

ANALYTICAL REPORT

PREPARED FOR

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JOB DESCRIPTION

RED-HILL
Weekly: Ka'amilo Wells Pump 1

JOB NUMBER

380-199917-1

Eurofins Pomona

Job Notes

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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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Definitions/Glossary

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

Job ID: 380-199917-1
SDG: Weekly: Ka'amilo Wells Pump 1

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

Case Narrative

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

Job ID: 380-199917-1

Job ID: 380-199917-1

Eurofins Pomona

Job Narrative 380-199917-1

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 temperatures of the 2 coolers at receipt time were 1.7°C and 4.6°C.

Receipt Exceptions

The following sample(s) was listed on the Chain of Custody (COC); however, no sample(s) was received: Bottles for 625 were not received on 06/25/26 but later received on 2/26/26 and within temperature requirements. (XWB4)

GC/MS Semi VOA

Method 625.1, 625.1 SIM: Surrogate recovery for the following sample was outside acceptance limits, low biased for: Ka'amilo Wells Pump 1 (380-199917-3). Due to this low biased QC failure the data for both the 625.1 and 625.1 SIM analysis for Ka'amilo Wells Pump 1 was excluded. The sample is collected weekly thus follow up sample was collected on 03/02/26 under job # 380-201170-1. Analysis for 625.1 and 625.1 SIM is currently in progress. (XWB4)

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

Gasoline Range Organics

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

Diesel Range Organics

Method 8015B: The following sample(s) was received with less than 2 days remaining on the holding time or less than one shift (8 hours) remaining on a test with a holding time of 48 hours or less. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: Ka'amilo Wells Pump 1 (380-199917-1). Due to this issue with the holding time not met, analysis for 8015B_DRO was excluded. The sample is collected weekly thus follow up sample was collected on 03/02/26 under job # 380-201170-1. Analysis for 8015B_DRO is currently in progress. (XWB4)

Method 8015B: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 570-704786 and analytical batch 570-706200 recovered outside control limits for the following analytes: C10-C28.

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

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Detection Summary

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

Job ID: 380-199917-1
SDG: Weekly: Ka'amilo Wells Pump 1

Client Sample ID: Ka'amilo Wells Pump 1

Lab Sample ID: 380-199917-1

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin	0.070		0.0099	ug/L	1		525.2	Total/NA
Heptachlor epoxide (isomer B)	0.014		0.0099	ug/L	1		525.2	Total/NA

Client Sample ID: TB: Ka'amilo Wells Pump 1

Lab Sample ID: 380-199917-2

No Detections.

This Detection Summary does not include radiochemical test results.

