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ANALYTICAL REPORT

PREPARED FOR

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

Generated 2/24/2025 10:20:53 AM

JOB DESCRIPTION

RED-HILL
Weekly
RUSH Weekly Red Hill

JOB NUMBER

380-133893-1

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

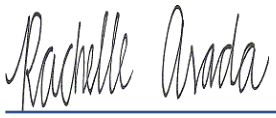
This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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: 380-133893-1
SDG: Weekly

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
^3+	Reporting Limit Check Standard is outside acceptance limits, high biased
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA TICs

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

GC Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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
380-133893-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 2/5/2025 10:26 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 0.3°C, 0.7°C, 1.0°C and 3.2°C.

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

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

Diesel Range Organics
Method 8015B_DRO_LL_CS: The method reporting limit check (MRL) for preparation batch 570-531752 and analytical batch 570-532732 recovered outside control limits for the following analytes: C10-C28. These analytes were biased high in the MRL and were not detected in the associated samples; therefore, the data have been reported.

Method 8015B_DRO_LL_CS: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 570-531752 and analytical batch 570-532732 recovered outside control limits for the following analytes: C10-C28. Laboratory control sample / laboratory control sample duplicate (LCS/LCSD) percent recovery is in control for affected analytes.

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

Detection Summary

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

Job ID: 380-133893-1
SDG: Weekly

Client Sample ID: AIEA GULCH WELLS PUMP 1 (331-201-TP071)
Lab Sample ID: 380-133893-1

PWSID Number: HI0000331

No Detections.

Client Sample ID: AIEA GULCH WELLS PUMP 2 (331-202-TP072)
Lab Sample ID: 380-133893-2

PWSID Number: HI0000331

No Detections.

Client Sample ID: TB:AIEA GULCH WELLS P1 (331-201-TP071)
Lab Sample ID: 380-133893-3

No Detections.

Client Sample ID: TB:AIEA GULCH WELLS P2 (331-202-TP072)
Lab Sample ID: 380-133893-4

No Detections.

This Detection Summary does not include radiochemical test results.

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

Job ID: 380-133893-1
SDG: Weekly

Client Sample ID: AIEA GULCH WELLS PUMP 1 (331-201-TP071)
Date Collected: 02/03/25 10:32
Date Received: 02/05/25 10:26

Lab Sample ID: 380-133893-1
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	<0.099		0.099		ug/L		02/06/25 08:01	02/07/25 14:56	1
2,4'-DDD	<0.099		0.099		ug/L		02/06/25 08:01	02/07/25 14:56	1
2,4'-DDE	<0.099		0.099		ug/L		02/06/25 08:01	02/07/25 14:56	1
2,4'-DDT	<0.099		0.099		ug/L		02/06/25 08:01	02/07/25 14:56	1
2,4-Dinitrotoluene	<0.099		0.099		ug/L		02/06/25 08:01	02/07/25 14:56	1
2,6-Dinitrotoluene	<0.099		0.099		ug/L		02/06/25 08:01	02/07/25 14:56	1
2-Methylnaphthalene	<0.099		0.099		ug/L		02/06/25 08:01	02/07/25 14:56	1
4,4'-DDD	<0.099		0.099		ug/L		02/06/25 08:01	02/07/25 14:56	1
4,4'-DDE	<0.099		0.099		ug/L		02/06/25 08:01	02/07/25 14:56	1
4,4'-DDT	<0.099		0.099		ug/L		02/06/25 08:01	02/07/25 14:56	1
Acenaphthene	<0.099		0.099		ug/L		02/06/25 08:01	02/07/25 14:56	1
Acenaphthylene	<0.099		0.099		ug/L		02/06/25 08:01	02/07/25 14:56	1
Acetochlor	<0.099		0.099		ug/L		02/06/25 08:01	02/07/25 14:56	1
Alachlor	<0.049		0.049		ug/L		02/06/25 08:01	02/07/25 14:56	1
alpha-BHC	<0.099		0.099		ug/L		02/06/25 08:01	02/07/25 14:56	1
alpha-Chlordane	<0.049		0.049		ug/L		02/06/25 08:01	02/07/25 14:56	1
Anthracene	<0.020		0.020		ug/L		02/06/25 08:01	02/07/25 14:56	1
Atrazine	<0.049		0.049		ug/L		02/06/25 08:01	02/07/25 14:56	1
Benz(a)anthracene	<0.049		0.049		ug/L		02/06/25 08:01	02/07/25 14:56	1
Benzo[a]pyrene	<0.020		0.020		ug/L		02/06/25 08:01	02/07/25 14:56	1
Benzo[b]fluoranthene	<0.020		0.020		ug/L		02/06/25 08:01	02/07/25 14:56	1
Benzo[g,h,i]perylene	<0.049		0.049		ug/L		02/06/25 08:01	02/07/25 14:56	1
Benzo[k]fluoranthene	<0.020		0.020		ug/L		02/06/25 08:01	02/07/25 14:56	1
beta-BHC	<0.099		0.099		ug/L		02/06/25 08:01	02/07/25 14:56	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59		ug/L		02/06/25 08:01	02/07/25 14:56	1
Bromacil	<0.099		0.099		ug/L		02/06/25 08:01	02/07/25 14:56	1
Butachlor	<0.049		0.049		ug/L		02/06/25 08:01	02/07/25 14:56	1
Butylbenzylphthalate	<0.49		0.49		ug/L		02/06/25 08:01	02/07/25 14:56	1
Chlorobenzilate	<0.099		0.099		ug/L		02/06/25 08:01	02/07/25 14:56	1
Chloroneb	<0.099		0.099		ug/L		02/06/25 08:01	02/07/25 14:56	1
Chlorothalonil (Draconil, Bravo)	<0.099		0.099		ug/L		02/06/25 08:01	02/07/25 14:56	1
Chlorpyrifos	<0.049		0.049		ug/L		02/06/25 08:01	02/07/25 14:56	1
Chrysene	<0.020		0.020		ug/L		02/06/25 08:01	02/07/25 14:56	1
delta-BHC	<0.099		0.099		ug/L		02/06/25 08:01	02/07/25 14:56	1
Di(2-ethylhexyl)adipate	<0.59		0.59		ug/L		02/06/25 08:01	02/07/25 14:56	1
Dibenz(a,h)anthracene	<0.049		0.049		ug/L		02/06/25 08:01	02/07/25 14:56	1
Diclorvos (DDVP)	<0.049		0.049		ug/L		02/06/25 08:01	02/07/25 14:56	1
Dieldrin	<0.0099	^3+	0.0099		ug/L		02/06/25 08:01	02/07/25 14:56	1
Diethylphthalate	<0.49		0.49		ug/L		02/06/25 08:01	02/07/25 14:56	1
Dimethylphthalate	<0.49		0.49		ug/L		02/06/25 08:01	02/07/25 14:56	1
Di-n-butyl phthalate	<0.99		0.99		ug/L		02/06/25 08:01	02/07/25 14:56	1
Di-n-octyl phthalate	<0.099		0.099		ug/L		02/06/25 08:01	02/07/25 14:56	1
Endosulfan I (Alpha)	<0.099		0.099		ug/L		02/06/25 08:01	02/07/25 14:56	1
Endosulfan II (Beta)	<0.099		0.099		ug/L		02/06/25 08:01	02/07/25 14:56	1
Endosulfan sulfate	<0.099		0.099		ug/L		02/06/25 08:01	02/07/25 14:56	1
Endrin	<0.0099		0.0099		ug/L		02/06/25 08:01	02/07/25 14:56	1
Endrin aldehyde	<0.099		0.099		ug/L		02/06/25 08:01	02/07/25 14:56	1
EPTC	<0.099		0.099		ug/L		02/06/25 08:01	02/07/25 14:56	1

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

Lab Sample ID: 380-133893-1

Date Collected: 02/03/25 10:32
Date Received: 02/05/25 10:26

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	<0.099		0.099		ug/L		02/06/25 08:01	02/07/25 14:56	1
Fluorene	<0.049		0.049		ug/L		02/06/25 08:01	02/07/25 14:56	1
gamma-Chlordane	<0.049		0.049		ug/L		02/06/25 08:01	02/07/25 14:56	1
Heptachlor	<0.0099		0.0099		ug/L		02/06/25 08:01	02/07/25 14:56	1
Heptachlor epoxide (isomer B)	<0.0099		0.0099		ug/L		02/06/25 08:01	02/07/25 14:56	1
Hexachlorobenzene	<0.049		0.049		ug/L		02/06/25 08:01	02/07/25 14:56	1
Hexachlorocyclopentadiene	<0.049		0.049		ug/L		02/06/25 08:01	02/07/25 14:56	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049		ug/L		02/06/25 08:01	02/07/25 14:56	1
Isophorone	<0.099		0.099		ug/L		02/06/25 08:01	02/07/25 14:56	1
Lindane	<0.0099	^3+	0.0099		ug/L		02/06/25 08:01	02/07/25 14:56	1
Malathion	<0.099		0.099		ug/L		02/06/25 08:01	02/07/25 14:56	1
Methoxychlor	<0.049		0.049		ug/L		02/06/25 08:01	02/07/25 14:56	1
Metolachlor	<0.049		0.049		ug/L		02/06/25 08:01	02/07/25 14:56	1
Molinate	<0.099		0.099		ug/L		02/06/25 08:01	02/07/25 14:56	1
Naphthalene	<0.099		0.099		ug/L		02/06/25 08:01	02/07/25 14:56	1
Parathion	<0.099		0.099		ug/L		02/06/25 08:01	02/07/25 14:56	1
Pendimethalin (Penoxaline)	<0.099		0.099		ug/L		02/06/25 08:01	02/07/25 14:56	1
Phenanthrene	<0.039		0.039		ug/L		02/06/25 08:01	02/07/25 14:56	1
Propachlor	<0.049		0.049		ug/L		02/06/25 08:01	02/07/25 14:56	1
Pyrene	<0.049		0.049		ug/L		02/06/25 08:01	02/07/25 14:56	1
Simazine	<0.049		0.049		ug/L		02/06/25 08:01	02/07/25 14:56	1
Terbacil	<0.099		0.099		ug/L		02/06/25 08:01	02/07/25 14:56	1
Terbuthylazine	<0.099		0.099		ug/L		02/06/25 08:01	02/07/25 14:56	1
Thiobencarb	<0.099		0.099		ug/L		02/06/25 08:01	02/07/25 14:56	1
Total Permethrin (mixed isomers)	<0.20		0.20		ug/L		02/06/25 08:01	02/07/25 14:56	1
trans-Nonachlor	<0.049		0.049		ug/L		02/06/25 08:01	02/07/25 14:56	1
Trifluralin	<0.099		0.099		ug/L		02/06/25 08:01	02/07/25 14:56	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*	*02/06/25 08:01*	*02/07/25 14:56*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*98*		*70 - 130*	*02/06/25 08:01*	*02/07/25 14:56*	*1*
Perylene-d12	*96*		*70 - 130*	*02/06/25 08:01*	*02/07/25 14:56*	*1*
Triphenylphosphate	*99*		*70 - 130*	*02/06/25 08:01*	*02/07/25 14:56*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.20		0.20		ug/L		02/07/25 05:29	02/14/25 14:36	1
2-Methylnaphthalene	<0.20		0.20		ug/L		02/07/25 05:29	02/14/25 14:36	1
Acenaphthene	<0.20		0.20		ug/L		02/07/25 05:29	02/14/25 14:36	1
Acenaphthylene	<0.20		0.20		ug/L		02/07/25 05:29	02/14/25 14:36	1
Anthracene	<0.20		0.20		ug/L		02/07/25 05:29	02/14/25 14:36	1
Benzo[a]anthracene	<0.20		0.20		ug/L		02/07/25 05:29	02/14/25 14:36	1
Benzo[a]pyrene	<0.20		0.20		ug/L		02/07/25 05:29	02/14/25 14:36	1
Benzo[b]fluoranthene	<0.20		0.20		ug/L		02/07/25 05:29	02/14/25 14:36	1
Benzo[g,h,i]perylene	<0.20		0.20		ug/L		02/07/25 05:29	02/14/25 14:36	1
Benzo[k]fluoranthene	<0.20		0.20		ug/L		02/07/25 05:29	02/14/25 14:36	1
Chrysene	<0.20		0.20		ug/L		02/07/25 05:29	02/14/25 14:36	1

