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ANALYTICAL REPORT

PREPARED FOR

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

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JOB DESCRIPTION

RED-HILL
Weekly: Moanalua Wells
RUSH Weekly Red Hill

JOB NUMBER

380-199921-1

Eurofins Pomona
941 Corporate Center Drive
Pomona CA 91768-2642

See page two for job notes and contact information.

my EOL

Job Notes

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

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

Compliance Statement

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

Authorization

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Authorized for release by
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Table of Contents

Definitions/Glossary

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

Job ID: 380-199921-1
SDG: Weekly: Moanalua Wells

Qualifiers

GC/MS Semi VOA

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

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.

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
380-199921-1

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

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

Receipt
The samples were received on 2/25/2026 9:40 AM and 2/26/2026 9:50 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.7°C.

Receipt Exceptions
The following sample(s) was listed on the Chain of Custody (COC); however, no sample(s) was received:

Bottles and vials for 625 and 8015_GRO were not received.

Bottles and vials received on 2/26/2026

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
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: 380-199921-1
SDG: Weekly: Moanalua Wells

Client Sample ID: MOANALUA WELLS (331-223-TP202) — Lab Sample ID: 380-199921-1

PWSID Number: HI0000331

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Dieldrin	0.019		0.0099		ug/L	1		525.2	Total/NA

Client Sample ID: TB:MOANALUA WELLS (331-223-TP202) — Lab Sample ID: 380-199921-2

No Detections.

Client Sample ID: MOANALUA WELLS (331-223-TP202) — Lab Sample ID: 380-199921-3

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: MOANALUA WELLS (331-223-TP202)

Date Collected: 02/23/26 10:14
Date Received: 02/25/26 09:40

Lab Sample ID: 380-199921-1

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		03/05/26 14:12	03/08/26 11:40	1
2,4'-DDD	<0.099		0.099		ug/L		03/05/26 14:12	03/08/26 11:40	1
2,4'-DDE	<0.099		0.099		ug/L		03/05/26 14:12	03/08/26 11:40	1
2,4'-DDT	<0.099		0.099		ug/L		03/05/26 14:12	03/08/26 11:40	1
2,4-Dinitrotoluene	<0.099		0.099		ug/L		03/05/26 14:12	03/08/26 11:40	1
2,6-Dinitrotoluene	<0.099		0.099		ug/L		03/05/26 14:12	03/08/26 11:40	1
2-Methylnaphthalene	<0.099		0.099		ug/L		03/05/26 14:12	03/08/26 11:40	1
4,4'-DDD	<0.099		0.099		ug/L		03/05/26 14:12	03/08/26 11:40	1
4,4'-DDE	<0.099		0.099		ug/L		03/05/26 14:12	03/08/26 11:40	1
4,4'-DDT	<0.099		0.099		ug/L		03/05/26 14:12	03/08/26 11:40	1
Acenaphthene	<0.099		0.099		ug/L		03/05/26 14:12	03/08/26 11:40	1
Acenaphthylene	<0.099		0.099		ug/L		03/05/26 14:12	03/08/26 11:40	1
Acetochlor	<0.099		0.099		ug/L		03/05/26 14:12	03/08/26 11:40	1
Alachlor	<0.049		0.049		ug/L		03/05/26 14:12	03/08/26 11:40	1
alpha-BHC	<0.099		0.099		ug/L		03/05/26 14:12	03/08/26 11:40	1
alpha-Chlordane	<0.049		0.049		ug/L		03/05/26 14:12	03/08/26 11:40	1
Anthracene	<0.020		0.020		ug/L		03/05/26 14:12	03/08/26 11:40	1
Atrazine	<0.049		0.049		ug/L		03/05/26 14:12	03/08/26 11:40	1
Benz(a)anthracene	<0.049		0.049		ug/L		03/05/26 14:12	03/08/26 11:40	1
Benzo[a]pyrene	<0.020		0.020		ug/L		03/05/26 14:12	03/08/26 11:40	1
Benzo[b]fluoranthene	<0.020		0.020		ug/L		03/05/26 14:12	03/08/26 11:40	1
Benzo[g,h,i]perylene	<0.049		0.049		ug/L		03/05/26 14:12	03/08/26 11:40	1
Benzo[k]fluoranthene	<0.020		0.020		ug/L		03/05/26 14:12	03/08/26 11:40	1
beta-BHC	<0.099		0.099		ug/L		03/05/26 14:12	03/08/26 11:40	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59		ug/L		03/05/26 14:12	03/08/26 11:40	1
Bromacil	<0.099		0.099		ug/L		03/05/26 14:12	03/08/26 11:40	1
Butachlor	<0.049		0.049		ug/L		03/05/26 14:12	03/08/26 11:40	1
Butylbenzylphthalate	<0.49		0.49		ug/L		03/05/26 14:12	03/08/26 11:40	1
Chlorobenzilate	<0.099		0.099		ug/L		03/05/26 14:12	03/08/26 11:40	1
Chloroneb	<0.099		0.099		ug/L		03/05/26 14:12	03/08/26 11:40	1
Chlorothalonil (Draconil, Bravo)	<0.099		0.099		ug/L		03/05/26 14:12	03/08/26 11:40	1
Chlorpyrifos	<0.049		0.049		ug/L		03/05/26 14:12	03/08/26 11:40	1
Chrysene	<0.020		0.020		ug/L		03/05/26 14:12	03/08/26 11:40	1
delta-BHC	<0.099		0.099		ug/L		03/05/26 14:12	03/08/26 11:40	1
Di(2-ethylhexyl)adipate	<0.59		0.59		ug/L		03/05/26 14:12	03/08/26 11:40	1
Dibenz(a,h)anthracene	<0.049		0.049		ug/L		03/05/26 14:12	03/08/26 11:40	1
Diclorvos (DDVP)	<0.049		0.049		ug/L		03/05/26 14:12	03/08/26 11:40	1
Dieldrin	**0.019**		0.0099		ug/L		03/05/26 14:12	03/08/26 11:40	1
Diethylphthalate	<0.49		0.49		ug/L		03/05/26 14:12	03/08/26 11:40	1
Dimethylphthalate	<0.49		0.49		ug/L		03/05/26 14:12	03/08/26 11:40	1
Di-n-butyl phthalate	<0.99		0.99		ug/L		03/05/26 14:12	03/08/26 11:40	1
Di-n-octyl phthalate	<0.099		0.099		ug/L		03/05/26 14:12	03/08/26 11:40	1
Endosulfan I (Alpha)	<0.099		0.099		ug/L		03/05/26 14:12	03/08/26 11:40	1
Endosulfan II (Beta)	<0.099		0.099		ug/L		03/05/26 14:12	03/08/26 11:40	1
Endosulfan sulfate	<0.099		0.099		ug/L		03/05/26 14:12	03/08/26 11:40	1
Endrin	<0.0099		0.0099		ug/L		03/05/26 14:12	03/08/26 11:40	1
Endrin aldehyde	<0.099		0.099		ug/L		03/05/26 14:12	03/08/26 11:40	1
EPTC	<0.099		0.099		ug/L		03/05/26 14:12	03/08/26 11:40	1
Fluoranthene	<0.099		0.099		ug/L		03/05/26 14:12	03/08/26 11:40	1

Client Sample ID: MOANALUA WELLS (331-223-TP202)

Date Collected: 02/23/26 10:14
Date Received: 02/25/26 09:40

Lab Sample ID: 380-199921-1

Matrix: Drinking Water
PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.049		0.049		ug/L		03/05/26 14:12	03/08/26 11:40	1
gamma-Chlordane	<0.049		0.049		ug/L		03/05/26 14:12	03/08/26 11:40	1
Heptachlor	<0.0099		0.0099		ug/L		03/05/26 14:12	03/08/26 11:40	1
Heptachlor epoxide (isomer B)	<0.0099		0.0099		ug/L		03/05/26 14:12	03/08/26 11:40	1
Hexachlorobenzene	<0.049		0.049		ug/L		03/05/26 14:12	03/08/26 11:40	1
Hexachlorocyclopentadiene	<0.049		0.049		ug/L		03/05/26 14:12	03/08/26 11:40	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049		ug/L		03/05/26 14:12	03/08/26 11:40	1
Isophorone	<0.099		0.099		ug/L		03/05/26 14:12	03/08/26 11:40	1
Lindane	<0.0099		0.0099		ug/L		03/05/26 14:12	03/08/26 11:40	1
Malathion	<0.099		0.099		ug/L		03/05/26 14:12	03/08/26 11:40	1
Methoxychlor	<0.049		0.049		ug/L		03/05/26 14:12	03/08/26 11:40	1
Metolachlor	<0.049		0.049		ug/L		03/05/26 14:12	03/08/26 11:40	1
Molinate	<0.099		0.099		ug/L		03/05/26 14:12	03/08/26 11:40	1
Naphthalene	<0.099		0.099		ug/L		03/05/26 14:12	03/08/26 11:40	1
Parathion	<0.099		0.099		ug/L		03/05/26 14:12	03/08/26 11:40	1
Pendimethalin (Penoxaline)	<0.099		0.099		ug/L		03/05/26 14:12	03/08/26 11:40	1
Phenanthrene	<0.039		0.039		ug/L		03/05/26 14:12	03/08/26 11:40	1
Propachlor	<0.049		0.049		ug/L		03/05/26 14:12	03/08/26 11:40	1
Pyrene	<0.049		0.049		ug/L		03/05/26 14:12	03/08/26 11:40	1
Simazine	<0.049		0.049		ug/L		03/05/26 14:12	03/08/26 11:40	1
Terbacil	<0.099		0.099		ug/L		03/05/26 14:12	03/08/26 11:40	1
Terbuthylazine	<0.099		0.099		ug/L		03/05/26 14:12	03/08/26 11:40	1
Thiobencarb	<0.099		0.099		ug/L		03/05/26 14:12	03/08/26 11:40	1
Total Permethrin (mixed isomers)	<0.20		0.20		ug/L		03/05/26 14:12	03/08/26 11:40	1
trans-Nonachlor	<0.049		0.049		ug/L		03/05/26 14:12	03/08/26 11:40	1
Trifluralin	<0.099		0.099		ug/L		03/05/26 14:12	03/08/26 11:40	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*	*03/05/26 14:12*	*03/08/26 11:40*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*98*		*70 - 130*	*03/05/26 14:12*	*03/08/26 11:40*	*1*
Perylene-d12	*100*		*70 - 130*	*03/05/26 14:12*	*03/08/26 11:40*	*1*
Triphenylphosphate	*104*		*70 - 130*	*03/05/26 14:12*	*03/08/26 11:40*	*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		03/01/26 09:19	03/08/26 18:22	1
Motor Oil Range Organics [C24-C36]	<27		27		ug/L		03/01/26 09:19	03/08/26 18:22	1
C8-C18	<27		27		ug/L		03/01/26 09:19	03/08/26 18:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*83*		*60 - 130*	*03/01/26 09:19*	*03/08/26 18:22*	*1*

