

ANALYTICAL REPORT

PREPARED FOR

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JOB DESCRIPTION

RED-HILL
Weekly: Ka'amilo Wells P1
RUSH Weekly Red Hill

JOB NUMBER

380-223443-1

Eurofins Pomona

Job Notes

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

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

Cover Page 1

Table of Contents 3

Definitions/Glossary 4

Case Narrative 5

Detection Summary 6

Client Sample Results 7

Action Limit Summary 11

Surrogate Summary 12

QC Sample Results 14

QC Association Summary 31

Lab Chronicle 33

Certification Summary 34

Method Summary 36

Sample Summary 37

Chain of Custody 38

Receipt Checklists 41



Definitions/Glossary

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

Job ID: 380-223443-1
SDG: Weekly: Ka'amilo Wells P1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
^3+	Reporting Limit Check Standard is outside acceptance limits, high biased
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL, and the absolute difference between results is < the upper reporting limits for both.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA TICs

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

GC Semi VOA

Qualifier	Qualifier Description
^3+	Reporting Limit Check Standard is outside acceptance limits, high biased

Glossary

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

Case Narrative

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

Job ID: 380-223443-1

Job ID: 380-223443-1

Eurofins Pomona

Job Narrative 380-223443-1

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 7/8/2026 9:28 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 1.5°C.

GC/MS Semi VOA

Method 625.1: The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch. Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-767443.

Method 625.1 SIM: EPA 625.1 SIM results for Ka'amilo Wells P1 (331-031-WL008) (380-223443-1) collected on 07/06/26 are a resample for Ka'amilo Wells P1 (331-031-WL008) (380-221283-1) collected on 06/22/26. (XWB4)

Method 625.1 SIM: The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch. Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-767443.

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 method reporting limit check (MRL) for preparation batch 570-767699 and analytical batch 570-767924 recovered outside control limits for the following analytes: C10-C28. These analytes were biased high in the MRL and were not detected in the associated samples; therefore, the data have been reported.

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: 380-223443-1
SDG: Weekly: Ka'amilo Wells P1

Client Sample ID: Ka'amilo Wells P1 (331-031-WL008)

Lab Sample ID: 380-223443-1

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin	0.074		0.0097	ug/L	1		525.2	Total/NA
Heptachlor epoxide (isomer B)	0.012		0.0097	ug/L	1		525.2	Total/NA

Client Sample ID: TB: Ka'amilo Wells P1 (331-031-WL008)

Lab Sample ID: 380-223443-2

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: 380-223443-1
SDG: Weekly: Ka'amilo Wells P1

Client Sample ID: Ka'amilo Wells P1 (331-031-WL008)

Lab Sample ID: 380-223443-1

Date Collected: 07/06/26 12:13

Matrix: Water

Date Received: 07/08/26 09:28

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.097		0.097	ug/L		07/13/26 08:18	07/15/26 13:41	1
2,4'-DDD	<0.097		0.097	ug/L		07/13/26 08:18	07/15/26 13:41	1
2,4'-DDE	<0.097		0.097	ug/L		07/13/26 08:18	07/15/26 13:41	1
2,4'-DDT	<0.097		0.097	ug/L		07/13/26 08:18	07/15/26 13:41	1
2,4-Dinitrotoluene	<0.097		0.097	ug/L		07/13/26 08:18	07/15/26 13:41	1
2,6-Dinitrotoluene	<0.097		0.097	ug/L		07/13/26 08:18	07/15/26 13:41	1
2-Methylnaphthalene	<0.097		0.097	ug/L		07/13/26 08:18	07/15/26 13:41	1
4,4'-DDD	<0.097		0.097	ug/L		07/13/26 08:18	07/15/26 13:41	1
4,4'-DDE	<0.097		0.097	ug/L		07/13/26 08:18	07/15/26 13:41	1
4,4'-DDT	<0.097		0.097	ug/L		07/13/26 08:18	07/15/26 13:41	1
Acenaphthene	<0.097		0.097	ug/L		07/13/26 08:18	07/15/26 13:41	1
Acenaphthylene	<0.097		0.097	ug/L		07/13/26 08:18	07/15/26 13:41	1
Acetochlor	<0.097		0.097	ug/L		07/13/26 08:18	07/15/26 13:41	1
Alachlor	<0.048		0.048	ug/L		07/13/26 08:18	07/15/26 13:41	1
alpha-BHC	<0.097		0.097	ug/L		07/13/26 08:18	07/15/26 13:41	1
alpha-Chlordane	<0.048		0.048	ug/L		07/13/26 08:18	07/15/26 13:41	1
Anthracene	<0.019		0.019	ug/L		07/13/26 08:18	07/15/26 13:41	1
Atrazine	<0.048		0.048	ug/L		07/13/26 08:18	07/15/26 13:41	1
Benz(a)anthracene	<0.048		0.048	ug/L		07/13/26 08:18	07/15/26 13:41	1
Benzo[a]pyrene	<0.019		0.019	ug/L		07/13/26 08:18	07/15/26 13:41	1
Benzo[b]fluoranthene	<0.019		0.019	ug/L		07/13/26 08:18	07/15/26 13:41	1
Benzo[g,h,i]perylene	<0.048		0.048	ug/L		07/13/26 08:18	07/15/26 13:41	1
Benzo[k]fluoranthene	<0.019		0.019	ug/L		07/13/26 08:18	07/15/26 13:41	1
beta-BHC	<0.097		0.097	ug/L		07/13/26 08:18	07/15/26 13:41	1
Bis(2-ethylhexyl) phthalate	<0.58		0.58	ug/L		07/13/26 08:18	07/15/26 13:41	1
Bromacil	<0.097		0.097	ug/L		07/13/26 08:18	07/15/26 13:41	1
Butachlor	<0.048		0.048	ug/L		07/13/26 08:18	07/15/26 13:41	1
Butylbenzylphthalate	<0.48		0.48	ug/L		07/13/26 08:18	07/15/26 13:41	1
Chlorobenzilate	<0.097		0.097	ug/L		07/13/26 08:18	07/15/26 13:41	1
Chloroneb	<0.097		0.097	ug/L		07/13/26 08:18	07/15/26 13:41	1
Chlorothalonil (Draconil, Bravo)	<0.097		0.097	ug/L		07/13/26 08:18	07/15/26 13:41	1
Chlorpyrifos	<0.048		0.048	ug/L		07/13/26 08:18	07/15/26 13:41	1
Chrysene	<0.019		0.019	ug/L		07/13/26 08:18	07/15/26 13:41	1
delta-BHC	<0.097		0.097	ug/L		07/13/26 08:18	07/15/26 13:41	1
Di(2-ethylhexyl)adipate	<0.58		0.58	ug/L		07/13/26 08:18	07/15/26 13:41	1
Dibenz(a,h)anthracene	<0.048		0.048	ug/L		07/13/26 08:18	07/15/26 13:41	1
Diclorvos (DDVP)	<0.048		0.048	ug/L		07/13/26 08:18	07/15/26 13:41	1
Dieldrin	0.074		0.0097	ug/L		07/13/26 08:18	07/15/26 13:41	1
Diethylphthalate	<0.48		0.48	ug/L		07/13/26 08:18	07/15/26 13:41	1
Dimethylphthalate	<0.48		0.48	ug/L		07/13/26 08:18	07/15/26 13:41	1
Di-n-butyl phthalate	<0.97		0.97	ug/L		07/13/26 08:18	07/15/26 13:41	1
Di-n-octyl phthalate	<0.097		0.097	ug/L		07/13/26 08:18	07/15/26 13:41	1
Endosulfan I (Alpha)	<0.097		0.097	ug/L		07/13/26 08:18	07/15/26 13:41	1
Endosulfan II (Beta)	<0.097		0.097	ug/L		07/13/26 08:18	07/15/26 13:41	1
Endosulfan sulfate	<0.097		0.097	ug/L		07/13/26 08:18	07/15/26 13:41	1
Endrin	<0.0097		0.0097	ug/L		07/13/26 08:18	07/15/26 13:41	1
Endrin aldehyde	<0.097		0.097	ug/L		07/13/26 08:18	07/15/26 13:41	1
EPTC	<0.097		0.097	ug/L		07/13/26 08:18	07/15/26 13:41	1
Fluoranthene	<0.097		0.097	ug/L		07/13/26 08:18	07/15/26 13:41	1

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Client Sample Results

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

Job ID: 380-223443-1
SDG: Weekly: Ka'amilo Wells P1

Client Sample ID: Ka'amilo Wells P1 (331-031-WL008)

Lab Sample ID: 380-223443-1

Date Collected: 07/06/26 12:13

Matrix: Water

Date Received: 07/08/26 09:28

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.048		0.048	ug/L		07/13/26 08:18	07/15/26 13:41	1
gamma-Chlordane	<0.048		0.048	ug/L		07/13/26 08:18	07/15/26 13:41	1
Heptachlor	<0.0097		0.0097	ug/L		07/13/26 08:18	07/15/26 13:41	1
Heptachlor epoxide (isomer B)	0.012		0.0097	ug/L		07/13/26 08:18	07/15/26 13:41	1
Hexachlorobenzene	<0.048		0.048	ug/L		07/13/26 08:18	07/15/26 13:41	1
Hexachlorocyclopentadiene	<0.048		0.048	ug/L		07/13/26 08:18	07/15/26 13:41	1
Indeno[1,2,3-cd]pyrene	<0.048		0.048	ug/L		07/13/26 08:18	07/15/26 13:41	1
Isophorone	<0.097		0.097	ug/L		07/13/26 08:18	07/15/26 13:41	1
Lindane	<0.0097		0.0097	ug/L		07/13/26 08:18	07/15/26 13:41	1
Malathion	<0.097		0.097	ug/L		07/13/26 08:18	07/15/26 13:41	1
Methoxychlor	<0.048		0.048	ug/L		07/13/26 08:18	07/15/26 13:41	1
Metolachlor	<0.048		0.048	ug/L		07/13/26 08:18	07/15/26 13:41	1
Molinate	<0.097		0.097	ug/L		07/13/26 08:18	07/15/26 13:41	1
Naphthalene	<0.097		0.097	ug/L		07/13/26 08:18	07/15/26 13:41	1
Parathion	<0.097		0.097	ug/L		07/13/26 08:18	07/15/26 13:41	1
Pendimethalin (Penoxaline)	<0.097		0.097	ug/L		07/13/26 08:18	07/15/26 13:41	1
Phenanthrene	<0.039		0.039	ug/L		07/13/26 08:18	07/15/26 13:41	1
Propachlor	<0.048		0.048	ug/L		07/13/26 08:18	07/15/26 13:41	1
Pyrene	<0.048		0.048	ug/L		07/13/26 08:18	07/15/26 13:41	1
Simazine	<0.048		0.048	ug/L		07/13/26 08:18	07/15/26 13:41	1
Terbacil	<0.097		0.097	ug/L		07/13/26 08:18	07/15/26 13:41	1
Terbutylazine	<0.097		0.097	ug/L		07/13/26 08:18	07/15/26 13:41	1
Thiobencarb	<0.097		0.097	ug/L		07/13/26 08:18	07/15/26 13:41	1
Total Permethrin (mixed isomers)	<0.19		0.19	ug/L		07/13/26 08:18	07/15/26 13:41	1
trans-Nonachlor	<0.048		0.048	ug/L		07/13/26 08:18	07/15/26 13:41	1
Trifluralin	<0.097		0.097	ug/L		07/13/26 08:18	07/15/26 13:41	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A	07/13/26 08:18	07/15/26 13:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	99		70 - 130	07/13/26 08:18	07/15/26 13:41	1
Perylene-d12	95		70 - 130	07/13/26 08:18	07/15/26 13:41	1
Triphenylphosphate	105		70 - 130	07/13/26 08:18	07/15/26 13:41	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.19		0.19	ug/L		07/11/26 13:37	07/14/26 02:02	1
2-Methylnaphthalene	<0.19		0.19	ug/L		07/11/26 13:37	07/14/26 02:02	1
Acenaphthene	<0.19		0.19	ug/L		07/11/26 13:37	07/14/26 02:02	1
Acenaphthylene	<0.19		0.19	ug/L		07/11/26 13:37	07/14/26 02:02	1
Anthracene	<0.19		0.19	ug/L		07/11/26 13:37	07/14/26 02:02	1
Benzo[a]anthracene	<0.19		0.19	ug/L		07/11/26 13:37	07/14/26 02:02	1
Benzo[a]pyrene	<0.19		0.19	ug/L		07/11/26 13:37	07/14/26 02:02	1
Benzo[b]fluoranthene	<0.19		0.19	ug/L		07/11/26 13:37	07/14/26 02:02	1
Benzo[g,h,i]perylene	<0.19		0.19	ug/L		07/11/26 13:37	07/14/26 02:02	1
Benzo[k]fluoranthene	<0.19		0.19	ug/L		07/11/26 13:37	07/14/26 02:02	1
Chrysene	<0.19		0.19	ug/L		07/11/26 13:37	07/14/26 02:02	1
Dibenz(a,h)anthracene	<0.19		0.19	ug/L		07/11/26 13:37	07/14/26 02:02	1
Fluoranthene	<0.19		0.19	ug/L		07/11/26 13:37	07/14/26 02:02	1