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Client Sample Results

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

Job ID: 380-199917-1
SDG: Weekly: Ka'amilo Wells Pump 1

Client Sample ID: Ka'amilo Wells Pump 1

Lab Sample ID: 380-199917-1

Date Collected: 02/23/26 12:31

Matrix: Water

Date Received: 02/25/26 09:40

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 11:20	1
2,4'-DDD	<0.099		0.099	ug/L		03/05/26 14:12	03/08/26 11:20	1
2,4'-DDE	<0.099		0.099	ug/L		03/05/26 14:12	03/08/26 11:20	1
2,4'-DDT	<0.099		0.099	ug/L		03/05/26 14:12	03/08/26 11:20	1
2,4-Dinitrotoluene	<0.099		0.099	ug/L		03/05/26 14:12	03/08/26 11:20	1
2,6-Dinitrotoluene	<0.099		0.099	ug/L		03/05/26 14:12	03/08/26 11:20	1
2-Methylnaphthalene	<0.099		0.099	ug/L		03/05/26 14:12	03/08/26 11:20	1
4,4'-DDD	<0.099		0.099	ug/L		03/05/26 14:12	03/08/26 11:20	1
4,4'-DDE	<0.099		0.099	ug/L		03/05/26 14:12	03/08/26 11:20	1
4,4'-DDT	<0.099		0.099	ug/L		03/05/26 14:12	03/08/26 11:20	1
Acenaphthene	<0.099		0.099	ug/L		03/05/26 14:12	03/08/26 11:20	1
Acenaphthylene	<0.099		0.099	ug/L		03/05/26 14:12	03/08/26 11:20	1
Acetochlor	<0.099		0.099	ug/L		03/05/26 14:12	03/08/26 11:20	1
Alachlor	<0.050		0.050	ug/L		03/05/26 14:12	03/08/26 11:20	1
alpha-BHC	<0.099		0.099	ug/L		03/05/26 14:12	03/08/26 11:20	1
alpha-Chlordane	<0.050		0.050	ug/L		03/05/26 14:12	03/08/26 11:20	1
Anthracene	<0.020		0.020	ug/L		03/05/26 14:12	03/08/26 11:20	1
Atrazine	<0.050		0.050	ug/L		03/05/26 14:12	03/08/26 11:20	1
Benz(a)anthracene	<0.050		0.050	ug/L		03/05/26 14:12	03/08/26 11:20	1
Benzo[a]pyrene	<0.020		0.020	ug/L		03/05/26 14:12	03/08/26 11:20	1
Benzo[b]fluoranthene	<0.020		0.020	ug/L		03/05/26 14:12	03/08/26 11:20	1
Benzo[g,h,i]perylene	<0.050		0.050	ug/L		03/05/26 14:12	03/08/26 11:20	1
Benzo[k]fluoranthene	<0.020		0.020	ug/L		03/05/26 14:12	03/08/26 11:20	1
beta-BHC	<0.099		0.099	ug/L		03/05/26 14:12	03/08/26 11:20	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59	ug/L		03/05/26 14:12	03/08/26 11:20	1
Bromacil	<0.099		0.099	ug/L		03/05/26 14:12	03/08/26 11:20	1
Butachlor	<0.050		0.050	ug/L		03/05/26 14:12	03/08/26 11:20	1
Butylbenzylphthalate	<0.50		0.50	ug/L		03/05/26 14:12	03/08/26 11:20	1
Chlorobenzilate	<0.099		0.099	ug/L		03/05/26 14:12	03/08/26 11:20	1
Chloroneb	<0.099		0.099	ug/L		03/05/26 14:12	03/08/26 11:20	1
Chlorothalonil (Draconil, Bravo)	<0.099		0.099	ug/L		03/05/26 14:12	03/08/26 11:20	1
Chlorpyrifos	<0.050		0.050	ug/L		03/05/26 14:12	03/08/26 11:20	1
Chrysene	<0.020		0.020	ug/L		03/05/26 14:12	03/08/26 11:20	1
delta-BHC	<0.099		0.099	ug/L		03/05/26 14:12	03/08/26 11:20	1
Di(2-ethylhexyl)adipate	<0.59		0.59	ug/L		03/05/26 14:12	03/08/26 11:20	1
Dibenz(a,h)anthracene	<0.050		0.050	ug/L		03/05/26 14:12	03/08/26 11:20	1
Diclorvos (DDVP)	<0.050		0.050	ug/L		03/05/26 14:12	03/08/26 11:20	1
Dieldrin	0.070		0.0099	ug/L		03/05/26 14:12	03/08/26 11:20	1
Diethylphthalate	<0.50		0.50	ug/L		03/05/26 14:12	03/08/26 11:20	1
Dimethylphthalate	<0.50		0.50	ug/L		03/05/26 14:12	03/08/26 11:20	1
Di-n-butyl phthalate	<0.99		0.99	ug/L		03/05/26 14:12	03/08/26 11:20	1
Di-n-octyl phthalate	<0.099		0.099	ug/L		03/05/26 14:12	03/08/26 11:20	1
Endosulfan I (Alpha)	<0.099		0.099	ug/L		03/05/26 14:12	03/08/26 11:20	1
Endosulfan II (Beta)	<0.099		0.099	ug/L		03/05/26 14:12	03/08/26 11:20	1
Endosulfan sulfate	<0.099		0.099	ug/L		03/05/26 14:12	03/08/26 11:20	1
Endrin	<0.0099		0.0099	ug/L		03/05/26 14:12	03/08/26 11:20	1
Endrin aldehyde	<0.099		0.099	ug/L		03/05/26 14:12	03/08/26 11:20	1
EPTC	<0.099		0.099	ug/L		03/05/26 14:12	03/08/26 11:20	1
Fluoranthene	<0.099		0.099	ug/L		03/05/26 14:12	03/08/26 11:20	1