Client Sample ID: TB:MOANALUA WELLS (331-223-TP202)

Date Collected: 02/23/26 10:14
Date Received: 02/25/26 09:40

Lab Sample ID: 380-199921-2

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10		ug/L			03/07/26 21:10	1

Client Sample ID: TB:MOANALUA WELLS (331-223-TP202)

Lab Sample ID: 380-199921-2

Date Collected: 02/23/26 10:14

Matrix: Water

Date Received: 02/25/26 09:40

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		38 - 134		03/07/26 21:10	1

Client Sample ID: MOANALUA WELLS (331-223-TP202)

Lab Sample ID: 380-199921-3

Date Collected: 02/23/26 10:14

Matrix: Water

Date Received: 02/26/26 09:50

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		02/27/26 17:45	03/02/26 13:16	1
2-Methylnaphthalene	<0.19		0.19	ug/L		02/27/26 17:45	03/02/26 13:16	1
Acenaphthene	<0.19		0.19	ug/L		02/27/26 17:45	03/02/26 13:16	1
Acenaphthylene	<0.19		0.19	ug/L		02/27/26 17:45	03/02/26 13:16	1
Anthracene	<0.19		0.19	ug/L		02/27/26 17:45	03/02/26 13:16	1
Benzo[a]anthracene	<0.19		0.19	ug/L		02/27/26 17:45	03/02/26 13:16	1
Benzo[a]pyrene	<0.19		0.19	ug/L		02/27/26 17:45	03/02/26 13:16	1
Benzo[b]fluoranthene	<0.19		0.19	ug/L		02/27/26 17:45	03/02/26 13:16	1
Benzo[g,h,i]perylene	<0.19		0.19	ug/L		02/27/26 17:45	03/02/26 13:16	1
Benzo[k]fluoranthene	<0.19		0.19	ug/L		02/27/26 17:45	03/02/26 13:16	1
Chrysene	<0.19		0.19	ug/L		02/27/26 17:45	03/02/26 13:16	1
Dibenz(a,h)anthracene	<0.19		0.19	ug/L		02/27/26 17:45	03/02/26 13:16	1
Fluoranthene	<0.19		0.19	ug/L		02/27/26 17:45	03/02/26 13:16	1
Fluorene	<0.19		0.19	ug/L		02/27/26 17:45	03/02/26 13:16	1
Indeno[1,2,3-cd]pyrene	<0.19		0.19	ug/L		02/27/26 17:45	03/02/26 13:16	1
Naphthalene	<0.19		0.19	ug/L		02/27/26 17:45	03/02/26 13:16	1
Phenanthrene	<0.19		0.19	ug/L		02/27/26 17:45	03/02/26 13:16	1
Pyrene	<0.19		0.19	ug/L		02/27/26 17:45	03/02/26 13:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	97		28 - 127	02/27/26 17:45	03/02/26 13:16	1
2-Fluorobiphenyl (Surr)	90		31 - 120	02/27/26 17:45	03/02/26 13:16	1
2-Fluorophenol (Surr)	57		17 - 120	02/27/26 17:45	03/02/26 13:16	1
Nitrobenzene-d5 (Surr)	88		27 - 120	02/27/26 17:45	03/02/26 13:16	1
Phenol-d6 (Surr)	33		10 - 120	02/27/26 17:45	03/02/26 13:16	1
p-Terphenyl-d14 (Surr)	80		45 - 120	02/27/26 17:45	03/02/26 13:16	1

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

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A	02/27/26 17:45	03/02/26 15:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	83		33 - 139	02/27/26 17:45	03/02/26 15:07	1
2-Fluorobiphenyl (Surr)	71		33 - 126	02/27/26 17:45	03/02/26 15:07	1
2-Fluorophenol (Surr)	48		12 - 120	02/27/26 17:45	03/02/26 15:07	1
Nitrobenzene-d5 (Surr)	85		36 - 120	02/27/26 17:45	03/02/26 15:07	1
Phenol-d6 (Surr)	32		10 - 120	02/27/26 17:45	03/02/26 15:07	1
p-Terphenyl-d14 (Surr)	73		47 - 131	02/27/26 17:45	03/02/26 15:07	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			03/07/26 17:07	1

Client Sample Results

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

Job ID: 380-199921-1
SDG: Weekly: Moanalua Wells

Client Sample ID: MOANALUA WELLS (331-223-TP202)
Date Collected: 02/23/26 10:14
Date Received: 02/26/26 09:50

Lab Sample ID: 380-199921-3
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*86*		*38 - 134*		*03/07/26 17:07*	*1*

Action Limit Summary

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

Job ID: 380-199921-1
SDG: Weekly: Moanalua Wells

Client Sample ID: MOANALUA WELLS (331-223-TP202) Lab Sample ID: 380-199921-1

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		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

Client Sample ID: MOANALUA WELLS (331-223-TP202) Lab Sample ID: 380-199921-3

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
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: 380-199921-1
SDG: Weekly: Moanalua Wells

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)
380-199921-1	MOANALUA WELLS (331-223-T	98	100	104

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)		
		2NMX	PRY	TPP
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
380-200889-B-1-C MS	Matrix Spike	99	98	106
380-200889-C-1-A MSD	Matrix Spike Duplicate	99	78	107
LCS 380-211047/23-A	Lab Control Sample	98	105	108
MB 380-211047/21-A	Method Blank	96	96	102
MRL 380-211047/22-A	Lab Control Sample	97	99	105

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL6	TPHd14
Lab Sample ID	Client Sample ID	(33-139)	(33-126)	(12-120)	(36-120)	(10-120)	(47-131)
380-199921-3	MOANALUA WELLS (331-223-T	83	71	48	85	32	73
MB 570-702398/1-A	Method Blank	90	77	56	94	36	79

Surrogate Legend

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

Method: 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)
380-199921-3	MOANALUA WELLS (331-223-T	97	90	57	88	33	80
380-199926-A-1-A MS	Matrix Spike	101	93	72	81	44	95
380-199926-C-1-A MSD	Matrix Spike Duplicate	110	100	79	88	50	100
LCS 570-702398/2-A	Lab Control Sample	109	99	82	85	51	103
LCSD 570-702398/3-A	Lab Control Sample Dup	109	96	80	102	49	98

Surrogate Summary

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

Job ID: 380-199921-1
SDG: Weekly: Moanalua Wells

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

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

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	TBP (28-127)	FBP (31-120)	2FP (17-120)	NBZ (27-120)	PHL6 (10-120)	TPHd14 (45-120)		
MB 570-702398/1-A	Method Blank	114	95	64	96	37	86		

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	BFB1 (38-134)							
380-199921-2	TB:MOANALUA WELLS (331-22	86							
380-199921-3	MOANALUA WELLS (331-223-TP202)	86							
380-200889-C-1 MS	Matrix Spike	76							
380-200889-C-1 MSD	Matrix Spike Duplicate	86							
LCS 570-705930/3	Lab Control Sample	80							
LCSD 570-705930/4	Lab Control Sample Dup	85							
MB 570-705930/5	Method Blank	84							
MRL 570-705930/6	Lab Control Sample	84							

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	OTCSN1 (60-130)							
380-199921-1	MOANALUA WELLS (331-223-T	83							

Surrogate Legend

OTCSN = n-Octacosane (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	OTCSN1 (60-130)							
380-199926-A-1-C MSD	Matrix Spike Duplicate	91							
380-199926-B-1-A MS	Matrix Spike	91							
LCS 570-702755/2-A	Lab Control Sample	94							
LCSD 570-702755/3-A	Lab Control Sample Dup	95							
MB 570-702755/1-A	Method Blank	87							
MRL 570-702755/4-A	Lab Control Sample	96							

Surrogate Legend

Surrogate Summary

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

Job ID: 380-199921-1
SDG: Weekly: Moanalua Wells

OTCSN = n-Octacosane (Surr)