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Client Sample Results

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

Job ID: 380-223443-1
SDG: Weekly: Ka'amilo Wells P1

Client Sample ID: Ka'amilo Wells P1 (331-031-WL008)

Lab Sample ID: 380-223443-1

Date Collected: 07/06/26 12:13

Matrix: Water

Date Received: 07/08/26 09:28

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.19		0.19	ug/L		07/11/26 13:37	07/14/26 02:02	1
Indeno[1,2,3-cd]pyrene	<0.19		0.19	ug/L		07/11/26 13:37	07/14/26 02:02	1
Naphthalene	<0.19		0.19	ug/L		07/11/26 13:37	07/14/26 02:02	1
Phenanthrene	<0.19		0.19	ug/L		07/11/26 13:37	07/14/26 02:02	1
Pyrene	<0.19		0.19	ug/L		07/11/26 13:37	07/14/26 02:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	89		28 - 127	07/11/26 13:37	07/14/26 02:02	1
2-Fluorobiphenyl (Surr)	80		31 - 120	07/11/26 13:37	07/14/26 02:02	1
2-Fluorophenol (Surr)	54		17 - 120	07/11/26 13:37	07/14/26 02:02	1
Nitrobenzene-d5 (Surr)	79		27 - 120	07/11/26 13:37	07/14/26 02:02	1
Phenol-d6 (Surr)	28		10 - 120	07/11/26 13:37	07/14/26 02:02	1
p-Terphenyl-d14 (Surr)	77		45 - 120	07/11/26 13:37	07/14/26 02:02	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	07/11/26 13:37	07/15/26 11:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	73		33 - 139	07/11/26 13:37	07/15/26 11:39	1
2-Fluorobiphenyl (Surr)	82		33 - 126	07/11/26 13:37	07/15/26 11:39	1
2-Fluorophenol (Surr)	51		12 - 120	07/11/26 13:37	07/15/26 11:39	1
Nitrobenzene-d5 (Surr)	83		36 - 120	07/11/26 13:37	07/15/26 11:39	1
Phenol-d6 (Surr)	30		10 - 120	07/11/26 13:37	07/15/26 11:39	1
p-Terphenyl-d14 (Surr)	85		47 - 131	07/11/26 13:37	07/15/26 11:39	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			07/13/26 20:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		38 - 134		07/13/26 20:51	1

Method: SW846 8015B - Diesel Range Organics (DRO) (GC) Low Level

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<26		26	ug/L		07/12/26 08:59	07/13/26 18:29	1
Motor Oil Range Organics [C24-C36]	<26		26	ug/L		07/12/26 08:59	07/13/26 18:29	1
C8-C18	<26		26	ug/L		07/12/26 08:59	07/13/26 18:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	95		60 - 130	07/12/26 08:59	07/13/26 18:29	1

Client Sample ID: TB: Ka'amilo Wells P1 (331-031-WL008)

Lab Sample ID: 380-223443-2

Date Collected: 07/06/26 12:13

Matrix: Water

Date Received: 07/08/26 09:28

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			07/13/26 16:28	1

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Client Sample Results

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

Job ID: 380-223443-1
SDG: Weekly: Ka'amilo Wells P1

Client Sample ID: TB: Ka'amilo Wells P1 (331-031-WL008)
Date Collected: 07/06/26 12:13
Date Received: 07/08/26 09:28

Lab Sample ID: 380-223443-2
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		38 - 134		07/13/26 16:28	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: 380-223443-1
SDG: Weekly: Ka'amilo Wells P1

Client Sample ID: Ka'amilo Wells P1 (331-031-WL008)

Lab Sample ID: 380-223443-1

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	<0.048		ug/L	2	0.048	525.2	Total/NA
Atrazine	<0.048		ug/L	3	0.048	525.2	Total/NA
Benzo[a]pyrene	<0.019		ug/L	0.2	0.019	525.2	Total/NA
Bis(2-ethylhexyl) phthalate	<0.58		ug/L	6	0.58	525.2	Total/NA
Di(2-ethylhexyl)adipate	<0.58		ug/L	400	0.58	525.2	Total/NA
Endrin	<0.0097		ug/L	2	0.0097	525.2	Total/NA
Heptachlor	<0.0097		ug/L	0.4	0.0097	525.2	Total/NA
Heptachlor epoxide (isomer B)	0.012		ug/L	0.2	0.0097	525.2	Total/NA
Hexachlorobenzene	<0.048		ug/L	1	0.048	525.2	Total/NA
Hexachlorocyclopentadiene	<0.048		ug/L	50	0.048	525.2	Total/NA
Lindane	<0.0097		ug/L	0.2	0.0097	525.2	Total/NA
Methoxychlor	<0.048		ug/L	40	0.048	525.2	Total/NA
Simazine	<0.048		ug/L	4	0.048	525.2	Total/NA
Benzo[a]pyrene	<0.19		ug/L	0.2	0.19	625.1 SIM	Total/NA

Surrogate Summary

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

Job ID: 380-223443-1
SDG: Weekly: Ka'amilo Wells P1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		2NMX (70-130)	PRY (70-130)	TPP (70-130)
380-223443-1	Ka'amilo Wells P1 (331-031-WLI	99	95	105
380-223443-1 MS	Ka'amilo Wells P1 (331-031-WL008)	99	100	109
380-223444-I-1-A DU	Duplicate	99	96	107
LCS 380-239181/23-A	Lab Control Sample	101	103	104
MB 380-239181/21-A	Method Blank	100	99	105
MRL 380-239181/22-A	Lab Control Sample	99	100	106
MRL 380-239181/22-A	Lab Control Sample	99	96	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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (33-139)	FBP (33-126)	2FP (12-120)	NBZ (36-120)	PHL6 (10-120)	TPHd14 (47-131)
380-223443-1	Ka'amilo Wells P1 (331-031-WLI	73	82	51	83	30	85
MB 570-767443/1-A	Method Blank	66	67	47	72	29	80

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (28-127)	FBP (31-120)	2FP (17-120)	NBZ (27-120)	PHL6 (10-120)	TPHd14 (45-120)
380-223443-1	Ka'amilo Wells P1 (331-031-WLI	89	80	54	79	28	77
380-223448-A-1-A MS	Matrix Spike	84	80	56	69	36	87
380-223448-A-1-B MSD	Matrix Spike Duplicate	88	83	56	71	36	91
LCS 570-767443/2-A	Lab Control Sample	90	82	67	71	42	93
LCSD 570-767443/3-A	Lab Control Sample Dup	88	81	71	73	45	96
MB 570-767443/1-A	Method Blank	84	66	48	74	28	75

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)

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Surrogate Summary

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

Job ID: 380-223443-1
SDG: Weekly: Ka'amilo Wells P1

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)
380-222429-C-1 MS	Matrix Spike	105
380-222429-C-1 MSD	Matrix Spike Duplicate	101
380-223443-1	Ka'amilo Wells P1 (331-031-WL008)	102
380-223443-2	TB: Ka'amilo Wells P1 (331-031-WL008)	100
LCS 570-767974/3	Lab Control Sample	97
LCSD 570-767974/4	Lab Control Sample Dup	99
MB 570-767974/6	Method Blank	104
MRL 570-767974/5	Lab Control Sample	99

Surrogate Legend

BFB = 4-Bromofluorobenzene (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)
380-223443-1	Ka'amilo Wells P1 (331-031-WL008)	95
380-223448-B-1-A MS	Matrix Spike	109
380-223448-B-1-B MSD	Matrix Spike Duplicate	97
LCS 570-767699/2-A	Lab Control Sample	110
LCSD 570-767699/3-A	Lab Control Sample Dup	93
MB 570-767699/1-A	Method Blank	92
MRL 570-767699/4-A	Lab Control Sample	116

Surrogate Legend

OTCSN = n-Octacosane (Surr)

