug/L		103	70 - 130
4,4'-DDD	<0.098		1.98	2.27		ug/L		115	70 - 130
4,4'-DDE	<0.098		1.98	2.03		ug/L		103	70 - 130
4,4'-DDT	<0.098		1.98	2.03		ug/L		103	70 - 130
Acenaphthene	<0.098		1.98	2.08		ug/L		106	70 - 130
Acenaphthylene	<0.098		1.98	2.06		ug/L		104	70 - 130
Acetochlor	<0.098		1.98	2.31		ug/L		117	70 - 130
Alachlor	<0.049		1.98	2.42		ug/L		122	70 - 130
alpha-BHC	<0.098		1.98	2.06		ug/L		104	70 - 130
alpha-Chlordane	<0.049		1.98	2.28		ug/L		116	70 - 130
Anthracene	<0.020		1.98	1.84		ug/L		93	70 - 130
Atrazine	<0.049		1.98	2.17		ug/L		110	70 - 130
Benz(a)anthracene	<0.049		1.98	2.01		ug/L		102	70 - 130
Benzo[a]pyrene	<0.020		1.98	2.04		ug/L		103	70 - 130
Benzo[b]fluoranthene	<0.020		1.98	2.29		ug/L		116	70 - 130
Benzo[g,h,i]perylene	<0.049		1.98	1.98		ug/L		100	70 - 130
Benzo[k]fluoranthene	<0.020		1.98	2.08		ug/L		105	70 - 130
beta-BHC	<0.098		1.98	2.17		ug/L		110	70 - 130
Bis(2-ethylhexyl) phthalate	<0.59		1.98	2.02		ug/L		102	70 - 130
Bromacil	<0.098		1.98	2.31		ug/L		117	70 - 130

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

Lab Sample ID: 380-171902-AW-1-A MS
Matrix: Water
Analysis Batch: 176196

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 175803

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Butachlor	<0.049		1.98	2.29		ug/L		116	70 - 130
Butylbenzylphthalate	<0.49		1.98	2.35		ug/L		119	70 - 130
Chlorobenzilate	<0.098		1.98	2.26		ug/L		114	70 - 130
Chloroneb	<0.098		1.98	2.08		ug/L		105	70 - 130
Chlorothalonil (Draconil, Bravo)	<0.098		1.98	2.07		ug/L		105	70 - 130
Chlorpyrifos	<0.049		1.98	2.26		ug/L		114	70 - 130
Chrysene	<0.020		1.98	2.08		ug/L		106	70 - 130
delta-BHC	<0.098		1.98	2.19		ug/L		111	70 - 130
Di(2-ethylhexyl)adipate	<0.59		1.98	2.02		ug/L		102	70 - 130
Dibenz(a,h)anthracene	<0.049		1.98	2.04		ug/L		103	70 - 130
Diclorvos (DDVP)	<0.049		1.98	2.40		ug/L		122	70 - 130
Dieldrin	<0.0098		1.98	2.28		ug/L		115	70 - 130
Diethylphthalate	<0.49		1.98	2.26		ug/L		114	70 - 130
Dimethylphthalate	<0.49		1.98	2.23		ug/L		113	70 - 130
Di-n-butyl phthalate	<0.98		3.95	4.71		ug/L		109	70 - 130
Di-n-octyl phthalate	<0.098		1.98	2.00		ug/L		101	70 - 130
Endosulfan I (Alpha)	<0.098		1.98	2.10		ug/L		106	70 - 130
Endosulfan II (Beta)	<0.098		1.98	2.16		ug/L		109	70 - 130
Endosulfan sulfate	<0.098		1.98	2.14		ug/L		109	70 - 130
Endrin	<0.0098		1.98	2.47		ug/L		125	70 - 130
Endrin aldehyde	<0.098		1.98	1.87		ug/L		95	60 - 130
EPTC	<0.098		1.98	2.22		ug/L		112	70 - 130
Fluoranthene	<0.098		1.98	2.20		ug/L		112	70 - 130
Fluorene	<0.049		1.98	2.12		ug/L		107	70 - 130
gamma-Chlordane	<0.049		1.98	2.22		ug/L		112	70 - 130
Heptachlor	<0.0098		1.98	2.31		ug/L		117	70 - 130
Heptachlor epoxide (isomer B)	<0.0098		1.98	2.31		ug/L		117	70 - 130
Hexachlorobenzene	<0.049		1.98	2.01		ug/L		102	70 - 130
Hexachlorocyclopentadiene	<0.049		1.98	2.14		ug/L		109	70 - 130
Indeno[1,2,3-cd]pyrene	<0.049		1.98	2.04		ug/L		103	70 - 130
Isophorone	<0.098		1.98	2.17		ug/L		110	70 - 130
Lindane	<0.0098		1.98	2.15		ug/L		109	70 - 130
Malathion	<0.098		1.98	2.20		ug/L		112	70 - 130
Methoxychlor	<0.049		1.98	2.51		ug/L		127	70 - 130
Metolachlor	<0.049		1.98	2.30		ug/L		116	70 - 130
Molinate	<0.098		1.98	2.25		ug/L		114	70 - 130
Naphthalene	<0.098		1.98	2.24		ug/L		114	70 - 130
Parathion	<0.098		1.98	2.25		ug/L		114	70 - 130
Pendimethalin (Penoxaline)	<0.098		1.98	2.17		ug/L		110	70 - 130
Phenanthrene	<0.039		1.98	2.06		ug/L		104	70 - 130
Propachlor	<0.049		1.98	2.33		ug/L		118	70 - 130
Pyrene	<0.049		1.98	2.24		ug/L		113	70 - 130
Simazine	<0.049		1.98	2.41		ug/L		122	70 - 130
Terbacil	<0.098		1.98	2.24		ug/L		114	70 - 130
Terbuthylazine	<0.098		1.98	2.29		ug/L		116	70 - 130
Thiobencarb	<0.098		1.98	2.35		ug/L		119	70 - 130
trans-Nonachlor	<0.049		1.98	2.21		ug/L		112	70 - 130
Trifluralin	<0.098		1.98	2.13		ug/L		108	70 - 130