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

Lab Sample ID: 380-133893-1

Date Collected: 02/03/25 10:32
Date Received: 02/05/25 10:26

Matrix: Drinking Water
PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	<0.20		0.20		ug/L		02/07/25 05:29	02/14/25 14:36	1
Fluoranthene	<0.20		0.20		ug/L		02/07/25 05:29	02/14/25 14:36	1
Fluorene	<0.20		0.20		ug/L		02/07/25 05:29	02/14/25 14:36	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20		ug/L		02/07/25 05:29	02/14/25 14:36	1
Naphthalene	<0.20		0.20		ug/L		02/07/25 05:29	02/14/25 14:36	1
Phenanthrene	<0.20		0.20		ug/L		02/07/25 05:29	02/14/25 14:36	1
Pyrene	<0.20		0.20		ug/L		02/07/25 05:29	02/14/25 14:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*87*		*28 - 127*	*02/07/25 05:29*	*02/14/25 14:36*	*1*
2-Fluorobiphenyl (Surr)	*78*		*31 - 120*	*02/07/25 05:29*	*02/14/25 14:36*	*1*
2-Fluorophenol (Surr)	*51*		*17 - 120*	*02/07/25 05:29*	*02/14/25 14:36*	*1*
Nitrobenzene-d5 (Surr)	*79*		*27 - 120*	*02/07/25 05:29*	*02/14/25 14:36*	*1*
Phenol-d6 (Surr)	*32*		*10 - 120*	*02/07/25 05:29*	*02/14/25 14:36*	*1*
p-Terphenyl-d14 (Surr)	*78*		*45 - 120*	*02/07/25 05:29*	*02/14/25 14:36*	*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*
2-Pentenal, (E)-	*8.9*	*T J N*	*ug/L*		*2.81*	*1576-87-0*	*02/07/25 05:29*	*02/17/25 17:15*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*99*		*33 - 139*	*02/07/25 05:29*	*02/17/25 17:15*	*1*
2-Fluorobiphenyl (Surr)	*78*		*33 - 126*	*02/07/25 05:29*	*02/17/25 17:15*	*1*
2-Fluorophenol (Surr)	*57*		*12 - 120*	*02/07/25 05:29*	*02/17/25 17:15*	*1*
Nitrobenzene-d5 (Surr)	*93*		*36 - 120*	*02/07/25 05:29*	*02/17/25 17:15*	*1*
Phenol-d6 (Surr)	*32*		*10 - 120*	*02/07/25 05:29*	*02/17/25 17:15*	*1*
p-Terphenyl-d14 (Surr)	*84*		*47 - 131*	*02/07/25 05:29*	*02/17/25 17:15*	*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			02/13/25 16:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*38 - 134*		*02/13/25 16:36*	*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)	<27		27		ug/L		02/09/25 14:11	02/22/25 02:23	1
Motor Oil Range Organics [C24-C36]	<27		27		ug/L		02/09/25 14:11	02/22/25 02:23	1
C8-C18	<27		27		ug/L		02/09/25 14:11	02/22/25 02:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*80*		*60 - 130*	*02/09/25 14:11*	*02/22/25 02:23*	*1*

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

Job ID: 380-133893-1
SDG: Weekly

Client Sample ID: AIEA GULCH WELLS PUMP 2 (331-202-TP072)
Date Collected: 02/03/25 10:00
Date Received: 02/05/25 10:26

Lab Sample ID: 380-133893-2
Matrix: Drinking Water
PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.097		0.097		ug/L		02/06/25 08:01	02/07/25 15:16	1
2,4'-DDD	<0.097		0.097		ug/L		02/06/25 08:01	02/07/25 15:16	1
2,4'-DDE	<0.097		0.097		ug/L		02/06/25 08:01	02/07/25 15:16	1
2,4'-DDT	<0.097		0.097		ug/L		02/06/25 08:01	02/07/25 15:16	1
2,4-Dinitrotoluene	<0.097		0.097		ug/L		02/06/25 08:01	02/07/25 15:16	1
2,6-Dinitrotoluene	<0.097		0.097		ug/L		02/06/25 08:01	02/07/25 15:16	1
2-Methylnaphthalene	<0.097		0.097		ug/L		02/06/25 08:01	02/07/25 15:16	1
4,4'-DDD	<0.097		0.097		ug/L		02/06/25 08:01	02/07/25 15:16	1
4,4'-DDE	<0.097		0.097		ug/L		02/06/25 08:01	02/07/25 15:16	1
4,4'-DDT	<0.097		0.097		ug/L		02/06/25 08:01	02/07/25 15:16	1
Acenaphthene	<0.097		0.097		ug/L		02/06/25 08:01	02/07/25 15:16	1
Acenaphthylene	<0.097		0.097		ug/L		02/06/25 08:01	02/07/25 15:16	1
Acetochlor	<0.097		0.097		ug/L		02/06/25 08:01	02/07/25 15:16	1
Alachlor	<0.049		0.049		ug/L		02/06/25 08:01	02/07/25 15:16	1
alpha-BHC	<0.097		0.097		ug/L		02/06/25 08:01	02/07/25 15:16	1
alpha-Chlordane	<0.049		0.049		ug/L		02/06/25 08:01	02/07/25 15:16	1
Anthracene	<0.019		0.019		ug/L		02/06/25 08:01	02/07/25 15:16	1
Atrazine	<0.049		0.049		ug/L		02/06/25 08:01	02/07/25 15:16	1
Benz(a)anthracene	<0.049		0.049		ug/L		02/06/25 08:01	02/07/25 15:16	1
Benzo[a]pyrene	<0.019		0.019		ug/L		02/06/25 08:01	02/07/25 15:16	1
Benzo[b]fluoranthene	<0.019		0.019		ug/L		02/06/25 08:01	02/07/25 15:16	1
Benzo[g,h,i]perylene	<0.049		0.049		ug/L		02/06/25 08:01	02/07/25 15:16	1
Benzo[k]fluoranthene	<0.019		0.019		ug/L		02/06/25 08:01	02/07/25 15:16	1
beta-BHC	<0.097		0.097		ug/L		02/06/25 08:01	02/07/25 15:16	1
Bis(2-ethylhexyl) phthalate	<0.58		0.58		ug/L		02/06/25 08:01	02/07/25 15:16	1
Bromacil	<0.097		0.097		ug/L		02/06/25 08:01	02/07/25 15:16	1
Butachlor	<0.049		0.049		ug/L		02/06/25 08:01	02/07/25 15:16	1
Butylbenzylphthalate	<0.49		0.49		ug/L		02/06/25 08:01	02/07/25 15:16	1
Chlorobenzilate	<0.097		0.097		ug/L		02/06/25 08:01	02/07/25 15:16	1
Chloroneb	<0.097		0.097		ug/L		02/06/25 08:01	02/07/25 15:16	1
Chlorothalonil (Draconil, Bravo)	<0.097		0.097		ug/L		02/06/25 08:01	02/07/25 15:16	1
Chlorpyrifos	<0.049		0.049		ug/L		02/06/25 08:01	02/07/25 15:16	1
Chrysene	<0.019		0.019		ug/L		02/06/25 08:01	02/07/25 15:16	1
delta-BHC	<0.097		0.097		ug/L		02/06/25 08:01	02/07/25 15:16	1
Di(2-ethylhexyl)adipate	<0.58		0.58		ug/L		02/06/25 08:01	02/07/25 15:16	1
Dibenz(a,h)anthracene	<0.049		0.049		ug/L		02/06/25 08:01	02/07/25 15:16	1
Diclorvos (DDVP)	<0.049		0.049		ug/L		02/06/25 08:01	02/07/25 15:16	1
Dieldrin	<0.0097	^3+	0.0097		ug/L		02/06/25 08:01	02/07/25 15:16	1
Diethylphthalate	<0.49		0.49		ug/L		02/06/25 08:01	02/07/25 15:16	1
Dimethylphthalate	<0.49		0.49		ug/L		02/06/25 08:01	02/07/25 15:16	1
Di-n-butyl phthalate	<0.97		0.97		ug/L		02/06/25 08:01	02/07/25 15:16	1
Di-n-octyl phthalate	<0.097		0.097		ug/L		02/06/25 08:01	02/07/25 15:16	1
Endosulfan I (Alpha)	<0.097		0.097		ug/L		02/06/25 08:01	02/07/25 15:16	1
Endosulfan II (Beta)	<0.097		0.097		ug/L		02/06/25 08:01	02/07/25 15:16	1
Endosulfan sulfate	<0.097		0.097		ug/L		02/06/25 08:01	02/07/25 15:16	1
Endrin	<0.0097		0.0097		ug/L		02/06/25 08:01	02/07/25 15:16	1
Endrin aldehyde	<0.097		0.097		ug/L		02/06/25 08:01	02/07/25 15:16	1
EPTC	<0.097		0.097		ug/L		02/06/25 08:01	02/07/25 15:16	1

Client Sample ID: AIEA GULCH WELLS PUMP 2 (331-202-TP072)
Date Collected: 02/03/25 10:00
Date Received: 02/05/25 10:26

Lab Sample ID: 380-133893-2
Matrix: Drinking Water
PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	<0.097		0.097		ug/L		02/06/25 08:01	02/07/25 15:16	1
Fluorene	<0.049		0.049		ug/L		02/06/25 08:01	02/07/25 15:16	1
gamma-Chlordane	<0.049		0.049		ug/L		02/06/25 08:01	02/07/25 15:16	1
Heptachlor	<0.0097		0.0097		ug/L		02/06/25 08:01	02/07/25 15:16	1
Heptachlor epoxide (isomer B)	<0.0097		0.0097		ug/L		02/06/25 08:01	02/07/25 15:16	1
Hexachlorobenzene	<0.049		0.049		ug/L		02/06/25 08:01	02/07/25 15:16	1
Hexachlorocyclopentadiene	<0.049		0.049		ug/L		02/06/25 08:01	02/07/25 15:16	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049		ug/L		02/06/25 08:01	02/07/25 15:16	1
Isophorone	<0.097		0.097		ug/L		02/06/25 08:01	02/07/25 15:16	1
Lindane	<0.0097	^3+	0.0097		ug/L		02/06/25 08:01	02/07/25 15:16	1
Malathion	<0.097		0.097		ug/L		02/06/25 08:01	02/07/25 15:16	1
Methoxychlor	<0.049		0.049		ug/L		02/06/25 08:01	02/07/25 15:16	1
Metolachlor	<0.049		0.049		ug/L		02/06/25 08:01	02/07/25 15:16	1
Molinate	<0.097		0.097		ug/L		02/06/25 08:01	02/07/25 15:16	1
Naphthalene	<0.097		0.097		ug/L		02/06/25 08:01	02/07/25 15:16	1
Parathion	<0.097		0.097		ug/L		02/06/25 08:01	02/07/25 15:16	1
Pendimethalin (Penoxaline)	<0.097		0.097		ug/L		02/06/25 08:01	02/07/25 15:16	1
Phenanthrene	<0.039		0.039		ug/L		02/06/25 08:01	02/07/25 15:16	1
Propachlor	<0.049		0.049		ug/L		02/06/25 08:01	02/07/25 15:16	1
Pyrene	<0.049		0.049		ug/L		02/06/25 08:01	02/07/25 15:16	1
Simazine	<0.049		0.049		ug/L		02/06/25 08:01	02/07/25 15:16	1
Terbacil	<0.097		0.097		ug/L		02/06/25 08:01	02/07/25 15:16	1
Terbuthylazine	<0.097		0.097		ug/L		02/06/25 08:01	02/07/25 15:16	1
Thiobencarb	<0.097		0.097		ug/L		02/06/25 08:01	02/07/25 15:16	1
Total Permethrin (mixed isomers)	<0.19		0.19		ug/L		02/06/25 08:01	02/07/25 15:16	1
trans-Nonachlor	<0.049		0.049		ug/L		02/06/25 08:01	02/07/25 15:16	1
Trifluralin	<0.097		0.097		ug/L		02/06/25 08:01	02/07/25 15:16	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*	*02/06/25 08:01*	*02/07/25 15:16*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*98*		*70 - 130*	*02/06/25 08:01*	*02/07/25 15:16*	*1*
Perylene-d12	*96*		*70 - 130*	*02/06/25 08:01*	*02/07/25 15:16*	*1*
Triphenylphosphate	*99*		*70 - 130*	*02/06/25 08:01*	*02/07/25 15:16*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.19		0.19		ug/L		02/07/25 05:29	02/17/25 11:20	1
2-Methylnaphthalene	<0.19		0.19		ug/L		02/07/25 05:29	02/17/25 11:20	1
Acenaphthene	<0.19		0.19		ug/L		02/07/25 05:29	02/17/25 11:20	1
Acenaphthylene	<0.19		0.19		ug/L		02/07/25 05:29	02/17/25 11:20	1
Anthracene	<0.19		0.19		ug/L		02/07/25 05:29	02/17/25 11:20	1
Benzo[a]anthracene	<0.19		0.19		ug/L		02/07/25 05:29	02/17/25 11:20	1
Benzo[a]pyrene	<0.19		0.19		ug/L		02/07/25 05:29	02/17/25 11:20	1
Benzo[b]fluoranthene	<0.19		0.19		ug/L		02/07/25 05:29	02/17/25 11:20	1
Benzo[g,h,i]perylene	<0.19		0.19		ug/L		02/07/25 05:29	02/17/25 11:20	1
Benzo[k]fluoranthene	<0.19		0.19		ug/L		02/07/25 05:29	02/17/25 11:20	1
Chrysene	<0.19		0.19		ug/L		02/07/25 05:29	02/17/25 11:20	1