QC Sample Results

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

Job ID: 380-223443-1
SDG: Weekly: Ka'amilo Wells P1

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

Lab Sample ID: MB 380-239181/21-A

Matrix: Water

Analysis Batch: 239517

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 239181

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.099		0.099	ug/L		07/13/26 08:18	07/14/26 11:47	1
2,4'-DDD	<0.099		0.099	ug/L		07/13/26 08:18	07/14/26 11:47	1
2,4'-DDE	<0.099		0.099	ug/L		07/13/26 08:18	07/14/26 11:47	1
2,4'-DDT	<0.099		0.099	ug/L		07/13/26 08:18	07/14/26 11:47	1
2,4-Dinitrotoluene	<0.099		0.099	ug/L		07/13/26 08:18	07/14/26 11:47	1
2,6-Dinitrotoluene	<0.099		0.099	ug/L		07/13/26 08:18	07/14/26 11:47	1
2-Methylnaphthalene	<0.099		0.099	ug/L		07/13/26 08:18	07/14/26 11:47	1
4,4'-DDD	<0.099		0.099	ug/L		07/13/26 08:18	07/14/26 11:47	1
4,4'-DDE	<0.099		0.099	ug/L		07/13/26 08:18	07/14/26 11:47	1
4,4'-DDT	<0.099		0.099	ug/L		07/13/26 08:18	07/14/26 11:47	1
Acenaphthene	<0.099		0.099	ug/L		07/13/26 08:18	07/14/26 11:47	1
Acenaphthylene	<0.099		0.099	ug/L		07/13/26 08:18	07/14/26 11:47	1
Acetochlor	<0.099		0.099	ug/L		07/13/26 08:18	07/14/26 11:47	1
Alachlor	<0.050		0.050	ug/L		07/13/26 08:18	07/14/26 11:47	1
alpha-BHC	<0.099		0.099	ug/L		07/13/26 08:18	07/14/26 11:47	1
alpha-Chlordane	<0.050		0.050	ug/L		07/13/26 08:18	07/14/26 11:47	1
Anthracene	<0.020		0.020	ug/L		07/13/26 08:18	07/14/26 11:47	1
Atrazine	<0.050		0.050	ug/L		07/13/26 08:18	07/14/26 11:47	1
Benz(a)anthracene	<0.050		0.050	ug/L		07/13/26 08:18	07/14/26 11:47	1
Benzo[a]pyrene	<0.020		0.020	ug/L		07/13/26 08:18	07/14/26 11:47	1
Benzo[b]fluoranthene	<0.020		0.020	ug/L		07/13/26 08:18	07/14/26 11:47	1
Benzo[g,h,i]perylene	<0.050		0.050	ug/L		07/13/26 08:18	07/14/26 11:47	1
Benzo[k]fluoranthene	<0.020		0.020	ug/L		07/13/26 08:18	07/14/26 11:47	1
beta-BHC	<0.099		0.099	ug/L		07/13/26 08:18	07/14/26 11:47	1
Bis(2-ethylhexyl) phthalate	<0.60		0.60	ug/L		07/13/26 08:18	07/14/26 11:47	1
Bromacil	<0.099		0.099	ug/L		07/13/26 08:18	07/14/26 11:47	1
Butachlor	<0.050		0.050	ug/L		07/13/26 08:18	07/14/26 11:47	1
Butylbenzylphthalate	<0.50		0.50	ug/L		07/13/26 08:18	07/14/26 11:47	1
Chlorobenzilate	<0.099		0.099	ug/L		07/13/26 08:18	07/14/26 11:47	1
Chloroneb	<0.099		0.099	ug/L		07/13/26 08:18	07/14/26 11:47	1
Chlorothalonil (Draconil, Bravo)	<0.099		0.099	ug/L		07/13/26 08:18	07/14/26 11:47	1
Chlorpyrifos	<0.050		0.050	ug/L		07/13/26 08:18	07/14/26 11:47	1
Chrysene	<0.020		0.020	ug/L		07/13/26 08:18	07/14/26 11:47	1
delta-BHC	<0.099		0.099	ug/L		07/13/26 08:18	07/14/26 11:47	1
Di(2-ethylhexyl)adipate	<0.60		0.60	ug/L		07/13/26 08:18	07/14/26 11:47	1
Dibenz(a,h)anthracene	<0.050		0.050	ug/L		07/13/26 08:18	07/14/26 11:47	1
Diclorvos (DDVP)	<0.050		0.050	ug/L		07/13/26 08:18	07/14/26 11:47	1
Dieldrin	<0.0099		0.0099	ug/L		07/13/26 08:18	07/14/26 11:47	1
Diethylphthalate	<0.50		0.50	ug/L		07/13/26 08:18	07/14/26 11:47	1
Dimethylphthalate	<0.50		0.50	ug/L		07/13/26 08:18	07/14/26 11:47	1
Di-n-butyl phthalate	<0.99		0.99	ug/L		07/13/26 08:18	07/14/26 11:47	1
Di-n-octyl phthalate	<0.099		0.099	ug/L		07/13/26 08:18	07/14/26 11:47	1
Endosulfan I (Alpha)	<0.099		0.099	ug/L		07/13/26 08:18	07/14/26 11:47	1
Endosulfan II (Beta)	<0.099		0.099	ug/L		07/13/26 08:18	07/14/26 11:47	1
Endosulfan sulfate	<0.099		0.099	ug/L		07/13/26 08:18	07/14/26 11:47	1
Endrin	<0.0099		0.0099	ug/L		07/13/26 08:18	07/14/26 11:47	1
Endrin aldehyde	<0.099		0.099	ug/L		07/13/26 08:18	07/14/26 11:47	1
EPTC	<0.099		0.099	ug/L		07/13/26 08:18	07/14/26 11:47	1

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QC Sample Results

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

Job ID: 380-223443-1
SDG: Weekly: Ka'amilo Wells P1

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

Lab Sample ID: MB 380-239181/21-A

Matrix: Water

Analysis Batch: 239517

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 239181

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	<0.099		0.099	ug/L		07/13/26 08:18	07/14/26 11:47	1
Fluorene	<0.050		0.050	ug/L		07/13/26 08:18	07/14/26 11:47	1
gamma-Chlordane	<0.050		0.050	ug/L		07/13/26 08:18	07/14/26 11:47	1
Heptachlor	<0.0099		0.0099	ug/L		07/13/26 08:18	07/14/26 11:47	1
Heptachlor epoxide (isomer B)	<0.0099	^3+	0.0099	ug/L		07/13/26 08:18	07/14/26 11:47	1
Hexachlorobenzene	<0.050		0.050	ug/L		07/13/26 08:18	07/14/26 11:47	1
Hexachlorocyclopentadiene	<0.050		0.050	ug/L		07/13/26 08:18	07/14/26 11:47	1
Indeno[1,2,3-cd]pyrene	<0.050		0.050	ug/L		07/13/26 08:18	07/14/26 11:47	1
Isophorone	<0.099		0.099	ug/L		07/13/26 08:18	07/14/26 11:47	1
Lindane	<0.0099		0.0099	ug/L		07/13/26 08:18	07/14/26 11:47	1
Malathion	<0.099		0.099	ug/L		07/13/26 08:18	07/14/26 11:47	1
Methoxychlor	<0.050		0.050	ug/L		07/13/26 08:18	07/14/26 11:47	1
Metolachlor	<0.050		0.050	ug/L		07/13/26 08:18	07/14/26 11:47	1
Molinate	<0.099		0.099	ug/L		07/13/26 08:18	07/14/26 11:47	1
Naphthalene	<0.099		0.099	ug/L		07/13/26 08:18	07/14/26 11:47	1
Parathion	<0.099		0.099	ug/L		07/13/26 08:18	07/14/26 11:47	1
Pendimethalin (Penoxaline)	<0.099		0.099	ug/L		07/13/26 08:18	07/14/26 11:47	1
Phenanthrene	<0.040		0.040	ug/L		07/13/26 08:18	07/14/26 11:47	1
Propachlor	<0.050		0.050	ug/L		07/13/26 08:18	07/14/26 11:47	1
Pyrene	<0.050		0.050	ug/L		07/13/26 08:18	07/14/26 11:47	1
Simazine	<0.050		0.050	ug/L		07/13/26 08:18	07/14/26 11:47	1
Terbacil	<0.099		0.099	ug/L		07/13/26 08:18	07/14/26 11:47	1
Terbutylazine	<0.099		0.099	ug/L		07/13/26 08:18	07/14/26 11:47	1
Thiobencarb	<0.099		0.099	ug/L		07/13/26 08:18	07/14/26 11:47	1
Total Permethrin (mixed isomers)	<0.20		0.20	ug/L		07/13/26 08:18	07/14/26 11:47	1
trans-Nonachlor	<0.050		0.050	ug/L		07/13/26 08:18	07/14/26 11:47	1
Trifluralin	<0.099		0.099	ug/L		07/13/26 08:18	07/14/26 11:47	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Phenol, m-tert-butyl-	0.564	T J N	ug/L		3.76	585-34-2	07/13/26 08:18	07/14/26 11:47	1
9-Octadecenamide, (Z)-	1.25	T J N	ug/L		7.70	301-02-0	07/13/26 08:18	07/14/26 11:47	1
13-Docosenamide, (Z)-	0.562	T J N	ug/L		10.14	112-84-5	07/13/26 08:18	07/14/26 11:47	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	100		70 - 130	07/13/26 08:18	07/14/26 11:47	1
Perylene-d12	99		70 - 130	07/13/26 08:18	07/14/26 11:47	1
Triphenylphosphate	105		70 - 130	07/13/26 08:18	07/14/26 11:47	1

Lab Sample ID: LCS 380-239181/23-A

Matrix: Water

Analysis Batch: 239517

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 239181

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	1.98	2.05		ug/L		103	70 - 130
2,4'-DDD	1.98	1.98		ug/L		100	70 - 130
2,4'-DDE	1.98	2.03		ug/L		102	70 - 130
2,4'-DDT	1.98	1.91		ug/L		96	70 - 130
2,4-Dinitrotoluene	1.98	2.02		ug/L		102	70 - 130

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QC Sample Results

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

Job ID: 380-223443-1
SDG: Weekly: Ka'amilo Wells P1

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

Lab Sample ID: LCS 380-239181/23-A

Matrix: Water

Analysis Batch: 239517

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 239181

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,6-Dinitrotoluene	1.98	1.99		ug/L		101	70 - 130
2-Methylnaphthalene	1.98	2.04		ug/L		103	70 - 130
4,4'-DDD	1.98	2.00		ug/L		101	70 - 130
4,4'-DDE	1.98	1.93		ug/L		98	70 - 130
4,4'-DDT	1.98	1.94		ug/L		98	70 - 130
Acenaphthene	1.98	2.03		ug/L		103	70 - 130
Acenaphthylene	1.98	1.96		ug/L		99	70 - 130
Acetochlor	1.98	1.87		ug/L		94	70 - 130
Alachlor	1.98	1.88		ug/L		95	70 - 130
alpha-BHC	1.98	2.05		ug/L		104	70 - 130
alpha-Chlordane	1.98	2.02		ug/L		102	70 - 130
Anthracene	1.98	1.95		ug/L		98	70 - 130
Atrazine	1.98	2.13		ug/L		107	70 - 130
Benz(a)anthracene	1.98	2.17		ug/L		110	70 - 130
Benzo[a]pyrene	1.98	2.18		ug/L		110	70 - 130
Benzo[b]fluoranthene	1.98	2.17		ug/L		110	70 - 130
Benzo[g,h,i]perylene	1.98	2.11		ug/L		107	70 - 130
Benzo[k]fluoranthene	1.98	2.17		ug/L		110	70 - 130
beta-BHC	1.98	2.11		ug/L		107	70 - 130
Bis(2-ethylhexyl) phthalate	1.98	1.93		ug/L		98	70 - 130
Bromacil	1.98	1.90		ug/L		96	70 - 130
Butachlor	1.98	2.03		ug/L		103	70 - 130
Butylbenzylphthalate	1.98	2.27		ug/L		115	70 - 130
Chlorobenzilate	1.98	2.03		ug/L		103	70 - 130
Chloroneb	1.98	2.06		ug/L		104	70 - 130
Chlorothalonil (Draconil, Bravo)	1.98	2.07		ug/L		105	70 - 130
Chlorpyrifos	1.98	1.93		ug/L		97	70 - 130
Chrysene	1.98	1.98		ug/L		100	70 - 130
delta-BHC	1.98	1.85		ug/L		94	70 - 130
Di(2-ethylhexyl)adipate	1.98	2.06		ug/L		104	70 - 130
Dibenz(a,h)anthracene	1.98	2.09		ug/L		106	70 - 130
Diclorvos (DDVP)	1.98	2.11		ug/L		107	70 - 130
Dieldrin	1.98	2.02		ug/L		102	70 - 130
Diethylphthalate	1.98	2.29		ug/L		116	70 - 130
Dimethylphthalate	1.98	2.18		ug/L		110	70 - 130
Di-n-butyl phthalate	3.96	4.02		ug/L		101	70 - 130
Di-n-octyl phthalate	1.98	1.79		ug/L		91	70 - 130
Endosulfan I (Alpha)	1.98	1.81		ug/L		92	70 - 130
Endosulfan II (Beta)	1.98	1.96		ug/L		99	70 - 130
Endosulfan sulfate	1.98	2.01		ug/L		102	70 - 130
Endrin	1.98	2.08		ug/L		105	70 - 130
Endrin aldehyde	1.98	1.97		ug/L		99	60 - 130
EPTC	1.98	2.17		ug/L		110	70 - 130
Fluoranthene	1.98	1.97		ug/L		100	70 - 130
Fluorene	1.98	2.00		ug/L		101	70 - 130
gamma-Chlordane	1.98	1.88		ug/L		95	70 - 130
Heptachlor	1.98	2.09		ug/L		106	70 - 130
Heptachlor epoxide (isomer B)	1.98	2.17		ug/L		109	70 - 130
Hexachlorobenzene	1.98	2.13		ug/L		108	70 - 130

