

ANALYTICAL REPORT

PREPARED FOR

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JOB DESCRIPTION

RED-HILL
Weekly: Ka'amilo Wells P1

JOB NUMBER

380-203716-1

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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Definitions/Glossary

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

Job ID: 380-203716-1
SDG: Weekly: Ka'amilo Wells P1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery 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.
S1-	Surrogate recovery exceeds control limits, low biased.

GC/MS Semi VOA TICs

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

GC VOA

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

GC Semi VOA

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

Glossary

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

Case Narrative

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

Job ID: 380-203716-1

Job ID: 380-203716-1

Eurofins Pomona

Job Narrative 380-203716-1

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 3/18/2026 10:20 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.4°C and 2.2°C.

GC/MS Semi VOA

Method 625.1: The Phenol-d6 (Surr) was outside of control limits in the following sample: Ka'amilo Wells P1 (331-031-WL008) (380-203716-1). Phenol-d6 (Surr) is not chemically associated with the target analyte(s), therefore, results are reported.

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

Gasoline Range Organics

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

Diesel Range Organics

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

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Detection Summary

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

Job ID: 380-203716-1
SDG: Weekly: Ka'amilo Wells P1

Client Sample ID: Ka'amilo Wells P1 (331-031-WL008)
PWSID Number: HI0000331

Lab Sample ID: 380-203716-1

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin	0.079		0.0098	ug/L	1		525.2	Total/NA
Heptachlor epoxide (isomer B)	0.016		0.0098	ug/L	1		525.2	Total/NA

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

Lab Sample ID: 380-203716-2

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: 380-203716-1
SDG: Weekly: Ka'amilo Wells P1

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

Lab Sample ID: 380-203716-1

Date Collected: 03/16/26 12:09

Matrix: Water

Date Received: 03/18/26 10:20

PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.098		0.098	ug/L		03/23/26 11:17	03/24/26 16:20	1
2,4'-DDD	<0.098		0.098	ug/L		03/23/26 11:17	03/24/26 16:20	1
2,4'-DDE	<0.098		0.098	ug/L		03/23/26 11:17	03/24/26 16:20	1
2,4'-DDT	<0.098		0.098	ug/L		03/23/26 11:17	03/24/26 16:20	1
2,4-Dinitrotoluene	<0.098		0.098	ug/L		03/23/26 11:17	03/24/26 16:20	1
2,6-Dinitrotoluene	<0.098		0.098	ug/L		03/23/26 11:17	03/24/26 16:20	1
2-Methylnaphthalene	<0.098		0.098	ug/L		03/23/26 11:17	03/24/26 16:20	1
4,4'-DDD	<0.098		0.098	ug/L		03/23/26 11:17	03/24/26 16:20	1
4,4'-DDE	<0.098		0.098	ug/L		03/23/26 11:17	03/24/26 16:20	1
4,4'-DDT	<0.098		0.098	ug/L		03/23/26 11:17	03/24/26 16:20	1
Acenaphthene	<0.098		0.098	ug/L		03/23/26 11:17	03/24/26 16:20	1
Acenaphthylene	<0.098		0.098	ug/L		03/23/26 11:17	03/24/26 16:20	1
Acetochlor	<0.098		0.098	ug/L		03/23/26 11:17	03/24/26 16:20	1
Alachlor	<0.049		0.049	ug/L		03/23/26 11:17	03/24/26 16:20	1
alpha-BHC	<0.098		0.098	ug/L		03/23/26 11:17	03/24/26 16:20	1
alpha-Chlordane	<0.049		0.049	ug/L		03/23/26 11:17	03/24/26 16:20	1
Anthracene	<0.020		0.020	ug/L		03/23/26 11:17	03/24/26 16:20	1
Atrazine	<0.049		0.049	ug/L		03/23/26 11:17	03/24/26 16:20	1
Benz(a)anthracene	<0.049		0.049	ug/L		03/23/26 11:17	03/24/26 16:20	1
Benzo[a]pyrene	<0.020		0.020	ug/L		03/23/26 11:17	03/24/26 16:20	1
Benzo[b]fluoranthene	<0.020		0.020	ug/L		03/23/26 11:17	03/24/26 16:20	1
Benzo[g,h,i]perylene	<0.049		0.049	ug/L		03/23/26 11:17	03/24/26 16:20	1
Benzo[k]fluoranthene	<0.020		0.020	ug/L		03/23/26 11:17	03/24/26 16:20	1
beta-BHC	<0.098		0.098	ug/L		03/23/26 11:17	03/24/26 16:20	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59	ug/L		03/23/26 11:17	03/24/26 16:20	1
Bromacil	<0.098		0.098	ug/L		03/23/26 11:17	03/24/26 16:20	1
Butachlor	<0.049		0.049	ug/L		03/23/26 11:17	03/24/26 16:20	1
Butylbenzylphthalate	<0.49		0.49	ug/L		03/23/26 11:17	03/24/26 16:20	1
Chlorobenzilate	<0.098		0.098	ug/L		03/23/26 11:17	03/24/26 16:20	1
Chloroneb	<0.098		0.098	ug/L		03/23/26 11:17	03/24/26 16:20	1
Chlorothalonil (Draconil, Bravo)	<0.098		0.098	ug/L		03/23/26 11:17	03/24/26 16:20	1
Chlorpyrifos	<0.049		0.049	ug/L		03/23/26 11:17	03/24/26 16:20	1
Chrysene	<0.020		0.020	ug/L		03/23/26 11:17	03/24/26 16:20	1
delta-BHC	<0.098		0.098	ug/L		03/23/26 11:17	03/24/26 16:20	1
Di(2-ethylhexyl)adipate	<0.59		0.59	ug/L		03/23/26 11:17	03/24/26 16:20	1
Dibenz(a,h)anthracene	<0.049		0.049	ug/L		03/23/26 11:17	03/24/26 16:20	1
Diclorvos (DDVP)	<0.049		0.049	ug/L		03/23/26 11:17	03/24/26 16:20	1
Dieldrin	0.079		0.0098	ug/L		03/23/26 11:17	03/24/26 16:20	1
Diethylphthalate	<0.49		0.49	ug/L		03/23/26 11:17	03/24/26 16:20	1
Dimethylphthalate	<0.49		0.49	ug/L		03/23/26 11:17	03/24/26 16:20	1
Di-n-butyl phthalate	<0.98		0.98	ug/L		03/23/26 11:17	03/24/26 16:20	1
Di-n-octyl phthalate	<0.098		0.098	ug/L		03/23/26 11:17	03/24/26 16:20	1
Endosulfan I (Alpha)	<0.098		0.098	ug/L		03/23/26 11:17	03/24/26 16:20	1
Endosulfan II (Beta)	<0.098		0.098	ug/L		03/23/26 11:17	03/24/26 16:20	1
Endosulfan sulfate	<0.098		0.098	ug/L		03/23/26 11:17	03/24/26 16:20	1
Endrin	<0.0098		0.0098	ug/L		03/23/26 11:17	03/24/26 16:20	1
Endrin aldehyde	<0.098		0.098	ug/L		03/23/26 11:17	03/24/26 16:20	1
EPTC	<0.098		0.098	ug/L		03/23/26 11:17	03/24/26 16:20	1
Fluoranthene	<0.098		0.098	ug/L		03/23/26 11:17	03/24/26 16:20	1