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

Lab Sample ID: 380-133893-2

Date Collected: 02/03/25 10:00
Date Received: 02/05/25 10:26

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		02/07/25 05:29	02/17/25 11:20	1
Fluoranthene	<0.19		0.19		ug/L		02/07/25 05:29	02/17/25 11:20	1
Fluorene	<0.19		0.19		ug/L		02/07/25 05:29	02/17/25 11:20	1
Indeno[1,2,3-cd]pyrene	<0.19		0.19		ug/L		02/07/25 05:29	02/17/25 11:20	1
Naphthalene	<0.19		0.19		ug/L		02/07/25 05:29	02/17/25 11:20	1
Phenanthrene	<0.19		0.19		ug/L		02/07/25 05:29	02/17/25 11:20	1
Pyrene	<0.19		0.19		ug/L		02/07/25 05:29	02/17/25 11:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*73*		*28 - 127*	*02/07/25 05:29*	*02/17/25 11:20*	*1*
2-Fluorobiphenyl (Surr)	*72*		*31 - 120*	*02/07/25 05:29*	*02/17/25 11:20*	*1*
2-Fluorophenol (Surr)	*41*		*17 - 120*	*02/07/25 05:29*	*02/17/25 11:20*	*1*
Nitrobenzene-d5 (Surr)	*69*		*27 - 120*	*02/07/25 05:29*	*02/17/25 11:20*	*1*
Phenol-d6 (Surr)	*25*		*10 - 120*	*02/07/25 05:29*	*02/17/25 11:20*	*1*
p-Terphenyl-d14 (Surr)	*68*		*45 - 120*	*02/07/25 05:29*	*02/17/25 11:20*	*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*
Unknown	*8.6*	*T J*	*ug/L*		*2.81*	*N/A*	*02/07/25 05:29*	*02/17/25 17:38*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*88*		*33 - 139*	*02/07/25 05:29*	*02/17/25 17:38*	*1*
2-Fluorobiphenyl (Surr)	*74*		*33 - 126*	*02/07/25 05:29*	*02/17/25 17:38*	*1*
2-Fluorophenol (Surr)	*48*		*12 - 120*	*02/07/25 05:29*	*02/17/25 17:38*	*1*
Nitrobenzene-d5 (Surr)	*92*		*36 - 120*	*02/07/25 05:29*	*02/17/25 17:38*	*1*
Phenol-d6 (Surr)	*26*		*10 - 120*	*02/07/25 05:29*	*02/17/25 17:38*	*1*
p-Terphenyl-d14 (Surr)	*83*		*47 - 131*	*02/07/25 05:29*	*02/17/25 17:38*	*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			02/13/25 17:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*38 - 134*		*02/13/25 17:02*	*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)	<27		27		ug/L		02/09/25 14:11	02/22/25 02:45	1
Motor Oil Range Organics [C24-C36]	<27		27		ug/L		02/09/25 14:11	02/22/25 02:45	1
C8-C18	<27		27		ug/L		02/09/25 14:11	02/22/25 02:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*75*		*60 - 130*	*02/09/25 14:11*	*02/22/25 02:45*	*1*

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

Job ID: 380-133893-1
SDG: Weekly

Client Sample ID: TB:AIEA GULCH WELLS P1 (331-201-TP071)

Lab Sample ID: 380-133893-3
Matrix: Water
Date Collected: 02/03/25 10:32
Date Received: 02/05/25 10:26

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			02/13/25 17:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*38 - 134*		*02/13/25 17:29*	*1*

Client Sample ID: TB:AIEA GULCH WELLS P2 (331-202-TP072)

Lab Sample ID: 380-133893-4
Matrix: Water
Date Collected: 02/03/25 10:00
Date Received: 02/05/25 10:26

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			02/13/25 17:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*38 - 134*		*02/13/25 17:55*	*1*

Action Limit Summary

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

Job ID: 380-133893-1
SDG: Weekly

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

Lab Sample ID: 380-133893-1

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	<0.0099		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	^3+	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	<0.20		ug/L	0.2	0.20	625.1 SIM	Total/NA

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

Lab Sample ID: 380-133893-2

PWSID Number: HI0000331

Compliance Check

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

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

Surrogate Summary

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

Job ID: 380-133893-1
SDG: Weekly

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)
380-133893-1	AIEA GULCH WELLS PUMP 1 (	98	96	99
380-133893-1 MS	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	98	96	101
380-133893-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	98	96	99
380-133893-2 DU	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	99	99	103

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)
LCS 380-133237/23-A	Lab Control Sample	98	99	103
LCSD 380-133237/24-A	Lab Control Sample Dup	97	96	105
MB 380-133237/21-A	Method Blank	96	95	98
MRL 380-133237/22-A	Lab Control Sample	99	100	97

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)
380-133893-1	AIEA GULCH WELLS PUMP 1 (	99	78	57	93	32	84
380-133893-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	88	74	48	92	26	83

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL6 = Phenol-d6 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)

Surrogate Summary

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

Job ID: 380-133893-1
SDG: Weekly

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

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

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL6	TPHd14
Lab Sample ID	Client Sample ID	(33-139)	(33-126)	(12-120)	(36-120)	(10-120)	(47-131)
MB 570-530931/1-A	Method Blank	102	84	45	101	25	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: 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)
380-133893-1	AIEA GULCH WELLS PUMP 1 (	87	78	51	79	32	78
380-133893-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	73	72	41	69	25	68

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)
380-133869-A-1-A MS	Matrix Spike	80	76	52	67	32	81
380-133869-A-1-B MSD	Matrix Spike Duplicate	80	80	52	68	32	77
LCS 570-530931/2-A	Lab Control Sample	76	74	49	63	31	82
LCSD 570-530931/3-A	Lab Control Sample Dup	83	79	50	72	31	87
MB 570-530931/1-A	Method Blank	91	82	44	82	24	79

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL6 = Phenol-d6 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)

Surrogate Summary

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

Job ID: 380-133893-1
SDG: Weekly

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)
380-133893-1	AIEA GULCH WELLS PUMP 1 (	91
380-133893-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	92

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)
		BFB1
Lab Sample ID	Client Sample ID	(38-134)
380-133869-B-1 MS	Matrix Spike	94
380-133869-B-1 MSD	Matrix Spike Duplicate	95
380-133893-3	TB:AIEA GULCH WELLS P1 (331-201-TP071)	94
380-133893-4	TB:AIEA GULCH WELLS P2 (331-202-TP072)	91
LCS 570-533375/4	Lab Control Sample	98
LCSD 570-533375/5	Lab Control Sample Dup	97
MB 570-533375/6	Method Blank	91
MRL 570-533375/3	Lab Control Sample	94

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)
		OTCSN1
Lab Sample ID	Client Sample ID	(60-130)
380-133893-1	AIEA GULCH WELLS PUMP 1 (	80
380-133893-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	75

Surrogate Legend

OTCSN = n-Octacosane (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)
		OTCSN1
Lab Sample ID	Client Sample ID	(60-130)
380-133869-C-1-A MS	Matrix Spike	99
380-133869-C-1-B MSD	Matrix Spike Duplicate	109
LCS 570-531752/2-A	Lab Control Sample	90
LCSD 570-531752/3-A	Lab Control Sample Dup	102
MB 570-531752/1-A	Method Blank	100
MRL 570-531752/4-A	Lab Control Sample	83

Surrogate Legend

Surrogate Summary

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

Job ID: 380-133893-1
SDG: Weekly

OTCSN = n-Octacosane (Surr)

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

Lab Sample ID: MB 380-133237/21-A
Matrix: Water
Analysis Batch: 133603

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 133237

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.10		0.10		ug/L		02/06/25 08:01	02/07/25 14:36	1
2,4'-DDD	<0.10		0.10		ug/L		02/06/25 08:01	02/07/25 14:36	1
2,4'-DDE	<0.10		0.10		ug/L		02/06/25 08:01	02/07/25 14:36	1
2,4'-DDT	<0.10		0.10		ug/L		02/06/25 08:01	02/07/25 14:36	1
2,4-Dinitrotoluene	<0.10		0.10		ug/L		02/06/25 08:01	02/07/25 14:36	1
2,6-Dinitrotoluene	<0.10		0.10		ug/L		02/06/25 08:01	02/07/25 14:36	1
2-Methylnaphthalene	<0.10		0.10		ug/L		02/06/25 08:01	02/07/25 14:36	1
4,4'-DDD	<0.10		0.10		ug/L		02/06/25 08:01	02/07/25 14:36	1
4,4'-DDE	<0.10		0.10		ug/L		02/06/25 08:01	02/07/25 14:36	1
4,4'-DDT	<0.10		0.10		ug/L		02/06/25 08:01	02/07/25 14:36	1
Acenaphthene	<0.10		0.10		ug/L		02/06/25 08:01	02/07/25 14:36	1
Acenaphthylene	<0.10		0.10		ug/L		02/06/25 08:01	02/07/25 14:36	1
Acetochlor	<0.10		0.10		ug/L		02/06/25 08:01	02/07/25 14:36	1
Alachlor	<0.050		0.050		ug/L		02/06/25 08:01	02/07/25 14:36	1
alpha-BHC	<0.10		0.10		ug/L		02/06/25 08:01	02/07/25 14:36	1
alpha-Chlordane	<0.050		0.050		ug/L		02/06/25 08:01	02/07/25 14:36	1
Anthracene	<0.020		0.020		ug/L		02/06/25 08:01	02/07/25 14:36	1
Atrazine	<0.050		0.050		ug/L		02/06/25 08:01	02/07/25 14:36	1
Benz(a)anthracene	<0.050		0.050		ug/L		02/06/25 08:01	02/07/25 14:36	1
Benzo[a]pyrene	<0.020		0.020		ug/L		02/06/25 08:01	02/07/25 14:36	1
Benzo[b]fluoranthene	<0.020		0.020		ug/L		02/06/25 08:01	02/07/25 14:36	1
Benzo[g,h,i]perylene	<0.050		0.050		ug/L		02/06/25 08:01	02/07/25 14:36	1
Benzo[k]fluoranthene	<0.020		0.020		ug/L		02/06/25 08:01	02/07/25 14:36	1
beta-BHC	<0.10		0.10		ug/L		02/06/25 08:01	02/07/25 14:36	1
Bis(2-ethylhexyl) phthalate	<0.60		0.60		ug/L		02/06/25 08:01	02/07/25 14:36	1
Bromacil	<0.10		0.10		ug/L		02/06/25 08:01	02/07/25 14:36	1
Butachlor	<0.050		0.050		ug/L		02/06/25 08:01	02/07/25 14:36	1
Butylbenzylphthalate	<0.50		0.50		ug/L		02/06/25 08:01	02/07/25 14:36	1
Chlorobenzilate	<0.10		0.10		ug/L		02/06/25 08:01	02/07/25 14:36	1
Chloroneb	<0.10		0.10		ug/L		02/06/25 08:01	02/07/25 14:36	1
Chlorothalonil (Draconil, Bravo)	<0.10		0.10		ug/L		02/06/25 08:01	02/07/25 14:36	1
Chlorpyrifos	<0.050		0.050		ug/L		02/06/25 08:01	02/07/25 14:36	1
Chrysene	<0.020		0.020		ug/L		02/06/25 08:01	02/07/25 14:36	1
delta-BHC	<0.10		0.10		ug/L		02/06/25 08:01	02/07/25 14:36	1
Di(2-ethylhexyl)adipate	<0.60		0.60		ug/L		02/06/25 08:01	02/07/25 14:36	1
Dibenz(a,h)anthracene	<0.050		0.050		ug/L		02/06/25 08:01	02/07/25 14:36	1
Diclorvos (DDVP)	<0.050		0.050		ug/L		02/06/25 08:01	02/07/25 14:36	1
Dieldrin	<0.010	^3+	0.010		ug/L		02/06/25 08:01	02/07/25 14:36	1
Diethylphthalate	<0.50		0.50		ug/L		02/06/25 08:01	02/07/25 14:36	1
Dimethylphthalate	<0.50		0.50		ug/L		02/06/25 08:01	02/07/25 14:36	1
Di-n-butyl phthalate	<1.0		1.0		ug/L		02/06/25 08:01	02/07/25 14:36	1
Di-n-octyl phthalate	<0.10		0.10		ug/L		02/06/25 08:01	02/07/25 14:36	1
Endosulfan I (Alpha)	<0.10		0.10		ug/L		02/06/25 08:01	02/07/25 14:36	1
Endosulfan II (Beta)	<0.10		0.10		ug/L		02/06/25 08:01	02/07/25 14:36	1
Endosulfan sulfate	<0.10		0.10		ug/L		02/06/25 08:01	02/07/25 14:36	1
Endrin	<0.010		0.010		ug/L		02/06/25 08:01	02/07/25 14:36	1
Endrin aldehyde	<0.10		0.10		ug/L		02/06/25 08:01	02/07/25 14:36	1
EPTC	<0.10		0.10		ug/L		02/06/25 08:01	02/07/25 14:36	1