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QC Sample Results

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

Job ID: 380-223443-1
SDG: Weekly: Ka'amilo Wells P1

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

Lab Sample ID: LCS 380-239181/23-A

Matrix: Water

Analysis Batch: 239517

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 239181

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Hexachlorocyclopentadiene	1.98	1.91		ug/L		97	70 - 130
Indeno[1,2,3-cd]pyrene	1.98	2.15		ug/L		109	70 - 130
Isophorone	1.98	2.25		ug/L		114	70 - 130
Lindane	1.98	2.13		ug/L		108	70 - 130
Malathion	1.98	2.00		ug/L		101	70 - 130
Methoxychlor	1.98	2.05		ug/L		103	70 - 130
Metolachlor	1.98	1.97		ug/L		99	70 - 130
Molinate	1.98	2.09		ug/L		106	70 - 130
Naphthalene	1.98	2.09		ug/L		106	70 - 130
Parathion	1.98	2.07		ug/L		104	70 - 130
Pendimethalin (Penoxaline)	1.98	2.15		ug/L		108	70 - 130
Phenanthrene	1.98	2.00		ug/L		101	70 - 130
Propachlor	1.98	2.12		ug/L		107	70 - 130
Pyrene	1.98	1.99		ug/L		101	70 - 130
Simazine	1.98	2.11		ug/L		107	70 - 130
Terbacil	1.98	1.97		ug/L		100	70 - 130
Terbutylazine	1.98	2.18		ug/L		110	70 - 130
Thiobencarb	1.98	1.97		ug/L		99	70 - 130
trans-Nonachlor	1.98	1.79		ug/L		90	70 - 130
Trifluralin	1.98	2.07		ug/L		105	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Nitro-m-xylene	101		70 - 130
Perylene-d12	103		70 - 130
Triphenylphosphate	104		70 - 130

Lab Sample ID: MRL 380-239181/22-A

Matrix: Water

Analysis Batch: 239517

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 239181

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	0.0989	0.0997		ug/L		101	50 - 150
2,4'-DDD	0.0989	0.104		ug/L		105	50 - 150
2,4'-DDE	0.0989	0.112		ug/L		113	50 - 150
2,4'-DDT	0.0989	0.126		ug/L		127	50 - 150
2,4-Dinitrotoluene	0.0989	0.138		ug/L		140	50 - 150
2,6-Dinitrotoluene	0.0989	0.133		ug/L		135	50 - 150
2-Methylnaphthalene	0.0989	0.101		ug/L		102	50 - 150
4,4'-DDD	0.0989	0.118		ug/L		119	50 - 150
4,4'-DDE	0.0989	0.124		ug/L		126	50 - 150
4,4'-DDT	0.0989	0.141		ug/L		143	50 - 150
Acenaphthene	0.0989	0.101		ug/L		102	50 - 150
Acenaphthylene	0.0989	0.105		ug/L		106	50 - 150
Acetochlor	0.0989	0.112		ug/L		113	50 - 150
Alachlor	0.0494	0.0622		ug/L		126	50 - 150
alpha-BHC	0.0989	0.112		ug/L		113	50 - 150
alpha-Chlordane	0.0247	0.0331	J	ug/L		134	50 - 150
Anthracene	0.0198	0.0252		ug/L		128	50 - 150

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QC Sample Results

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

Job ID: 380-223443-1
SDG: Weekly: Ka'amilo Wells P1

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

Lab Sample ID: MRL 380-239181/22-A

Matrix: Water

Analysis Batch: 239517

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 239181

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Atrazine	0.0494	0.0672		ug/L		136	50 - 150
Benz(a)anthracene	0.0494	0.0651		ug/L		132	50 - 150
Benzo[a]pyrene	0.0198	0.0295		ug/L		149	50 - 150
Benzo[b]fluoranthene	0.0198	0.0276		ug/L		140	50 - 150
Benzo[g,h,i]perylene	0.0494	0.0587		ug/L		119	50 - 150
Benzo[k]fluoranthene	0.0198	0.0260		ug/L		132	50 - 150
beta-BHC	0.0989	0.114		ug/L		115	50 - 150
Bis(2-ethylhexyl) phthalate	0.593	0.747		ug/L		126	50 - 150
Bromacil	0.0989	0.123		ug/L		125	50 - 150
Butachlor	0.0494	0.0649		ug/L		131	50 - 150
Butylbenzylphthalate	0.494	0.671		ug/L		136	50 - 150
Chlorobenzilate	0.0989	0.119		ug/L		121	50 - 150
Chloroneb	0.0989	0.101		ug/L		102	50 - 150
Chlorothalonil (Draconil, Bravo)	0.0989	0.121		ug/L		122	50 - 150
Chlorpyrifos	0.0494	0.0655		ug/L		133	50 - 150
Chrysene	0.0198	0.0237		ug/L		120	50 - 150
delta-BHC	0.0989	0.105		ug/L		106	50 - 150
Di(2-ethylhexyl)adipate	0.593	0.775		ug/L		131	50 - 150
Dibenz(a,h)anthracene	0.0494	0.0622		ug/L		126	50 - 150
Diclorvos (DDVP)	0.0494	0.0590		ug/L		119	50 - 150
Dieldrin	0.00989	0.0119		ug/L		120	50 - 150
Diethylphthalate	0.494	0.624		ug/L		126	50 - 150
Dimethylphthalate	0.494	0.605		ug/L		122	50 - 150
Di-n-butyl phthalate	0.494	0.647	J	ug/L		131	49 - 243
Di-n-octyl phthalate	0.0989	0.123		ug/L		124	50 - 150
Endosulfan I (Alpha)	0.0989	0.0939	J	ug/L		95	50 - 150
Endosulfan II (Beta)	0.0989	0.111		ug/L		112	50 - 150
Endosulfan sulfate	0.0989	0.129		ug/L		131	50 - 150
Endrin	0.00989	0.0142		ug/L		143	50 - 150
Endrin aldehyde	0.0989	0.133		ug/L		135	50 - 150
EPTC	0.0989	0.110		ug/L		112	50 - 150
Fluoranthene	0.0989	0.111		ug/L		112	50 - 150
Fluorene	0.0494	0.0566		ug/L		115	50 - 150
gamma-Chlordane	0.0247	0.0322	J	ug/L		130	50 - 150
Heptachlor	0.00989	0.0143		ug/L		145	50 - 150
Heptachlor epoxide (isomer B)	0.00989	0.0153	^3+	ug/L		155	50 - 150
Hexachlorobenzene	0.0494	0.0531		ug/L		107	50 - 150
Hexachlorocyclopentadiene	0.0494	<0.038		ug/L		74	50 - 150
Indeno[1,2,3-cd]pyrene	0.0494	0.0634		ug/L		128	50 - 150
Isophorone	0.0989	0.119		ug/L		120	50 - 150
Lindane	0.00989	0.0114		ug/L		115	50 - 150
Malathion	0.0989	0.120		ug/L		121	50 - 150
Methoxychlor	0.0494	0.0668		ug/L		135	50 - 150
Metolachlor	0.0494	0.0625		ug/L		126	50 - 150
Molinate	0.0989	0.124		ug/L		125	50 - 150
Naphthalene	0.0989	0.101		ug/L		102	50 - 150
Parathion	0.0989	0.112		ug/L		114	50 - 150
Pendimethalin (Penoxaline)	0.0989	0.131		ug/L		132	50 - 150
Phenanthrene	0.0395	0.0448		ug/L		113	50 - 150

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QC Sample Results

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

Job ID: 380-223443-1
SDG: Weekly: Ka'amilo Wells P1

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

Lab Sample ID: MRL 380-239181/22-A

Matrix: Water

Analysis Batch: 239517

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 239181

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Propachlor	0.0494	0.0636		ug/L		129	50 - 150
Pyrene	0.0494	0.0630		ug/L		128	50 - 150
Simazine	0.0494	0.0719		ug/L		145	50 - 150
Terbacil	0.0989	0.119		ug/L		120	50 - 150
Terbutylazine	0.0989	0.120		ug/L		121	50 - 150
Thiobencarb	0.0989	0.120		ug/L		121	50 - 150
trans-Nonachlor	0.0247	0.0325	J	ug/L		131	50 - 150
Trifluralin	0.0989	0.126		ug/L		127	50 - 150

Surrogate	MRL %Recovery	MRL Qualifier	Limits
2-Nitro-m-xylene	99		70 - 130
Perylene-d12	100		70 - 130
Triphenylphosphate	106		70 - 130