Client Sample Results

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

Job ID: 380-199917-1
SDG: Weekly: Ka'amilo Wells Pump 1

Client Sample ID: Ka'amilo Wells Pump 1

Lab Sample ID: 380-199917-1

Date Collected: 02/23/26 12:31

Matrix: Water

Date Received: 02/25/26 09:40

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.050		0.050	ug/L		03/05/26 14:12	03/08/26 11:20	1
gamma-Chlordane	<0.050		0.050	ug/L		03/05/26 14:12	03/08/26 11:20	1
Heptachlor	<0.0099		0.0099	ug/L		03/05/26 14:12	03/08/26 11:20	1
Heptachlor epoxide (isomer B)	0.014		0.0099	ug/L		03/05/26 14:12	03/08/26 11:20	1
Hexachlorobenzene	<0.050		0.050	ug/L		03/05/26 14:12	03/08/26 11:20	1
Hexachlorocyclopentadiene	<0.050		0.050	ug/L		03/05/26 14:12	03/08/26 11:20	1
Indeno[1,2,3-cd]pyrene	<0.050		0.050	ug/L		03/05/26 14:12	03/08/26 11:20	1
Isophorone	<0.099		0.099	ug/L		03/05/26 14:12	03/08/26 11:20	1
Lindane	<0.0099		0.0099	ug/L		03/05/26 14:12	03/08/26 11:20	1
Malathion	<0.099		0.099	ug/L		03/05/26 14:12	03/08/26 11:20	1
Methoxychlor	<0.050		0.050	ug/L		03/05/26 14:12	03/08/26 11:20	1
Metolachlor	<0.050		0.050	ug/L		03/05/26 14:12	03/08/26 11:20	1
Molinate	<0.099		0.099	ug/L		03/05/26 14:12	03/08/26 11:20	1
Naphthalene	<0.099		0.099	ug/L		03/05/26 14:12	03/08/26 11:20	1
Parathion	<0.099		0.099	ug/L		03/05/26 14:12	03/08/26 11:20	1
Pendimethalin (Penoxaline)	<0.099		0.099	ug/L		03/05/26 14:12	03/08/26 11:20	1
Phenanthrene	<0.040		0.040	ug/L		03/05/26 14:12	03/08/26 11:20	1
Propachlor	<0.050		0.050	ug/L		03/05/26 14:12	03/08/26 11:20	1
Pyrene	<0.050		0.050	ug/L		03/05/26 14:12	03/08/26 11:20	1
Simazine	<0.050		0.050	ug/L		03/05/26 14:12	03/08/26 11:20	1
Terbacil	<0.099		0.099	ug/L		03/05/26 14:12	03/08/26 11:20	1
Terbutylazine	<0.099		0.099	ug/L		03/05/26 14:12	03/08/26 11:20	1
Thiobencarb	<0.099		0.099	ug/L		03/05/26 14:12	03/08/26 11:20	1
Total Permethrin (mixed isomers)	<0.20		0.20	ug/L		03/05/26 14:12	03/08/26 11:20	1
trans-Nonachlor	<0.050		0.050	ug/L		03/05/26 14:12	03/08/26 11:20	1
Trifluralin	<0.099		0.099	ug/L		03/05/26 14:12	03/08/26 11:20	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 11:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	97		70 - 130	03/05/26 14:12	03/08/26 11:20	1
Perylene-d12	91		70 - 130	03/05/26 14:12	03/08/26 11:20	1
Triphenylphosphate	104		70 - 130	03/05/26 14:12	03/08/26 11:20	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 16:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		38 - 134		03/07/26 16:44	1