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

Lab Sample ID: MB 380-211047/21-A
Matrix: Water
Analysis Batch: 211558

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 211047

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.098		0.098		ug/L		03/05/26 14:12	03/08/26 09:39	1
2,4'-DDD	<0.098		0.098		ug/L		03/05/26 14:12	03/08/26 09:39	1
2,4'-DDE	<0.098		0.098		ug/L		03/05/26 14:12	03/08/26 09:39	1
2,4'-DDT	<0.098		0.098		ug/L		03/05/26 14:12	03/08/26 09:39	1
2,4-Dinitrotoluene	<0.098		0.098		ug/L		03/05/26 14:12	03/08/26 09:39	1
2,6-Dinitrotoluene	<0.098		0.098		ug/L		03/05/26 14:12	03/08/26 09:39	1
2-Methylnaphthalene	<0.098		0.098		ug/L		03/05/26 14:12	03/08/26 09:39	1
4,4'-DDD	<0.098		0.098		ug/L		03/05/26 14:12	03/08/26 09:39	1
4,4'-DDE	<0.098		0.098		ug/L		03/05/26 14:12	03/08/26 09:39	1
4,4'-DDT	<0.098		0.098		ug/L		03/05/26 14:12	03/08/26 09:39	1
Acenaphthene	<0.098		0.098		ug/L		03/05/26 14:12	03/08/26 09:39	1
Acenaphthylene	<0.098		0.098		ug/L		03/05/26 14:12	03/08/26 09:39	1
Acetochlor	<0.098		0.098		ug/L		03/05/26 14:12	03/08/26 09:39	1
Alachlor	<0.049		0.049		ug/L		03/05/26 14:12	03/08/26 09:39	1
alpha-BHC	<0.098		0.098		ug/L		03/05/26 14:12	03/08/26 09:39	1
alpha-Chlordane	<0.049		0.049		ug/L		03/05/26 14:12	03/08/26 09:39	1
Anthracene	<0.020		0.020		ug/L		03/05/26 14:12	03/08/26 09:39	1
Atrazine	<0.049		0.049		ug/L		03/05/26 14:12	03/08/26 09:39	1
Benz(a)anthracene	<0.049		0.049		ug/L		03/05/26 14:12	03/08/26 09:39	1
Benzo[a]pyrene	<0.020		0.020		ug/L		03/05/26 14:12	03/08/26 09:39	1
Benzo[b]fluoranthene	<0.020		0.020		ug/L		03/05/26 14:12	03/08/26 09:39	1
Benzo[g,h,i]perylene	<0.049		0.049		ug/L		03/05/26 14:12	03/08/26 09:39	1
Benzo[k]fluoranthene	<0.020		0.020		ug/L		03/05/26 14:12	03/08/26 09:39	1
beta-BHC	<0.098		0.098		ug/L		03/05/26 14:12	03/08/26 09:39	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59		ug/L		03/05/26 14:12	03/08/26 09:39	1
Bromacil	<0.098		0.098		ug/L		03/05/26 14:12	03/08/26 09:39	1
Butachlor	<0.049		0.049		ug/L		03/05/26 14:12	03/08/26 09:39	1
Butylbenzylphthalate	<0.49		0.49		ug/L		03/05/26 14:12	03/08/26 09:39	1
Chlorobenzilate	<0.098		0.098		ug/L		03/05/26 14:12	03/08/26 09:39	1
Chloroneb	<0.098		0.098		ug/L		03/05/26 14:12	03/08/26 09:39	1
Chlorothalonil (Draconil, Bravo)	<0.098		0.098		ug/L		03/05/26 14:12	03/08/26 09:39	1
Chlorpyrifos	<0.049		0.049		ug/L		03/05/26 14:12	03/08/26 09:39	1
Chrysene	<0.020		0.020		ug/L		03/05/26 14:12	03/08/26 09:39	1
delta-BHC	<0.098		0.098		ug/L		03/05/26 14:12	03/08/26 09:39	1
Di(2-ethylhexyl)adipate	<0.59		0.59		ug/L		03/05/26 14:12	03/08/26 09:39	1
Dibenz(a,h)anthracene	<0.049		0.049		ug/L		03/05/26 14:12	03/08/26 09:39	1
Diclorvos (DDVP)	<0.049		0.049		ug/L		03/05/26 14:12	03/08/26 09:39	1
Dieldrin	<0.0098		0.0098		ug/L		03/05/26 14:12	03/08/26 09:39	1
Diethylphthalate	<0.49		0.49		ug/L		03/05/26 14:12	03/08/26 09:39	1
Dimethylphthalate	<0.49		0.49		ug/L		03/05/26 14:12	03/08/26 09:39	1
Di-n-butyl phthalate	<0.98		0.98		ug/L		03/05/26 14:12	03/08/26 09:39	1
Di-n-octyl phthalate	<0.098		0.098		ug/L		03/05/26 14:12	03/08/26 09:39	1
Endosulfan I (Alpha)	<0.098		0.098		ug/L		03/05/26 14:12	03/08/26 09:39	1
Endosulfan II (Beta)	<0.098		0.098		ug/L		03/05/26 14:12	03/08/26 09:39	1
Endosulfan sulfate	<0.098		0.098		ug/L		03/05/26 14:12	03/08/26 09:39	1
Endrin	<0.0098		0.0098		ug/L		03/05/26 14:12	03/08/26 09:39	1
Endrin aldehyde	<0.098		0.098		ug/L		03/05/26 14:12	03/08/26 09:39	1
EPTC	<0.098		0.098		ug/L		03/05/26 14:12	03/08/26 09:39	1

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

Lab Sample ID: MB 380-211047/21-A
Matrix: Water
Analysis Batch: 211558

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 211047

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	<0.098		0.098		ug/L		03/05/26 14:12	03/08/26 09:39	1
Fluorene	<0.049		0.049		ug/L		03/05/26 14:12	03/08/26 09:39	1
gamma-Chlordane	<0.049		0.049		ug/L		03/05/26 14:12	03/08/26 09:39	1
Heptachlor	<0.0098		0.0098		ug/L		03/05/26 14:12	03/08/26 09:39	1
Heptachlor epoxide (isomer B)	<0.0098		0.0098		ug/L		03/05/26 14:12	03/08/26 09:39	1
Hexachlorobenzene	<0.049		0.049		ug/L		03/05/26 14:12	03/08/26 09:39	1
Hexachlorocyclopentadiene	<0.049		0.049		ug/L		03/05/26 14:12	03/08/26 09:39	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049		ug/L		03/05/26 14:12	03/08/26 09:39	1
Isophorone	<0.098		0.098		ug/L		03/05/26 14:12	03/08/26 09:39	1
Lindane	<0.0098		0.0098		ug/L		03/05/26 14:12	03/08/26 09:39	1
Malathion	<0.098		0.098		ug/L		03/05/26 14:12	03/08/26 09:39	1
Methoxychlor	<0.049		0.049		ug/L		03/05/26 14:12	03/08/26 09:39	1
Metolachlor	<0.049		0.049		ug/L		03/05/26 14:12	03/08/26 09:39	1
Molinate	<0.098		0.098		ug/L		03/05/26 14:12	03/08/26 09:39	1
Naphthalene	<0.098		0.098		ug/L		03/05/26 14:12	03/08/26 09:39	1
Parathion	<0.098		0.098		ug/L		03/05/26 14:12	03/08/26 09:39	1
Pendimethalin (Penoxaline)	<0.098		0.098		ug/L		03/05/26 14:12	03/08/26 09:39	1
Phenanthrene	<0.039		0.039		ug/L		03/05/26 14:12	03/08/26 09:39	1
Propachlor	<0.049		0.049		ug/L		03/05/26 14:12	03/08/26 09:39	1
Pyrene	<0.049		0.049		ug/L		03/05/26 14:12	03/08/26 09:39	1
Simazine	<0.049		0.049		ug/L		03/05/26 14:12	03/08/26 09:39	1
Terbacil	<0.098		0.098		ug/L		03/05/26 14:12	03/08/26 09:39	1
Terbuthylazine	<0.098		0.098		ug/L		03/05/26 14:12	03/08/26 09:39	1
Thiobencarb	<0.098		0.098		ug/L		03/05/26 14:12	03/08/26 09:39	1
Total Permethrin (mixed isomers)	<0.20		0.20		ug/L		03/05/26 14:12	03/08/26 09:39	1
trans-Nonachlor	<0.049		0.049		ug/L		03/05/26 14:12	03/08/26 09:39	1
Trifluralin	<0.098		0.098		ug/L		03/05/26 14:12	03/08/26 09:39	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Undecane	*4.07*	*T J N*	*ug/L*		*3.17*	*1120-21-4*	*03/05/26 14:12*	*03/08/26 09:39*	*1*
Cyclohexasiloxane, dodecamethyl-	*0.602*	*T J N*	*ug/L*		*3.92*	*540-97-6*	*03/05/26 14:12*	*03/08/26 09:39*	*1*
9-Octadecenamide, (Z)-	*1.02*	*T J N*	*ug/L*		*7.96*	*301-02-0*	*03/05/26 14:12*	*03/08/26 09:39*	*1*
13-Docosenamide, (Z)-	*0.520*	*T J N*	*ug/L*		*10.49*	*112-84-5*	*03/05/26 14:12*	*03/08/26 09:39*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Nitro-m-xylene	*96*		*70 - 130*	*03/05/26 14:12*	*03/08/26 09:39*	*1*
Perylene-d12	*96*		*70 - 130*	*03/05/26 14:12*	*03/08/26 09:39*	*1*
Triphenylphosphate	*102*		*70 - 130*	*03/05/26 14:12*	*03/08/26 09:39*	*1*

Lab Sample ID: LCS 380-211047/23-A
Matrix: Water
Analysis Batch: 211558

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 211047

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	1.97	1.96		ug/L		99	70 - 130
2,4'-DDD	1.97	2.00		ug/L		102	70 - 130
2,4'-DDE	1.97	2.23		ug/L		113	70 - 130
2,4'-DDT	1.97	2.03		ug/L		103	70 - 130

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

Lab Sample ID: LCS 380-211047/23-A
Matrix: Water
Analysis Batch: 211558

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 211047

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-Dinitrotoluene	1.97	2.02		ug/L		103	70 - 130
2,6-Dinitrotoluene	1.97	1.95		ug/L		99	70 - 130
2-Methylnaphthalene	1.97	1.98		ug/L		100	70 - 130
4,4'-DDD	1.97	2.17		ug/L		110	70 - 130
4,4'-DDE	1.97	2.09		ug/L		106	70 - 130
4,4'-DDT	1.97	2.08		ug/L		106	70 - 130
Acenaphthene	1.97	1.99		ug/L		101	70 - 130
Acenaphthylene	1.97	2.00		ug/L		102	70 - 130
Acetochlor	1.97	2.20		ug/L		112	70 - 130
Alachlor	1.97	2.20		ug/L		112	70 - 130
alpha-BHC	1.97	2.02		ug/L		102	70 - 130
alpha-Chlordane	1.97	2.20		ug/L		112	70 - 130
Anthracene	1.97	1.91		ug/L		97	70 - 130
Atrazine	1.97	2.02		ug/L		103	70 - 130
Benz(a)anthracene	1.97	1.87		ug/L		95	70 - 130
Benzo[a]pyrene	1.97	2.14		ug/L		108	70 - 130
Benzo[b]fluoranthene	1.97	2.20		ug/L		111	70 - 130
Benzo[g,h,i]perylene	1.97	2.38		ug/L		121	70 - 130
Benzo[k]fluoranthene	1.97	2.29		ug/L		116	70 - 130
beta-BHC	1.97	1.97		ug/L		100	70 - 130
Bis(2-ethylhexyl) phthalate	1.97	2.40		ug/L		122	70 - 130
Bromacil	1.97	1.95		ug/L		99	70 - 130
Butachlor	1.97	2.34		ug/L		119	70 - 130
Butylbenzylphthalate	1.97	2.11		ug/L		107	70 - 130
Chlorobenzilate	1.97	2.25		ug/L		114	70 - 130
Chloroneb	1.97	2.06		ug/L		104	70 - 130
Chlorothalonil (Draconil, Bravo)	1.97	2.05		ug/L		104	70 - 130
Chlorpyrifos	1.97	2.08		ug/L		106	70 - 130
Chrysene	1.97	2.00		ug/L		102	70 - 130
delta-BHC	1.97	2.08		ug/L		106	70 - 130
Di(2-ethylhexyl)adipate	1.97	2.07		ug/L		105	70 - 130
Dibenz(a,h)anthracene	1.97	2.17		ug/L		110	70 - 130
Diclorvos (DDVP)	1.97	2.09		ug/L		106	70 - 130
Dieldrin	1.97	2.29		ug/L		116	70 - 130
Diethylphthalate	1.97	2.11		ug/L		107	70 - 130
Dimethylphthalate	1.97	1.98		ug/L		100	70 - 130
Di-n-butyl phthalate	3.94	4.45		ug/L		113	70 - 130
Di-n-octyl phthalate	1.97	2.20		ug/L		112	70 - 130
Endosulfan I (Alpha)	1.97	2.01		ug/L		102	70 - 130
Endosulfan II (Beta)	1.97	2.00		ug/L		101	70 - 130
Endosulfan sulfate	1.97	2.36		ug/L		120	70 - 130
Endrin	1.97	2.31		ug/L		117	70 - 130
Endrin aldehyde	1.97	2.18		ug/L		111	60 - 130
EPTC	1.97	2.09		ug/L		106	70 - 130
Fluoranthene	1.97	2.10		ug/L		107	70 - 130
Fluorene	1.97	1.93		ug/L		98	70 - 130
gamma-Chlordane	1.97	2.10		ug/L		106	70 - 130
Heptachlor	1.97	2.23		ug/L		113	70 - 130
Heptachlor epoxide (isomer B)	1.97	2.11		ug/L		107	70 - 130