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Client Sample Results

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

Job ID: 380-203716-1
SDG: Weekly: Ka'amilo Wells P1

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

Lab Sample ID: 380-203716-1

Date Collected: 03/16/26 12:09

Matrix: Water

Date Received: 03/18/26 10:20

PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.049		0.049	ug/L		03/23/26 11:17	03/24/26 16:20	1
gamma-Chlordane	<0.049		0.049	ug/L		03/23/26 11:17	03/24/26 16:20	1
Heptachlor	<0.0098		0.0098	ug/L		03/23/26 11:17	03/24/26 16:20	1
Heptachlor epoxide (isomer B)	0.016		0.0098	ug/L		03/23/26 11:17	03/24/26 16:20	1
Hexachlorobenzene	<0.049		0.049	ug/L		03/23/26 11:17	03/24/26 16:20	1
Hexachlorocyclopentadiene	<0.049		0.049	ug/L		03/23/26 11:17	03/24/26 16:20	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049	ug/L		03/23/26 11:17	03/24/26 16:20	1
Isophorone	<0.098		0.098	ug/L		03/23/26 11:17	03/24/26 16:20	1
Lindane	<0.0098		0.0098	ug/L		03/23/26 11:17	03/24/26 16:20	1
Malathion	<0.098		0.098	ug/L		03/23/26 11:17	03/24/26 16:20	1
Methoxychlor	<0.049		0.049	ug/L		03/23/26 11:17	03/24/26 16:20	1
Metolachlor	<0.049		0.049	ug/L		03/23/26 11:17	03/24/26 16:20	1
Molinate	<0.098		0.098	ug/L		03/23/26 11:17	03/24/26 16:20	1
Naphthalene	<0.098		0.098	ug/L		03/23/26 11:17	03/24/26 16:20	1
Parathion	<0.098		0.098	ug/L		03/23/26 11:17	03/24/26 16:20	1
Pendimethalin (Penoxaline)	<0.098		0.098	ug/L		03/23/26 11:17	03/24/26 16:20	1
Phenanthrene	<0.039		0.039	ug/L		03/23/26 11:17	03/24/26 16:20	1
Propachlor	<0.049		0.049	ug/L		03/23/26 11:17	03/24/26 16:20	1
Pyrene	<0.049		0.049	ug/L		03/23/26 11:17	03/24/26 16:20	1
Simazine	<0.049		0.049	ug/L		03/23/26 11:17	03/24/26 16:20	1
Terbacil	<0.098		0.098	ug/L		03/23/26 11:17	03/24/26 16:20	1
Terbutylazine	<0.098		0.098	ug/L		03/23/26 11:17	03/24/26 16:20	1
Thiobencarb	<0.098		0.098	ug/L		03/23/26 11:17	03/24/26 16:20	1
Total Permethrin (mixed isomers)	<0.20		0.20	ug/L		03/23/26 11:17	03/24/26 16:20	1
trans-Nonachlor	<0.049		0.049	ug/L		03/23/26 11:17	03/24/26 16:20	1
Trifluralin	<0.098		0.098	ug/L		03/23/26 11:17	03/24/26 16:20	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A	03/23/26 11:17	03/24/26 16:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	97		70 - 130	03/23/26 11:17	03/24/26 16:20	1
Perylene-d12	89		70 - 130	03/23/26 11:17	03/24/26 16:20	1
Triphenylphosphate	93		70 - 130	03/23/26 11:17	03/24/26 16:20	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.20		0.20	ug/L		03/18/26 20:50	03/25/26 11:53	1
2-Methylnaphthalene	<0.20		0.20	ug/L		03/18/26 20:50	03/25/26 11:53	1
Acenaphthene	<0.20		0.20	ug/L		03/18/26 20:50	03/25/26 11:53	1
Acenaphthylene	<0.20		0.20	ug/L		03/18/26 20:50	03/25/26 11:53	1
Anthracene	<0.20		0.20	ug/L		03/18/26 20:50	03/25/26 11:53	1
Benzo[a]anthracene	<0.20		0.20	ug/L		03/18/26 20:50	03/25/26 11:53	1
Benzo[a]pyrene	<0.20		0.20	ug/L		03/18/26 20:50	03/25/26 11:53	1
Benzo[b]fluoranthene	<0.20		0.20	ug/L		03/18/26 20:50	03/25/26 11:53	1
Benzo[g,h,i]perylene	<0.20		0.20	ug/L		03/18/26 20:50	03/25/26 11:53	1
Benzo[k]fluoranthene	<0.20		0.20	ug/L		03/18/26 20:50	03/25/26 11:53	1
Chrysene	<0.20		0.20	ug/L		03/18/26 20:50	03/25/26 11:53	1
Dibenz(a,h)anthracene	<0.20		0.20	ug/L		03/18/26 20:50	03/25/26 11:53	1
Fluoranthene	<0.20		0.20	ug/L		03/18/26 20:50	03/25/26 11:53	1