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

Lab Sample ID: 380-171902-AW-1-A MS
Matrix: Water
Analysis Batch: 176196

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 175803

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Nitro-m-xylene	*103*		*70 - 130*
Perylene-d12	*95*		*70 - 130*
Triphenylphosphate	*109*		*70 - 130*

Lab Sample ID: 380-171920-AB-1-A DU
Matrix: Water
Analysis Batch: 176196

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 175803

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1-Methylnaphthalene	<0.098			<0.098		ug/L				NC	20
2,4'-DDD	<0.098			<0.098		ug/L				NC	20
2,4'-DDE	<0.098			<0.098		ug/L				NC	20
2,4'-DDT	<0.098			<0.098		ug/L				NC	20
2,4-Dinitrotoluene	<0.098			<0.098		ug/L				NC	20
2,6-Dinitrotoluene	<0.098			<0.098		ug/L				NC	20
2-Methylnaphthalene	<0.098			<0.098		ug/L				NC	20
4,4'-DDD	<0.098			<0.098		ug/L				NC	20
4,4'-DDE	<0.098			<0.098		ug/L				NC	20
4,4'-DDT	<0.098			<0.098		ug/L				NC	20
Acenaphthene	<0.098			<0.098		ug/L				NC	20
Acenaphthylene	<0.098			<0.098		ug/L				NC	20
Acetochlor	<0.098			<0.098		ug/L				NC	20
Alachlor	<0.049			<0.049		ug/L				NC	20
alpha-BHC	<0.098			<0.098		ug/L				NC	20
alpha-Chlordane	<0.049			<0.049		ug/L				NC	20
Anthracene	<0.020			<0.020		ug/L				NC	20
Atrazine	<0.049			<0.049		ug/L				NC	20
Benz(a)anthracene	<0.049			<0.049		ug/L				NC	20
Benzo[a]pyrene	<0.020			<0.020		ug/L				NC	20
Benzo[b]fluoranthene	<0.020			<0.020		ug/L				NC	20
Benzo[g,h,i]perylene	<0.049			<0.049		ug/L				NC	20
Benzo[k]fluoranthene	<0.020			<0.020		ug/L				NC	20
beta-BHC	<0.098			<0.098		ug/L				NC	20
Bis(2-ethylhexyl) phthalate	<0.59			<0.59		ug/L				NC	20
Bromacil	<0.098			<0.098		ug/L				NC	20
Butachlor	<0.049			<0.049		ug/L				NC	20
Butylbenzylphthalate	<0.49			<0.49		ug/L				NC	20
Chlorobenzilate	<0.098			<0.098		ug/L				NC	20
Chloroneb	<0.098			<0.098		ug/L				NC	20
Chlorothalonil (Draconil, Bravo)	<0.098			<0.098		ug/L				NC	20
Chlorpyrifos	<0.049			<0.049		ug/L				NC	20
Chrysene	<0.020			<0.020		ug/L				NC	20
delta-BHC	<0.098			<0.098		ug/L				NC	20
Di(2-ethylhexyl)adipate	<0.59			<0.59		ug/L				NC	20
Dibenz(a,h)anthracene	<0.049			<0.049		ug/L				NC	20
Diclorvos (DDVP)	<0.049			<0.049		ug/L				NC	20
Dieldrin	<0.0098			<0.0098		ug/L				NC	20
Diethylphthalate	<0.49			<0.49		ug/L				NC	20