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

Lab Sample ID: LCS 380-211047/23-A
Matrix: Water
Analysis Batch: 211558

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 211047

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Hexachlorobenzene	1.97	1.94		ug/L		99	70 - 130
Hexachlorocyclopentadiene	1.97	2.09		ug/L		106	70 - 130
Indeno[1,2,3-cd]pyrene	1.97	2.14		ug/L		109	70 - 130
Isophorone	1.97	1.95		ug/L		99	70 - 130
Lindane	1.97	2.06		ug/L		105	70 - 130
Malathion	1.97	2.34		ug/L		119	70 - 130
Methoxychlor	1.97	2.12		ug/L		108	70 - 130
Metolachlor	1.97	2.24		ug/L		114	70 - 130
Molinate	1.97	2.07		ug/L		105	70 - 130
Naphthalene	1.97	1.98		ug/L		100	70 - 130
Parathion	1.97	2.22		ug/L		112	70 - 130
Pendimethalin (Penoxaline)	1.97	2.13		ug/L		108	70 - 130
Phenanthrene	1.97	2.00		ug/L		102	70 - 130
Propachlor	1.97	2.10		ug/L		106	70 - 130
Pyrene	1.97	2.04		ug/L		104	70 - 130
Simazine	1.97	1.98		ug/L		100	70 - 130
Terbacil	1.97	2.11		ug/L		107	70 - 130
Terbuthylazine	1.97	2.14		ug/L		109	70 - 130
Thiobencarb	1.97	2.15		ug/L		109	70 - 130
trans-Nonachlor	1.97	2.05		ug/L		104	70 - 130
Trifluralin	1.97	1.98		ug/L		101	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Nitro-m-xylene	*98*		*70 - 130*
Perylene-d12	*105*		*70 - 130*
Triphenylphosphate	*108*		*70 - 130*

Lab Sample ID: MRL 380-211047/22-A
Matrix: Water
Analysis Batch: 211558

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 211047

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	0.0984	0.0987		ug/L		100	50 - 150
2,4'-DDD	0.0984	0.0959	J	ug/L		97	50 - 150
2,4'-DDE	0.0984	0.0949	J	ug/L		96	50 - 150
2,4'-DDT	0.0984	0.109		ug/L		111	50 - 150
2,4-Dinitrotoluene	0.0984	0.101		ug/L		103	50 - 150
2,6-Dinitrotoluene	0.0984	0.116		ug/L		117	50 - 150
2-Methylnaphthalene	0.0984	0.0944	J	ug/L		96	50 - 150
4,4'-DDD	0.0984	0.0987		ug/L		100	50 - 150
4,4'-DDE	0.0984	0.0988		ug/L		100	50 - 150
4,4'-DDT	0.0984	0.117		ug/L		119	50 - 150
Acenaphthene	0.0984	0.0913	J	ug/L		93	50 - 150
Acenaphthylene	0.0984	0.0979	J	ug/L		99	50 - 150
Acetochlor	0.0984	0.109		ug/L		111	50 - 150
Alachlor	0.0492	0.0528		ug/L		107	50 - 150
alpha-BHC	0.0984	0.108		ug/L		109	50 - 150
alpha-Chlordane	0.0246	<0.029		ug/L		106	50 - 150

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

Lab Sample ID: MRL 380-211047/22-A
Matrix: Water
Analysis Batch: 211558

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 211047

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Anthracene	0.0197	0.0209		ug/L		106	50 - 150
Atrazine	0.0492	0.0563		ug/L		114	50 - 150
Benz(a)anthracene	0.0492	0.0449	J	ug/L		91	50 - 150
Benzo[a]pyrene	0.0197	0.0227		ug/L		115	50 - 150
Benzo[b]fluoranthene	0.0197	0.0228		ug/L		116	50 - 150
Benzo[g,h,i]perylene	0.0492	0.0489	J	ug/L		99	50 - 150
Benzo[k]fluoranthene	0.0197	0.0232		ug/L		118	50 - 150
beta-BHC	0.0984	0.121		ug/L		123	50 - 150
Bis(2-ethylhexyl) phthalate	0.591	0.688		ug/L		116	50 - 150
Bromacil	0.0984	0.119		ug/L		121	50 - 150
Butachlor	0.0492	0.0541		ug/L		110	50 - 150
Butylbenzylphthalate	0.492	0.515		ug/L		105	50 - 150
Chlorobenzilate	0.0984	0.0978	J	ug/L		99	50 - 150
Chloroneb	0.0984	0.0958	J	ug/L		97	50 - 150
Chlorothalonil (Draconil, Bravo)	0.0984	0.101		ug/L		102	50 - 150
Chlorpyrifos	0.0492	0.0560		ug/L		114	50 - 150
Chrysene	0.0197	0.0253		ug/L		129	50 - 150
delta-BHC	0.0984	0.112		ug/L		114	50 - 150
Di(2-ethylhexyl)adipate	0.591	0.603		ug/L		102	50 - 150
Dibenz(a,h)anthracene	0.0492	0.0511		ug/L		104	50 - 150
Diclorvos (DDVP)	0.0492	0.0574		ug/L		117	50 - 150
Dieldrin	0.00984	0.00968	J	ug/L		98	50 - 150
Diethylphthalate	0.492	0.562		ug/L		114	50 - 150
Dimethylphthalate	0.492	0.516		ug/L		105	50 - 150
Di-n-butyl phthalate	0.492	0.548	J	ug/L		111	49 - 243
Di-n-octyl phthalate	0.0984	0.0984		ug/L		100	50 - 150
Endosulfan I (Alpha)	0.0984	0.0861	J	ug/L		88	50 - 150
Endosulfan II (Beta)	0.0984	0.113		ug/L		115	50 - 150
Endosulfan sulfate	0.0984	0.0937	J	ug/L		95	50 - 150
Endrin	0.00984	0.0103		ug/L		105	50 - 150
Endrin aldehyde	0.0984	0.108		ug/L		110	50 - 150
EPTC	0.0984	0.100		ug/L		102	50 - 150
Fluoranthene	0.0984	0.104		ug/L		105	50 - 150
Fluorene	0.0492	0.0518		ug/L		105	50 - 150
gamma-Chlordane	0.0246	0.0269	J	ug/L		109	50 - 150
Heptachlor	0.00984	0.00881	J	ug/L		89	50 - 150
Heptachlor epoxide (isomer B)	0.00984	0.0115		ug/L		117	50 - 150
Hexachlorobenzene	0.0492	0.0458	J	ug/L		93	50 - 150
Hexachlorocyclopentadiene	0.0492	0.0568		ug/L		115	50 - 150
Indeno[1,2,3-cd]pyrene	0.0492	0.0531		ug/L		108	50 - 150
Isophorone	0.0984	0.115		ug/L		117	50 - 150
Lindane	0.00984	0.0129		ug/L		131	50 - 150
Malathion	0.0984	0.0988		ug/L		100	50 - 150
Methoxychlor	0.0492	0.0570		ug/L		116	50 - 150
Metolachlor	0.0492	0.0561		ug/L		114	50 - 150
Molinate	0.0984	0.103		ug/L		105	50 - 150
Naphthalene	0.0984	0.100		ug/L		102	50 - 150
Parathion	0.0984	0.0907	J	ug/L		92	50 - 150
Pendimethalin (Penoxaline)	0.0984	0.102		ug/L		103	50 - 150

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

Lab Sample ID: MRL 380-211047/22-A
Matrix: Water
Analysis Batch: 211558

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 211047

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Phenanthrene			0.0394	0.0383	J	ug/L		97	50 - 150		
Propachlor			0.0492	0.0528		ug/L		107	50 - 150		
Pyrene			0.0492	0.0521		ug/L		106	50 - 150		
Simazine			0.0492	0.0504		ug/L		102	50 - 150		
Terbacil			0.0984	0.108		ug/L		110	50 - 150		
Terbuthylazine			0.0984	0.107		ug/L		108	50 - 150		
Thiobencarb			0.0984	0.105		ug/L		107	50 - 150		
trans-Nonachlor			0.0246	<0.026		ug/L		95	50 - 150		
Trifluralin			0.0984	0.0991		ug/L		101	50 - 150		

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
2-Nitro-m-xylene	*97*		*70 - 130*
Perylene-d12	*99*		*70 - 130*
Triphenylphosphate	*105*		*70 - 130*

Lab Sample ID: 380-200889-B-1-C MS
Matrix: Water
Analysis Batch: 211558

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 211047

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
1-Methylnaphthalene	<0.098		1.97	1.94		ug/L		99	70 - 130		
2,4'-DDD	<0.098		1.97	1.88		ug/L		95	70 - 130		
2,4'-DDE	<0.098		1.97	2.07		ug/L		105	70 - 130		
2,4'-DDT	<0.098		1.97	1.86		ug/L		94	70 - 130		
2,4-Dinitrotoluene	<0.098		1.97	2.13		ug/L		108	70 - 130		
2,6-Dinitrotoluene	<0.098		1.97	2.02		ug/L		103	70 - 130		
2-Methylnaphthalene	<0.098		1.97	1.96		ug/L		100	70 - 130		
4,4'-DDD	<0.098		1.97	2.07		ug/L		105	70 - 130		
4,4'-DDE	<0.098		1.97	1.92		ug/L		98	70 - 130		
4,4'-DDT	<0.098	F2	1.97	1.96		ug/L		100	70 - 130		
Acenaphthene	<0.098		1.97	1.98		ug/L		101	70 - 130		
Acenaphthylene	<0.098		1.97	2.06		ug/L		105	70 - 130		
Acetochlor	<0.098		1.97	2.12		ug/L		108	70 - 130		
Alachlor	<0.049		1.97	2.09		ug/L		106	70 - 130		
alpha-BHC	<0.098		1.97	1.97		ug/L		100	70 - 130		
alpha-Chlordane	<0.049		1.97	2.00		ug/L		102	70 - 130		
Anthracene	<0.020		1.97	1.52		ug/L		77	70 - 130		
Atrazine	<0.049		1.97	2.04		ug/L		104	70 - 130		
Benz(a)anthracene	<0.049		1.97	1.81		ug/L		92	70 - 130		
Benzo[a]pyrene	<0.020		1.97	2.16		ug/L		110	70 - 130		
Benzo[b]fluoranthene	<0.020		1.97	2.33		ug/L		118	70 - 130		
Benzo[g,h,i]perylene	<0.049	F2	1.97	2.17		ug/L		110	70 - 130		
Benzo[k]fluoranthene	<0.020		1.97	2.27		ug/L		116	70 - 130		
beta-BHC	<0.098		1.97	1.93		ug/L		98	70 - 130		
Bis(2-ethylhexyl) phthalate	<0.59	F2 F1	1.97	2.63	F1	ug/L		134	70 - 130		
Bromacil	<0.098		1.97	1.95		ug/L		99	70 - 130		
Butachlor	<0.049		1.97	2.18		ug/L		111	70 - 130		
Butylbenzylphthalate	<0.49		1.97	2.05		ug/L		104	70 - 130		