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

Lab Sample ID: MB 380-133237/21-A
Matrix: Water
Analysis Batch: 133603

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 133237

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	<0.10		0.10		ug/L		02/06/25 08:01	02/07/25 14:36	1
Fluorene	<0.050		0.050		ug/L		02/06/25 08:01	02/07/25 14:36	1
gamma-Chlordane	<0.050		0.050		ug/L		02/06/25 08:01	02/07/25 14:36	1
Heptachlor	<0.010		0.010		ug/L		02/06/25 08:01	02/07/25 14:36	1
Heptachlor epoxide (isomer B)	<0.010		0.010		ug/L		02/06/25 08:01	02/07/25 14:36	1
Hexachlorobenzene	<0.050		0.050		ug/L		02/06/25 08:01	02/07/25 14:36	1
Hexachlorocyclopentadiene	<0.050		0.050		ug/L		02/06/25 08:01	02/07/25 14:36	1
Indeno[1,2,3-cd]pyrene	<0.050		0.050		ug/L		02/06/25 08:01	02/07/25 14:36	1
Isophorone	<0.10		0.10		ug/L		02/06/25 08:01	02/07/25 14:36	1
Lindane	<0.010	^3+	0.010		ug/L		02/06/25 08:01	02/07/25 14:36	1
Malathion	<0.10		0.10		ug/L		02/06/25 08:01	02/07/25 14:36	1
Methoxychlor	<0.050		0.050		ug/L		02/06/25 08:01	02/07/25 14:36	1
Metolachlor	<0.050		0.050		ug/L		02/06/25 08:01	02/07/25 14:36	1
Molinate	<0.10		0.10		ug/L		02/06/25 08:01	02/07/25 14:36	1
Naphthalene	<0.10		0.10		ug/L		02/06/25 08:01	02/07/25 14:36	1
Parathion	<0.10		0.10		ug/L		02/06/25 08:01	02/07/25 14:36	1
Pendimethalin (Penoxaline)	<0.10		0.10		ug/L		02/06/25 08:01	02/07/25 14:36	1
Phenanthrene	<0.040		0.040		ug/L		02/06/25 08:01	02/07/25 14:36	1
Propachlor	<0.050		0.050		ug/L		02/06/25 08:01	02/07/25 14:36	1
Pyrene	<0.050		0.050		ug/L		02/06/25 08:01	02/07/25 14:36	1
Simazine	<0.050		0.050		ug/L		02/06/25 08:01	02/07/25 14:36	1
Terbacil	<0.10		0.10		ug/L		02/06/25 08:01	02/07/25 14:36	1
Terbuthylazine	<0.10		0.10		ug/L		02/06/25 08:01	02/07/25 14:36	1
Thiobencarb	<0.10		0.10		ug/L		02/06/25 08:01	02/07/25 14:36	1
Total Permethrin (mixed isomers)	<0.20		0.20		ug/L		02/06/25 08:01	02/07/25 14:36	1
trans-Nonachlor	<0.050		0.050		ug/L		02/06/25 08:01	02/07/25 14:36	1
Trifluralin	<0.10		0.10		ug/L		02/06/25 08:01	02/07/25 14:36	1

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*	*02/06/25 08:01*	*02/07/25 14:36*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*96*		*70 - 130*	*02/06/25 08:01*	*02/07/25 14:36*	*1*
Perylene-d12	*95*		*70 - 130*	*02/06/25 08:01*	*02/07/25 14:36*	*1*
Triphenylphosphate	*98*		*70 - 130*	*02/06/25 08:01*	*02/07/25 14:36*	*1*

Lab Sample ID: LCS 380-133237/23-A
Matrix: Water
Analysis Batch: 133603

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 133237

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1-Methylnaphthalene			1.99	2.04		ug/L		103	70 - 130		
2,4'-DDD			1.99	2.15		ug/L		108	70 - 130		
2,4'-DDE			1.99	2.13		ug/L		107	70 - 130		
2,4'-DDT			1.99	2.18		ug/L		110	70 - 130		
2,4-Dinitrotoluene			1.99	1.91		ug/L		96	70 - 130		
2,6-Dinitrotoluene			1.99	1.93		ug/L		97	70 - 130		
2-Methylnaphthalene			1.99	2.05		ug/L		103	70 - 130		

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

Lab Sample ID: LCS 380-133237/23-A
Matrix: Water
Analysis Batch: 133603

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 133237

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	1.99	2.21		ug/L		111	70 - 130
4,4'-DDE	1.99	2.07		ug/L		104	70 - 130
4,4'-DDT	1.99	2.18		ug/L		110	70 - 130
Acenaphthene	1.99	1.97		ug/L		99	70 - 130
Acenaphthylene	1.99	2.10		ug/L		106	70 - 130
Acetochlor	1.99	2.21		ug/L		111	70 - 130
Alachlor	1.99	2.22		ug/L		111	70 - 130
alpha-BHC	1.99	2.10		ug/L		105	70 - 130
alpha-Chlordane	1.99	2.10		ug/L		106	70 - 130
Anthracene	1.99	1.94		ug/L		98	70 - 130
Atrazine	1.99	2.26		ug/L		114	70 - 130
Benz(a)anthracene	1.99	2.02		ug/L		102	70 - 130
Benzo[a]pyrene	1.99	1.99		ug/L		100	70 - 130
Benzo[b]fluoranthene	1.99	2.22		ug/L		111	70 - 130
Benzo[g,h,i]perylene	1.99	2.23		ug/L		112	70 - 130
Benzo[k]fluoranthene	1.99	2.18		ug/L		110	70 - 130
beta-BHC	1.99	2.10		ug/L		105	70 - 130
Bis(2-ethylhexyl) phthalate	1.99	2.09		ug/L		105	70 - 130
Bromacil	1.99	2.13		ug/L		107	70 - 130
Butachlor	1.99	2.26		ug/L		114	70 - 130
Butylbenzylphthalate	1.99	2.34		ug/L		118	70 - 130
Chlorobenzilate	1.99	1.98		ug/L		99	70 - 130
Chloroneb	1.99	2.01		ug/L		101	70 - 130
Chlorothalonil (Draconil, Bravo)	1.99	2.06		ug/L		104	70 - 130
Chlorpyrifos	1.99	2.20		ug/L		110	70 - 130
Chrysene	1.99	2.07		ug/L		104	70 - 130
delta-BHC	1.99	2.11		ug/L		106	70 - 130
Di(2-ethylhexyl)adipate	1.99	2.02		ug/L		101	70 - 130
Dibenz(a,h)anthracene	1.99	2.01		ug/L		101	70 - 130
Diclorvos (DDVP)	1.99	2.11		ug/L		106	70 - 130
Dieldrin	1.99	2.16		ug/L		109	70 - 130
Diethylphthalate	1.99	2.18		ug/L		110	70 - 130
Dimethylphthalate	1.99	2.18		ug/L		110	70 - 130
Di-n-butyl phthalate	3.98	4.39		ug/L		110	70 - 130
Di-n-octyl phthalate	1.99	1.78		ug/L		90	70 - 130
Endosulfan I (Alpha)	1.99	2.09		ug/L		105	70 - 130
Endosulfan II (Beta)	1.99	2.13		ug/L		107	70 - 130
Endosulfan sulfate	1.99	2.18		ug/L		110	70 - 130
Endrin	1.99	2.01		ug/L		101	70 - 130
Endrin aldehyde	1.99	2.09		ug/L		105	60 - 130
EPTC	1.99	2.14		ug/L		108	70 - 130
Fluoranthene	1.99	2.16		ug/L		108	70 - 130
Fluorene	1.99	2.13		ug/L		107	70 - 130
gamma-Chlordane	1.99	2.06		ug/L		103	70 - 130
Heptachlor	1.99	2.00		ug/L		101	70 - 130
Heptachlor epoxide (isomer B)	1.99	2.02		ug/L		101	70 - 130
Hexachlorobenzene	1.99	1.93		ug/L		97	70 - 130
Hexachlorocyclopentadiene	1.99	1.92		ug/L		97	70 - 130
Indeno[1,2,3-cd]pyrene	1.99	2.25		ug/L		113	70 - 130

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

Lab Sample ID: LCS 380-133237/23-A
Matrix: Water
Analysis Batch: 133603

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 133237

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Isophorone			1.99	2.01		ug/L		101	70 - 130		
Lindane			1.99	1.92		ug/L		96	70 - 130		
Malathion			1.99	2.17		ug/L		109	70 - 130		
Methoxychlor			1.99	2.01		ug/L		101	70 - 130		
Metolachlor			1.99	2.20		ug/L		111	70 - 130		
Molinate			1.99	2.15		ug/L		108	70 - 130		
Naphthalene			1.99	2.02		ug/L		102	70 - 130		
Parathion			1.99	2.10		ug/L		105	70 - 130		
Pendimethalin (Penoxaline)			1.99	2.01		ug/L		101	70 - 130		
Phenanthrene			1.99	1.96		ug/L		99	70 - 130		
Propachlor			1.99	2.16		ug/L		108	70 - 130		
Pyrene			1.99	2.14		ug/L		107	70 - 130		
Simazine			1.99	2.23		ug/L		112	70 - 130		
Terbacil			1.99	2.17		ug/L		109	70 - 130		
Terbuthylazine			1.99	2.23		ug/L		112	70 - 130		
Thiobencarb			1.99	2.18		ug/L		110	70 - 130		
trans-Nonachlor			1.99	2.06		ug/L		103	70 - 130		
Trifluralin			1.99	1.96		ug/L		98	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Nitro-m-xylene	*98*		*70 - 130*
Perylene-d12	*99*		*70 - 130*
Triphenylphosphate	*103*		*70 - 130*

Lab Sample ID: LCSD 380-133237/24-A
Matrix: Water
Analysis Batch: 133603

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 133237

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene			1.98	2.05		ug/L		103	70 - 130	0	20
2,4'-DDD			1.98	2.19		ug/L		110	70 - 130	1	20
2,4'-DDE			1.98	2.14		ug/L		108	70 - 130	0	20
2,4'-DDT			1.98	2.20		ug/L		111	70 - 130	1	20
2,4-Dinitrotoluene			1.98	1.96		ug/L		99	70 - 130	2	20
2,6-Dinitrotoluene			1.98	1.94		ug/L		98	70 - 130	1	20
2-Methylnaphthalene			1.98	2.03		ug/L		103	70 - 130	1	20
4,4'-DDD			1.98	2.19		ug/L		111	70 - 130	1	20
4,4'-DDE			1.98	2.13		ug/L		107	70 - 130	2	20
4,4'-DDT			1.98	2.22		ug/L		112	70 - 130	2	20
Acenaphthene			1.98	1.96		ug/L		99	70 - 130	0	20
Acenaphthylene			1.98	2.15		ug/L		109	70 - 130	2	20
Acetochlor			1.98	2.21		ug/L		112	70 - 130	0	20
Alachlor			1.98	2.26		ug/L		114	70 - 130	2	20
alpha-BHC			1.98	2.12		ug/L		107	70 - 130	1	20
alpha-Chlordane			1.98	2.09		ug/L		106	70 - 130	1	20
Anthracene			1.98	1.97		ug/L		100	70 - 130	1	20
Atrazine			1.98	2.35		ug/L		119	70 - 130	4	20
Benz(a)anthracene			1.98	2.04		ug/L		103	70 - 130	1	20