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Client Sample Results

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

Job ID: 380-203716-1
SDG: Weekly: Ka'amilo Wells P1

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

Lab Sample ID: 380-203716-1

Date Collected: 03/16/26 12:09

Matrix: Water

Date Received: 03/18/26 10:20

PWSID Number: HI0000331

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.20		0.20	ug/L		03/18/26 20:50	03/25/26 11:53	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20	ug/L		03/18/26 20:50	03/25/26 11:53	1
Naphthalene	<0.20		0.20	ug/L		03/18/26 20:50	03/25/26 11:53	1
Phenanthrene	<0.20		0.20	ug/L		03/18/26 20:50	03/25/26 11:53	1
Pyrene	<0.20		0.20	ug/L		03/18/26 20:50	03/25/26 11:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	104		28 - 127	03/18/26 20:50	03/25/26 11:53	1
2-Fluorobiphenyl (Surr)	86		31 - 120	03/18/26 20:50	03/25/26 11:53	1
2-Fluorophenol (Surr)	52		17 - 120	03/18/26 20:50	03/25/26 11:53	1
Nitrobenzene-d5 (Surr)	102		27 - 120	03/18/26 20:50	03/25/26 11:53	1
Phenol-d6 (Surr)	30		10 - 120	03/18/26 20:50	03/25/26 11:53	1
p-Terphenyl-d14 (Surr)	84		45 - 120	03/18/26 20:50	03/25/26 11:53	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	03/18/26 20:50	04/01/26 04:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	69		33 - 139	03/18/26 20:50	04/01/26 04:08	1
2-Fluorobiphenyl (Surr)	83		33 - 126	03/18/26 20:50	04/01/26 04:08	1
2-Fluorophenol (Surr)	93		12 - 120	03/18/26 20:50	04/01/26 04:08	1
Nitrobenzene-d5 (Surr)	94		36 - 120	03/18/26 20:50	04/01/26 04:08	1
Phenol-d6 (Surr)	0	S1-	10 - 120	03/18/26 20:50	04/01/26 04:08	1
p-Terphenyl-d14 (Surr)	83		47 - 131	03/18/26 20:50	04/01/26 04:08	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			03/27/26 20:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		38 - 134		03/27/26 20:15	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		03/20/26 11:45	03/29/26 20:17	1
Motor Oil Range Organics [C24-C36]	<26		26	ug/L		03/20/26 11:45	03/29/26 20:17	1
C8-C18	<26		26	ug/L		03/20/26 11:45	03/29/26 20:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	96		60 - 130	03/20/26 11:45	03/29/26 20:17	1

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

Lab Sample ID: 380-203716-2

Date Collected: 03/16/26 12:09

Matrix: Water

Date Received: 03/18/26 10:20

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			03/27/26 15:25	1

Client Sample Results

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

Job ID: 380-203716-1
SDG: Weekly: Ka'amilo Wells P1

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

Lab Sample ID: 380-203716-2

Date Collected: 03/16/26 12:09

Matrix: Water

Date Received: 03/18/26 10:20

<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)	88		38 - 134		03/27/26 15:25	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: 380-203716-1
 SDG: Weekly: Ka'amilo Wells P1