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

Lab Sample ID: 380-171920-AB-1-A DU
Matrix: Water
Analysis Batch: 176196

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 175803

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Dimethylphthalate	<0.49			<0.49		ug/L				NC	20
Di-n-butyl phthalate	<0.98			<0.98		ug/L				NC	20
Di-n-octyl phthalate	<0.098			<0.098		ug/L				NC	20
Endosulfan I (Alpha)	<0.098			<0.098		ug/L				NC	20
Endosulfan II (Beta)	<0.098			<0.098		ug/L				NC	20
Endosulfan sulfate	<0.098			<0.098		ug/L				NC	20
Endrin	<0.0098			<0.0098		ug/L				NC	20
Endrin aldehyde	<0.098			<0.098		ug/L				NC	20
EPTC	<0.098			<0.098		ug/L				NC	20
Fluoranthene	<0.098			<0.098		ug/L				NC	20
Fluorene	<0.049			<0.049		ug/L				NC	20
gamma-Chlordane	<0.049			<0.049		ug/L				NC	20
Heptachlor	<0.0098			<0.0098		ug/L				NC	20
Heptachlor epoxide (isomer B)	<0.0098			<0.0098		ug/L				NC	20
Hexachlorobenzene	<0.049			<0.049		ug/L				NC	20
Hexachlorocyclopentadiene	<0.049			<0.049		ug/L				NC	20
Indeno[1,2,3-cd]pyrene	<0.049			<0.049		ug/L				NC	20
Isophorone	<0.098			<0.098		ug/L				NC	20
Lindane	<0.0098			<0.0098		ug/L				NC	20
Malathion	<0.098			<0.098		ug/L				NC	20
Methoxychlor	<0.049			<0.049		ug/L				NC	20
Metolachlor	<0.049			<0.049		ug/L				NC	20
Molinate	<0.098			<0.098		ug/L				NC	20
Naphthalene	<0.098			<0.098		ug/L				NC	20
Parathion	<0.098			<0.098		ug/L				NC	20
Pendimethalin (Penoxaline)	<0.098			<0.098		ug/L				NC	20
Phenanthrene	<0.039			<0.039		ug/L				NC	20
Propachlor	<0.049			<0.049		ug/L				NC	20
Pyrene	<0.049			<0.049		ug/L				NC	20
Simazine	<0.049			<0.049		ug/L				NC	20
Terbacil	<0.098			<0.098		ug/L				NC	20
Terbuthylazine	<0.098			<0.098		ug/L				NC	20
Thiobencarb	<0.098			<0.098		ug/L				NC	20
Total Permethrin (mixed isomers)	<0.20			<0.20		ug/L				NC	20
trans-Nonachlor	<0.049			<0.049		ug/L				NC	20
Trifluralin	<0.098			<0.098		ug/L				NC	20

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
2-Nitro-m-xylene	*101*		*70 - 130*
Perylene-d12	*89*		*70 - 130*
Triphenylphosphate	*106*		*70 - 130*

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

Lab Sample ID: MB 570-629311/1-A
Matrix: Water
Analysis Batch: 637083

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 629311

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	09/23/25 04:30	10/08/25 00:34	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	85		33 - 139	09/23/25 04:30	10/08/25 00:34	1
2-Fluorobiphenyl (Surr)	89		33 - 126	09/23/25 04:30	10/08/25 00:34	1
2-Fluorophenol (Surr)	62		12 - 120	09/23/25 04:30	10/08/25 00:34	1
Nitrobenzene-d5 (Surr)	91		36 - 120	09/23/25 04:30	10/08/25 00:34	1
Phenol-d6 (Surr)	37		10 - 120	09/23/25 04:30	10/08/25 00:34	1
p-Terphenyl-d14 (Surr)	87		47 - 131	09/23/25 04:30	10/08/25 00:34	1