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

Lab Sample ID: 380-200889-B-1-C MS
Matrix: Water
Analysis Batch: 211558

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 211047

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chlorobenzilate	<0.098		1.97	2.24		ug/L		114	70 - 130
Chloroneb	<0.098		1.97	2.03		ug/L		103	70 - 130
Chlorothalonil (Draconil, Bravo)	<0.098		1.97	2.06		ug/L		105	70 - 130
Chlorpyrifos	<0.049		1.97	2.02		ug/L		103	70 - 130
Chrysene	<0.020		1.97	2.10		ug/L		107	70 - 130
delta-BHC	<0.098		1.97	1.98		ug/L		101	70 - 130
Di(2-ethylhexyl)adipate	<0.59	F1 F2	1.97	2.08		ug/L		106	70 - 130
Dibenz(a,h)anthracene	<0.049	F2	1.97	2.03		ug/L		103	70 - 130
Diclorvos (DDVP)	<0.049		1.97	1.98		ug/L		101	70 - 130
Dieldrin	<0.0098		1.97	2.07		ug/L		105	70 - 130
Diethylphthalate	<0.49		1.97	2.12		ug/L		108	70 - 130
Dimethylphthalate	<0.49		1.97	1.98		ug/L		101	70 - 130
Di-n-butyl phthalate	<0.98		3.93	4.22		ug/L		103	70 - 130
Di-n-octyl phthalate	<0.098	F2	1.97	2.35		ug/L		120	70 - 130
Endosulfan I (Alpha)	<0.098		1.97	1.91		ug/L		97	70 - 130
Endosulfan II (Beta)	<0.098		1.97	1.90		ug/L		96	70 - 130
Endosulfan sulfate	<0.098		1.97	2.32		ug/L		118	70 - 130
Endrin	<0.0098		1.97	2.24		ug/L		114	70 - 130
Endrin aldehyde	<0.098		1.97	1.92		ug/L		97	60 - 130
EPTC	<0.098		1.97	1.99		ug/L		101	70 - 130
Fluoranthene	<0.098		1.97	2.02		ug/L		103	70 - 130
Fluorene	<0.049		1.97	1.92		ug/L		98	70 - 130
gamma-Chlordane	<0.049		1.97	1.92		ug/L		98	70 - 130
Heptachlor	<0.0098		1.97	2.03		ug/L		103	70 - 130
Heptachlor epoxide (isomer B)	<0.0098		1.97	1.95		ug/L		99	70 - 130
Hexachlorobenzene	<0.049		1.97	1.84		ug/L		94	70 - 130
Hexachlorocyclopentadiene	<0.049		1.97	1.93		ug/L		98	70 - 130
Indeno[1,2,3-cd]pyrene	<0.049		1.97	2.14		ug/L		109	70 - 130
Isophorone	<0.098		1.97	1.83		ug/L		93	70 - 130
Lindane	<0.0098		1.97	2.04		ug/L		104	70 - 130
Malathion	<0.098		1.97	2.22		ug/L		113	70 - 130
Methoxychlor	<0.049	F1 F2	1.97	2.32		ug/L		118	70 - 130
Metolachlor	<0.049		1.97	2.04		ug/L		104	70 - 130
Molinate	<0.098		1.97	2.02		ug/L		103	70 - 130
Naphthalene	<0.098		1.97	1.95		ug/L		99	70 - 130
Parathion	<0.098		1.97	2.20		ug/L		112	70 - 130
Pendimethalin (Penoxaline)	<0.098		1.97	2.11		ug/L		107	70 - 130
Phenanthrene	<0.039		1.97	1.96		ug/L		100	70 - 130
Propachlor	<0.049		1.97	2.04		ug/L		104	70 - 130
Pyrene	<0.049		1.97	1.97		ug/L		100	70 - 130
Simazine	<0.049		1.97	1.87		ug/L		95	70 - 130
Terbacil	<0.098		1.97	2.06		ug/L		105	70 - 130
Terbuthylazine	<0.098		1.97	2.04		ug/L		104	70 - 130
Thiobencarb	<0.098		1.97	2.11		ug/L		108	70 - 130
trans-Nonachlor	<0.049		1.97	1.79		ug/L		91	70 - 130
Trifluralin	<0.098		1.97	1.91		ug/L		97	70 - 130

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

Lab Sample ID: 380-200889-B-1-C MS
Matrix: Water
Analysis Batch: 211558

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 211047

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Nitro-m-xylene	*99*		*70 - 130*
Perylene-d12	*98*		*70 - 130*
Triphenylphosphate	*106*		*70 - 130*

Lab Sample ID: 380-200889-C-1-A MSD
Matrix: Water
Analysis Batch: 211558

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 211047

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	<0.098		1.95	1.92		ug/L		99	70 - 130	1	20
2,4'-DDD	<0.098		1.95	1.79		ug/L		92	70 - 130	5	20
2,4'-DDE	<0.098		1.95	1.80		ug/L		92	70 - 130	14	20
2,4'-DDT	<0.098		1.95	1.54		ug/L		79	70 - 130	19	20
2,4-Dinitrotoluene	<0.098		1.95	2.16		ug/L		111	70 - 130	1	20
2,6-Dinitrotoluene	<0.098		1.95	2.13		ug/L		109	70 - 130	5	20
2-Methylnaphthalene	<0.098		1.95	1.93		ug/L		99	70 - 130	1	20
4,4'-DDD	<0.098		1.95	1.95		ug/L		100	70 - 130	6	20
4,4'-DDE	<0.098		1.95	1.58		ug/L		81	70 - 130	20	20
4,4'-DDT	<0.098	F2	1.95	1.54	F2	ug/L		79	70 - 130	24	20
Acenaphthene	<0.098		1.95	1.94		ug/L		100	70 - 130	2	20
Acenaphthylene	<0.098		1.95	2.05		ug/L		105	70 - 130	1	20
Acetochlor	<0.098		1.95	2.19		ug/L		112	70 - 130	3	20
Alachlor	<0.049		1.95	2.16		ug/L		111	70 - 130	3	20
alpha-BHC	<0.098		1.95	1.94		ug/L		99	70 - 130	2	20
alpha-Chlordane	<0.049		1.95	1.86		ug/L		95	70 - 130	7	20
Anthracene	<0.020		1.95	1.55		ug/L		80	70 - 130	2	20
Atrazine	<0.049		1.95	2.17		ug/L		111	70 - 130	6	20
Benz(a)anthracene	<0.049		1.95	1.60		ug/L		82	70 - 130	12	20
Benzo[a]pyrene	<0.020		1.95	2.17		ug/L		111	70 - 130	0	20
Benzo[b]fluoranthene	<0.020		1.95	2.40		ug/L		123	70 - 130	3	20
Benzo[g,h,i]perylene	<0.049	F2	1.95	1.71	F2	ug/L		88	70 - 130	24	20
Benzo[k]fluoranthene	<0.020		1.95	2.33		ug/L		120	70 - 130	2	20
beta-BHC	<0.098		1.95	1.90		ug/L		98	70 - 130	1	20
Bis(2-ethylhexyl) phthalate	<0.59	F2 F1	1.95	2.01	F2	ug/L		103	70 - 130	27	20
Bromacil	<0.098		1.95	2.03		ug/L		104	70 - 130	4	20
Butachlor	<0.049		1.95	2.29		ug/L		117	70 - 130	5	20
Butylbenzylphthalate	<0.49		1.95	2.02		ug/L		104	70 - 130	1	20
Chlorobenzilate	<0.098		1.95	2.25		ug/L		115	70 - 130	0	20
Chloroneb	<0.098		1.95	2.04		ug/L		104	70 - 130	0	20
Chlorothalonil (Draconil, Bravo)	<0.098		1.95	2.12		ug/L		109	70 - 130	3	20
Chlorpyrifos	<0.049		1.95	2.00		ug/L		102	70 - 130	1	20
Chrysene	<0.020		1.95	2.37		ug/L		121	70 - 130	12	20
delta-BHC	<0.098		1.95	2.04		ug/L		105	70 - 130	3	20
Di(2-ethylhexyl)adipate	<0.59	F1 F2	1.95	1.33	F1 F2	ug/L		68	70 - 130	44	20
Dibenz(a,h)anthracene	<0.049	F2	1.95	1.56	F2	ug/L		80	70 - 130	26	20
Diclorvos (DDVP)	<0.049		1.95	2.05		ug/L		105	70 - 130	3	20
Dieldrin	<0.0098		1.95	2.13		ug/L		109	70 - 130	3	20
Diethylphthalate	<0.49		1.95	2.14		ug/L		110	70 - 130	1	20