Client Sample ID: TB: Ka'amilo Wells Pump 1

Lab Sample ID: 380-199917-2

Date Collected: 02/23/26 12:31

Matrix: Water

Date Received: 02/25/26 09:40

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 20:47	1

Client Sample Results

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

Job ID: 380-199917-1
SDG: Weekly: Ka'amilo Wells Pump 1

Client Sample ID: TB: Ka'amilo Wells Pump 1

Lab Sample ID: 380-199917-2

Date Collected: 02/23/26 12:31

Matrix: Water

Date Received: 02/25/26 09:40

<u>Surrogate</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
4-Bromofluorobenzene (Surr)	86		38 - 134		03/07/26 20:47	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Action Limit Summary

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

Job ID: 380-199917-1
 SDG: Weekly: Ka'amilo Wells Pump 1

Client Sample ID: Ka'amilo Wells Pump 1

Lab Sample ID: 380-199917-1

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	RL	Method	Prep Type
				Limit			
Alachlor	<0.050		ug/L	2	0.050	525.2	Total/NA
Atrazine	<0.050		ug/L	3	0.050	525.2	Total/NA
Benzo[a]pyrene	<0.020		ug/L	0.2	0.020	525.2	Total/NA
Bis(2-ethylhexyl) phthalate	<0.59		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)	0.014		ug/L	0.2	0.0099	525.2	Total/NA
Hexachlorobenzene	<0.050		ug/L	1	0.050	525.2	Total/NA
Hexachlorocyclopentadiene	<0.050		ug/L	50	0.050	525.2	Total/NA
Lindane	<0.0099		ug/L	0.2	0.0099	525.2	Total/NA
Methoxychlor	<0.050		ug/L	40	0.050	525.2	Total/NA
Simazine	<0.050		ug/L	4	0.050	525.2	Total/NA

Surrogate Summary

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

Job ID: 380-199917-1
 SDG: Weekly: Ka'amilo Wells Pump 1

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		2NMX (70-130)	PRY (70-130)	TPP (70-130)
380-199917-1	Ka'amilo Wells Pump 1	97	91	104
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: 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)
380-199917-1	Ka'amilo Wells Pump 1	89
380-199917-2	TB: Ka'amilo Wells Pump 1	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)

QC Sample Results

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

Job ID: 380-199917-1
SDG: Weekly: Ka'amilo Wells Pump 1

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

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QC Sample Results

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

Job ID: 380-199917-1
SDG: Weekly: Ka'amilo Wells Pump 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
Terbutylazine	<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-Octadecenamamide, (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-Docosenamamide, (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	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

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QC Sample Results

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

Job ID: 380-199917-1
SDG: Weekly: Ka'amilo Wells Pump 1

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

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QC Sample Results

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

Job ID: 380-199917-1
SDG: Weekly: Ka'amilo Wells Pump 1

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
Terbutylazine	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

QC Sample Results

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

Job ID: 380-199917-1
SDG: Weekly: Ka'amilo Wells Pump 1

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

Eurofins Pomona

QC Sample Results

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

Job ID: 380-199917-1
SDG: Weekly: Ka'amilo Wells Pump 1

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
Terbutylazine	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

QC Sample Results

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

Job ID: 380-199917-1
SDG: Weekly: Ka'amilo Wells Pump 1

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	F2 F1	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	F2 F1	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
Terbutylazine	<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

QC Sample Results

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

Job ID: 380-199917-1
SDG: Weekly: Ka'amilo Wells Pump 1

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		RPD	Limit
									Limits	RPD		
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	F2 F1	1.95	1.33	F2 F1	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	