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

Lab Sample ID: MB 570-629311/1-A
Matrix: Water
Analysis Batch: 632467

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 629311

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.20		0.20		ug/L		09/23/25 04:30	09/29/25 07:30	1
2-Methylnaphthalene	<0.20		0.20		ug/L		09/23/25 04:30	09/29/25 07:30	1
Acenaphthene	<0.20		0.20		ug/L		09/23/25 04:30	09/29/25 07:30	1
Acenaphthylene	<0.20		0.20		ug/L		09/23/25 04:30	09/29/25 07:30	1
Anthracene	<0.20		0.20		ug/L		09/23/25 04:30	09/29/25 07:30	1
Benzo[a]anthracene	<0.20		0.20		ug/L		09/23/25 04:30	09/29/25 07:30	1
Benzo[a]pyrene	<0.20		0.20		ug/L		09/23/25 04:30	09/29/25 07:30	1
Benzo[b]fluoranthene	<0.20		0.20		ug/L		09/23/25 04:30	09/29/25 07:30	1
Benzo[g,h,i]perylene	<0.20		0.20		ug/L		09/23/25 04:30	09/29/25 07:30	1
Benzo[k]fluoranthene	<0.20		0.20		ug/L		09/23/25 04:30	09/29/25 07:30	1
Chrysene	<0.20		0.20		ug/L		09/23/25 04:30	09/29/25 07:30	1
Dibenz(a,h)anthracene	<0.20		0.20		ug/L		09/23/25 04:30	09/29/25 07:30	1
Fluoranthene	<0.20		0.20		ug/L		09/23/25 04:30	09/29/25 07:30	1
Fluorene	<0.20		0.20		ug/L		09/23/25 04:30	09/29/25 07:30	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20		ug/L		09/23/25 04:30	09/29/25 07:30	1
Naphthalene	0.625	B	0.20		ug/L		09/23/25 04:30	09/29/25 07:30	1
Phenanthrene	<0.20		0.20		ug/L		09/23/25 04:30	09/29/25 07:30	1
Pyrene	<0.20		0.20		ug/L		09/23/25 04:30	09/29/25 07:30	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	86		28 - 127	09/23/25 04:30	09/29/25 07:30	1
2-Fluorobiphenyl (Surr)	78		31 - 120	09/23/25 04:30	09/29/25 07:30	1
2-Fluorophenol (Surr)	57		17 - 120	09/23/25 04:30	09/29/25 07:30	1
Nitrobenzene-d5 (Surr)	94		27 - 120	09/23/25 04:30	09/29/25 07:30	1
Phenol-d6 (Surr)	39		10 - 120	09/23/25 04:30	09/29/25 07:30	1
p-Terphenyl-d14 (Surr)	88		45 - 120	09/23/25 04:30	09/29/25 07:30	1

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

Lab Sample ID: LCS 570-629311/2-A
Matrix: Water
Analysis Batch: 632467

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 629311

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	20.0	12.3		ug/L		62	47 - 120
2-Methylnaphthalene	20.0	11.8		ug/L		59	43 - 120
Acenaphthene	20.0	14.5		ug/L		73	60 - 132
Acenaphthylene	20.0	14.7		ug/L		74	54 - 126
Anthracene	20.0	15.2		ug/L		76	43 - 120
Benzo[a]anthracene	20.0	14.2		ug/L		71	42 - 133
Benzo[a]pyrene	20.0	14.7		ug/L		73	32 - 148
Benzo[b]fluoranthene	20.0	14.7		ug/L		73	42 - 140
Benzo[g,h,i]perylene	20.0	15.4		ug/L		77	1 - 195
Benzo[k]fluoranthene	20.0	15.1		ug/L		75	25 - 146
Chrysene	20.0	14.6		ug/L		73	44 - 140
Dibenz(a,h)anthracene	20.0	15.9		ug/L		80	1 - 200
Fluoranthene	20.0	15.1		ug/L		76	43 - 121
Fluorene	20.0	14.4		ug/L		72	70 - 120
Indeno[1,2,3-cd]pyrene	20.0	14.8		ug/L		74	1 - 151
Naphthalene	20.0	12.3		ug/L		62	36 - 120
Phenanthrene	20.0	14.9		ug/L		74	65 - 120
Pyrene	20.0	15.2		ug/L		76	70 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*73*		*28 - 127*
2-Fluorobiphenyl (Surr)	*69*		*31 - 120*
2-Fluorophenol (Surr)	*57*		*17 - 120*
Nitrobenzene-d5 (Surr)	*70*		*27 - 120*
Phenol-d6 (Surr)	*42*		*10 - 120*
p-Terphenyl-d14 (Surr)	*72*		*45 - 120*

Lab Sample ID: LCSD 570-629311/3-A
Matrix: Water
Analysis Batch: 632467

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 629311

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	20.0	13.0		ug/L		65	47 - 120	5	20
2-Methylnaphthalene	20.0	12.5		ug/L		63	43 - 120	6	20
Acenaphthene	20.0	15.2		ug/L		76	60 - 132	4	29
Acenaphthylene	20.0	15.4		ug/L		77	54 - 126	4	45
Anthracene	20.0	15.8		ug/L		79	43 - 120	4	40
Benzo[a]anthracene	20.0	14.4		ug/L		72	42 - 133	2	32
Benzo[a]pyrene	20.0	14.8		ug/L		74	32 - 148	1	43
Benzo[b]fluoranthene	20.0	14.8		ug/L		74	42 - 140	1	43
Benzo[g,h,i]perylene	20.0	16.4		ug/L		82	1 - 195	6	61
Benzo[k]fluoranthene	20.0	15.8		ug/L		79	25 - 146	5	38
Chrysene	20.0	15.2		ug/L		76	44 - 140	4	53
Dibenz(a,h)anthracene	20.0	16.7		ug/L		84	1 - 200	5	75
Fluoranthene	20.0	15.6		ug/L		78	43 - 121	3	40
Fluorene	20.0	15.1		ug/L		75	70 - 120	4	23
Indeno[1,2,3-cd]pyrene	20.0	15.7		ug/L		78	1 - 151	6	60
Naphthalene	20.0	12.9		ug/L		64	36 - 120	4	39