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

Lab Sample ID: 380-200889-C-1-A MSD
Matrix: Water
Analysis Batch: 211558

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 211047

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Dimethylphthalate	<0.49		1.95	1.99		ug/L		102	70 - 130	1	20
Di-n-butyl phthalate	<0.98		3.90	4.35		ug/L		107	70 - 130	3	20
Di-n-octyl phthalate	<0.098	F2	1.95	1.66	F2	ug/L		85	70 - 130	34	20
Endosulfan I (Alpha)	<0.098		1.95	1.88		ug/L		96	70 - 130	2	20
Endosulfan II (Beta)	<0.098		1.95	1.82		ug/L		93	70 - 130	4	20
Endosulfan sulfate	<0.098		1.95	2.25		ug/L		115	70 - 130	3	20
Endrin	<0.0098		1.95	2.30		ug/L		118	70 - 130	2	20
Endrin aldehyde	<0.098		1.95	1.87		ug/L		96	60 - 130	3	20
EPTC	<0.098		1.95	2.02		ug/L		103	70 - 130	1	20
Fluoranthene	<0.098		1.95	2.05		ug/L		105	70 - 130	1	20
Fluorene	<0.049		1.95	1.91		ug/L		98	70 - 130	0	20
gamma-Chlordane	<0.049		1.95	1.74		ug/L		89	70 - 130	10	20
Heptachlor	<0.0098		1.95	1.98		ug/L		101	70 - 130	3	20
Heptachlor epoxide (isomer B)	<0.0098		1.95	1.98		ug/L		102	70 - 130	2	20
Hexachlorobenzene	<0.049		1.95	1.79		ug/L		92	70 - 130	3	20
Hexachlorocyclopentadiene	<0.049		1.95	1.95		ug/L		100	70 - 130	1	20
Indeno[1,2,3-cd]pyrene	<0.049		1.95	1.80		ug/L		92	70 - 130	17	20
Isophorone	<0.098		1.95	1.89		ug/L		97	70 - 130	3	20
Lindane	<0.0098		1.95	2.02		ug/L		104	70 - 130	1	20
Malathion	<0.098		1.95	2.27		ug/L		116	70 - 130	2	20
Methoxychlor	<0.049	F1 F2	1.95	2.89	F1 F2	ug/L		148	70 - 130	22	20
Metolachlor	<0.049		1.95	2.14		ug/L		110	70 - 130	5	20
Molinate	<0.098		1.95	2.03		ug/L		104	70 - 130	0	20
Naphthalene	<0.098		1.95	1.95		ug/L		100	70 - 130	0	20
Parathion	<0.098		1.95	2.28		ug/L		117	70 - 130	4	20
Pendimethalin (Penoxaline)	<0.098		1.95	2.21		ug/L		113	70 - 130	5	20
Phenanthrene	<0.039		1.95	1.97		ug/L		101	70 - 130	1	20
Propachlor	<0.049		1.95	2.11		ug/L		108	70 - 130	4	20
Pyrene	<0.049		1.95	1.98		ug/L		102	70 - 130	0	20
Simazine	<0.049		1.95	1.93		ug/L		99	70 - 130	3	20
Terbacil	<0.098		1.95	2.25		ug/L		115	70 - 130	9	20
Terbuthylazine	<0.098		1.95	2.11		ug/L		108	70 - 130	3	20
Thiobencarb	<0.098		1.95	2.20		ug/L		113	70 - 130	4	20
trans-Nonachlor	<0.049		1.95	1.60		ug/L		82	70 - 130	11	20
Trifluralin	<0.098		1.95	1.93		ug/L		99	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Nitro-m-xylene	*99*		*70 - 130*
Perylene-d12	*78*		*70 - 130*
Triphenylphosphate	*107*		*70 - 130*

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

Lab Sample ID: MB 570-702398/1-A
Matrix: Water
Analysis Batch: 702941

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 702398

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	02/27/26 17:44	03/02/26 10:16	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	90		33 - 139	02/27/26 17:44	03/02/26 10:16	1
2-Fluorobiphenyl (Surr)	77		33 - 126	02/27/26 17:44	03/02/26 10:16	1
2-Fluorophenol (Surr)	56		12 - 120	02/27/26 17:44	03/02/26 10:16	1
Nitrobenzene-d5 (Surr)	94		36 - 120	02/27/26 17:44	03/02/26 10:16	1
Phenol-d6 (Surr)	36		10 - 120	02/27/26 17:44	03/02/26 10:16	1
p-Terphenyl-d14 (Surr)	79		47 - 131	02/27/26 17:44	03/02/26 10:16	1

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

Lab Sample ID: MB 570-702398/1-A
Matrix: Water
Analysis Batch: 702938

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 702398

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.20		0.20		ug/L		02/27/26 17:44	03/02/26 08:54	1
2-Methylnaphthalene	<0.20		0.20		ug/L		02/27/26 17:44	03/02/26 08:54	1
Acenaphthene	<0.20		0.20		ug/L		02/27/26 17:44	03/02/26 08:54	1
Acenaphthylene	<0.20		0.20		ug/L		02/27/26 17:44	03/02/26 08:54	1
Anthracene	<0.20		0.20		ug/L		02/27/26 17:44	03/02/26 08:54	1
Benzo[a]anthracene	<0.20		0.20		ug/L		02/27/26 17:44	03/02/26 08:54	1
Benzo[a]pyrene	<0.20		0.20		ug/L		02/27/26 17:44	03/02/26 08:54	1
Benzo[b]fluoranthene	<0.20		0.20		ug/L		02/27/26 17:44	03/02/26 08:54	1
Benzo[g,h,i]perylene	<0.20		0.20		ug/L		02/27/26 17:44	03/02/26 08:54	1
Benzo[k]fluoranthene	<0.20		0.20		ug/L		02/27/26 17:44	03/02/26 08:54	1
Chrysene	<0.20		0.20		ug/L		02/27/26 17:44	03/02/26 08:54	1
Dibenz(a,h)anthracene	<0.20		0.20		ug/L		02/27/26 17:44	03/02/26 08:54	1
Fluoranthene	<0.20		0.20		ug/L		02/27/26 17:44	03/02/26 08:54	1
Fluorene	<0.20		0.20		ug/L		02/27/26 17:44	03/02/26 08:54	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20		ug/L		02/27/26 17:44	03/02/26 08:54	1
Naphthalene	<0.20		0.20		ug/L		02/27/26 17:44	03/02/26 08:54	1
Phenanthrene	<0.20		0.20		ug/L		02/27/26 17:44	03/02/26 08:54	1
Pyrene	<0.20		0.20		ug/L		02/27/26 17:44	03/02/26 08:54	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	114		28 - 127	02/27/26 17:44	03/02/26 08:54	1
2-Fluorobiphenyl (Surr)	95		31 - 120	02/27/26 17:44	03/02/26 08:54	1
2-Fluorophenol (Surr)	64		17 - 120	02/27/26 17:44	03/02/26 08:54	1
Nitrobenzene-d5 (Surr)	96		27 - 120	02/27/26 17:44	03/02/26 08:54	1
Phenol-d6 (Surr)	37		10 - 120	02/27/26 17:44	03/02/26 08:54	1
p-Terphenyl-d14 (Surr)	86		45 - 120	02/27/26 17:44	03/02/26 08:54	1

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

Lab Sample ID: LCS 570-702398/2-A
Matrix: Water
Analysis Batch: 702938

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 702398

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1-Methylnaphthalene			20.0	17.0		ug/L		85	47 - 120		
2-Methylnaphthalene			20.0	16.9		ug/L		85	43 - 120		
Acenaphthene			20.0	20.4		ug/L		102	60 - 132		
Acenaphthylene			20.0	14.6		ug/L		73	54 - 126		
Anthracene			20.0	20.1		ug/L		100	43 - 120		
Benzo[a]anthracene			20.0	21.9		ug/L		109	42 - 133		
Benzo[a]pyrene			20.0	24.6		ug/L		123	32 - 148		
Benzo[b]fluoranthene			20.0	23.4		ug/L		117	42 - 140		
Benzo[g,h,i]perylene			20.0	21.8		ug/L		109	1 - 195		
Benzo[k]fluoranthene			20.0	21.5		ug/L		107	25 - 146		
Chrysene			20.0	21.1		ug/L		105	44 - 140		
Dibenz(a,h)anthracene			20.0	22.3		ug/L		111	1 - 200		
Fluoranthene			20.0	21.9		ug/L		110	43 - 121		
Fluorene			20.0	21.8		ug/L		109	70 - 120		
Indeno[1,2,3-cd]pyrene			20.0	23.4		ug/L		117	1 - 151		
Naphthalene			20.0	16.3		ug/L		82	36 - 120		
Phenanthrene			20.0	21.3		ug/L		106	65 - 120		
Pyrene			20.0	22.0		ug/L		110	70 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*109*		*28 - 127*
2-Fluorobiphenyl (Surr)	*99*		*31 - 120*
2-Fluorophenol (Surr)	*82*		*17 - 120*
Nitrobenzene-d5 (Surr)	*85*		*27 - 120*
Phenol-d6 (Surr)	*51*		*10 - 120*
p-Terphenyl-d14 (Surr)	*103*		*45 - 120*

Lab Sample ID: LCSD 570-702398/3-A
Matrix: Water
Analysis Batch: 702938

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 702398

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene			20.0	20.1		ug/L		101	47 - 120	17	20
2-Methylnaphthalene			20.0	20.2		ug/L		101	43 - 120	18	20
Acenaphthene			20.0	20.4		ug/L		102	60 - 132	0	29
Acenaphthylene			20.0	13.9		ug/L		70	54 - 126	4	45
Anthracene			20.0	20.8		ug/L		104	43 - 120	3	40
Benzo[a]anthracene			20.0	21.9		ug/L		110	42 - 133	0	32
Benzo[a]pyrene			20.0	24.2		ug/L		121	32 - 148	1	43
Benzo[b]fluoranthene			20.0	23.4		ug/L		117	42 - 140	0	43
Benzo[g,h,i]perylene			20.0	22.3		ug/L		111	1 - 195	2	61
Benzo[k]fluoranthene			20.0	21.4		ug/L		107	25 - 146	0	38
Chrysene			20.0	21.1		ug/L		106	44 - 140	0	53
Dibenz(a,h)anthracene			20.0	23.5		ug/L		118	1 - 200	6	75
Fluoranthene			20.0	22.4		ug/L		112	43 - 121	2	40
Fluorene			20.0	21.3		ug/L		106	70 - 120	3	23
Indeno[1,2,3-cd]pyrene			20.0	24.4		ug/L		122	1 - 151	4	60
Naphthalene			20.0	20.8		ug/L		104	36 - 120	24	39

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

Lab Sample ID: LCSD 570-702398/3-A
Matrix: Water
Analysis Batch: 702938

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 702398

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phenanthrene			20.0	21.7		ug/L		108	65 - 120	2	24
Pyrene			20.0	21.4		ug/L		107	70 - 120	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*109*		*28 - 127*
2-Fluorobiphenyl (Surr)	*96*		*31 - 120*
2-Fluorophenol (Surr)	*80*		*17 - 120*
Nitrobenzene-d5 (Surr)	*102*		*27 - 120*
Phenol-d6 (Surr)	*49*		*10 - 120*
p-Terphenyl-d14 (Surr)	*98*		*45 - 120*