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

Lab Sample ID: LCSD 380-133237/24-A
Matrix: Water
Analysis Batch: 133603

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 133237

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzo[a]pyrene			1.98	1.91		ug/L		96	70 - 130	4	20
Benzo[b]fluoranthene			1.98	2.17		ug/L		109	70 - 130	2	20
Benzo[g,h,i]perylene			1.98	2.12		ug/L		107	70 - 130	5	20
Benzo[k]fluoranthene			1.98	2.10		ug/L		106	70 - 130	4	20
beta-BHC			1.98	2.19		ug/L		111	70 - 130	5	20
Bis(2-ethylhexyl) phthalate			1.98	2.12		ug/L		107	70 - 130	1	20
Bromacil			1.98	2.22		ug/L		112	70 - 130	4	20
Butachlor			1.98	2.29		ug/L		116	70 - 130	1	20
Butylbenzylphthalate			1.98	2.38		ug/L		120	70 - 130	2	20
Chlorobenzilate			1.98	2.01		ug/L		102	70 - 130	2	20
Chloroneb			1.98	1.99		ug/L		101	70 - 130	1	20
Chlorothalonil (Draconil, Bravo)			1.98	2.15		ug/L		109	70 - 130	4	20
Chlorpyrifos			1.98	2.23		ug/L		113	70 - 130	1	20
Chrysene			1.98	2.04		ug/L		103	70 - 130	1	20
delta-BHC			1.98	2.17		ug/L		109	70 - 130	2	20
Di(2-ethylhexyl)adipate			1.98	2.12		ug/L		107	70 - 130	5	20
Dibenz(a,h)anthracene			1.98	1.95		ug/L		99	70 - 130	3	20
Diclorvos (DDVP)			1.98	2.20		ug/L		111	70 - 130	4	20
Dieldrin			1.98	2.09		ug/L		106	70 - 130	3	20
Diethylphthalate			1.98	2.20		ug/L		111	70 - 130	1	20
Dimethylphthalate			1.98	2.20		ug/L		111	70 - 130	1	20
Di-n-butyl phthalate			3.96	4.53		ug/L		114	70 - 130	3	20
Di-n-octyl phthalate			1.98	1.80		ug/L		91	70 - 130	1	20
Endosulfan I (Alpha)			1.98	2.04		ug/L		103	70 - 130	3	20
Endosulfan II (Beta)			1.98	2.14		ug/L		108	70 - 130	0	20
Endosulfan sulfate			1.98	2.21		ug/L		112	70 - 130	1	20
Endrin			1.98	2.00		ug/L		101	70 - 130	1	20
Endrin aldehyde			1.98	2.09		ug/L		106	60 - 130	0	20
EPTC			1.98	2.12		ug/L		107	70 - 130	1	20
Fluoranthene			1.98	2.18		ug/L		110	70 - 130	1	20
Fluorene			1.98	2.16		ug/L		109	70 - 130	2	20
gamma-Chlordane			1.98	2.05		ug/L		104	70 - 130	0	20
Heptachlor			1.98	2.03		ug/L		102	70 - 130	1	20
Heptachlor epoxide (isomer B)			1.98	2.05		ug/L		104	70 - 130	2	20
Hexachlorobenzene			1.98	1.93		ug/L		98	70 - 130	0	20
Hexachlorocyclopentadiene			1.98	2.00		ug/L		101	70 - 130	4	20
Indeno[1,2,3-cd]pyrene			1.98	2.13		ug/L		108	70 - 130	5	20
Isophorone			1.98	2.06		ug/L		104	70 - 130	2	20
Lindane			1.98	1.96		ug/L		99	70 - 130	2	20
Malathion			1.98	2.23		ug/L		113	70 - 130	3	20
Methoxychlor			1.98	1.97		ug/L		100	70 - 130	2	20
Metolachlor			1.98	2.22		ug/L		112	70 - 130	1	20
Molinate			1.98	2.16		ug/L		109	70 - 130	0	20
Naphthalene			1.98	2.01		ug/L		102	70 - 130	1	20
Parathion			1.98	2.13		ug/L		108	70 - 130	1	20
Pendimethalin (Penoxaline)			1.98	2.03		ug/L		103	70 - 130	1	20
Phenanthrene			1.98	1.97		ug/L		99	70 - 130	0	20
Propachlor			1.98	2.21		ug/L		111	70 - 130	2	20
Pyrene			1.98	2.16		ug/L		109	70 - 130	1	20

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

Lab Sample ID: LCSD 380-133237/24-A
Matrix: Water
Analysis Batch: 133603

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 133237

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Simazine			1.98	2.30		ug/L		116	70 - 130	3	20
Terbacil			1.98	2.26		ug/L		114	70 - 130	4	20
Terbuthylazine			1.98	2.31		ug/L		117	70 - 130	4	20
Thiobencarb			1.98	2.27		ug/L		115	70 - 130	4	20
trans-Nonachlor			1.98	2.06		ug/L		104	70 - 130	0	20
Trifluralin			1.98	1.93		ug/L		98	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Nitro-m-xylene	*97*		*70 - 130*
Perylene-d12	*96*		*70 - 130*
Triphenylphosphate	*105*		*70 - 130*

Lab Sample ID: MRL 380-133237/22-A
Matrix: Water
Analysis Batch: 133603

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 133237

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene			0.0993	0.122		ug/L		123	50 - 150
2,4'-DDD			0.0993	0.101		ug/L		102	50 - 150
2,4'-DDE			0.0993	0.113		ug/L		114	50 - 150
2,4'-DDT			0.0993	0.108		ug/L		109	50 - 150
2,4-Dinitrotoluene			0.0993	0.120		ug/L		121	50 - 150
2,6-Dinitrotoluene			0.0993	0.113		ug/L		114	50 - 150
2-Methylnaphthalene			0.0993	0.116		ug/L		117	50 - 150
4,4'-DDD			0.0993	0.117		ug/L		118	50 - 150
4,4'-DDE			0.0993	0.106		ug/L		107	50 - 150
4,4'-DDT			0.0993	0.107		ug/L		107	50 - 150
Acenaphthene			0.0993	0.104		ug/L		105	50 - 150
Acenaphthylene			0.0993	0.106		ug/L		107	50 - 150
Acetochlor			0.0993	0.123		ug/L		124	50 - 150
Alachlor			0.0496	0.0555		ug/L		112	50 - 150
alpha-BHC			0.0993	0.114		ug/L		115	50 - 150
alpha-Chlordane			0.0248	<0.029		ug/L		108	50 - 150
Anthracene			0.0199	0.0249		ug/L		125	50 - 150
Atrazine			0.0496	0.0504		ug/L		102	50 - 150
Benz(a)anthracene			0.0496	0.0531		ug/L		107	50 - 150
Benzo[a]pyrene			0.0199	0.0216		ug/L		109	50 - 150
Benzo[b]fluoranthene			0.0199	0.0194	J	ug/L		98	50 - 150
Benzo[g,h,i]perylene			0.0496	0.0475	J	ug/L		96	50 - 150
Benzo[k]fluoranthene			0.0199	0.0192	J	ug/L		96	50 - 150
beta-BHC			0.0993	0.125		ug/L		126	50 - 150
Bis(2-ethylhexyl) phthalate			0.596	0.627		ug/L		105	50 - 150
Bromacil			0.0993	0.106		ug/L		107	50 - 150
Butachlor			0.0496	0.0586		ug/L		118	50 - 150
Butylbenzylphthalate			0.496	0.570		ug/L		115	50 - 150
Chlorobenzilate			0.0993	0.102		ug/L		103	50 - 150
Chloroneb			0.0993	0.105		ug/L		106	50 - 150
Chlorothalonil (Draconil, Bravo)			0.0993	0.0964	J	ug/L		97	50 - 150

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

Lab Sample ID: MRL 380-133237/22-A
Matrix: Water
Analysis Batch: 133603

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 133237

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chlorpyrifos	0.0496	0.0517		ug/L		104	50 - 150
Chrysene	0.0199	0.0243		ug/L		123	50 - 150
delta-BHC	0.0993	0.124		ug/L		125	50 - 150
Di(2-ethylhexyl)adipate	0.596	0.631		ug/L		106	50 - 150
Dibenz(a,h)anthracene	0.0496	0.0526		ug/L		106	50 - 150
Diclorvos (DDVP)	0.0496	0.0616		ug/L		124	50 - 150
Dieldrin	0.00993	0.0150	^3+	ug/L		151	50 - 150
Diethylphthalate	0.496	0.570		ug/L		115	50 - 150
Dimethylphthalate	0.496	0.580		ug/L		117	50 - 150
Di-n-butyl phthalate	0.496	0.590	J	ug/L		119	49 - 243
Di-n-octyl phthalate	0.0993	0.106		ug/L		107	50 - 150
Endosulfan I (Alpha)	0.0993	0.108		ug/L		109	50 - 150
Endosulfan II (Beta)	0.0993	0.125		ug/L		126	50 - 150
Endosulfan sulfate	0.0993	0.110		ug/L		111	50 - 150
Endrin	0.00993	0.0137		ug/L		138	50 - 150
Endrin aldehyde	0.0993	0.115		ug/L		116	50 - 150
EPTC	0.0993	0.107		ug/L		108	50 - 150
Fluoranthene	0.0993	0.108		ug/L		109	50 - 150
Fluorene	0.0496	0.0572		ug/L		115	50 - 150
gamma-Chlordane	0.0248	0.0254	J	ug/L		102	50 - 150
Heptachlor	0.00993	0.0135		ug/L		136	50 - 150
Heptachlor epoxide (isomer B)	0.00993	0.0118		ug/L		119	50 - 150
Hexachlorobenzene	0.0496	0.0520		ug/L		105	50 - 150
Hexachlorocyclopentadiene	0.0496	0.0425	J	ug/L		86	50 - 150
Indeno[1,2,3-cd]pyrene	0.0496	0.0427	J	ug/L		86	50 - 150
Isophorone	0.0993	0.125		ug/L		126	50 - 150
Lindane	0.00993	0.0157	^3+	ug/L		158	50 - 150
Malathion	0.0993	0.101		ug/L		102	50 - 150
Methoxychlor	0.0496	0.0570		ug/L		115	50 - 150
Metolachlor	0.0496	0.0607		ug/L		122	50 - 150
Molinate	0.0993	0.117		ug/L		118	50 - 150
Naphthalene	0.0993	0.107		ug/L		108	50 - 150
Parathion	0.0993	0.0777	J	ug/L		78	50 - 150
Pendimethalin (Penoxaline)	0.0993	0.0924	J	ug/L		93	50 - 150
Phenanthrene	0.0397	0.0468		ug/L		118	50 - 150
Propachlor	0.0496	0.0564		ug/L		114	50 - 150
Pyrene	0.0496	0.0546		ug/L		110	50 - 150
Simazine	0.0496	0.0516		ug/L		104	50 - 150
Terbacil	0.0993	0.106		ug/L		107	50 - 150
Terbuthylazine	0.0993	0.109		ug/L		110	50 - 150
Thiobencarb	0.0993	0.106		ug/L		106	50 - 150
trans-Nonachlor	0.0248	0.0290	J	ug/L		117	50 - 150
Trifluralin	0.0993	0.101		ug/L		102	50 - 150

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
2-Nitro-m-xylene	*99*		*70 - 130*
Perylene-d12	*100*		*70 - 130*
Triphenylphosphate	*97*		*70 - 130*

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

Lab Sample ID: 380-133893-1 MS
Matrix: Drinking Water
Analysis Batch: 133603

Client Sample ID: AIEA GULCH WELLS PUMP 1 (331-201-TP071)
Prep Type: Total/NA
Prep Batch: 133237