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

Lab Sample ID: LCSD 570-629311/3-A
Matrix: Water
Analysis Batch: 632467

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 629311

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phenanthrene			20.0	15.7		ug/L		78	65 - 120	5	24
Pyrene			20.0	15.6		ug/L		78	70 - 120	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*67*		*28 - 127*
2-Fluorobiphenyl (Surr)	*72*		*31 - 120*
2-Fluorophenol (Surr)	*52*		*17 120*
Nitrobenzene-d5 (Surr)	*70*		*27 - 120*
Phenol-d6 (Surr)	*39*		*10 - 120*
p-Terphenyl-d14 (Surr)	*73*		*45 - 120*

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

Lab Sample ID: MB 570-635834/11
Matrix: Water
Analysis Batch: 635834

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			10/05/25 17:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*38 - 134*		*10/05/25 17:30*	*1*

Lab Sample ID: LCS 570-635834/1009
Matrix: Water
Analysis Batch: 635834

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	410		ug/L		103	78 - 120		

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

Lab Sample ID: LCSD 570-635834/10
Matrix: Water
Analysis Batch: 635834

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	407		ug/L		102	78 - 120	1	10

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

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

Lab Sample ID: MRL 570-635834/1004
Matrix: Water
Analysis Batch: 635834

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	9.97	J	ug/L		100	50 - 150		

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

Lab Sample ID: 380-173388-B-1 MS
Matrix: Water
Analysis Batch: 635834

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	421		ug/L		105	68 - 122		

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

Lab Sample ID: 380-173388-B-1 MSD
Matrix: Water
Analysis Batch: 635834

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	424		ug/L		106	68 - 122	1	18

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

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

Lab Sample ID: MB 570-632540/1-A
Matrix: Water
Analysis Batch: 635719

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 632540

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<25		25		ug/L		09/29/25 09:54	10/05/25 00:50	1
Motor Oil Range Organics [C24-C36]	<25		25		ug/L		09/29/25 09:54	10/05/25 00:50	1
C8-C18	<25		25		ug/L		09/29/25 09:54	10/05/25 00:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*92*		*60 - 130*	*09/29/25 09:54*	*10/05/25 00:50*	*1*

Lab Sample ID: LCS 570-632540/2-A
Matrix: Water
Analysis Batch: 635719

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 632540

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28			1600	1590		ug/L		100	56 - 127		

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

Lab Sample ID: LCS 570-632540/2-A
Matrix: Water
Analysis Batch: 635719

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 632540

Surrogate	LCS %Recovery	LCS Qualifier	Limits
n-Octacosane (Surr)	92		60 - 130

Lab Sample ID: LCSD 570-632540/3-A
Matrix: Water
Analysis Batch: 635719

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 632540

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28			1600	1860		ug/L		116	56 - 127	15	23

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
n-Octacosane (Surr)	103		60 - 130

Lab Sample ID: MRL 570-632540/4-A
Matrix: Water
Analysis Batch: 635719

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 632540

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28			0.0200	0.0270		mg/L		135	50 - 150		

Surrogate	MRL %Recovery	MRL Qualifier	Limits
n-Octacosane (Surr)	84		60 - 130

Lab Sample ID: 380-173600-C-1-A MS
Matrix: Water
Analysis Batch: 635719

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 632540

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28	<26		1630	1980		ug/L		122	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
n-Octacosane (Surr)	107		60 - 130

Lab Sample ID: 380-173600-C-1-B MSD
Matrix: Water
Analysis Batch: 635719

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 632540

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28	<26		1640	1990		ug/L		121	70 - 130	0	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
n-Octacosane (Surr)	103		60 - 130

GC/MS Semi VOA

Prep Batch: 175803

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-172780-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	525.2	
380-172780-3	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Water	525.2	
MB 380-175803/20-A	Method Blank	Total/NA	Water	525.2	
LCS 380-175803/22-A	Lab Control Sample	Total/NA	Water	525.2	
MRL 380-175803/21-A	Lab Control Sample	Total/NA	Water	525.2	
380-171902-AW-1-A MS	Matrix Spike	Total/NA	Water	525.2	
380-171920-AB-1-A DU	Duplicate	Total/NA	Water	525.2	