Lab Sample ID: MRL 380-239181/22-A

Matrix: Water

Analysis Batch: 239817

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 239181

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	0.0989	0.0995		ug/L		101	50 - 150
2,4'-DDD	0.0989	0.100		ug/L		101	50 - 150
2,4'-DDE	0.0989	0.117		ug/L		118	50 - 150
2,4'-DDT	0.0989	0.115		ug/L		116	50 - 150
2,4-Dinitrotoluene	0.0989	0.136		ug/L		138	50 - 150
2,6-Dinitrotoluene	0.0989	0.129		ug/L		130	50 - 150
2-Methylnaphthalene	0.0989	0.0991		ug/L		100	50 - 150
4,4'-DDD	0.0989	0.109		ug/L		111	50 - 150
4,4'-DDE	0.0989	0.106		ug/L		107	50 - 150
4,4'-DDT	0.0989	0.115		ug/L		116	50 - 150
Acenaphthene	0.0989	0.100		ug/L		101	50 - 150
Acenaphthylene	0.0989	0.101		ug/L		102	50 - 150
Acetochlor	0.0989	0.120		ug/L		121	50 - 150
Alachlor	0.0494	0.0620		ug/L		125	50 - 150
alpha-BHC	0.0989	0.110		ug/L		111	50 - 150
alpha-Chlordane	0.0247	0.0304	J	ug/L		123	50 - 150
Anthracene	0.0198	0.0241		ug/L		122	50 - 150
Atrazine	0.0494	0.0619		ug/L		125	50 - 150
Benz(a)anthracene	0.0494	0.0570		ug/L		115	50 - 150
Benzo[a]pyrene	0.0198	0.0261		ug/L		132	50 - 150
Benzo[b]fluoranthene	0.0198	0.0244		ug/L		123	50 - 150
Benzo[g,h,i]perylene	0.0494	0.0546		ug/L		110	50 - 150
Benzo[k]fluoranthene	0.0198	0.0271		ug/L		137	50 - 150
beta-BHC	0.0989	0.132		ug/L		133	50 - 150
Bis(2-ethylhexyl) phthalate	0.593	0.722		ug/L		122	50 - 150
Bromacil	0.0989	0.128		ug/L		130	50 - 150
Butachlor	0.0494	0.0679		ug/L		137	50 - 150
Butylbenzylphthalate	0.494	0.645		ug/L		131	50 - 150
Chlorobenzilate	0.0989	0.123		ug/L		124	50 - 150

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QC Sample Results

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

Job ID: 380-223443-1
SDG: Weekly: Ka'amilo Wells P1

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

Lab Sample ID: MRL 380-239181/22-A

Matrix: Water

Analysis Batch: 239817

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 239181

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chloroneb	0.0989	0.107		ug/L		109	50 - 150
Chlorothalonil (Draconil, Bravo)	0.0989	0.106		ug/L		107	50 - 150
Chlorpyrifos	0.0494	0.0562		ug/L		114	50 - 150
Chrysene	0.0198	0.0241		ug/L		122	50 - 150
delta-BHC	0.0989	0.117		ug/L		119	50 - 150
Di(2-ethylhexyl)adipate	0.593	0.755		ug/L		127	50 - 150
Dibenz(a,h)anthracene	0.0494	0.0544		ug/L		110	50 - 150
Diclorvos (DDVP)	0.0494	0.0625		ug/L		126	50 - 150
Dieldrin	0.00989	0.00974	J	ug/L		99	50 - 150
Diethylphthalate	0.494	0.622		ug/L		126	50 - 150
Dimethylphthalate	0.494	0.590		ug/L		119	50 - 150
Di-n-butyl phthalate	0.494	0.680	J	ug/L		138	49 - 243
Di-n-octyl phthalate	0.0989	0.112		ug/L		113	50 - 150
Endosulfan I (Alpha)	0.0989	0.106		ug/L		107	50 - 150
Endosulfan II (Beta)	0.0989	0.113		ug/L		114	50 - 150
Endosulfan sulfate	0.0989	0.116		ug/L		117	50 - 150
Endrin	0.00989	0.0138		ug/L		139	50 - 150
Endrin aldehyde	0.0989	0.112		ug/L		113	50 - 150
EPTC	0.0989	0.106		ug/L		107	50 - 150
Fluoranthene	0.0989	0.112		ug/L		113	50 - 150
Fluorene	0.0494	0.0565		ug/L		114	50 - 150
gamma-Chlordane	0.0247	0.0291	J	ug/L		118	50 - 150
Heptachlor	0.00989	0.0132		ug/L		134	50 - 150
Heptachlor epoxide (isomer B)	0.00989	0.0117		ug/L		119	50 - 150
Hexachlorobenzene	0.0494	0.0579		ug/L		117	50 - 150
Hexachlorocyclopentadiene	0.0494	0.0399	J	ug/L		81	50 - 150
Indeno[1,2,3-cd]pyrene	0.0494	0.0579		ug/L		117	50 - 150
Isophorone	0.0989	0.103		ug/L		104	50 - 150
Lindane	0.00989	0.0142		ug/L		144	50 - 150
Malathion	0.0989	0.107		ug/L		109	50 - 150
Methoxychlor	0.0494	0.0636		ug/L		129	50 - 150
Metolachlor	0.0494	0.0602		ug/L		122	50 - 150
Molinate	0.0989	0.117		ug/L		118	50 - 150
Naphthalene	0.0989	0.0799	J	ug/L		81	50 - 150
Parathion	0.0989	0.109		ug/L		110	50 - 150
Pendimethalin (Penoxaline)	0.0989	0.125		ug/L		127	50 - 150
Phenanthrene	0.0395	0.0472		ug/L		119	50 - 150
Propachlor	0.0494	0.0582		ug/L		118	50 - 150
Pyrene	0.0494	0.0577		ug/L		117	50 - 150
Simazine	0.0494	0.0600		ug/L		121	50 - 150
Terbacil	0.0989	0.129		ug/L		131	50 - 150
Terbutylazine	0.0989	0.122		ug/L		123	50 - 150
Thiobencarb	0.0989	0.116		ug/L		117	50 - 150
trans-Nonachlor	0.0247	0.0313	J	ug/L		127	50 - 150
Trifluralin	0.0989	0.111		ug/L		112	50 - 150

Surrogate	MRL %Recovery	MRL Qualifier	Limits
2-Nitro-m-xylene	99		70 - 130

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QC Sample Results

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

Job ID: 380-223443-1
SDG: Weekly: Ka'amilo Wells P1

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

Lab Sample ID: MRL 380-239181/22-A

Matrix: Water

Analysis Batch: 239817

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 239181

Surrogate	%Recovery	MRL Qualifier	Limits
Perylene-d12	96		70 - 130
Triphenylphosphate	105		70 - 130

Lab Sample ID: 380-223443-1 MS

Matrix: Water

Analysis Batch: 239817

Client Sample ID: Ka'amilo Wells P1 (331-031-WL008)

Prep Type: Total/NA

Prep Batch: 239181

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.097		1.95	2.03		ug/L		104	70 - 130
2,4'-DDD	<0.097		1.95	2.03		ug/L		104	70 - 130
2,4'-DDE	<0.097		1.95	2.07		ug/L		106	70 - 130
2,4'-DDT	<0.097		1.95	1.97		ug/L		101	70 - 130
2,4-Dinitrotoluene	<0.097		1.95	2.27		ug/L		117	70 - 130
2,6-Dinitrotoluene	<0.097		1.95	2.18		ug/L		112	70 - 130
2-Methylnaphthalene	<0.097		1.95	2.02		ug/L		103	70 - 130
4,4'-DDD	<0.097		1.95	2.02		ug/L		104	70 - 130
4,4'-DDE	<0.097		1.95	1.92		ug/L		99	70 - 130
4,4'-DDT	<0.097		1.95	2.05		ug/L		105	70 - 130
Acenaphthene	<0.097		1.95	1.97		ug/L		101	70 - 130
Acenaphthylene	<0.097		1.95	2.02		ug/L		103	70 - 130
Acetochlor	<0.097		1.95	2.13		ug/L		109	70 - 130
Alachlor	<0.048		1.95	2.15		ug/L		110	70 - 130
alpha-BHC	<0.097		1.95	2.07		ug/L		106	70 - 130
alpha-Chlordane	<0.048		1.95	2.04		ug/L		103	70 - 130
Anthracene	<0.019		1.95	2.02		ug/L		104	70 - 130
Atrazine	<0.048		1.95	2.20		ug/L		113	70 - 130
Benz(a)anthracene	<0.048		1.95	2.01		ug/L		103	70 - 130
Benzo[a]pyrene	<0.019		1.95	1.98		ug/L		101	70 - 130
Benzo[b]fluoranthene	<0.019		1.95	1.95		ug/L		100	70 - 130
Benzo[g,h,i]perylene	<0.048		1.95	1.93		ug/L		99	70 - 130
Benzo[k]fluoranthene	<0.019		1.95	1.95		ug/L		100	70 - 130
beta-BHC	<0.097		1.95	2.21		ug/L		113	70 - 130
Bis(2-ethylhexyl) phthalate	<0.58		1.95	1.71		ug/L		88	70 - 130
Bromacil	<0.097		1.95	2.12		ug/L		106	70 - 130
Butachlor	<0.048		1.95	2.24		ug/L		115	70 - 130
Butylbenzylphthalate	<0.48		1.95	2.26		ug/L		116	70 - 130
Chlorobenzilate	<0.097		1.95	2.20		ug/L		113	70 - 130
Chloroneb	<0.097		1.95	2.02		ug/L		104	70 - 130
Chlorothalonil (Draconil, Bravo)	<0.097		1.95	2.11		ug/L		108	70 - 130
Chlorpyrifos	<0.048		1.95	2.14		ug/L		110	70 - 130
Chrysene	<0.019		1.95	2.01		ug/L		103	70 - 130
delta-BHC	<0.097		1.95	2.12		ug/L		109	70 - 130
Di(2-ethylhexyl)adipate	<0.58		1.95	1.98		ug/L		102	70 - 130
Dibenz(a,h)anthracene	<0.048		1.95	1.85		ug/L		95	70 - 130
Diclorvos (DDVP)	<0.048		1.95	2.01		ug/L		103	70 - 130
Dieldrin	0.074		1.95	2.06		ug/L		102	70 - 130
Diethylphthalate	<0.48		1.95	2.18		ug/L		112	70 - 130
Dimethylphthalate	<0.48		1.95	2.10		ug/L		107	70 - 130

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QC Sample Results

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

Job ID: 380-223443-1
SDG: Weekly: Ka'amilo Wells P1

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

Lab Sample ID: 380-223443-1 MS

Matrix: Water

Analysis Batch: 239817

Client Sample ID: Ka'amilo Wells P1 (331-031-WL008)