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.099		1.96	2.00		ug/L		101	70 - 130
2,4'-DDD	<0.099		1.96	2.12		ug/L		108	70 - 130
2,4'-DDE	<0.099		1.96	2.10		ug/L		107	70 - 130
2,4'-DDT	<0.099		1.96	2.16		ug/L		110	70 - 130
2,4-Dinitrotoluene	<0.099		1.96	2.00		ug/L		102	70 - 130
2,6-Dinitrotoluene	<0.099		1.96	1.94		ug/L		99	70 - 130
2-Methylnaphthalene	<0.099		1.96	1.99		ug/L		101	70 - 130
4,4'-DDD	<0.099		1.96	2.11		ug/L		108	70 - 130
4,4'-DDE	<0.099		1.96	2.04		ug/L		104	70 - 130
4,4'-DDT	<0.099		1.96	2.15		ug/L		110	70 - 130
Acenaphthene	<0.099		1.96	1.94		ug/L		99	70 - 130
Acenaphthylene	<0.099		1.96	2.11		ug/L		108	70 - 130
Acetochlor	<0.099		1.96	2.16		ug/L		110	70 - 130
Alachlor	<0.049		1.96	2.22		ug/L		113	70 - 130
alpha-BHC	<0.099		1.96	2.03		ug/L		104	70 - 130
alpha-Chlordane	<0.049		1.96	2.05		ug/L		105	70 - 130
Anthracene	<0.020		1.96	1.40		ug/L		71	70 - 130
Atrazine	<0.049		1.96	2.30		ug/L		118	70 - 130
Benz(a)anthracene	<0.049		1.96	1.83		ug/L		94	70 - 130
Benzo[a]pyrene	<0.020		1.96	1.67		ug/L		85	70 - 130
Benzo[b]fluoranthene	<0.020		1.96	2.17		ug/L		111	70 - 130
Benzo[g,h,i]perylene	<0.049		1.96	2.09		ug/L		107	70 - 130
Benzo[k]fluoranthene	<0.020		1.96	2.09		ug/L		107	70 - 130
beta-BHC	<0.099		1.96	2.07		ug/L		106	70 - 130
Bis(2-ethylhexyl) phthalate	<0.59		1.96	1.96		ug/L		100	70 - 130
Bromacil	<0.099		1.96	2.11		ug/L		108	70 - 130
Butachlor	<0.049		1.96	2.29		ug/L		117	70 - 130
Butylbenzylphthalate	<0.49		1.96	2.29		ug/L		117	70 - 130
Chlorobenzilate	<0.099		1.96	1.93		ug/L		98	70 - 130
Chloroneb	<0.099		1.96	2.00		ug/L		102	70 - 130
Chlorothalonil (Draconil, Bravo)	<0.099		1.96	2.09		ug/L		107	70 - 130
Chlorpyrifos	<0.049		1.96	2.24		ug/L		114	70 - 130
Chrysene	<0.020		1.96	2.06		ug/L		105	70 - 130
delta-BHC	<0.099		1.96	2.07		ug/L		106	70 - 130
Di(2-ethylhexyl)adipate	<0.59		1.96	1.94		ug/L		99	70 - 130
Dibenz(a,h)anthracene	<0.049		1.96	1.89		ug/L		96	70 - 130
Diclorvos (DDVP)	<0.049		1.96	2.10		ug/L		107	70 - 130
Dieldrin	<0.0099	^3+	1.96	2.09		ug/L		107	70 - 130
Diethylphthalate	<0.49		1.96	2.19		ug/L		112	70 - 130
Dimethylphthalate	<0.49		1.96	2.19		ug/L		112	70 - 130
Di-n-butyl phthalate	<0.99		3.92	4.43		ug/L		113	70 - 130
Di-n-octyl phthalate	<0.099		1.96	1.62		ug/L		83	70 - 130
Endosulfan I (Alpha)	<0.099		1.96	2.05		ug/L		105	70 - 130
Endosulfan II (Beta)	<0.099		1.96	2.05		ug/L		105	70 - 130
Endosulfan sulfate	<0.099		1.96	2.14		ug/L		109	70 - 130
Endrin	<0.0099		1.96	1.98		ug/L		101	70 - 130
Endrin aldehyde	<0.099		1.96	1.91		ug/L		97	60 - 130
EPTC	<0.099		1.96	2.14		ug/L		109	70 - 130

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

Lab Sample ID: 380-133893-1 MS
Matrix: Drinking Water
Analysis Batch: 133603

Client Sample ID: AIEA GULCH WELLS PUMP 1 (331-201-TP071)
Prep Type: Total/NA
Prep Batch: 133237

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoranthene	<0.099		1.96	2.14		ug/L		109	70 - 130
Fluorene	<0.049		1.96	2.13		ug/L		108	70 - 130
gamma-Chlordane	<0.049		1.96	2.09		ug/L		107	70 - 130
Heptachlor	<0.0099		1.96	2.02		ug/L		103	70 - 130
Heptachlor epoxide (isomer B)	<0.0099		1.96	2.06		ug/L		105	70 - 130
Hexachlorobenzene	<0.049		1.96	1.94		ug/L		99	70 - 130
Hexachlorocyclopentadiene	<0.049		1.96	1.98		ug/L		101	70 - 130
Indeno[1,2,3-cd]pyrene	<0.049		1.96	2.11		ug/L		108	70 - 130
Isophorone	<0.099		1.96	1.99		ug/L		102	70 - 130
Lindane	<0.0099	^3+	1.96	1.92		ug/L		98	70 - 130
Malathion	<0.099		1.96	2.19		ug/L		112	70 - 130
Methoxychlor	<0.049		1.96	2.04		ug/L		104	70 - 130
Metolachlor	<0.049		1.96	2.19		ug/L		112	70 - 130
Molinate	<0.099		1.96	2.14		ug/L		109	70 - 130
Naphthalene	<0.099		1.96	2.00		ug/L		102	70 - 130
Parathion	<0.099		1.96	2.13		ug/L		109	70 - 130
Pendimethalin (Penoxaline)	<0.099		1.96	2.05		ug/L		104	70 - 130
Phenanthrene	<0.039		1.96	1.96		ug/L		100	70 - 130
Propachlor	<0.049		1.96	2.18		ug/L		111	70 - 130
Pyrene	<0.049		1.96	2.07		ug/L		106	70 - 130
Simazine	<0.049		1.96	2.22		ug/L		113	70 - 130
Terbacil	<0.099		1.96	2.14		ug/L		109	70 - 130
Terbuthylazine	<0.099		1.96	2.23		ug/L		114	70 - 130
Thiobencarb	<0.099		1.96	2.20		ug/L		112	70 - 130
trans-Nonachlor	<0.049		1.96	2.03		ug/L		104	70 - 130
Trifluralin	<0.099		1.96	2.00		ug/L		102	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Nitro-m-xylene	*98*		*70 - 130*
Perylene-d12	*96*		*70 - 130*
Triphenylphosphate	*101*		*70 - 130*

Lab Sample ID: 380-133893-2 DU
Matrix: Drinking Water
Analysis Batch: 133603

Client Sample ID: AIEA GULCH WELLS PUMP 2 (331-202-TP072)
Prep Type: Total/NA
Prep Batch: 133237

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
1-Methylnaphthalene	<0.097		<0.098		ug/L		NC	20
2,4'-DDD	<0.097		<0.098		ug/L		NC	20
2,4'-DDE	<0.097		<0.098		ug/L		NC	20
2,4'-DDT	<0.097		<0.098		ug/L		NC	20
2,4-Dinitrotoluene	<0.097		<0.098		ug/L		NC	20
2,6-Dinitrotoluene	<0.097		<0.098		ug/L		NC	20
2-Methylnaphthalene	<0.097		<0.098		ug/L		NC	20
4,4'-DDD	<0.097		<0.098		ug/L		NC	20
4,4'-DDE	<0.097		<0.098		ug/L		NC	20
4,4'-DDT	<0.097		<0.098		ug/L		NC	20
Acenaphthene	<0.097		<0.098		ug/L		NC	20

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

Lab Sample ID: 380-133893-2 DU
Matrix: Drinking Water
Analysis Batch: 133603

Client Sample ID: AIEA GULCH WELLS PUMP 2 (331-202-TP072)
Prep Type: Total/NA
Prep Batch: 133237

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Acenaphthylene	<0.097			<0.098		ug/L				NC	20
Acetochlor	<0.097			<0.098		ug/L				NC	20
Alachlor	<0.049			<0.049		ug/L				NC	20
alpha-BHC	<0.097			<0.098		ug/L				NC	20
alpha-Chlordane	<0.049			<0.049		ug/L				NC	20
Anthracene	<0.019			<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	<0.019			<0.020		ug/L				NC	20
Benzo[b]fluoranthene	<0.019			<0.020		ug/L				NC	20
Benzo[g,h,i]perylene	<0.049			<0.049		ug/L				NC	20
Benzo[k]fluoranthene	<0.019			<0.020		ug/L				NC	20
beta-BHC	<0.097			<0.098		ug/L				NC	20
Bis(2-ethylhexyl) phthalate	<0.58			<0.59		ug/L				NC	20
Bromacil	<0.097			<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	<0.097			<0.098		ug/L				NC	20
Chloroneb	<0.097			<0.098		ug/L				NC	20
Chlorothalonil (Draconil, Bravo)	<0.097			<0.098		ug/L				NC	20
Chlorpyrifos	<0.049			<0.049		ug/L				NC	20
Chrysene	<0.019			<0.020		ug/L				NC	20
delta-BHC	<0.097			<0.098		ug/L				NC	20
Di(2-ethylhexyl)adipate	<0.58			<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	<0.0097	^3+		<0.0098		ug/L				NC	20
Diethylphthalate	<0.49			<0.49		ug/L				NC	20
Dimethylphthalate	<0.49			<0.49		ug/L				NC	20
Di-n-butyl phthalate	<0.97			<0.98		ug/L				NC	20
Di-n-octyl phthalate	<0.097			<0.098		ug/L				NC	20
Endosulfan I (Alpha)	<0.097			<0.098		ug/L				NC	20
Endosulfan II (Beta)	<0.097			<0.098		ug/L				NC	20
Endosulfan sulfate	<0.097			<0.098		ug/L				NC	20
Endrin	<0.0097			<0.0098		ug/L				NC	20
Endrin aldehyde	<0.097			<0.098		ug/L				NC	20
EPTC	<0.097			<0.098		ug/L				NC	20
Fluoranthene	<0.097			<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	<0.0097			<0.0098		ug/L				NC	20
Heptachlor epoxide (isomer B)	<0.0097			<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	<0.097			<0.098		ug/L				NC	20
Lindane	<0.0097	^3+		<0.0098		ug/L				NC	20
Malathion	<0.097			<0.098		ug/L				NC	20
Methoxychlor	<0.049			<0.049		ug/L				NC	20

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

Lab Sample ID: 380-133893-2 DU
Matrix: Drinking Water
Analysis Batch: 133603

Client Sample ID: AIEA GULCH WELLS PUMP 2 (331-202-TP072)
Prep Type: Total/NA
Prep Batch: 133237

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Metolachlor	<0.049			<0.049		ug/L				NC	20
Molinate	<0.097			<0.098		ug/L				NC	20
Naphthalene	<0.097			<0.098		ug/L				NC	20
Parathion	<0.097			<0.098		ug/L				NC	20
Pendimethalin (Penoxaline)	<0.097			<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	<0.097			<0.098		ug/L				NC	20
Terbuthylazine	<0.097			<0.098		ug/L				NC	20
Thiobencarb	<0.097			<0.098		ug/L				NC	20
Total Permethrin (mixed isomers)	<0.19			<0.20		ug/L				NC	20
trans-Nonachlor	<0.049			<0.049		ug/L				NC	20
Trifluralin	<0.097			<0.098		ug/L				NC	20

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
2-Nitro-m-xylene	*99*		*70 - 130*
Perylene-d12	*99*		*70 - 130*
Triphenylphosphate	*103*		*70 - 130*

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

Lab Sample ID: MB 570-530931/1-A
Matrix: Water
Analysis Batch: 534683

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 530931

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*	*02/06/25 18:12*	*02/17/25 16:05*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*102*		*33 - 139*	*02/06/25 18:12*	*02/17/25 16:05*	*1*
2-Fluorobiphenyl (Surr)	*84*		*33 - 126*	*02/06/25 18:12*	*02/17/25 16:05*	*1*
2-Fluorophenol (Surr)	*45*		*12 - 120*	*02/06/25 18:12*	*02/17/25 16:05*	*1*
Nitrobenzene-d5 (Surr)	*101*		*36 - 120*	*02/06/25 18:12*	*02/17/25 16:05*	*1*
Phenol-d6 (Surr)	*25*		*10 - 120*	*02/06/25 18:12*	*02/17/25 16:05*	*1*
p-Terphenyl-d14 (Surr)	*88*		*47 - 131*	*02/06/25 18:12*	*02/17/25 16:05*	*1*

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

Lab Sample ID: MB 570-530931/1-A
Matrix: Water
Analysis Batch: 533360

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 530931

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.20		0.20		ug/L		02/06/25 18:12	02/13/25 11:12	1
2-Methylnaphthalene	<0.20		0.20		ug/L		02/06/25 18:12	02/13/25 11:12	1
Acenaphthene	<0.20		0.20		ug/L		02/06/25 18:12	02/13/25 11:12	1