Analysis Batch: 176196

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-172780-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	525.2	175803
380-172780-3	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Water	525.2	175803
MB 380-175803/20-A	Method Blank	Total/NA	Water	525.2	175803
LCS 380-175803/22-A	Lab Control Sample	Total/NA	Water	525.2	175803
MRL 380-175803/21-A	Lab Control Sample	Total/NA	Water	525.2	175803
380-171902-AW-1-A MS	Matrix Spike	Total/NA	Water	525.2	175803
380-171920-AB-1-A DU	Duplicate	Total/NA	Water	525.2	175803

Prep Batch: 629311

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-172780-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	625.1	
380-172780-3	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Water	625.1	
MB 570-629311/1-A	Method Blank	Total/NA	Water	625.1	
LCS 570-629311/2-A	Lab Control Sample	Total/NA	Water	625.1	
LCSD 570-629311/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	

Analysis Batch: 632467

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-172780-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	625.1 SIM	629311
380-172780-3	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Water	625.1 SIM	629311
MB 570-629311/1-A	Method Blank	Total/NA	Water	625.1 SIM	629311
LCS 570-629311/2-A	Lab Control Sample	Total/NA	Water	625.1 SIM	629311
LCSD 570-629311/3-A	Lab Control Sample Dup	Total/NA	Water	625.1 SIM	629311

Analysis Batch: 637083

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-172780-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	625.1	629311
380-172780-3	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Water	625.1	629311
MB 570-629311/1-A	Method Blank	Total/NA	Water	625.1	629311

GC VOA

Analysis Batch: 635834

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-172780-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	8015B GRO LL	
380-172780-2	TB: AIEA GULCH WELLS PUMP 1 (331-201-TPC	Total/NA	Drinking Water	8015B GRO LL	
380-172780-3	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Water	8015B GRO LL	
380-172780-4	TB: AIEA GULCH WELLS PUMP 2 (331-202-TPC	Total/NA	Water	8015B GRO LL	
MB 570-635834/11	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-635834/1009	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-635834/10	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	

GC VOA (Continued)

Analysis Batch: 635834 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MRL 570-635834/1004	Lab Control Sample	Total/NA	Water	8015B GRO LL	
380-173388-B-1 MS	Matrix Spike	Total/NA	Water	8015B GRO LL	
380-173388-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B GRO LL	

GC Semi VOA

Prep Batch: 632540

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-172780-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	3510C	
380-172780-3	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Water	3510C	
MB 570-632540/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-632540/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-632540/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MRL 570-632540/4-A	Lab Control Sample	Total/NA	Water	3510C	
380-173600-C-1-A MS	Matrix Spike	Total/NA	Water	3510C	
380-173600-C-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	

Analysis Batch: 635719

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-172780-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	8015B	632540
380-172780-3	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Water	8015B	632540
MB 570-632540/1-A	Method Blank	Total/NA	Water	8015B	632540
LCS 570-632540/2-A	Lab Control Sample	Total/NA	Water	8015B	632540
LCSD 570-632540/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	632540
MRL 570-632540/4-A	Lab Control Sample	Total/NA	Water	8015B	632540
380-173600-C-1-A MS	Matrix Spike	Total/NA	Water	8015B	632540
380-173600-C-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	8015B	632540

Lab Chronicle

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

Job ID: 380-172780-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

Lab Sample ID: 380-172780-1

Date Collected: 09/22/25 10:40
Date Received: 09/23/25 10:20

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			175803	IQ42	EA POM	09/23/25 14:48
Total/NA	Analysis	525.2		1	176196	UPAC	EA POM	09/25/25 14:10
Total/NA	Prep	625.1			629311	H1SH	EET CAL 4	09/24/25 04:30
Total/NA	Analysis	625.1		1	637083	J7WE	EET CAL 4	10/08/25 00:58
Total/NA	Prep	625.1			629311	H1SH	EET CAL 4	09/24/25 04:30
Total/NA	Analysis	625.1 SIM		1	632467	PQS1	EET CAL 4	09/29/25 10:29
Total/NA	Analysis	8015B GRO LL		1	635834	YD9V	EET CAL 4	10/05/25 21:31
Total/NA	Prep	3510C			632540	TVD6	EET CAL 4	09/29/25 09:55
Total/NA	Analysis	8015B		1	635719	H6FE	EET CAL 4	10/05/25 07:16

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

Lab Sample ID: 380-172780-2

Date Collected: 09/22/25 10:40
Date Received: 09/23/25 10:20

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015B GRO LL		1	635834	YD9V	EET CAL 4	10/06/25 01:12