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

Lab Sample ID: 380-203716-1

PWSID Number: HI0000331

Compliance Check

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

Analyte	Result	Qualifier	Unit	EPAMCL	RL	Method	Prep Type
				Limit			
Alachlor	<0.049		ug/L	2	0.049	525.2	Total/NA
Atrazine	<0.049		ug/L	3	0.049	525.2	Total/NA
Benzo[a]pyrene	<0.020		ug/L	0.2	0.020	525.2	Total/NA
Bis(2-ethylhexyl) phthalate	<0.59		ug/L	6	0.59	525.2	Total/NA
Di(2-ethylhexyl)adipate	<0.59		ug/L	400	0.59	525.2	Total/NA
Endrin	<0.0098		ug/L	2	0.0098	525.2	Total/NA
Heptachlor	<0.0098		ug/L	0.4	0.0098	525.2	Total/NA
Heptachlor epoxide (isomer B)	0.016		ug/L	0.2	0.0098	525.2	Total/NA
Hexachlorobenzene	<0.049		ug/L	1	0.049	525.2	Total/NA
Hexachlorocyclopentadiene	<0.049		ug/L	50	0.049	525.2	Total/NA
Lindane	<0.0098		ug/L	0.2	0.0098	525.2	Total/NA
Methoxychlor	<0.049		ug/L	40	0.049	525.2	Total/NA
Simazine	<0.049		ug/L	4	0.049	525.2	Total/NA
Benzo[a]pyrene	<0.20		ug/L	0.2	0.20	625.1 SIM	Total/NA

Surrogate Summary

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

Job ID: 380-203716-1
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)
380-203692-I-1-A DU	Duplicate	97	88	96
380-203700-I-1-A MS	Matrix Spike	99	97	104
380-203716-1	Ka'amilo Wells P1 (331-031-WL008)	97	89	93
LCS 380-215160/23-A	Lab Control Sample	97	94	103
LCS 380-215160/24-A	Lab Control Sample Dup	96	100	106
MB 380-215160/21-A	Method Blank	96	88	99
MRL 380-215160/22-A	Lab Control Sample	98	84	97

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)
380-203716-1	Ka'amilo Wells P1 (331-031-WL1)	69	83	93	94	0 S1-	83
MB 570-711400/1-A	Method Blank	83	74	55	82	34	81

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)
380-203715-A-1-A MS	Matrix Spike	96	83	59	90	35	86
380-203715-A-1-B MSD	Matrix Spike Duplicate	104	89	65	89	39	95
380-203716-1	Ka'amilo Wells P1 (331-031-WL008)	104	86	52	102	30	84
LCS 570-711400/2-A	Lab Control Sample	71	71	50	60	31	74
LCS 570-711400/3-A	Lab Control Sample Dup	71	72	50	61	31	74
MB 570-711400/1-A	Method Blank	81	80	50	79	30	83

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

Surrogate Summary

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

Job ID: 380-203716-1
 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)
380-203715-B-1 MS	Matrix Spike	87
380-203715-B-1 MSD	Matrix Spike Duplicate	88
380-203716-1	Ka'amilo Wells P1 (331-031-WL008)	86
380-203716-2	TB: Ka'amilo Wells P1 (331-031-WL008)	88
LCS 570-715724/3	Lab Control Sample	88
LCSD 570-715724/4	Lab Control Sample Dup	87
MB 570-715724/6	Method Blank	91
MRL 570-715724/5	Lab Control Sample	88

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)
380-203715-C-1-A MS	Matrix Spike	106
380-203715-C-1-B MSD	Matrix Spike Duplicate	119
380-203716-1	Ka'amilo Wells P1 (331-031-WL008)	96
LCS 570-712308/2-A	Lab Control Sample	122
LCSD 570-712308/3-A	Lab Control Sample Dup	125
MB 570-712308/1-A	Method Blank	115
MRL 570-712308/4-A	Lab Control Sample	110

Surrogate Legend

OTCSN = n-Octacosane (Surr)