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

Lab Sample ID: MB 570-530931/1-A
Matrix: Water
Analysis Batch: 533360

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 530931

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	<0.20		0.20		ug/L		02/06/25 18:12	02/13/25 11:12	1
Anthracene	<0.20		0.20		ug/L		02/06/25 18:12	02/13/25 11:12	1
Benzo[a]anthracene	<0.20		0.20		ug/L		02/06/25 18:12	02/13/25 11:12	1
Benzo[a]pyrene	<0.20		0.20		ug/L		02/06/25 18:12	02/13/25 11:12	1
Benzo[b]fluoranthene	<0.20		0.20		ug/L		02/06/25 18:12	02/13/25 11:12	1
Benzo[g,h,i]perylene	<0.20		0.20		ug/L		02/06/25 18:12	02/13/25 11:12	1
Benzo[k]fluoranthene	<0.20		0.20		ug/L		02/06/25 18:12	02/13/25 11:12	1
Chrysene	<0.20		0.20		ug/L		02/06/25 18:12	02/13/25 11:12	1
Dibenz(a,h)anthracene	<0.20		0.20		ug/L		02/06/25 18:12	02/13/25 11:12	1
Fluoranthene	<0.20		0.20		ug/L		02/06/25 18:12	02/13/25 11:12	1
Fluorene	<0.20		0.20		ug/L		02/06/25 18:12	02/13/25 11:12	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20		ug/L		02/06/25 18:12	02/13/25 11:12	1
Naphthalene	<0.20		0.20		ug/L		02/06/25 18:12	02/13/25 11:12	1
Phenanthrene	<0.20		0.20		ug/L		02/06/25 18:12	02/13/25 11:12	1
Pyrene	<0.20		0.20		ug/L		02/06/25 18:12	02/13/25 11:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*91*		*28 - 127*	*02/06/25 18:12*	*02/13/25 11:12*	*1*
2-Fluorobiphenyl (Surr)	*82*		*31 - 120*	*02/06/25 18:12*	*02/13/25 11:12*	*1*
2-Fluorophenol (Surr)	*44*		*17 - 120*	*02/06/25 18:12*	*02/13/25 11:12*	*1*
Nitrobenzene-d5 (Surr)	*82*		*27 - 120*	*02/06/25 18:12*	*02/13/25 11:12*	*1*
Phenol-d6 (Surr)	*24*		*10 - 120*	*02/06/25 18:12*	*02/13/25 11:12*	*1*
p-Terphenyl-d14 (Surr)	*79*		*45 - 120*	*02/06/25 18:12*	*02/13/25 11:12*	*1*

Lab Sample ID: LCS 570-530931/2-A
Matrix: Water
Analysis Batch: 533360

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 530931

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	20.0	13.7		ug/L		69	47 - 120
2-Methylnaphthalene	20.0	15.4		ug/L		77	43 - 120
Acenaphthene	20.0	16.4		ug/L		82	60 - 132
Acenaphthylene	20.0	15.7		ug/L		79	54 - 126
Anthracene	20.0	17.0		ug/L		85	43 - 120
Benzo[a]anthracene	20.0	17.9		ug/L		89	42 - 133
Benzo[a]pyrene	20.0	18.5		ug/L		92	32 - 148
Benzo[b]fluoranthene	20.0	18.0		ug/L		90	42 - 140
Benzo[g,h,i]perylene	20.0	16.5		ug/L		83	1 - 195
Benzo[k]fluoranthene	20.0	17.5		ug/L		87	25 - 146
Chrysene	20.0	16.6		ug/L		83	44 - 140
Dibenz(a,h)anthracene	20.0	17.1		ug/L		86	1 - 200
Fluoranthene	20.0	17.2		ug/L		86	43 - 121
Fluorene	20.0	16.4		ug/L		82	70 - 120
Indeno[1,2,3-cd]pyrene	20.0	18.0		ug/L		90	1 - 151
Naphthalene	20.0	13.6		ug/L		68	36 - 120
Phenanthrene	20.0	17.0		ug/L		85	65 - 120
Pyrene	20.0	17.9		ug/L		89	70 - 120

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

Lab Sample ID: LCS 570-530931/2-A
Matrix: Water
Analysis Batch: 533360

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 530931

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*76*		*28 - 127*
2-Fluorobiphenyl (Surr)	*74*		*31 - 120*
2-Fluorophenol (Surr)	*49*		*17 - 120*
Nitrobenzene-d5 (Surr)	*63*		*27 - 120*
Phenol-d6 (Surr)	*31*		*10 - 120*
p-Terphenyl-d14 (Surr)	*82*		*45 - 120*

Lab Sample ID: LCSD 570-530931/3-A
Matrix: Water
Analysis Batch: 533360

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 530931

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	20.0	15.3		ug/L		77	47 - 120	11	20
2-Methylnaphthalene	20.0	17.7		ug/L		88	43 - 120	14	20
Acenaphthene	20.0	17.9		ug/L		89	60 - 132	9	29
Acenaphthylene	20.0	17.2		ug/L		86	54 - 126	9	45
Anthracene	20.0	18.1		ug/L		90	43 - 120	6	40
Benzo[a]anthracene	20.0	18.7		ug/L		93	42 - 133	4	32
Benzo[a]pyrene	20.0	18.3		ug/L		92	32 - 148	1	43
Benzo[b]fluoranthene	20.0	18.1		ug/L		91	42 - 140	1	43
Benzo[g,h,i]perylene	20.0	16.5		ug/L		83	1 - 195	0	61
Benzo[k]fluoranthene	20.0	17.7		ug/L		89	25 - 146	1	38
Chrysene	20.0	17.6		ug/L		88	44 - 140	6	53
Dibenz(a,h)anthracene	20.0	17.9		ug/L		89	1 - 200	4	75
Fluoranthene	20.0	17.9		ug/L		90	43 - 121	4	40
Fluorene	20.0	18.2		ug/L		91	70 - 120	10	23
Indeno[1,2,3-cd]pyrene	20.0	18.1		ug/L		90	1 - 151	0	60
Naphthalene	20.0	15.0		ug/L		75	36 - 120	10	39
Phenanthrene	20.0	18.2		ug/L		91	65 - 120	7	24
Pyrene	20.0	19.5		ug/L		97	70 - 120	9	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*83*		*28 - 127*
2-Fluorobiphenyl (Surr)	*79*		*31 - 120*
2-Fluorophenol (Surr)	*50*		*17 - 120*
Nitrobenzene-d5 (Surr)	*72*		*27 - 120*
Phenol-d6 (Surr)	*31*		*10 - 120*
p-Terphenyl-d14 (Surr)	*87*		*45 - 120*

Lab Sample ID: 380-133869-A-1-A MS
Matrix: Water
Analysis Batch: 533857

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 530931

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.19		19.2	13.5		ug/L		70	36 - 120
2-Methylnaphthalene	<0.19		19.2	15.1		ug/L		79	32 - 124
Acenaphthene	<0.19		19.2	16.4		ug/L		86	47 - 145
Acenaphthylene	<0.19		19.2	15.8		ug/L		82	33 - 145

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

Lab Sample ID: 380-133869-A-1-A MS
Matrix: Water
Analysis Batch: 533857

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 530931

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Anthracene	<0.19		19.2	16.4		ug/L		86	27 - 133
Benzo[a]anthracene	<0.19		19.2	17.2		ug/L		90	33 - 143
Benzo[a]pyrene	<0.19		19.2	17.4		ug/L		91	17 - 163
Benzo[b]fluoranthene	<0.19		19.2	17.3		ug/L		91	24 - 159
Benzo[g,h,i]perylene	<0.19		19.2	15.2		ug/L		79	1 - 219
Benzo[k]fluoranthene	<0.19		19.2	16.3		ug/L		85	11 - 162
Chrysene	<0.19		19.2	16.0		ug/L		84	17 - 168
Dibenz(a,h)anthracene	<0.19		19.2	16.3		ug/L		85	1 - 227
Fluoranthene	<0.19		19.2	15.8		ug/L		83	26 - 137
Fluorene	<0.19		19.2	16.3		ug/L		85	59 - 121
Indeno[1,2,3-cd]pyrene	<0.19		19.2	16.9		ug/L		88	1 - 171
Naphthalene	<0.19		19.2	13.4		ug/L		70	21 - 133
Phenanthrene	<0.19		19.2	16.8		ug/L		88	54 - 120
Pyrene	<0.19		19.2	17.3		ug/L		90	52 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*80*		*28 - 127*
2-Fluorobiphenyl (Surr)	*76*		*31 - 120*
2-Fluorophenol (Surr)	*52*		*17 - 120*
Nitrobenzene-d5 (Surr)	*67*		*27 - 120*
Phenol-d6 (Surr)	*32*		*10 - 120*
p-Terphenyl-d14 (Surr)	*81*		*45 - 120*

Lab Sample ID: 380-133869-A-1-B MSD
Matrix: Water
Analysis Batch: 533857

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 530931

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	<0.19		19.2	13.6		ug/L		71	36 - 120	1	30
2-Methylnaphthalene	<0.19		19.2	15.6		ug/L		81	32 - 124	4	30
Acenaphthene	<0.19		19.2	16.7		ug/L		87	47 - 145	2	48
Acenaphthylene	<0.19		19.2	16.1		ug/L		83	33 - 145	2	74
Anthracene	<0.19		19.2	16.9		ug/L		88	27 - 133	3	66
Benzo[a]anthracene	<0.19		19.2	17.0		ug/L		88	33 - 143	1	53
Benzo[a]pyrene	<0.19		19.2	17.3		ug/L		90	17 - 163	0	72
Benzo[b]fluoranthene	<0.19		19.2	16.9		ug/L		88	24 - 159	3	71
Benzo[g,h,i]perylene	<0.19		19.2	15.4		ug/L		80	1 - 219	1	97
Benzo[k]fluoranthene	<0.19		19.2	16.6		ug/L		86	11 - 162	2	63
Chrysene	<0.19		19.2	16.0		ug/L		83	17 - 168	0	87
Dibenz(a,h)anthracene	<0.19		19.2	16.4		ug/L		85	1 - 227	0	126
Fluoranthene	<0.19		19.2	16.6		ug/L		86	26 - 137	5	66
Fluorene	<0.19		19.2	16.2		ug/L		84	59 - 121	1	38
Indeno[1,2,3-cd]pyrene	<0.19		19.2	16.9		ug/L		88	1 - 171	0	99
Naphthalene	<0.19		19.2	13.9		ug/L		72	21 - 133	4	65
Phenanthrene	<0.19		19.2	17.0		ug/L		89	54 - 120	1	39
Pyrene	<0.19		19.2	17.7		ug/L		92	52 - 120	2	49

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

Lab Sample ID: 380-133869-A-1-B MSD
Matrix: Water
Analysis Batch: 533857

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 530931

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*80*		*28 - 127*
2-Fluorobiphenyl (Surr)	*80*		*31 - 120*
2-Fluorophenol (Surr)	*52*		*17 - 120*
Nitrobenzene-d5 (Surr)	*68*		*27 - 120*
Phenol-d6 (Surr)	*32*		*10 - 120*
p-Terphenyl-d14 (Surr)	*77*		*45 - 120*

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

Lab Sample ID: MB 570-533375/6
Matrix: Water
Analysis Batch: 533375

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			02/13/25 11:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*38 - 134*		*02/13/25 11:55*	*1*

Lab Sample ID: LCS 570-533375/4
Matrix: Water
Analysis Batch: 533375

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	392		ug/L		98	78 - 120		

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

Lab Sample ID: LCSD 570-533375/5
Matrix: Water
Analysis Batch: 533375

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	373		ug/L		93	78 - 120	5	10

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

Lab Sample ID: MRL 570-533375/3
Matrix: Water
Analysis Batch: 533375

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (C4-C13)			10.0	11.4		ug/L		114	50 - 150		

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

Lab Sample ID: MRL 570-533375/3
Matrix: Water
Analysis Batch: 533375

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

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

Lab Sample ID: 380-133869-B-1 MS
Matrix: Water
Analysis Batch: 533375

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	392		ug/L		98	68 - 122		

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

Lab Sample ID: 380-133869-B-1 MSD
Matrix: Water
Analysis Batch: 533375

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	391		ug/L		98	68 - 122	0	18

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

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

Lab Sample ID: MB 570-531752/1-A
Matrix: Water
Analysis Batch: 532732

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 531752

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<25		25		ug/L		02/09/25 14:11	02/11/25 21:49	1
Motor Oil Range Organics [C24-C36]	<25		25		ug/L		02/09/25 14:11	02/11/25 21:49	1
C8-C18	<25		25		ug/L		02/09/25 14:11	02/11/25 21:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*100*		*60 - 130*	*02/09/25 14:11*	*02/11/25 21:49*	*1*

Lab Sample ID: LCS 570-531752/2-A
Matrix: Water
Analysis Batch: 532732

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 531752

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28			1600	977		ug/L		61	56 - 127		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane (Surr)	*90*		*60 - 130*

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

Lab Sample ID: LCSD 570-531752/3-A
Matrix: Water
Analysis Batch: 532732

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 531752

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28			1600	1270	*1	ug/L		80	56 - 127	26	23

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

Lab Sample ID: MRL 570-531752/4-A
Matrix: Water
Analysis Batch: 536893

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 531752

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28			0.0200	0.0242	J	mg/L		121	50 - 150		