Lab Sample ID: 380-199926-A-1-A MS
Matrix: Water
Analysis Batch: 702938

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 702398

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.19		19.4	15.6		ug/L		80	36 - 120
2-Methylnaphthalene	<0.19		19.4	15.3		ug/L		79	32 - 124
Acenaphthene	<0.19		19.4	18.2		ug/L		94	47 - 145
Acenaphthylene	<0.19		19.4	12.8		ug/L		66	33 - 145
Anthracene	<0.19		19.4	18.5		ug/L		95	27 - 133
Benzo[a]anthracene	<0.19		19.4	19.8		ug/L		102	33 - 143
Benzo[a]pyrene	<0.19		19.4	21.8		ug/L		112	17 - 163
Benzo[b]fluoranthene	<0.19		19.4	20.6		ug/L		106	24 - 159
Benzo[g,h,i]perylene	<0.19		19.4	19.6		ug/L		101	1 - 219
Benzo[k]fluoranthene	<0.19		19.4	19.7		ug/L		101	11 - 162
Chrysene	<0.19		19.4	18.7		ug/L		96	17 - 168
Dibenz(a,h)anthracene	<0.19		19.4	20.6		ug/L		106	1 - 227
Fluoranthene	<0.19		19.4	19.7		ug/L		101	26 - 137
Fluorene	<0.19		19.4	19.3		ug/L		99	59 - 121
Indeno[1,2,3-cd]pyrene	<0.19		19.4	21.4		ug/L		110	1 - 171
Naphthalene	<0.19		19.4	15.0		ug/L		77	21 - 133
Phenanthrene	<0.19		19.4	19.3		ug/L		99	54 - 120
Pyrene	<0.19		19.4	19.6		ug/L		101	52 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*101*		*28 - 127*
2-Fluorobiphenyl (Surr)	*93*		*31 - 120*
2-Fluorophenol (Surr)	*72*		*17 - 120*
Nitrobenzene-d5 (Surr)	*81*		*27 - 120*
Phenol-d6 (Surr)	*44*		*10 - 120*
p-Terphenyl-d14 (Surr)	*95*		*45 - 120*

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

Lab Sample ID: 380-199926-C-1-A MSD
Matrix: Water
Analysis Batch: 702938

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 702398

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	<0.19		19.6	17.2		ug/L		88	36 - 120	10	30
2-Methylnaphthalene	<0.19		19.6	16.8		ug/L		86	32 - 124	10	30
Acenaphthene	<0.19		19.6	20.6		ug/L		105	47 - 145	12	48
Acenaphthylene	<0.19		19.6	14.5		ug/L		74	33 - 145	13	74
Anthracene	<0.19		19.6	20.7		ug/L		105	27 - 133	11	66
Benzo[a]anthracene	<0.19		19.6	21.9		ug/L		112	33 - 143	10	53
Benzo[a]pyrene	<0.19		19.6	24.1		ug/L		123	17 - 163	10	72
Benzo[b]fluoranthene	<0.19		19.6	22.7		ug/L		116	24 - 159	10	71
Benzo[g,h,i]perylene	<0.19		19.6	21.4		ug/L		109	1 - 219	9	97
Benzo[k]fluoranthene	<0.19		19.6	21.5		ug/L		110	11 - 162	9	63
Chrysene	<0.19		19.6	20.8		ug/L		106	17 - 168	11	87
Dibenz(a,h)anthracene	<0.19		19.6	22.3		ug/L		114	1 - 227	8	126
Fluoranthene	<0.19		19.6	22.0		ug/L		112	26 - 137	11	66
Fluorene	<0.19		19.6	21.8		ug/L		111	59 - 121	12	38
Indeno[1,2,3-cd]pyrene	<0.19		19.6	23.5		ug/L		120	1 - 171	9	99
Naphthalene	<0.19		19.6	16.5		ug/L		84	21 - 133	10	65
Phenanthrene	<0.19		19.6	21.2		ug/L		108	54 - 120	10	39
Pyrene	<0.19		19.6	21.7		ug/L		111	52 - 120	10	49

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*110*		*28 - 127*
2-Fluorobiphenyl (Surr)	*100*		*31 - 120*
2-Fluorophenol (Surr)	*79*		*17 - 120*
Nitrobenzene-d5 (Surr)	*88*		*27 - 120*
Phenol-d6 (Surr)	*50*		*10 - 120*
p-Terphenyl-d14 (Surr)	*100*		*45 - 120*

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

Lab Sample ID: MB 570-705930/5
Matrix: Water
Analysis Batch: 705930

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			03/07/26 13:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*38 - 134*		*03/07/26 13:00*	*1*

Lab Sample ID: LCS 570-705930/3
Matrix: Water
Analysis Batch: 705930

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	421		ug/L		105	78 - 120

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

Lab Sample ID: LCS 570-705930/3
Matrix: Water
Analysis Batch: 705930

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	80		38 - 134

Lab Sample ID: LCSD 570-705930/4
Matrix: Water
Analysis Batch: 705930

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	428		ug/L		107	78 - 120	2	10

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	85		38 - 134

Lab Sample ID: MRL 570-705930/6
Matrix: Water
Analysis Batch: 705930

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	<7.9		ug/L		68	50 - 150		

Surrogate	MRL %Recovery	MRL Qualifier	Limits
4-Bromofluorobenzene (Surr)	84		38 - 134

Lab Sample ID: 380-200889-C-1 MS
Matrix: Water
Analysis Batch: 705930

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	381		ug/L		95	68 - 122		

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	76		38 - 134

Lab Sample ID: 380-200889-C-1 MSD
Matrix: Water
Analysis Batch: 705930

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	369		ug/L		92	68 - 122	3	18

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	86		38 - 134

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

Lab Sample ID: MB 570-702755/1-A
Matrix: Water
Analysis Batch: 706124

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 702755

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<25		25		ug/L		03/01/26 09:19	03/08/26 13:39	1
Motor Oil Range Organics [C24-C36]	<25		25		ug/L		03/01/26 09:19	03/08/26 13:39	1
C8-C18	<25		25		ug/L		03/01/26 09:19	03/08/26 13:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-Octacosane (Surr)	*87*		*60 - 130*	*03/01/26 09:19*	*03/08/26 13:39*	*1*

Lab Sample ID: LCS 570-702755/2-A
Matrix: Water
Analysis Batch: 706124

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 702755

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28			1600	1480		ug/L		93	56 - 127		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Octacosane (Surr)	*94*		*60 - 130*

Lab Sample ID: LCSD 570-702755/3-A
Matrix: Water
Analysis Batch: 706124

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 702755

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28			1600	1530		ug/L		95	56 - 127	3	23

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

Lab Sample ID: MRL 570-702755/4-A
Matrix: Water
Analysis Batch: 706124

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 702755

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28			0.0200	0.0283		mg/L		141	50 - 150		

Surrogate	*MRL %Recovery*	*MRL Qualifier*	*Limits*
n-Octacosane (Surr)	*96*		*60 - 130*

Lab Sample ID: 380-199926-A-1-C MSD
Matrix: Water
Analysis Batch: 706124

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 702755

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28	<26		1650	1520		ug/L		92	70 - 130	7	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
n-Octacosane (Surr)	*91*		*60 - 130*

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

Lab Sample ID: 380-199926-B-1-A MS
Matrix: Water
Analysis Batch: 706124

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 702755

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
C10-C28	<26		1660	1630		ug/L		99	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
n-Octacosane (Surr)	*91*		*60 - 130*

GC/MS Semi VOA

Prep Batch: 211047

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-199921-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	525.2	
MB 380-211047/21-A	Method Blank	Total/NA	Water	525.2	
LCS 380-211047/23-A	Lab Control Sample	Total/NA	Water	525.2	
MRL 380-211047/22-A	Lab Control Sample	Total/NA	Water	525.2	
380-200889-B-1-C MS	Matrix Spike	Total/NA	Water	525.2	
380-200889-C-1-A MSD	Matrix Spike Duplicate	Total/NA	Water	525.2	

Analysis Batch: 211558

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-199921-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	525.2	211047
MB 380-211047/21-A	Method Blank	Total/NA	Water	525.2	211047
LCS 380-211047/23-A	Lab Control Sample	Total/NA	Water	525.2	211047
MRL 380-211047/22-A	Lab Control Sample	Total/NA	Water	525.2	211047
380-200889-B-1-C MS	Matrix Spike	Total/NA	Water	525.2	211047
380-200889-C-1-A MSD	Matrix Spike Duplicate	Total/NA	Water	525.2	211047

Prep Batch: 702398

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-199921-3	MOANALUA WELLS (331-223-TP202)	Total/NA	Water	625.1	
MB 570-702398/1-A	Method Blank	Total/NA	Water	625.1	
LCS 570-702398/2-A	Lab Control Sample	Total/NA	Water	625.1	
LCSD 570-702398/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	
380-199926-A-1-A MS	Matrix Spike	Total/NA	Water	625.1	
380-199926-C-1-A MSD	Matrix Spike Duplicate	Total/NA	Water	625.1	

Analysis Batch: 702938

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-199921-3	MOANALUA WELLS (331-223-TP202)	Total/NA	Water	625.1 SIM	702398
MB 570-702398/1-A	Method Blank	Total/NA	Water	625.1 SIM	702398
LCS 570-702398/2-A	Lab Control Sample	Total/NA	Water	625.1 SIM	702398
LCSD 570-702398/3-A	Lab Control Sample Dup	Total/NA	Water	625.1 SIM	702398
380-199926-A-1-A MS	Matrix Spike	Total/NA	Water	625.1 SIM	702398
380-199926-C-1-A MSD	Matrix Spike Duplicate	Total/NA	Water	625.1 SIM	702398

Analysis Batch: 702941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-199921-3	MOANALUA WELLS (331-223-TP202)	Total/NA	Water	625.1	702398
MB 570-702398/1-A	Method Blank	Total/NA	Water	625.1	702398

GC VOA

Analysis Batch: 705930

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-199921-2	TB:MOANALUA WELLS (331-223-TP202)	Total/NA	Water	8015B GRO LL	
380-199921-3	MOANALUA WELLS (331-223-TP202)	Total/NA	Water	8015B GRO LL	
MB 570-705930/5	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-705930/3	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-705930/4	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-705930/6	Lab Control Sample	Total/NA	Water	8015B GRO LL	
380-200889-C-1 MS	Matrix Spike	Total/NA	Water	8015B GRO LL	
380-200889-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B GRO LL	

QC Association Summary

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

Job ID: 380-199921-1
SDG: Weekly: Moanalua Wells

GC Semi VOA

Prep Batch: 702755

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-199921-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	3510C	
MB 570-702755/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-702755/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-702755/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MRL 570-702755/4-A	Lab Control Sample	Total/NA	Water	3510C	
380-199926-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	
380-199926-B-1-A MS	Matrix Spike	Total/NA	Water	3510C	