QC Sample Results

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

Job ID: 380-203716-1
 SDG: Weekly: Ka'amilo Wells P1

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

Lab Sample ID: MB 380-215160/21-A
Matrix: Water
Analysis Batch: 215411

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 215160

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.097		0.097	ug/L		03/23/26 11:17	03/24/26 12:34	1
2,4'-DDD	<0.097		0.097	ug/L		03/23/26 11:17	03/24/26 12:34	1
2,4'-DDE	<0.097		0.097	ug/L		03/23/26 11:17	03/24/26 12:34	1
2,4'-DDT	<0.097		0.097	ug/L		03/23/26 11:17	03/24/26 12:34	1
2,4-Dinitrotoluene	<0.097		0.097	ug/L		03/23/26 11:17	03/24/26 12:34	1
2,6-Dinitrotoluene	<0.097		0.097	ug/L		03/23/26 11:17	03/24/26 12:34	1
2-Methylnaphthalene	<0.097		0.097	ug/L		03/23/26 11:17	03/24/26 12:34	1
4,4'-DDD	<0.097		0.097	ug/L		03/23/26 11:17	03/24/26 12:34	1
4,4'-DDE	<0.097		0.097	ug/L		03/23/26 11:17	03/24/26 12:34	1
4,4'-DDT	<0.097		0.097	ug/L		03/23/26 11:17	03/24/26 12:34	1
Acenaphthene	<0.097		0.097	ug/L		03/23/26 11:17	03/24/26 12:34	1
Acenaphthylene	<0.097		0.097	ug/L		03/23/26 11:17	03/24/26 12:34	1
Acetochlor	<0.097		0.097	ug/L		03/23/26 11:17	03/24/26 12:34	1
Alachlor	<0.049		0.049	ug/L		03/23/26 11:17	03/24/26 12:34	1
alpha-BHC	<0.097		0.097	ug/L		03/23/26 11:17	03/24/26 12:34	1
alpha-Chlordane	<0.049		0.049	ug/L		03/23/26 11:17	03/24/26 12:34	1
Anthracene	<0.019		0.019	ug/L		03/23/26 11:17	03/24/26 12:34	1
Atrazine	<0.049		0.049	ug/L		03/23/26 11:17	03/24/26 12:34	1
Benz(a)anthracene	<0.049		0.049	ug/L		03/23/26 11:17	03/24/26 12:34	1
Benzo[a]pyrene	<0.019		0.019	ug/L		03/23/26 11:17	03/24/26 12:34	1
Benzo[b]fluoranthene	<0.019		0.019	ug/L		03/23/26 11:17	03/24/26 12:34	1
Benzo[g,h,i]perylene	<0.049		0.049	ug/L		03/23/26 11:17	03/24/26 12:34	1
Benzo[k]fluoranthene	<0.019		0.019	ug/L		03/23/26 11:17	03/24/26 12:34	1
beta-BHC	<0.097		0.097	ug/L		03/23/26 11:17	03/24/26 12:34	1
Bis(2-ethylhexyl) phthalate	<0.58		0.58	ug/L		03/23/26 11:17	03/24/26 12:34	1
Bromacil	<0.097		0.097	ug/L		03/23/26 11:17	03/24/26 12:34	1
Butachlor	<0.049		0.049	ug/L		03/23/26 11:17	03/24/26 12:34	1
Butylbenzylphthalate	<0.49		0.49	ug/L		03/23/26 11:17	03/24/26 12:34	1
Chlorobenzilate	<0.097		0.097	ug/L		03/23/26 11:17	03/24/26 12:34	1
Chloroneb	<0.097		0.097	ug/L		03/23/26 11:17	03/24/26 12:34	1
Chlorothalonil (Draconil, Bravo)	<0.097		0.097	ug/L		03/23/26 11:17	03/24/26 12:34	1
Chlorpyrifos	<0.049		0.049	ug/L		03/23/26 11:17	03/24/26 12:34	1
Chrysene	<0.019		0.019	ug/L		03/23/26 11:17	03/24/26 12:34	1
delta-BHC	<0.097		0.097	ug/L		03/23/26 11:17	03/24/26 12:34	1
Di(2-ethylhexyl)adipate	<0.58		0.58	ug/L		03/23/26 11:17	03/24/26 12:34	1
Dibenz(a,h)anthracene	<0.049		0.049	ug/L		03/23/26 11:17	03/24/26 12:34	1
Diclorvos (DDVP)	<0.049		0.049	ug/L		03/23/26 11:17	03/24/26 12:34	1
Dieldrin	<0.0097		0.0097	ug/L		03/23/26 11:17	03/24/26 12:34	1
Diethylphthalate	<0.49		0.49	ug/L		03/23/26 11:17	03/24/26 12:34	1
Dimethylphthalate	<0.49		0.49	ug/L		03/23/26 11:17	03/24/26 12:34	1
Di-n-butyl phthalate	<0.97		0.97	ug/L		03/23/26 11:17	03/24/26 12:34	1
Di-n-octyl phthalate	<0.097		0.097	ug/L		03/23/26 11:17	03/24/26 12:34	1
Endosulfan I (Alpha)	<0.097		0.097	ug/L		03/23/26 11:17	03/24/26 12:34	1
Endosulfan II (Beta)	<0.097		0.097	ug/L		03/23/26 11:17	03/24/26 12:34	1
Endosulfan sulfate	<0.097		0.097	ug/L		03/23/26 11:17	03/24/26 12:34	1
Endrin	<0.0097		0.0097	ug/L		03/23/26 11:17	03/24/26 12:34	1
Endrin aldehyde	<0.097		0.097	ug/L		03/23/26 11:17	03/24/26 12:34	1
EPTC	<0.097		0.097	ug/L		03/23/26 11:17	03/24/26 12:34	1