QC Sample Results

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

Job ID: 380-199917-1
SDG: Weekly: Ka'amilo Wells Pump 1

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

Lab Sample ID: 380-200889-C-1-A MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 211558

Prep Batch: 211047

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec		RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD		
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	F2 F1	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	
Terbutylazine	<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	MSD	Limits
	%Recovery	Qualifier	
2-Nitro-m-xylene	99		70 - 130
Perylene-d12	78		70 - 130
Triphenylphosphate	107		70 - 130

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

Lab Sample ID: MB 570-705930/5

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 705930

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
GRO (C6-C10)	<10		10	ug/L			03/07/26 13:00	1

Eurofins Pomona

QC Sample Results

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

Job ID: 380-199917-1
SDG: Weekly: Ka'amilo Wells Pump 1

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

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

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

QC Sample Results

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

Job ID: 380-199917-1
 SDG: Weekly: Ka'amilo Wells Pump 1

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

Lab Sample ID: 380-200889-C-1 MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 705930

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		<i>MSD</i> %Recovery	<i>MSD</i> Qualifier								Limits
4-Bromofluorobenzene (Surr)		86									38 - 134

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QC Association Summary

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

Job ID: 380-199917-1
SDG: Weekly: Ka'amilo Wells Pump 1

GC/MS Semi VOA

Prep Batch: 211047

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-199917-1	Ka'amilo Wells Pump 1	Total/NA	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
380-199917-1	Ka'amilo Wells Pump 1	Total/NA	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

GC VOA

Analysis Batch: 705930

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-199917-1	Ka'amilo Wells Pump 1	Total/NA	Water	8015B GRO LL	
380-199917-2	TB: Ka'amilo Wells Pump 1	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	

Lab Chronicle

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

Job ID: 380-199917-1
 SDG: Weekly: Ka'amilo Wells Pump 1

Client Sample ID: Ka'amilo Wells Pump 1

Lab Sample ID: 380-199917-1

Date Collected: 02/23/26 12:31

Matrix: Water

Date Received: 02/25/26 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch 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 11:20
Total/NA	Analysis	8015B GRO LL		1	705930	YD9V	EET CAL 4	03/07/26 16:44

Client Sample ID: TB: Ka'amilo Wells Pump 1

Lab Sample ID: 380-199917-2

Date Collected: 02/23/26 12:31

Matrix: Water

Date Received: 02/25/26 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015B GRO LL		1	705930	YD9V	EET CAL 4	03/07/26 20:47

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: 380-199917-1
SDG: Weekly: Ka'amilo Wells Pump 1

Laboratory: Eurofins Pomona

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

Authority	Program	Identification Number	Expiration Date
Hawaii	State	CA00006	01-31-26 *
<p>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.</p>			
Analysis Method	Prep Method	Matrix	Analyte
525.2	525.2	Water	1-Methylnaphthalene
525.2	525.2	Water	2,4'-DDD
525.2	525.2	Water	2,4'-DDE
525.2	525.2	Water	2,4'-DDT
525.2	525.2	Water	2,4-Dinitrotoluene
525.2	525.2	Water	2,6-Dinitrotoluene
525.2	525.2	Water	2-Methylnaphthalene
525.2	525.2	Water	4,4'-DDD
525.2	525.2	Water	4,4'-DDE
525.2	525.2	Water	4,4' DDT
525.2	525.2	Water	Acetochlor
525.2	525.2	Water	alpha-BHC
525.2	525.2	Water	alpha-Chlordane
525.2	525.2	Water	beta-BHC
525.2	525.2	Water	Chlorobenzilate
525.2	525.2	Water	Chloroneb
525.2	525.2	Water	Chlorothalonil (Draconil, Bravo)
525.2	525.2	Water	Chlorpyrifos
525.2	525.2	Water	delta-BHC
525.2	525.2	Water	Diclorvos (DDVP)
525.2	525.2	Water	Endosulfan I (Alpha)
525.2	525.2	Water	Endosulfan II (Beta)
525.2	525.2	Water	Endosulfan sulfate
525.2	525.2	Water	Endrin aldehyde
525.2	525.2	Water	EPTC
525.2	525.2	Water	gamma-Chlordane
525.2	525.2	Water	Isophorone
525.2	525.2	Water	Malathion
525.2	525.2	Water	Parathion
525.2	525.2	Water	Pendimethalin (Penoxaline)
525.2	525.2	Water	Terbacil
525.2	525.2	Water	Terbutylazine
525.2	525.2	Water	Total Permethrin (mixed isomers)
525.2	525.2	Water	trans-Nonachlor