Prep Type: Total/NA

Prep Batch: 239181

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Di-n-butyl phthalate	<0.97		3.90	4.56		ug/L		117	70 - 130
Di-n-octyl phthalate	<0.097		1.95	1.61		ug/L		82	70 - 130
Endosulfan I (Alpha)	<0.097		1.95	2.06		ug/L		106	70 - 130
Endosulfan II (Beta)	<0.097		1.95	2.14		ug/L		110	70 - 130
Endosulfan sulfate	<0.097		1.95	2.08		ug/L		107	70 - 130
Endrin	<0.0097		1.95	2.21		ug/L		113	70 - 130
Endrin aldehyde	<0.097		1.95	2.10		ug/L		108	60 - 130
EPTC	<0.097		1.95	2.12		ug/L		109	70 - 130
Fluoranthene	<0.097		1.95	2.08		ug/L		107	70 - 130
Fluorene	<0.048		1.95	2.07		ug/L		106	70 - 130
gamma-Chlordane	<0.048		1.95	2.00		ug/L		101	70 - 130
Heptachlor	<0.0097		1.95	2.03		ug/L		104	70 - 130
Heptachlor epoxide (isomer B)	0.012		1.95	2.03		ug/L		103	70 - 130
Hexachlorobenzene	<0.048		1.95	1.99		ug/L		102	70 - 130
Hexachlorocyclopentadiene	<0.048		1.95	1.95		ug/L		100	70 - 130
Indeno[1,2,3-cd]pyrene	<0.048		1.95	1.96		ug/L		100	70 - 130
Isophorone	<0.097		1.95	1.95		ug/L		100	70 - 130
Lindane	<0.0097		1.95	2.12		ug/L		109	70 - 130
Malathion	<0.097		1.95	2.11		ug/L		108	70 - 130
Methoxychlor	<0.048		1.95	2.16		ug/L		111	70 - 130
Metolachlor	<0.048		1.95	2.16		ug/L		111	70 - 130
Molinate	<0.097		1.95	2.07		ug/L		106	70 - 130
Naphthalene	<0.097		1.95	1.88		ug/L		97	70 - 130
Parathion	<0.097		1.95	2.41		ug/L		123	70 - 130
Pendimethalin (Penoxaline)	<0.097		1.95	2.27		ug/L		117	70 - 130
Phenanthrene	<0.039		1.95	1.97		ug/L		101	70 - 130
Propachlor	<0.048		1.95	2.20		ug/L		113	70 - 130
Pyrene	<0.048		1.95	2.15		ug/L		110	70 - 130
Simazine	<0.048		1.95	2.10		ug/L		108	70 - 130
Terbacil	<0.097		1.95	2.23		ug/L		114	70 - 130
Terbutylazine	<0.097		1.95	2.20		ug/L		113	70 - 130
Thiobencarb	<0.097		1.95	2.17		ug/L		111	70 - 130
trans-Nonachlor	<0.048		1.95	1.95		ug/L		99	70 - 130
Trifluralin	<0.097		1.95	2.14		ug/L		110	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Nitro-m-xylene	99		70 - 130
Perylene-d12	100		70 - 130
Triphenylphosphate	109		70 - 130

Lab Sample ID: 380-223444-I-1-A DU

Matrix: Water

Analysis Batch: 239817

Client Sample ID: Duplicate

Prep Type: Total/NA

Prep Batch: 239181

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

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QC Sample Results

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

Job ID: 380-223443-1
SDG: Weekly: Ka'amilo Wells P1

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

Lab Sample ID: 380-223444-I-1-A DU

Matrix: Water

Analysis Batch: 239817

Client Sample ID: Duplicate

Prep Type: Total/NA

Prep Batch: 239181

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
2,4'-DDT	<0.097		<0.097		ug/L		NC	20
2,4-Dinitrotoluene	<0.097		<0.097		ug/L		NC	20
2,6-Dinitrotoluene	<0.097		<0.097		ug/L		NC	20
2-Methylnaphthalene	<0.097		<0.097		ug/L		NC	20
4,4'-DDD	<0.097		<0.097		ug/L		NC	20
4,4'-DDE	<0.097		<0.097		ug/L		NC	20
4,4'-DDT	<0.097		<0.097		ug/L		NC	20
Acenaphthene	<0.097		<0.097		ug/L		NC	20
Acenaphthylene	<0.097		<0.097		ug/L		NC	20
Acetochlor	<0.097		<0.097		ug/L		NC	20
Alachlor	<0.048		<0.048		ug/L		NC	20
alpha-BHC	<0.097		<0.097		ug/L		NC	20
alpha-Chlordane	<0.048		<0.048		ug/L		NC	20
Anthracene	<0.019		<0.019		ug/L		NC	20
Atrazine	<0.048		<0.048		ug/L		NC	20
Benz(a)anthracene	<0.048		<0.048		ug/L		NC	20
Benzo[a]pyrene	<0.019		<0.019		ug/L		NC	20
Benzo[b]fluoranthene	<0.019		<0.019		ug/L		NC	20
Benzo[g,h,i]perylene	<0.048		<0.048		ug/L		NC	20
Benzo[k]fluoranthene	<0.019		<0.019		ug/L		NC	20
beta-BHC	<0.097		<0.097		ug/L		NC	20
Bis(2-ethylhexyl) phthalate	<0.58		<0.58		ug/L		NC	20
Bromacil	<0.097		<0.097		ug/L		NC	20
Butachlor	<0.048		<0.048		ug/L		NC	20
Butylbenzylphthalate	<0.48		<0.48		ug/L		NC	20
Chlorobenzilate	<0.097		<0.097		ug/L		NC	20
Chloroneb	<0.097		<0.097		ug/L		NC	20
Chlorothalonil (Draconil, Bravo)	<0.097		<0.097		ug/L		NC	20
Chlorpyrifos	<0.048		<0.048		ug/L		NC	20
Chrysene	<0.019		<0.019		ug/L		NC	20
delta-BHC	<0.097		<0.097		ug/L		NC	20
Di(2-ethylhexyl)adipate	<0.58		<0.58		ug/L		NC	20
Dibenz(a,h)anthracene	<0.048		<0.048		ug/L		NC	20
Diclorvos (DDVP)	<0.048		<0.048		ug/L		NC	20
Dieldrin	0.016		0.0201	F5	ug/L		24	20
Diethylphthalate	<0.48		<0.48		ug/L		NC	20
Dimethylphthalate	<0.48		<0.48		ug/L		NC	20
Di-n-butyl phthalate	<0.97		<0.97		ug/L		NC	20
Di-n-octyl phthalate	<0.097		<0.097		ug/L		NC	20
Endosulfan I (Alpha)	<0.097		<0.097		ug/L		NC	20
Endosulfan II (Beta)	<0.097		<0.097		ug/L		NC	20
Endosulfan sulfate	<0.097		<0.097		ug/L		NC	20
Endrin	<0.0097		<0.0097		ug/L		NC	20
Endrin aldehyde	<0.097		<0.097		ug/L		NC	20
EPTC	<0.097		<0.097		ug/L		NC	20
Fluoranthene	<0.097		<0.097		ug/L		NC	20
Fluorene	<0.048		<0.048		ug/L		NC	20
gamma-Chlordane	<0.048		<0.048		ug/L		NC	20
Heptachlor	<0.0097		<0.0097		ug/L		NC	20

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QC Sample Results

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

Job ID: 380-223443-1
SDG: Weekly: Ka'amilo Wells P1

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

Lab Sample ID: 380-223444-I-1-A DU

Matrix: Water

Analysis Batch: 239817

Client Sample ID: Duplicate

Prep Type: Total/NA

Prep Batch: 239181

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Heptachlor epoxide (isomer B)	0.011		<0.0097		ug/L		NC	20
Hexachlorobenzene	<0.048		<0.048		ug/L		NC	20
Hexachlorocyclopentadiene	<0.048		<0.048		ug/L		NC	20
Indeno[1,2,3-cd]pyrene	<0.048		<0.048		ug/L		NC	20
Isophorone	<0.097		<0.097		ug/L		NC	20
Lindane	<0.0097		<0.0097		ug/L		NC	20
Malathion	<0.097		<0.097		ug/L		NC	20
Methoxychlor	<0.048		<0.048		ug/L		NC	20
Metolachlor	<0.048		<0.048		ug/L		NC	20
Molinate	<0.097		<0.097		ug/L		NC	20
Naphthalene	<0.097		<0.097		ug/L		NC	20
Parathion	<0.097		<0.097		ug/L		NC	20
Pendimethalin (Penoxaline)	<0.097		<0.097		ug/L		NC	20
Phenanthrene	<0.039		<0.039		ug/L		NC	20
Propachlor	<0.048		<0.048		ug/L		NC	20
Pyrene	<0.048		<0.048		ug/L		NC	20
Simazine	<0.048		<0.048		ug/L		NC	20
Terbacil	<0.097		<0.097		ug/L		NC	20
Terbutylazine	<0.097		<0.097		ug/L		NC	20
Thiobencarb	<0.097		<0.097		ug/L		NC	20
Total Permethrin (mixed isomers)	<0.19		<0.19		ug/L		NC	20
trans-Nonachlor	<0.048		<0.048		ug/L		NC	20
Trifluralin	<0.097		<0.097		ug/L		NC	20

Surrogate	%Recovery	DU Qualifier	Limits
2-Nitro-m-xylene	99		70 - 130
Perylene-d12	96		70 - 130
Triphenylphosphate	107		70 - 130

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

Lab Sample ID: MB 570-767443/1-A

Matrix: Water

Analysis Batch: 769166

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 767443

Tentatively Identified Compound	Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A	07/11/26 08:30	07/15/26 10:10	1

Surrogate	%Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	66		33 - 139	07/11/26 08:30	07/15/26 10:10	1
2-Fluorobiphenyl (Surr)	67		33 - 126	07/11/26 08:30	07/15/26 10:10	1
2-Fluorophenol (Surr)	47		12 - 120	07/11/26 08:30	07/15/26 10:10	1
Nitrobenzene-d5 (Surr)	72		36 - 120	07/11/26 08:30	07/15/26 10:10	1
Phenol-d6 (Surr)	29		10 - 120	07/11/26 08:30	07/15/26 10:10	1
p-Terphenyl-d14 (Surr)	80		47 - 131	07/11/26 08:30	07/15/26 10:10	1

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QC Sample Results

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

Job ID: 380-223443-1
SDG: Weekly: Ka'amilo Wells P1

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

Lab Sample ID: MB 570-767443/1-A

Matrix: Water

Analysis Batch: 768335

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 767443

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.20		0.20	ug/L		07/11/26 08:30	07/13/26 21:14	1
2-Methylnaphthalene	<0.20		0.20	ug/L		07/11/26 08:30	07/13/26 21:14	1
Acenaphthene	<0.20		0.20	ug/L		07/11/26 08:30	07/13/26 21:14	1
Acenaphthylene	<0.20		0.20	ug/L		07/11/26 08:30	07/13/26 21:14	1
Anthracene	<0.20		0.20	ug/L		07/11/26 08:30	07/13/26 21:14	1
Benzo[a]anthracene	<0.20		0.20	ug/L		07/11/26 08:30	07/13/26 21:14	1
Benzo[a]pyrene	<0.20		0.20	ug/L		07/11/26 08:30	07/13/26 21:14	1
Benzo[b]fluoranthene	<0.20		0.20	ug/L		07/11/26 08:30	07/13/26 21:14	1
Benzo[g,h,i]perylene	<0.20		0.20	ug/L		07/11/26 08:30	07/13/26 21:14	1
Benzo[k]fluoranthene	<0.20		0.20	ug/L		07/11/26 08:30	07/13/26 21:14	1
Chrysene	<0.20		0.20	ug/L		07/11/26 08:30	07/13/26 21:14	1
Dibenz(a,h)anthracene	<0.20		0.20	ug/L		07/11/26 08:30	07/13/26 21:14	1
Fluoranthene	<0.20		0.20	ug/L		07/11/26 08:30	07/13/26 21:14	1
Fluorene	<0.20		0.20	ug/L		07/11/26 08:30	07/13/26 21:14	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20	ug/L		07/11/26 08:30	07/13/26 21:14	1
Naphthalene	<0.20		0.20	ug/L		07/11/26 08:30	07/13/26 21:14	1
Phenanthrene	<0.20		0.20	ug/L		07/11/26 08:30	07/13/26 21:14	1
Pyrene	<0.20		0.20	ug/L		07/11/26 08:30	07/13/26 21:14	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	84		28 - 127	07/11/26 08:30	07/13/26 21:14	1
2-Fluorobiphenyl (Surr)	66		31 - 120	07/11/26 08:30	07/13/26 21:14	1
2-Fluorophenol (Surr)	48		17 - 120	07/11/26 08:30	07/13/26 21:14	1
Nitrobenzene-d5 (Surr)	74		27 - 120	07/11/26 08:30	07/13/26 21:14	1
Phenol-d6 (Surr)	28		10 - 120	07/11/26 08:30	07/13/26 21:14	1
p-Terphenyl-d14 (Surr)	75		45 - 120	07/11/26 08:30	07/13/26 21:14	1