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QC Sample Results

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

Job ID: 380-203716-1
SDG: Weekly: Ka'amilo Wells P1

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

Lab Sample ID: MB 380-215160/21-A
Matrix: Water
Analysis Batch: 215411

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 215160

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	<0.097		0.097	ug/L		03/23/26 11:17	03/24/26 12:34	1
Fluorene	<0.049		0.049	ug/L		03/23/26 11:17	03/24/26 12:34	1
gamma-Chlordane	<0.049		0.049	ug/L		03/23/26 11:17	03/24/26 12:34	1
Heptachlor	<0.0097		0.0097	ug/L		03/23/26 11:17	03/24/26 12:34	1
Heptachlor epoxide (isomer B)	<0.0097		0.0097	ug/L		03/23/26 11:17	03/24/26 12:34	1
Hexachlorobenzene	<0.049		0.049	ug/L		03/23/26 11:17	03/24/26 12:34	1
Hexachlorocyclopentadiene	<0.049		0.049	ug/L		03/23/26 11:17	03/24/26 12:34	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049	ug/L		03/23/26 11:17	03/24/26 12:34	1
Isophorone	<0.097		0.097	ug/L		03/23/26 11:17	03/24/26 12:34	1
Lindane	<0.0097		0.0097	ug/L		03/23/26 11:17	03/24/26 12:34	1
Malathion	<0.097		0.097	ug/L		03/23/26 11:17	03/24/26 12:34	1
Methoxychlor	<0.049		0.049	ug/L		03/23/26 11:17	03/24/26 12:34	1
Metolachlor	<0.049		0.049	ug/L		03/23/26 11:17	03/24/26 12:34	1
Molinate	<0.097		0.097	ug/L		03/23/26 11:17	03/24/26 12:34	1
Naphthalene	<0.097		0.097	ug/L		03/23/26 11:17	03/24/26 12:34	1
Parathion	<0.097		0.097	ug/L		03/23/26 11:17	03/24/26 12:34	1
Pendimethalin (Penoxaline)	<0.097		0.097	ug/L		03/23/26 11:17	03/24/26 12:34	1
Phenanthrene	<0.039		0.039	ug/L		03/23/26 11:17	03/24/26 12:34	1
Propachlor	<0.049		0.049	ug/L		03/23/26 11:17	03/24/26 12:34	1
Pyrene	<0.049		0.049	ug/L		03/23/26 11:17	03/24/26 12:34	1
Simazine	<0.049		0.049	ug/L		03/23/26 11:17	03/24/26 12:34	1
Terbacil	<0.097		0.097	ug/L		03/23/26 11:17	03/24/26 12:34	1
Terbutylazine	<0.097		0.097	ug/L		03/23/26 11:17	03/24/26 12:34	1
Thiobencarb	<0.097		0.097	ug/L		03/23/26 11:17	03/24/26 12:34	1
Total Permethrin (mixed isomers)	<0.19		0.19	ug/L		03/23/26 11:17	03/24/26 12:34	1
trans-Nonachlor	<0.049		0.049	ug/L		03/23/26 11:17	03/24/26 12:34	1
Trifluralin	<0.097		0.097	ug/L		03/23/26 11:17	03/24/26 12:34	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Undecane	5.40	T J N	ug/L		3.15	1120-21-4	03/23/26 11:17	03/24/26 12:34	1
9-Octadecenamide, (Z)-	1.29	T J N	ug/L		7.91	301-02-0	03/23/26 11:17	03/24/26 12:34	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	96		70 - 130	03/23/26 11:17	03/24/26 12:34	1
Perylene-d12	88		70 - 130	03/23/26 11:17	03/24/26 12:34	1
Triphenylphosphate	99		70 - 130	03/23/26 11:17	03/24/26 12:34	1

Lab Sample ID: LCS 380-215160/23-A
Matrix: Water
Analysis Batch: 215411

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 215160

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	1.95	1.91		ug/L		98	70 - 130
2,4'-DDD	1.95	1.95		ug/L		100	70 - 130
2,4'-DDE	1.95	2.00		ug/L		103	70 - 130
2,4'-DDT	1.95	1.94		ug/L		100	70 - 130
2,4-Dinitrotoluene	1.95	1.80		ug/L		93	70 - 130
2,6-Dinitrotoluene	1.95	1.88		ug/L		97	70 - 130

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QC Sample Results

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

Job ID: 380-203716-1
SDG: Weekly: Ka'amilo Wells P1

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

Lab Sample ID: LCS 380-215160/23-A
Matrix: Water
Analysis Batch: 215411

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 215160

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Methylnaphthalene	1.95	1.93		ug/L		99	70 - 130
4,4'-DDD	1.95	2.06		ug/L		106	70 - 130
4,4'-DDE	1.95	1.85		ug/L		95	70 - 130
4,4'-DDT	1.95	2.07		ug/L		106	70 - 130
Acenaphthene	1.95	1.97		ug/L		101	70 - 130
Acenaphthylene	1.95	2.01		ug/L		103	70 - 130
Acetochlor	1.95	2.00		ug/L		103	70 - 130
Alachlor	1.95	1.95		ug/L		100	70 - 130
alpha-BHC	1.95	2.04		ug/L		105	70 - 130
alpha-Chlordane	1.95	2.05		ug/L		105	70 - 130
Anthracene	1.95	2.01		ug/L		103	70 - 130
Atrazine	1.95	1.98		ug/L		102	70 - 130
Benz(a)anthracene	1.95	2.13		ug/L		110	70 - 130
Benzo[a]pyrene	1.95	1.97		ug/L		101	70 - 130
Benzo[b]fluoranthene	1.95	2.05		ug/L		105	70 - 130
Benzo[g,h,i]perylene	1.95	1.94		ug/L		100	70 - 130
Benzo[k]fluoranthene	1.95	1.95		ug/L		100	70 - 130
beta-BHC	1.95	2.13		ug/L		109	70 - 130
Bis(2-ethylhexyl) phthalate	1.95	1.92		ug/L		99	70 - 130
Bromacil	1.95	1.72		ug/L		88	70 - 130
Butachlor	1.95	1.97		ug/L		101	70 - 130
Butylbenzylphthalate	1.95	2.08		ug/L		107	70 - 130
Chlorobenzilate	1.95	2.03		ug/L		104	70 - 130
Chloroneb	1.95	2.07		ug/L		106	70 - 130
Chlorothalonil (Draconil, Bravo)	1.95	1.96		ug/L		101	70 - 130
Chlorpyrifos	1.95	1.92		ug/L		99	70 - 130
Chrysene	1.95	2.14		ug/L		110	70 - 130
delta-BHC	1.95	1.94		ug/L		100	70 - 130
Di(2-ethylhexyl)adipate	1.95	2.04		ug/L		105	70 - 130
Dibenz(a,h)anthracene	1.95	1.91		ug/L		98	70 - 130
Diclorvos (DDVP)	1.95	2.04		ug/L		105	70 - 130
Dieldrin	1.95	2.05		ug/L		105	70 - 130
Diethylphthalate	1.95	2.13		ug/L		110	70 - 130
Dimethylphthalate	1.95	2.08		ug/L		107	70 - 130
Di-n-butyl phthalate	3.89	4.19		ug/L		108	70 - 130
Di-n-octyl phthalate	1.95	1.86		ug/L		95	70 - 130
Endosulfan I (Alpha)	1.95	2.13		ug/L		110	70 - 130
Endosulfan II (Beta)	1.95	2.07		ug/L		106	70 - 130
Endosulfan sulfate	1.95	1.96		ug/L		101	70 - 130
Endrin	1.95	2.17		ug/L		111	70 - 130
Endrin aldehyde	1.95	1.93		ug/L		99	60 - 130
EPTC	1.95	2.12		ug/L		109	70 - 130
Fluoranthene	1.95	1.99		ug/L		102	70 - 130
Fluorene	1.95	2.10		ug/L		108	70 - 130
gamma-Chlordane	1.95	2.12		ug/L		109	70 - 130
Heptachlor	1.95	2.02		ug/L		104	70 - 130
Heptachlor epoxide (isomer B)	1.95	1.86		ug/L		96	70 - 130
Hexachlorobenzene	1.95	1.96		ug/L		101	70 - 130
Hexachlorocyclopentadiene	1.95	1.88		ug/L		97	70 - 130