Laboratory: Eurofins Calscience

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

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	7296.01	11-30-26
A2LA	ISO/IEC 17025	7296.01	11-30-26
Alaska (UST)	State	25-005	03-02-27
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: 380-199917-1
SDG: Weekly: Ka'amilo Wells Pump 1

Laboratory: Eurofins Calscience (Continued)

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

Authority	Program	Identification Number	Expiration Date
California	State	3082	07-31-26
Kansas	NELAP	E-10420	07-31-26
Nevada	State	CA00111	07-31-26
Oregon	NELAP	4175	03-09-26
USDA	US Federal Programs	525-23-159-97150	06-08-26
Utah	NELAP	CA00111	03-01-27
Washington	State	C916	10-12-26

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Method Summary

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

Job ID: 380-199917-1
SDG: Weekly: Ka'amilo Wells Pump 1

Method	Method Description	Protocol	Laboratory
525.2	Semivolatile Organic Compounds (GC/MS)	EPA	EA POM
8015B GRO LL	Gasoline Range Organics - (GC)	SW846	EET CAL 4
5030C	Purge and Trap	SW846	EET CAL 4
525.2	Extraction of Semivolatile Compounds	EPA	EA POM

Protocol References:

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

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Sample Summary

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

Job ID: 380-199917-1
SDG: Weekly: Ka'amilo Wells Pump 1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
380-199917-1	Ka'amilo Wells Pump 1	Water	02/23/26 12:31	02/25/26 09:40	Hawaii
380-199917-2	TB: Ka'amilo Wells Pump 1	Water	02/23/26 12:31	02/25/26 09:40	Hawaii

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Chain of Custody Record

Sampler bailey		Lab PM: Lopez, Maria		Carrier Tracking No(s):		COC No:	
Client Contact: Mr Kirk Iwamoto		Phone: +1 808 748 5840		State of Origin:		Page:	
Company: City & County of Honolulu		PWSID:		Job #:		Job #:	
Address: 630 South Beretania Street Chemistry Lab		City: Honolulu		State: HI, 96843		Phone: 808-748-5840 (Tel)	
PO #: C20525101 exp 05312023		WO #:		Project #: 38001111		SSOW#:	
Project Name: RED-HILL/HBWS Sites		Event Desc: RUSH Weekly Red Hill		Site: Hawaii		Matrix (Water, Soil, Sediment, Other)	
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)	
Ka'amilo Wells Pump 1		23-Feb-2026		1231		G	
Ka'amilo Wells Pump 1 (Matrix Spike)						Water	
Ka'amilo Wells Pump 1 (Matrix Spike Duplicate)						Water	
TB: Ka'amilo Wells Pump 1						Water	
Possible Hazard Identification		<input type="checkbox"/> Non-Hazard		<input type="checkbox"/> Flammable		<input type="checkbox"/> Skin Irritant	
Deliverable Requested: I, II, III, IV, Other (specify)		<input type="checkbox"/> Poison B		<input type="checkbox"/> Unknown		<input type="checkbox"/> Radiological	
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:	
		24 Feb 2026		1400		FedEx	
Relinquished by:		Date/Time:		Company:		Received by:	
		2/25/26 9:10		HBWS		Maria Lopez	
Custody Seals Intact: Δ Yes Δ No		Custody Seal No.:		Company:		Received by:	
Δ Yes Δ No		631A 1.5+0.2-1.7 961-970361		Company		Company	