Analysis Batch: 706124

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-199921-1	MOANALUA WELLS (331-223-TP202)	Total/NA	Drinking Water	8015B	702755
MB 570-702755/1-A	Method Blank	Total/NA	Water	8015B	702755
LCS 570-702755/2-A	Lab Control Sample	Total/NA	Water	8015B	702755
LCSD 570-702755/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	702755
MRL 570-702755/4-A	Lab Control Sample	Total/NA	Water	8015B	702755
380-199926-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	8015B	702755
380-199926-B-1-A MS	Matrix Spike	Total/NA	Water	8015B	702755

Lab Chronicle

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

Job ID: 380-199921-1
SDG: Weekly: Moanalua Wells

Client Sample ID: MOANALUA WELLS (331-223-TP202)

Lab Sample ID: 380-199921-1
Matrix: Drinking Water
Date Collected: 02/23/26 10:14
Date Received: 02/25/26 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			211047	IQ42	EA POM	03/05/26 14:12
Total/NA	Analysis	525.2		1	211558	Q8LA	EA POM	03/08/26 11:40
Total/NA	Prep	3510C			702755	TVD6	EET CAL 4	03/01/26 09:19
Total/NA	Analysis	8015B		1	706124	H6FE	EET CAL 4	03/08/26 18:22

Client Sample ID: TB:MOANALUA WELLS (331-223-TP202)

Lab Sample ID: 380-199921-2
Matrix: Water
Date Collected: 02/23/26 10:14
Date Received: 02/25/26 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015B GRO LL		1	705930	YD9V	EET CAL 4	03/07/26 21:10

Client Sample ID: MOANALUA WELLS (331-223-TP202)

Lab Sample ID: 380-199921-3
Matrix: Water
Date Collected: 02/23/26 10:14
Date Received: 02/26/26 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	625.1			702398	S4EA	EET CAL 4	02/27/26 17:45
Total/NA	Analysis	625.1		1	702941	PQS1	EET CAL 4	03/02/26 15:07
Total/NA	Prep	625.1			702398	S4EA	EET CAL 4	02/27/26 17:45
Total/NA	Analysis	625.1 SIM		1	702938	PQS1	EET CAL 4	03/02/26 13:16
Total/NA	Analysis	8015B GRO LL		1	705930	YD9V	EET CAL 4	03/07/26 17:07

Laboratory References:

EA POM = Eurofins Pomona, 941 Corporate Center Drive, Pomona, CA 91768-2642, TEL (626)386-1100
EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Accreditation/Certification Summary

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

Job ID: 380-199921-1
SDG: Weekly: Moanalua Wells

Laboratory: Eurofins Pomona

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

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

The following analytes are included in this report, but the laboratory is not certified by 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
A2LA	ISO/IEC 17025	7296.01	11-30-26
Alaska (UST)	State	25-005	03-02-27
Arizona	State	AZ0830	11-17-26
California	Los Angeles County Sanitation Districts	9257304	07-31-26
California	SCAQMD LAP	17LA0919	11-30-26

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

Accreditation/Certification Summary

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

Job ID: 380-199921-1
SDG: Weekly: Moanalua Wells

Laboratory: Eurofins Calscience (Continued)

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

Authority	Program	Identification Number	Expiration Date
California	State	3082	07-31-26
Kansas	NELAP	E-10420	07-31-26
Nevada	State	CA00111	07-31-26
Oregon	NELAP	4175	02-02-27
USDA	US Federal Programs	525-23-159-97150	06-08-26
Utah	NELAP	CA00111	03-01-27
Washington	State	C916	10-12-26

Method Summary

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

Job ID: 380-199921-1
SDG: Weekly: Moanalua Wells

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

Protocol References:

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

Laboratory References:

EA POM = Eurofins Pomona, 941 Corporate Center Drive, Pomona, CA 91768-2642, TEL (626)386-1100
EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Sample Summary

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

Job ID: 380-199921-1
SDG: Weekly: Moanalua Wells

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	PWSID Number
380-199921-1	MOANALUA WELLS (331-223-TP202)	Drinking Water	02/23/26 10:14	02/25/26 09:40	HI0000331
380-199921-2	TB:MOANALUA WELLS (331-223-TP202)	Water	02/23/26 10:14	02/25/26 09:40	
380-199921-3	MOANALUA WELLS (331-223-TP202)	Water	02/23/26 10:14	02/26/26 09:50	

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: bailey	Lab PM: Lopez, Maria	Carrier Tracking No(s):	COC No:
Client Contact: Kirk Iwamoto	Phone: +1 808 748 5840	E-Mail: Maria.Lopez@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: City & County of Honolulu	PWSID:	**Analysis Requested**		Job #:
Address: 630 South Beretania Street Chemistry Lab	Due Date Requested:			Preservation Codes: R - NaThioSO4; RA - NaThio/HCl; Q - Na2SO3; QA - Na2SO3/HCl; Y - Trizma; I - NH4 Acetate
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			Other:
Site: Hawaii	SSOW#:			

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)	525.1, 525.1_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:		X	X	R	RA	Q	QA	Y	I	X	
Moanalua Wells	23-Feb-2026	1014	G	Water			2	3	2	1				pump 1
Moanalua Wells (Matrix Spike)				Water										
Moanalua Wells (Matrix Spike Duplicate)				Water										
TB: Moanalua Wells	23-Feb-2026	1014		Water				2						

380-199921 COC

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment: FedX: 889039555007		
[redacted]	Date/Time: 24 Feb 2026 1400	Company: HBWS	Received by: Nak Urrutia	Date/Time: 2/25/26 940	Company: EEA
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: (631A) 1.5+0.2=1.7 gel-frozen		

Ver: 04/02/2024

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

SHIP DATE. 24FEB26
ACTWGT 62.00 LB
CAD· 258050552/INET4535

BILL RECIPIENT

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

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

58KJ5/6067/484B

FedEx Express

E

J261026012001uv

WED - 25 FEB 10:30A
PRIORITY OVERNIGHT

7 of 7
MPS# 0263 8890 3955 5062
Mstr# 8890 3955 5007

0201

91768
CA-US ONT

WM ONTA

(631A) 4.6-10.2-4.8 gel-frozen
Mark Urrutia 2/26/26 950

380-199921 COC

After printing this label
CONSIGNEE COPY - PLEASE PLACE IN FRONT OF POUCH
1 Fold the printed page along the horizontal line
2 Place label in shipping pouch and affix it to your shipment

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

Chain of Custody Record

eurofins

Loc: 380
199921

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Lopez, Maria	Carrier Tracking No(s): N/A	COC No: 380-308456.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Maria.Lopez@et.eurofinsus.com	State of Origin: Hawaii	Page: Page 1 of 1
Company: Eurofins Environment Testing Southwest L		Accreditations Required (See note): State - Hawaii		Job #: 380-199921-1
Address: 2841 Dow Avenue, Suite 100,	Due Date Requested: 3/10/2026			
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			

Analysis Requested

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	8015B_GRO_LL/5030C(MOD) GRO	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X			X	
MOANALUA WELLS (331-223-TP202) (380-199921-1)	2/23/26	10:14 Hawaiian	G	Water			X		2	MRLs are needed. Confirm any hits >RL.
TB:MOANALUA WELLS (331-223-TP202) (380-199921-2)	2/23/26	10:14 Hawaiian	G	Water				X	2	MRLs are needed. Confirm any hits >RL.

380-199921 Chain of Custody

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

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

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Mark Urrutia	2/25/26 1600	EEAP	— LT	2-25-26 1852	UP
2	— LT	2-25-26 1704	WP		2/25/26 1704	EEC
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.6/1.7 IR-5

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

Chain of Custody Record

eurofins

Loc: 380
199921

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Lopez, Maria	Carrier Tracking No(s): N/A	COC No: 380-308823.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Maria.Lopez@et.eurofinsus.com	State of Origin: Hawaii	Page: Page 1 of 1
Company: Eurofins Environment Testing Southwest L		Accreditations Required (See note): State - Hawaii		Job #: 380-199921-1
Address: 2841 Dow Avenue, Suite 100,	Due Date Requested: 3/10/2026			Preservation Codes: -
City: Tustin	TAT Requested (days): N/A			
State, Zip: CA, 92780				
Phone: 714-895-5494(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: RED-HILL	Project #: 38001111			
Site: Honolulu BWS Sites	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Wwater, Ssolid, Owaste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015B_GRO_LL/5030C(MOD) GRO	625.1_SIM/625_Prep(MOD) Extended PAH List	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
MOANALUA WELLS (331-223-TP202) (380-199921-3)	2/23/26	10:14 Hawaiian	G	Water			X	X	5	MRLs are needed., MRLs are needed. Confirm any hits >RL.

380-199921 Chain of Custody

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

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

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Mark Uratia	2/26/26 1500	EAP		2-26-26 1500	Way
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	2/26/26 1632	Way			
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:
		1.8/1.6 IR-4

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

Chain of Custody Record

eurofins | Loc: 380 199921

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Lopez, Maria	Carrier Tracking No(s): N/A	COC No: 380-308823.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Maria.Lopez@et.eurofinsus.com	State of Origin: Hawaii	Page: Page 1 of 1
Company: Eurofins Environment Testing Southwest L		Accreditations Required (See note): State - Hawaii		Job #: 380-199921-1
Address: 2841 Dow Avenue, Suite 100,	Due Date Requested: 3/10/2026			
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			

Analysis Requested

Preservation Codes:

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Wwwater, Ssolid, Owaste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015B_GRO_LL/5030C(MOD) GRO	625.1_SIM/625_Prep(MOD) Extended PAH List	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
MOANALUA WELLS (331-223-TP202) (380-199921-3)	2/23/26	10:14 Hawaiian	G	Water			X	X	5	MRLs are needed., MRLs are needed. Confirm any hits >RL.

380-199921 Chain of Custody

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

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

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Mark Urratia	2/26/26 1500	CEAP		2-26-26 1500	DOW
2		2/26/26 1632	DOW		2/26/26 1632	EC
3		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:
		1.8/1.6 IR-4

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-199921-1
SDG Number: Weekly: Moanalua Wells

Login Number: 199921
List Number: 1
Creator: Segura, Ryan

List Source: Eurofins Pomona

Question	Answer	Comment
The coolers custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
Samples were received on ice.	True	
Cooler(s) Temperature is acceptable.	True	
Cooler(s) Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and is legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	False	
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: 380-199921-1
SDG Number: Weekly: Moanalua Wells

Login Number: 199921
List Number: 2
Creator: Khana, Piyush

List Source: Eurofins Calscience
List Creation: 02/26/26 11:24 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.7
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	fgf5
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-199921-1
SDG Number: Weekly: Moanalua Wells

Login Number: 199921
List Number: 3
Creator: Khana, Piyush

List Source: Eurofins Calscience
List Creation: 02/26/26 06:12 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.6
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	