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QC Sample Results

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

Job ID: 380-203716-1
SDG: Weekly: Ka'amilo Wells P1

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

Lab Sample ID: LCS 380-215160/23-A
Matrix: Water
Analysis Batch: 215411

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 215160

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Indeno[1,2,3-cd]pyrene	1.95	1.94		ug/L		99	70 - 130
Isophorone	1.95	1.99		ug/L		102	70 - 130
Lindane	1.95	2.12		ug/L		109	70 - 130
Malathion	1.95	1.90		ug/L		98	70 - 130
Methoxychlor	1.95	1.91		ug/L		98	70 - 130
Metolachlor	1.95	1.95		ug/L		100	70 - 130
Molinate	1.95	2.14		ug/L		110	70 - 130
Naphthalene	1.95	1.94		ug/L		100	70 - 130
Parathion	1.95	2.06		ug/L		106	70 - 130
Pendimethalin (Penoxaline)	1.95	1.84		ug/L		95	70 - 130
Phenanthrene	1.95	2.01		ug/L		103	70 - 130
Propachlor	1.95	2.07		ug/L		106	70 - 130
Pyrene	1.95	2.03		ug/L		104	70 - 130
Simazine	1.95	1.91		ug/L		98	70 - 130
Terbacil	1.95	1.73		ug/L		89	70 - 130
Terbutylazine	1.95	2.04		ug/L		105	70 - 130
Thiobencarb	1.95	2.00		ug/L		103	70 - 130
trans-Nonachlor	1.95	1.87		ug/L		96	70 - 130
Trifluralin	1.95	1.89		ug/L		97	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Nitro-m-xylene	97		70 - 130
Perylene-d12	94		70 - 130
Triphenylphosphate	103		70 - 130

Lab Sample ID: LCSD 380-215160/24-A
Matrix: Water
Analysis Batch: 215411

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 215160

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	1.95	1.95		ug/L		100	70 - 130	2	20
2,4'-DDD	1.95	1.98		ug/L		101	70 - 130	1	20
2,4'-DDE	1.95	2.00		ug/L		102	70 - 130	0	20
2,4'-DDT	1.95	2.00		ug/L		103	70 - 130	3	20
2,4-Dinitrotoluene	1.95	1.98		ug/L		102	70 - 130	9	20
2,6-Dinitrotoluene	1.95	1.98		ug/L		102	70 - 130	5	20
2-Methylnaphthalene	1.95	1.98		ug/L		101	70 - 130	2	20
4,4'-DDD	1.95	2.14		ug/L		110	70 - 130	4	20
4,4'-DDE	1.95	1.89		ug/L		97	70 - 130	2	20
4,4'-DDT	1.95	2.17		ug/L		111	70 - 130	4	20
Acenaphthene	1.95	2.02		ug/L		104	70 - 130	2	20
Acenaphthylene	1.95	2.05		ug/L		105	70 - 130	2	20
Acetochlor	1.95	2.02		ug/L		104	70 - 130	1	20
Alachlor	1.95	2.05		ug/L		105	70 - 130	5	20
alpha-BHC	1.95	2.10		ug/L		108	70 - 130	3	20
alpha-Chlordane	1.95	2.14		ug/L		110	70 - 130	4	20
Anthracene	1.95	2.06		ug/L		106	70 - 130	2	20
Atrazine	1.95	2.06		ug/L		106	70 - 130	4	20