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
n-Octacosane (Surr)	*83*		*60 - 130*

Lab Sample ID: 380-133869-C-1-A MS
Matrix: Water
Analysis Batch: 532732

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 531752

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28	<26	^3+	1640	1290		ug/L		78	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
n-Octacosane (Surr)	*99*		*60 - 130*

Lab Sample ID: 380-133869-C-1-B MSD
Matrix: Water
Analysis Batch: 532732

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 531752

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28	<26	^3+	1660	1430		ug/L		86	70 - 130	11	20

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

GC/MS Semi VOA

Prep Batch: 133237

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-133893-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	525.2	
380-133893-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	525.2	
MB 380-133237/21-A	Method Blank	Total/NA	Water	525.2	
LCS 380-133237/23-A	Lab Control Sample	Total/NA	Water	525.2	
LCSD 380-133237/24-A	Lab Control Sample Dup	Total/NA	Water	525.2	
MRL 380-133237/22-A	Lab Control Sample	Total/NA	Water	525.2	
380-133893-1 MS	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	525.2	
380-133893-2 DU	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	525.2	

Analysis Batch: 133603

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-133893-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	525.2	133237
380-133893-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	525.2	133237
MB 380-133237/21-A	Method Blank	Total/NA	Water	525.2	133237
LCS 380-133237/23-A	Lab Control Sample	Total/NA	Water	525.2	133237
LCSD 380-133237/24-A	Lab Control Sample Dup	Total/NA	Water	525.2	133237
MRL 380-133237/22-A	Lab Control Sample	Total/NA	Water	525.2	133237
380-133893-1 MS	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	525.2	133237
380-133893-2 DU	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	525.2	133237

Prep Batch: 530931

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-133893-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	625.1	
380-133893-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	625.1	
MB 570-530931/1-A	Method Blank	Total/NA	Water	625.1	
LCS 570-530931/2-A	Lab Control Sample	Total/NA	Water	625.1	
LCSD 570-530931/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	
380-133869-A-1-A MS	Matrix Spike	Total/NA	Water	625.1	
380-133869-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	625.1	

Analysis Batch: 533360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-530931/1-A	Method Blank	Total/NA	Water	625.1 SIM	530931
LCS 570-530931/2-A	Lab Control Sample	Total/NA	Water	625.1 SIM	530931
LCSD 570-530931/3-A	Lab Control Sample Dup	Total/NA	Water	625.1 SIM	530931

Analysis Batch: 533857

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-133893-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	625.1 SIM	530931
380-133869-A-1-A MS	Matrix Spike	Total/NA	Water	625.1 SIM	530931
380-133869-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	625.1 SIM	530931

Analysis Batch: 534628

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-133893-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	625.1 SIM	530931

Analysis Batch: 534683

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-133893-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	625.1	530931
380-133893-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	625.1	530931
MB 570-530931/1-A	Method Blank	Total/NA	Water	625.1	530931

GC VOA

Analysis Batch: 533375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-133893-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	8015B GRO LL	
380-133893-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	8015B GRO LL	
380-133893-3	TB:AIEA GULCH WELLS P1 (331-201-TP071)	Total/NA	Water	8015B GRO LL	
380-133893-4	TB:AIEA GULCH WELLS P2 (331-202-TP072)	Total/NA	Water	8015B GRO LL	
MB 570-533375/6	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-533375/4	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-533375/5	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-533375/3	Lab Control Sample	Total/NA	Water	8015B GRO LL	
380-133869-B-1 MS	Matrix Spike	Total/NA	Water	8015B GRO LL	
380-133869-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B GRO LL	

GC Semi VOA

Prep Batch: 531752

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-133893-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	3510C	
380-133893-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	3510C	
MB 570-531752/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-531752/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-531752/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MRL 570-531752/4-A	Lab Control Sample	Total/NA	Water	3510C	
380-133869-C-1-A MS	Matrix Spike	Total/NA	Water	3510C	
380-133869-C-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	

Analysis Batch: 532732

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-531752/1-A	Method Blank	Total/NA	Water	8015B	531752
LCS 570-531752/2-A	Lab Control Sample	Total/NA	Water	8015B	531752
LCSD 570-531752/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	531752
380-133869-C-1-A MS	Matrix Spike	Total/NA	Water	8015B	531752
380-133869-C-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	8015B	531752

Analysis Batch: 536893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-133893-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Total/NA	Drinking Water	8015B	531752
380-133893-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Total/NA	Drinking Water	8015B	531752
MRL 570-531752/4-A	Lab Control Sample	Total/NA	Water	8015B	531752

Lab Chronicle

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

Job ID: 380-133893-1
SDG: Weekly

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

Lab Sample ID: 380-133893-1

Date Collected: 02/03/25 10:32
Date Received: 02/05/25 10:26

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			133237	OTM3	EA POM	02/06/25 08:01
Total/NA	Analysis	525.2		1	133603	Q8LA	EA POM	02/07/25 14:56
Total/NA	Prep	625.1			530931	UD4J	EET CAL 4	02/07/25 05:29
Total/NA	Analysis	625.1		1	534683	CG	EET CAL 4	02/17/25 17:15
Total/NA	Prep	625.1			530931	UD4J	EET CAL 4	02/07/25 05:29
Total/NA	Analysis	625.1 SIM		1	533857	CG	EET CAL 4	02/14/25 14:36
Total/NA	Analysis	8015B GRO LL		1	533375	A9VE	EET CAL 4	02/13/25 16:36
Total/NA	Prep	3510C			531752	TVD6	EET CAL 4	02/09/25 14:11
Total/NA	Analysis	8015B		1	536893	E5RH	EET CAL 4	02/22/25 02:23

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

Lab Sample ID: 380-133893-2

Date Collected: 02/03/25 10:00
Date Received: 02/05/25 10:26

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			133237	OTM3	EA POM	02/06/25 08:01
Total/NA	Analysis	525.2		1	133603	Q8LA	EA POM	02/07/25 15:16
Total/NA	Prep	625.1			530931	UD4J	EET CAL 4	02/07/25 05:29
Total/NA	Analysis	625.1		1	534683	CG	EET CAL 4	02/17/25 17:38
Total/NA	Prep	625.1			530931	UD4J	EET CAL 4	02/07/25 05:29
Total/NA	Analysis	625.1 SIM		1	534628	PQS1	EET CAL 4	02/17/25 11:20
Total/NA	Analysis	8015B GRO LL		1	533375	A9VE	EET CAL 4	02/13/25 17:02
Total/NA	Prep	3510C			531752	TVD6	EET CAL 4	02/09/25 14:11
Total/NA	Analysis	8015B		1	536893	E5RH	EET CAL 4	02/22/25 02:45

Client Sample ID: TB:AIEA GULCH WELLS P1 (331-201-TP071)

Lab Sample ID: 380-133893-3

Date Collected: 02/03/25 10:32
Date Received: 02/05/25 10:26

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	533375	A9VE	EET CAL 4	02/13/25 17:29

Client Sample ID: TB:AIEA GULCH WELLS P2 (331-202-TP072)

Lab Sample ID: 380-133893-4

Date Collected: 02/03/25 10:00
Date Received: 02/05/25 10:26

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	533375	A9VE	EET CAL 4	02/13/25 17:55

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: 380-133893-1
SDG: Weekly

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	01-31-25 *

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

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
Arizona	State	AZ0830	11-16-25
Arkansas DEQ	State	88-01672	07-02-25
California	Los Angeles County Sanitation Districts	9257304	07-31-26
California	SCAQMD LAP	17LA0919	11-30-25
California	State	3082	07-31-25

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

Accreditation/Certification Summary

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

Job ID: 380-133893-1
SDG: Weekly

Laboratory: Eurofins Calscience (Continued)

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

Authority	Program	Identification Number	Expiration Date
Kansas	NELAP	E-10420	07-31-25
Nevada	State	CA00111	07-31-25
Oregon	NELAP	4175	02-02-26
USDA	US Federal Programs	525-23-159-97150	06-08-26
Utah	NELAP	CA001112025-8	02-28-26
Washington	State	C916	10-11-25

Method Summary

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

Job ID: 380-133893-1
SDG: Weekly

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: 380-133893-1
SDG: Weekly

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	PWSID Number
380-133893-1	AIEA GULCH WELLS PUMP 1 (331-201-TP071)	Drinking Water	02/03/25 10:32	02/05/25 10:26	HI0000331
380-133893-2	AIEA GULCH WELLS PUMP 2 (331-202-TP072)	Drinking Water	02/03/25 10:00	02/05/25 10:26	HI0000331
380-133893-3	TB:AIEA GULCH WELLS P1 (331-201-TP071)	Water	02/03/25 10:32	02/05/25 10:26	
380-133893-4	TB:AIEA GULCH WELLS P2 (331-202-TP072)	Water	02/03/25 10:00	02/05/25 10:26	

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

Chain of Custody Record

eurofins | Environment Testing

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

Analysis Requested

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

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	625.1, 625.1_SIM	8015B_GRO_LL - (MOD) GRO	8015B_DRO_LL_CS - HNL Ranges C10-C24/C24-C36/C8-C18	525.2_PREC - (MOD) 525plus 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	3-Feb-2025	1032	G	Water			2	3	2	2				
Aiea Gulch Wells Pump 1 (Matrix Spike)				Water										
Aiea Gulch Wells Pump 1 (Matrix Spike Duplicate)				Water										
TB: Aiea Gulch Wells Pump 1	3-Feb-2025	1032		Water				2						
Aiea Gulch Wells Pump 2	3-Feb-2025	1050	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	3-Feb-2025	1050		Water				2						
														④ 7718 6850 2382

380-133893 COC

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

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

Deliverable Requested I, II, III IV, Other (specify)

Special Instructions/QC Requirements: ① 7718 6850 2350 ② 7718 6850 2360

Empty Kit Relinquished by: [redacted] | Date | Time: | Method of Shipment: FEDEX ③ 7718 6850 2371

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[redacted]	02/05/2025 1400	HBWS		02/05/25 10:26	EEAP
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No. (751A)

Cooler Temperature(s) °C and Other Remarks: ① 0.3°-0.0°=0.3° ② 1.0°-0.0°=1.0° ③ 3.2°-0.0°=3.2° ④ 0.7°-0.0°=0.7° 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 | Env

Loc: 380
133893

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arada, Rachelle	Carrier Tracking No(s): N/A	COC No: 380-188253.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Rachelle.Arada@et.eurofinsus.com	State of Origin: Hawaii	Page: Page 1 of 1
Company: Eurofins Environment Testing Southwest,		Accreditations Required (See note): State - Hawaii		Job #: 380-133893-1
Address: 2841 Dow Avenue, Suite 100, ,	Due Date Requested: 2/18/2025			
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			

Preservation Codes: -

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015B_DRO_LL_CS/3510C_LL HNL Ranges: C10-C24/C24-C36/C8-C18	625.1_SIM/625_Prep (MOD) Extended PAH List	625.1/625_Prep (MOD) Tentatively Identified Compounds (Hold)	8015B_GRO_LL/5030C (MOD) GRO	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
AIEA GULCH WELLS PUMP 1 (331-201-TP071) (380-133893-1)	2/3/25	10:32 Hawaiian	G	Water			X	X	X	X	1	MRLs are needed. Confirm any hits >RL.
AIEA GULCH WELLS PUMP 2 (331-202-TP072) (380-133893-2)	2/3/25	10:00 Hawaiian	G	Water			X	X	X	X	1	MRLs are needed. Confirm any hits >RL.
TB:AIEA GULCH WELLS P1 (331-201-TP071) (380-133893-3)	2/3/25	10:32 Hawaiian	G	Water						X	2	MRLs are needed.
TB:AIEA GULCH WELLS P2 (331-202-TP072) (380-133893-4)	2/3/25	10:00 Hawaiian	G	Water						X	2	MRLs are needed.

380-133893 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
1		2/6/25 1340	EEA		2/6/25 13:40	EE
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.6 / 1.8 SCIF

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-133893-1
SDG Number: Weekly

Login Number: 133893
List Number: 1
Creator: Ngo, Theodore

List Source: Eurofins Eaton Analytical Pomona

Question	Answer	Comment
The coolers custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
Samples were received on ice.	True	
Cooler(s) Temperature is acceptable.	True	
Cooler(s) Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and is legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
ClO4 headspace requirement met (>50% for CA, >30% for other states).	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: 380-133893-1
SDG Number: Weekly

Login Number: 133893
List Number: 2
Creator: Khana, Piyush

List Source: Eurofins Calscience
List Creation: 02/06/25 05:51 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	1.8
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	