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

Lab Sample ID: 380-172780-3

Date Collected: 09/22/25 10:58
Date Received: 09/23/25 10:20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			175803	IQ42	EA POM	09/23/25 14:48
Total/NA	Analysis	525.2		1	176196	UPAC	EA POM	09/25/25 14:30
Total/NA	Prep	625.1			629311	H1SH	EET CAL 4	09/24/25 04:30
Total/NA	Analysis	625.1		1	637083	J7WE	EET CAL 4	10/08/25 01:23
Total/NA	Prep	625.1			629311	H1SH	EET CAL 4	09/24/25 04:30
Total/NA	Analysis	625.1 SIM		1	632467	PQS1	EET CAL 4	09/29/25 10:52
Total/NA	Analysis	8015B GRO LL		1	635834	YD9V	EET CAL 4	10/05/25 21:11
Total/NA	Prep	3510C			632540	TVD6	EET CAL 4	09/29/25 09:55
Total/NA	Analysis	8015B		1	635719	H6FE	EET CAL 4	10/05/25 07:38

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

Lab Sample ID: 380-172780-4

Date Collected: 09/22/25 10:58
Date Received: 09/23/25 10:20

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	635834	YD9V	EET CAL 4	10/06/25 00:52

Lab Chronicle

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

Job ID: 380-172780-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

Laboratory References:

EA POM = Eurofins Eaton Analytical 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: 380-172780-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

Laboratory: Eurofins Eaton Analytical 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 the governing authority. 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
525 2	525 2	Water	1 Methylnaphthalene
525.2	525.2	Water	2,4'-DDD
525.2	525.2	Water	2,4'-DDE
525.2	525.2	Water	2,4'-DDT
525.2	525.2	Water	2,4-Dinitrotoluene
525.2	525.2	Water	2,6-Dinitrotoluene
525.2	525.2	Water	2-Methylnaphthalene
525.2	525.2	Water	4,4'-DDD
525.2	525.2	Water	4,4'-DDE
525.2	525.2	Water	4,4'-DDT
525.2	525.2	Water	Acetochlor

Laboratory: Eurofins Eaton Analytical Pomona (Continued)

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

Authority	Program	Identification Number	Expiration Date

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

Analysis Method	Prep Method	Matrix	Analyte
525.2	525.2	Water	alpha-BHC
525.2	525.2	Water	alpha-Chlordane
525.2	525.2	Water	beta-BHC
525.2	525.2	Water	Chlorobenzilate
525.2	525.2	Water	Chloroneb
525.2	525.2	Water	Chlorothalonil (Draconil, Bravo)
525.2	525.2	Water	Chlorpyrifos
525.2	525.2	Water	delta-BHC
525.2	525.2	Water	Diclorvos (DDVP)
525.2	525.2	Water	Endosulfan I (Alpha)
525.2	525.2	Water	Endosulfan II (Beta)
525.2	525.2	Water	Endosulfan sulfate
525.2	525.2	Water	Endrin aldehyde
525.2	525.2	Water	EPTC
525.2	525.2	Water	gamma-Chlordane
525.2	525.2	Water	Isophorone
525.2	525.2	Water	Malathion
525.2	525.2	Water	Parathion
525.2	525.2	Water	Pendimethalin (Penoxaline)
525.2	525.2	Water	Terbacil
525.2	525.2	Water	Terbuthylazine
525.2	525.2	Water	Total Permethrin (mixed isomers)
525.2	525.2	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	03-02-26
Arizona	State	AZ0830	11-16-25
California	Los Angeles County Sanitation Districts	9257304	07-31-26
California	SCAQMD LAP	17LA0919	11-30-25
California	State	3082	07-31-26
Kansas	NELAP	E-10420	07-31-26
Nevada	State	CA00111	10-08-25
Oregon	NELAP	4175	02-02-26
USDA	US Federal Programs	525-23-159-97150	06-08-26
Utah	NELAP	CA00111	02-28-26
Washington	State	C916	10-11-25

Method Summary

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

Job ID: 380-172780-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

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

Protocol References:

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

Laboratory References:

EA POM = Eurofins Eaton Analytical 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: 380-172780-1
SDG: Weekly: Aiea Gulch Wells Pump 1/Pump 2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	PWSID Number
380-172780-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Drinking Water	09/22/25 10:40	09/23/25 10:20	HI0000331
380-172780-2	TB: AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Drinking Water	09/22/25 10:40	09/23/25 10:20	
380-172780-3	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Water	09/22/25 10:58	09/23/25 10:20	HI0000331
380-172780-4	TB: AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Water	09/22/25 10:58	09/23/25 10:20	