Lab Sample ID: LCS 570-767443/2-A

Matrix: Water

Analysis Batch: 768335

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 767443

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	20.0	13.4		ug/L		67	47 - 120
2-Methylnaphthalene	20.0	12.3		ug/L		61	43 - 120
Acenaphthene	20.0	16.6		ug/L		83	60 - 132
Acenaphthylene	20.0	16.4		ug/L		82	54 - 126
Anthracene	20.0	16.3		ug/L		82	43 - 120
Benzo[a]anthracene	20.0	18.4		ug/L		92	42 - 133
Benzo[a]pyrene	20.0	18.2		ug/L		91	32 - 148
Benzo[b]fluoranthene	20.0	17.3		ug/L		86	42 - 140
Benzo[g,h,i]perylene	20.0	17.2		ug/L		86	1 - 195
Benzo[k]fluoranthene	20.0	17.1		ug/L		86	25 - 146
Chrysene	20.0	17.2		ug/L		86	44 - 140
Dibenz(a,h)anthracene	20.0	17.7		ug/L		88	1 - 200
Fluoranthene	20.0	17.2		ug/L		86	43 - 121
Fluorene	20.0	17.9		ug/L		89	70 - 120
Indeno[1,2,3-cd]pyrene	20.0	17.6		ug/L		88	1 - 151
Naphthalene	20.0	12.6		ug/L		63	36 - 120

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QC Sample Results

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

Job ID: 380-223443-1
SDG: Weekly: Ka'amilo Wells P1

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

Lab Sample ID: LCS 570-767443/2-A

Matrix: Water

Analysis Batch: 768335

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 767443

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Phenanthrene	20.0	17.0		ug/L		85	65 - 120
Pyrene	20.0	18.5		ug/L		93	70 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	90		28 - 127
2-Fluorobiphenyl (Surr)	82		31 - 120
2-Fluorophenol (Surr)	67		17 - 120
Nitrobenzene-d5 (Surr)	71		27 - 120
Phenol-d6 (Surr)	42		10 - 120
p-Terphenyl-d14 (Surr)	93		45 - 120

Lab Sample ID: LCSD 570-767443/3-A

Matrix: Water

Analysis Batch: 768335

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 767443

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	20.0	13.9		ug/L		69	47 - 120	3	20
2-Methylnaphthalene	20.0	12.4		ug/L		62	43 - 120	1	20
Acenaphthene	20.0	16.6		ug/L		83	60 - 132	0	29
Acenaphthylene	20.0	16.7		ug/L		83	54 - 126	2	45
Anthracene	20.0	16.0		ug/L		80	43 - 120	2	40
Benzo[a]anthracene	20.0	18.7		ug/L		94	42 - 133	2	32
Benzo[a]pyrene	20.0	18.7		ug/L		94	32 - 148	3	43
Benzo[b]fluoranthene	20.0	18.1		ug/L		91	42 - 140	5	43
Benzo[g,h,i]perylene	20.0	17.6		ug/L		88	1 - 195	2	61
Benzo[k]fluoranthene	20.0	17.4		ug/L		87	25 - 146	1	38
Chrysene	20.0	17.7		ug/L		88	44 - 140	3	53
Dibenz(a,h)anthracene	20.0	18.3		ug/L		92	1 - 200	4	75
Fluoranthene	20.0	17.1		ug/L		85	43 - 121	1	40
Fluorene	20.0	18.0		ug/L		90	70 - 120	0	23
Indeno[1,2,3-cd]pyrene	20.0	17.8		ug/L		89	1 - 151	1	60
Naphthalene	20.0	13.0		ug/L		65	36 - 120	2	39
Phenanthrene	20.0	16.9		ug/L		85	65 - 120	1	24
Pyrene	20.0	18.9		ug/L		94	70 - 120	2	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	88		28 - 127
2-Fluorobiphenyl (Surr)	81		31 - 120
2-Fluorophenol (Surr)	71		17 - 120
Nitrobenzene-d5 (Surr)	73		27 - 120
Phenol-d6 (Surr)	45		10 - 120
p-Terphenyl-d14 (Surr)	96		45 - 120

QC Sample Results

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

Job ID: 380-223443-1
SDG: Weekly: Ka'amilo Wells P1

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

Lab Sample ID: 380-223448-A-1-A MS

Matrix: Water

Analysis Batch: 768335

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 767443

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.19		19.6	13.9		ug/L		71	36 - 120
2-Methylnaphthalene	<0.19		19.6	12.6		ug/L		65	32 - 124
Acenaphthene	<0.19		19.6	16.0		ug/L		82	47 - 145
Acenaphthylene	<0.19		19.6	15.8		ug/L		81	33 - 145
Anthracene	<0.19		19.6	15.5		ug/L		79	27 - 133
Benzo[a]anthracene	<0.19		19.6	17.4		ug/L		89	33 - 143
Benzo[a]pyrene	<0.19		19.6	17.6		ug/L		90	17 - 163
Benzo[b]fluoranthene	<0.19		19.6	16.7		ug/L		86	24 - 159
Benzo[g,h,i]perylene	<0.19		19.6	15.9		ug/L		81	1 - 219
Benzo[k]fluoranthene	<0.19		19.6	15.7		ug/L		80	11 - 162
Chrysene	<0.19		19.6	16.3		ug/L		83	17 - 168
Dibenz(a,h)anthracene	<0.19		19.6	16.3		ug/L		83	1 - 227
Fluoranthene	<0.19		19.6	16.4		ug/L		84	26 - 137
Fluorene	<0.19		19.6	17.1		ug/L		87	59 - 121
Indeno[1,2,3-cd]pyrene	<0.19		19.6	16.5		ug/L		84	1 - 171
Naphthalene	<0.19		19.6	12.7		ug/L		65	21 - 133
Phenanthrene	<0.19		19.6	16.1		ug/L		82	54 - 120
Pyrene	<0.19		19.6	17.5		ug/L		90	52 - 120

Surrogate	MS %Recovery	MS Qualifier	MS Limits
2,4,6-Tribromophenol (Surr)	84		28 - 127
2-Fluorobiphenyl (Surr)	80		31 - 120
2-Fluorophenol (Surr)	56		17 - 120
Nitrobenzene-d5 (Surr)	69		27 - 120
Phenol-d6 (Surr)	36		10 - 120
p-Terphenyl-d14 (Surr)	87		45 - 120

Lab Sample ID: 380-223448-A-1-B MSD

Matrix: Water

Analysis Batch: 768335

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 767443

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	<0.19		19.5	14.0		ug/L		72	36 - 120	1	30
2-Methylnaphthalene	<0.19		19.5	12.7		ug/L		65	32 - 124	1	30
Acenaphthene	<0.19		19.5	16.3		ug/L		84	47 - 145	2	48
Acenaphthylene	<0.19		19.5	15.9		ug/L		82	33 - 145	1	74
Anthracene	<0.19		19.5	15.5		ug/L		80	27 - 133	0	66
Benzo[a]anthracene	<0.19		19.5	17.7		ug/L		91	33 - 143	2	53
Benzo[a]pyrene	<0.19		19.5	17.8		ug/L		92	17 - 163	1	72
Benzo[b]fluoranthene	<0.19		19.5	17.1		ug/L		88	24 - 159	2	71
Benzo[g,h,i]perylene	<0.19		19.5	16.3		ug/L		84	1 - 219	2	97
Benzo[k]fluoranthene	<0.19		19.5	16.0		ug/L		82	11 - 162	2	63
Chrysene	<0.19		19.5	16.6		ug/L		85	17 - 168	2	87
Dibenz(a,h)anthracene	<0.19		19.5	16.6		ug/L		85	1 - 227	2	126
Fluoranthene	<0.19		19.5	16.6		ug/L		85	26 - 137	1	66
Fluorene	<0.19		19.5	17.3		ug/L		89	59 - 121	1	38
Indeno[1,2,3-cd]pyrene	<0.19		19.5	16.8		ug/L		86	1 - 171	2	99
Naphthalene	<0.19		19.5	12.8		ug/L		66	21 - 133	1	65

Eurofins Pomona

QC Sample Results

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

Job ID: 380-223443-1
SDG: Weekly: Ka'amilo Wells P1

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

Lab Sample ID: 380-223448-A-1-B MSD

Matrix: Water

Analysis Batch: 768335

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 767443

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phenanthrene	<0.19		19.5	16.1		ug/L		83	54 - 120	0	39
Pyrene	<0.19		19.5	17.8		ug/L		91	52 - 120	2	49

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	88		28 - 127
2-Fluorobiphenyl (Surr)	83		31 - 120
2-Fluorophenol (Surr)	56		17 - 120
Nitrobenzene-d5 (Surr)	71		27 - 120
Phenol-d6 (Surr)	36		10 - 120
p-Terphenyl-d14 (Surr)	91		45 - 120

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

Lab Sample ID: MB 570-767974/6

Matrix: Water

Analysis Batch: 767974

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			07/13/26 12:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		38 - 134		07/13/26 12:04	1

Lab Sample ID: LCS 570-767974/3

Matrix: Water

Analysis Batch: 767974

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	370		ug/L		92	78 - 120

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

Lab Sample ID: LCSD 570-767974/4

Matrix: Water

Analysis Batch: 767974

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	390		ug/L		98	78 - 120	5	10

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		38 - 134

QC Sample Results

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

Job ID: 380-223443-1
SDG: Weekly: Ka'amilo Wells P1

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

Lab Sample ID: MRL 570-767974/5

Matrix: Water

Analysis Batch: 767974

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

			Spike	MRL	MRL				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	%Rec	Limits	
Gasoline Range Organics (C4-C13)			10.0	12.9		ug/L		129		50 - 150	
Surrogate	MRL	MRL									
	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	99		38 - 134								

Lab Sample ID: 380-222429-C-1 MS

Matrix: Water

Analysis Batch: 767974

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	387		ug/L	-	97	68 - 122
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	105		38 - 134						

Lab Sample ID: 380-222429-C-1 MSD

Matrix: Water

Analysis Batch: 767974

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	397		ug/L	-	99	68 - 122	3	18
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	101		38 - 134								

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

Lab Sample ID: MB 570-767699/1-A

Matrix: Water

Analysis Batch: 767924

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 767699

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Diesel Range Organics (C10-C24)	<25		25	ug/L		07/12/26 08:59	07/13/26 15:59	1
Motor Oil Range Organics [C24-C36]	<25		25	ug/L		07/12/26 08:59	07/13/26 15:59	1
C8-C18	<25		25	ug/L		07/12/26 08:59	07/13/26 15:59	1
Surrogate	MB	MB	Limits			Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier						
n-Octacosane (Surr)	92		60 - 130			07/12/26 08:59	07/13/26 15:59	