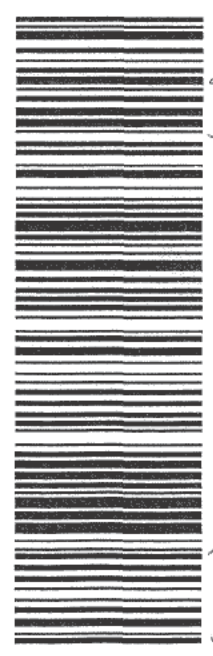
ORIGIN ID:HIKA (808) 748-5840
BWS CHEMLAB
HONOLULU BOARD OF WATER SUPPLY
630 S. BERETANIA ST
CHEMICAL LABORATORY
HONOLULU HI 96843
UNITED STATES US

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

POMONA CA 91768
(625) 386-1100 REF.
INV. PO. DEPT



3 of 7 **WED - 25 FEB 10:30A**
PRIORITY OVERNIGHT
MPS# **8890 3955 5029** [0263]
Mst# 8890 3955 5007
WM ONTA **91768**
CA-US ONT



(631A) 2-6 + 0.2 - 2.8 961-470768
Markkatoron 2/25/26 940

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

58KJ5/60677484B

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

SHIP DATE: 24FEB26
ACTWGT: 62.00 LB
CAD: 258056552/INET4535

BILL RECIPIENT

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

69KJ5/60677/494B

POMONA CA 91768

REF (626) 386-1100

INV# PC: DEPT



261020012001uv

7 of 7
WED - 25 FEB 10:30A
PRIORITY OVERNIGHT

MPS# **8890 3955 5062**

0263 Mstr# 8890 3955 5007

0201

91768

WM ONTA

CA-US ONT



(631A) 4-6-02-48 901-frozen
Muffin Markuration 2/26/26 950



380-199917 COC

After printing this label
1 Fold the printed page along the horizontal line
2 Place label in shipping pouch and affix it to your shipment

CONSIGNEE COPY - PLEASE PLACE IN FRONT OF POUCH

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Chain of Custody Record



Client Information (Sub Contract Lab)		Sampler: N/A	Lab PM: Lopez, Maria	Carrier Tracking No(s): N/A	COC No: 380-308623.1	
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 #: 380-199917-1	
Address: 2841 Dow Avenue, Suite 100, City: Tustin State, Zip: CA, 92780		Due Date Requested: 3/10/2028	Analysis Requested			Preservation Codes: -
Phone: 714-895-5494(Tel)		TAT Requested (days): N/A				
Email: N/A		PO #: N/A				
Project Name: RED-HILL		WO #: N/A				
Site: Honolulu BWS Sites		Project #: 38001111	Other: N/A			
SSOW: N/A		Total Number of Containers			Special Instructions/Note:	
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=comp, G=grab)		Matrix (W=water, S=solid, O=wastewater, BT=tissue, AM=air)
Ka'amilo Wells Pump 1 (380-199917-3)		2/23/26	12:31 Hawaiian	G	Water	MRLs are needed. Confirm any hits >RL.
Preservation Code:						



380-199917 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		<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> 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: <i>Mark V. ...</i>	Date/Time: 2/26/26 1500	Company: <i>EEAP</i>	Received by: <i>[Signature]</i>	Date/Time: 2-26-26 1500	Company: <i>Way</i>
Relinquished by: <i>[Signature]</i>	Date/Time: 2-26-26 1632	Company: <i>Way</i>	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: 1-8 1-6 IR-4
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Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-199917-1
SDG Number: Weekly: Ka'amilo Wells Pump 1

Login Number: 199917
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	
CIO4 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: 380-199917-1
SDG Number: Weekly: Ka'amilo Wells Pump 1

Login Number: 199917

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	