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

Chain of Custody Record

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Client Information	Sampler: bailey	Lab PM: Lopez, Maria	Carrier Tracking No(s):	COC No: 380-28005-2757 1
Client Contact: Mr Kirk Iwamoto	Phone: +1 808 748 5840	E-Mail: Maria.Lopez@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: City & County of Honolulu	PWSID:			Job #:
Address: 630 South Beretania Street Chemistry Lab	Due Date Requested:			
City: Honolulu	TAT Requested (days):			
State, Zip: HI, 96843	Compliance Project: Δ Yes Δ No			
Phone: 808-748-5840 (Tel)	PO #: C20525101 exp 05312023			
Email: kiwamoto@hbws.org	WO #:			
Project Name: RED-HILL/HBWS Sites Event Desc: RUSH Weekly Red Hill	Project #: 38001111			
Site: Hawaii	SSOW#:			

Analysis Requested

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

Other: 380-172780 COC

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	626.1, 626.1_SIM	8015B_GRO_LL - (MOD) GRO	8015B_DRO_LL_C9 - 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	22-Sep-2025	1040	G	Water			2	3	2	2				1 OF 2 ARRIVED BROKEN -GR 09/23/25
Aiea Gulch Wells Pump 1 (Matrix Spike)				Water										
Aiea Gulch Wells Pump 1 (Matrix Spike Duplicate)				Water										
TB: Aiea Gulch Wells Pump 1	22-Sep-2025	1040		Water				2						
Aiea Gulch Wells Pump 2	22-Sep-2025	1058	G	Water			2	3	2	2				
Aiea Gulch Wells Pump 2 (Matrix Spike)				Water										
Aiea Gulch Wells Pump 2 (Matrix Spike Duplicate)				Water										
TB: Aiea Gulch Wells Pump 2	22-Sep-2025	1058		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: (1) 8845 8409 2778 (2) 8845 8409 2789

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment: FEDEx (3) 8845 8409 2790

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[redacted]	22Sept.2025 1400	HBWS		09/23/25 10:20	EEAP
	Date/Time:	Company	Received by	Date/Time:	Company
Relinquished by	Date/Time:	Company	Received by	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.

Cooler Temperature(s) °C and Other Remarks: 475/K (1) 2.9 - 0.0 = 2.9 (2) 3.0 - 0.0 = 3.0 (3) 2.5 - 0.0 = 2.5 GEL - FROZEN

Ver: 04/02/2024

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

Chain of Custody Record

eurofins | E

Loc: 380
172780

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Lopez, Maria	Carrier Tracking No(s): N/A	COC No: 380-256324.1
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,		Accreditations Required (See note): State - Hawaii		Job #: 380-172780-1
Address: 2841 Dow Avenue, Suite 100,	Due Date Requested: 10/6/2025	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)	8016B_DRO_LL_CS/3510C_LLHNL Ranges: C10-C24/C24-C36/C8-C18	625.1_SIM/625_Prep(MOD) Extended PAH List	8016B_GRO_LL/5030C(MOD) GRO	Number of containers	Special Instructions/Note:
			Preservation Code:								
AIEA GULCH WELLS PUMP 1 (331-201-TP071) (380-172780-1)	9/22/25	10:40 Hawaiian	G	Water			X	X	X	6	MRLs are needed. Confirm any hits >RL.
TB: AIEA GULCH WELLS PUMP 1 (331-201-TP071) (380-172780	9/22/25	10:40 Hawaiian	G	Water					X	2	MRLs are needed.
AIEA GULCH WELLS PUMP 2 (331-202-TP072) (380-172780-3)	9/22/25	10:58 Hawaiian	G	Water			X	X	X	6	MRLs are needed. Confirm any hits >RL.
TB: AIEA GULCH WELLS PUMP 2 (331-202-TP072) (380-172780	9/22/25	10:58 Hawaiian	G	Water					X	2	MRLs are needed.

380-172780 Chain of Custody

Note: Since laboratory accreditations are subject to change, Eurofins Eaton Analytical, 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 Eaton Analytical, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Eaton Analytical, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Eaton Analytical, LLC.

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

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Mark Urrutia	9/23/25 1500	EEAP		9-23-25 1509	EAP
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	9-23-25 1620	EAP		9/23/25 16:20	EC
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.1/2.5 2.0/3.4 SCR

Ver: 10/10/2024

10/10/2025

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-172780-1
SDG Number: Weekly: Aiea Gulch Wells Pump 1/Pump 2

Login Number: 172780
List Number: 1
Creator: Segura, Ryan

List Source: Eurofins Eaton Analytical 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.	False	
Sample collection date/times are provided.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
ClO4 headspace requirement met (>50% for CA, >30% for other states).	True	
Samples do not require splitting or compositing.	True	
Container provided by EEA	True	

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-172780-1
SDG Number: Weekly: Aiea Gulch Wells Pump 1/Pump 2

Login Number: 172780
List Number: 2
Creator: Khana, Piyush

List Source: Eurofins Calscience
List Creation: 09/23/25 06:21 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.	N/A	
Sample custody seals, if present, are intact.	N/A	
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	3.4
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	