Lab Sample ID: LCS 570-767699/2-A

Matrix: Water

Analysis Batch: 767924

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 767699

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
C10-C28	1600	1670		ug/L		104	56 - 127

Eurofins Pomona

QC Sample Results

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

Job ID: 380-223443-1
SDG: Weekly: Ka'amilo Wells P1

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

Lab Sample ID: LCS 570-767699/2-A

Matrix: Water

Analysis Batch: 767924

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 767699

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
n-Octacosane (Surr)	110		60 - 130

Lab Sample ID: LCSD 570-767699/3-A

Matrix: Water

Analysis Batch: 767924

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 767699

			Spike	LCSD	LCSD				%Rec	RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
C10-C28			1600	1520		ug/L		95	56 - 127	9	23
Surrogate		LCSD									
n-Octacosane (Surr)		%Recovery	Qualifier	Limits							
		93		60 - 130							

Lab Sample ID: MRL 570-767699/4-A

Matrix: Water

Analysis Batch: 767924

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 767699

			Spike	MRL	MRL				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
C10-C28			0.0200	0.0335	^3+	mg/L		167	50 - 150		
Surrogate		MRL									
n-Octacosane (Surr)		%Recovery	Qualifier	Limits							
		116		60 - 130							

Lab Sample ID: 380-223448-B-1-A MS

Matrix: Water

Analysis Batch: 767924

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 767699

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
C10-C28	<25	^3+	1630	1780		ug/L		109	70 - 130		
Surrogate		MS									
n-Octacosane (Surr)		%Recovery	Qualifier	Limits							
		109		60 - 130							

Lab Sample ID: 380-223448-B-1-B MSD

Matrix: Water

Analysis Batch: 767924

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 767699

	Sample	Sample	Spike	MSD	MSD				%Rec	RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
C10-C28	<25	^3+	1640	1560		ug/L		95	70 - 130	13	20
Surrogate		MSD									
n-Octacosane (Surr)		%Recovery	Qualifier	Limits							
		97		60 - 130							

QC Association Summary

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

Job ID: 380-223443-1
SDG: Weekly: Ka'amilo Wells P1

GC/MS Semi VOA

Prep Batch: 239181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-223443-1	Ka'amilo Wells P1 (331-031-WL008)	Total/NA	Water	525.2	
MB 380-239181/21-A	Method Blank	Total/NA	Water	525.2	
LCS 380-239181/23-A	Lab Control Sample	Total/NA	Water	525.2	
MRL 380-239181/22-A	Lab Control Sample	Total/NA	Water	525.2	
380-223443-1 MS	Ka'amilo Wells P1 (331-031-WL008)	Total/NA	Water	525.2	
380-223444-I-1-A DU	Duplicate	Total/NA	Water	525.2	

Analysis Batch: 239517

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 380-239181/21-A	Method Blank	Total/NA	Water	525.2	239181
LCS 380-239181/23-A	Lab Control Sample	Total/NA	Water	525.2	239181
MRL 380-239181/22-A	Lab Control Sample	Total/NA	Water	525.2	239181

Analysis Batch: 239817

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-223443-1	Ka'amilo Wells P1 (331-031-WL008)	Total/NA	Water	525.2	239181
MRL 380-239181/22-A	Lab Control Sample	Total/NA	Water	525.2	239181
380-223443-1 MS	Ka'amilo Wells P1 (331-031-WL008)	Total/NA	Water	525.2	239181
380-223444-I-1-A DU	Duplicate	Total/NA	Water	525.2	239181

Prep Batch: 767443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-223443-1	Ka'amilo Wells P1 (331-031-WL008)	Total/NA	Water	625.1	
MB 570-767443/1-A	Method Blank	Total/NA	Water	625.1	
LCS 570-767443/2-A	Lab Control Sample	Total/NA	Water	625.1	
LCSD 570-767443/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	
380-223448-A-1-A MS	Matrix Spike	Total/NA	Water	625.1	
380-223448-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	625.1	

Analysis Batch: 768335

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-223443-1	Ka'amilo Wells P1 (331-031-WL008)	Total/NA	Water	625.1 SIM	767443
MB 570-767443/1-A	Method Blank	Total/NA	Water	625.1 SIM	767443
LCS 570-767443/2-A	Lab Control Sample	Total/NA	Water	625.1 SIM	767443
LCSD 570-767443/3-A	Lab Control Sample Dup	Total/NA	Water	625.1 SIM	767443
380-223448-A-1-A MS	Matrix Spike	Total/NA	Water	625.1 SIM	767443
380-223448-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	625.1 SIM	767443

Analysis Batch: 769166

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-223443-1	Ka'amilo Wells P1 (331-031-WL008)	Total/NA	Water	625.1	767443
MB 570-767443/1-A	Method Blank	Total/NA	Water	625.1	767443

GC VOA

Analysis Batch: 767974

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-223443-1	Ka'amilo Wells P1 (331-031-WL008)	Total/NA	Water	8015B GRO LL	
380-223443-2	TB: Ka'amilo Wells P1 (331-031-WL008)	Total/NA	Water	8015B GRO LL	
MB 570-767974/6	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-767974/3	Lab Control Sample	Total/NA	Water	8015B GRO LL	

Eurofins Pomona

QC Association Summary

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

Job ID: 380-223443-1
SDG: Weekly: Ka'amilo Wells P1

GC VOA (Continued)

Analysis Batch: 767974 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 570-767974/4	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-767974/5	Lab Control Sample	Total/NA	Water	8015B GRO LL	
380-222429-C-1 MS	Matrix Spike	Total/NA	Water	8015B GRO LL	
380-222429-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B GRO LL	

GC Semi VOA

Prep Batch: 767699

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-223443-1	Ka'amilo Wells P1 (331-031-WL008)	Total/NA	Water	3510C	
MB 570-767699/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-767699/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-767699/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MRL 570-767699/4-A	Lab Control Sample	Total/NA	Water	3510C	
380-223448-B-1-A MS	Matrix Spike	Total/NA	Water	3510C	
380-223448-B-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	

Analysis Batch: 767924

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-223443-1	Ka'amilo Wells P1 (331-031-WL008)	Total/NA	Water	8015B	767699
MB 570-767699/1-A	Method Blank	Total/NA	Water	8015B	767699
LCS 570-767699/2-A	Lab Control Sample	Total/NA	Water	8015B	767699
LCSD 570-767699/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	767699
MRL 570-767699/4-A	Lab Control Sample	Total/NA	Water	8015B	767699
380-223448-B-1-A MS	Matrix Spike	Total/NA	Water	8015B	767699
380-223448-B-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	8015B	767699

Lab Chronicle

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

Job ID: 380-223443-1
SDG: Weekly: Ka'amilo Wells P1

Client Sample ID: Ka'amilo Wells P1 (331-031-WL008)

Lab Sample ID: 380-223443-1

Date Collected: 07/06/26 12:13

Matrix: Water

Date Received: 07/08/26 09:28

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			239181	L9UA	EA POM	07/13/26 08:18
Total/NA	Analysis	525.2		1	239817	Q8LA	EA POM	07/15/26 13:41
Total/NA	Prep	625.1			767443	KLZQ	EET CAL 4	07/11/26 13:37
Total/NA	Analysis	625.1		1	769166	PQS1	EET CAL 4	07/15/26 11:39
Total/NA	Prep	625.1			767443	KLZQ	EET CAL 4	07/11/26 13:37
Total/NA	Analysis	625.1 SIM		1	768335	S4EA	EET CAL 4	07/14/26 02:02
Total/NA	Analysis	8015B GRO LL		1	767974	7CF2	EET CAL 4	07/13/26 20:51
Total/NA	Prep	3510C			767699	TVD6	EET CAL 4	07/12/26 08:59
Total/NA	Analysis	8015B		1	767924	NR	EET CAL 4	07/13/26 18:29

Client Sample ID: TB: Ka'amilo Wells P1 (331-031-WL008)

Lab Sample ID: 380-223443-2

Date Collected: 07/06/26 12:13

Matrix: Water

Date Received: 07/08/26 09:28

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015B GRO LL		1	767974	7CF2	EET CAL 4	07/13/26 16:28

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: 380-223443-1
SDG: Weekly: Ka'amilo Wells P1

Laboratory: Eurofins Pomona

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

Authority	Program	Identification Number	Expiration Date
Hawaii	State	CA00006	01-31-26 *
The following analytes are included in this report, but the laboratory is not certified by Hawaii State CA00006. This list may include analytes for which the agency does not offer certification:			
Analysis Method	Prep Method	Matrix	Analyte
525.2	525.2	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	Terbuthylazine
525.2	525.2	Water	Total Permethrin (mixed isomers)
525.2	525.2	Water	trans-Nonachlor

Laboratory: Eurofins Calscience

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

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	7296.01	11-30-26
A2LA	ISO/IEC 17025	7296.01	11-30-26
Alaska (UST)	State	25-005	03-02-27
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.

Eurofins Pomona

Accreditation/Certification Summary

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

Job ID: 380-223443-1
SDG: Weekly: Ka'amilo Wells P1

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	07-15-26
Kansas	NELAP	E-10420	07-31-26
Nevada	State	CA00111	07-31-26
Oregon	NELAP	4175	02-02-27
Texas	NELAP	T104704499	07-31-27
USDA	US Federal Programs	525-23-159-97150	09-30-26
Utah	NELAP	CA00111	02-28-27
Washington	State	C916	10-12-26

Method Summary

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

Job ID: 380-223443-1
SDG: Weekly: Ka'amilo Wells P1

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: 380-223443-1
SDG: Weekly: Ka'amilo Wells P1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
380-223443-1	Ka'amilo Wells P1 (331-031-WL008)	Water	07/06/26 12:13	07/08/26 09:28	Hawaii
380-223443-2	TB: Ka'amilo Wells P1 (331-031-WL008)	Water	07/06/26 12:13	07/08/26 09:28	Hawaii

- 1
- 2
- 3
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- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

A	163	B	NW
Ver. 04.02.2024			

(631A) 4.4 + 0.0 4.4
901- frozen

~~Watt~~ Watt Watts

7/8/26 928

630A 5-7-0-1 = 5-6 FCB

2 7/8/26 0928

Ver: 03/20/2026
7/17/2026

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-223443-1

SDG Number: Weekly: Ka'amilo Wells P1

Login Number: 223443

List Number: 1

Creator: Ngo, Theodore

List Source: Eurofins Pomona

Question	Answer	Comment
The coolers custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
Samples were received on ice.	True	
Cooler(s) Temperature is acceptable.	True	
Cooler(s) Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and is legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
CIO4 headspace requirement met (>50% for CA, >30% for other states).	N/A	
Samples do not require splitting or compositing.	True	
Container provided by EEA	True	

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-223443-1
SDG Number: Weekly: Ka'amilo Wells P1

Login Number: 223443

List Number: 2

Creator: Khana, Piyush

List Source: Eurofins Calscience

List Creation: 07/09/26 05:13 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ 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	2.5
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 $<6\text{mm}$ (1/4").	True	fgf5
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	