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QC Sample Results

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

Job ID: 380-203716-1
SDG: Weekly: Ka'amilo Wells P1

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

Lab Sample ID: LCSD 380-215160/24-A
Matrix: Water
Analysis Batch: 215411

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 215160

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	RPD Limit
							Limits	RPD		
Benz(a)anthracene	1.95	2.22		ug/L		114	70 - 130	4	20	
Benzo[a]pyrene	1.95	2.04		ug/L		105	70 - 130	3	20	
Benzo[b]fluoranthene	1.95	2.08		ug/L		107	70 - 130	1	20	
Benzo[g,h,i]perylene	1.95	2.03		ug/L		104	70 - 130	4	20	
Benzo[k]fluoranthene	1.95	2.07		ug/L		106	70 - 130	6	20	
beta-BHC	1.95	2.15		ug/L		110	70 - 130	1	20	
Bis(2-ethylhexyl) phthalate	1.95	1.99		ug/L		102	70 - 130	3	20	
Bromacil	1.95	1.90		ug/L		97	70 - 130	10	20	
Butachlor	1.95	2.03		ug/L		104	70 - 130	3	20	
Butylbenzylphthalate	1.95	2.17		ug/L		111	70 - 130	4	20	
Chlorobenzilate	1.95	2.12		ug/L		109	70 - 130	5	20	
Chloroneb	1.95	2.13		ug/L		109	70 - 130	3	20	
Chlorothalonil (Draconil, Bravo)	1.95	2.05		ug/L		105	70 - 130	4	20	
Chlorpyrifos	1.95	2.07		ug/L		106	70 - 130	7	20	
Chrysene	1.95	2.21		ug/L		113	70 - 130	3	20	
delta-BHC	1.95	2.05		ug/L		105	70 - 130	5	20	
Di(2-ethylhexyl)adipate	1.95	2.13		ug/L		109	70 - 130	4	20	
Dibenz(a,h)anthracene	1.95	2.01		ug/L		103	70 - 130	5	20	
Diclorvos (DDVP)	1.95	2.16		ug/L		111	70 - 130	6	20	
Dieldrin	1.95	2.22		ug/L		114	70 - 130	8	20	
Diethylphthalate	1.95	2.14		ug/L		110	70 - 130	0	20	
Dimethylphthalate	1.95	2.08		ug/L		107	70 - 130	0	20	
Di-n-butyl phthalate	3.90	4.38		ug/L		112	70 - 130	5	20	
Di-n-octyl phthalate	1.95	1.97		ug/L		101	70 - 130	6	20	
Endosulfan I (Alpha)	1.95	2.18		ug/L		112	70 - 130	2	20	
Endosulfan II (Beta)	1.95	2.17		ug/L		111	70 - 130	4	20	
Endosulfan sulfate	1.95	2.08		ug/L		107	70 - 130	6	20	
Endrin	1.95	2.18		ug/L		112	70 - 130	0	20	
Endrin aldehyde	1.95	2.01		ug/L		103	60 - 130	4	20	
EPTC	1.95	2.19		ug/L		112	70 - 130	3	20	
Fluoranthene	1.95	2.05		ug/L		105	70 - 130	3	20	
Fluorene	1.95	2.10		ug/L		108	70 - 130	0	20	
gamma-Chlordane	1.95	2.20		ug/L		113	70 - 130	4	20	
Heptachlor	1.95	2.11		ug/L		108	70 - 130	4	20	
Heptachlor epoxide (isomer B)	1.95	1.99		ug/L		102	70 - 130	7	20	
Hexachlorobenzene	1.95	1.98		ug/L		101	70 - 130	1	20	
Hexachlorocyclopentadiene	1.95	1.97		ug/L		101	70 - 130	4	20	
Indeno[1,2,3-cd]pyrene	1.95	2.03		ug/L		104	70 - 130	5	20	
Isophorone	1.95	2.08		ug/L		107	70 - 130	5	20	
Lindane	1.95	2.16		ug/L		111	70 - 130	2	20	
Malathion	1.95	1.99		ug/L		102	70 - 130	5	20	
Methoxychlor	1.95	2.03		ug/L		104	70 - 130	7	20	
Metolachlor	1.95	2.05		ug/L		105	70 - 130	5	20	
Molinate	1.95	2.22		ug/L		114	70 - 130	4	20	
Naphthalene	1.95	1.94		ug/L		100	70 - 130	0	20	
Parathion	1.95	2.19		ug/L		112	70 - 130	6	20	
Pendimethalin (Penoxaline)	1.95	2.00		ug/L		102	70 - 130	8	20	
Phenanthrene	1.95	2.07		ug/L		106	70 - 130	3	20	
Propachlor	1.95	2.10		ug/L		108	70 - 130	2	20	

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QC Sample Results

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

Job ID: 380-203716-1
SDG: Weekly: Ka'amilo Wells P1

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

Lab Sample ID: LCSD 380-215160/24-A
Matrix: Water
Analysis Batch: 215411

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 215160

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Pyrene	1.95	2.10		ug/L		108	70 - 130	3	20
Simazine	1.95	2.00		ug/L		103	70 - 130	5	20
Terbacil	1.95	1.75		ug/L		90	70 - 130	1	20
Terbutylazine	1.95	2.07		ug/L		106	70 - 130	1	20
Thiobencarb	1.95	2.07		ug/L		106	70 - 130	3	20
trans-Nonachlor	1.95	1.99		ug/L		102	70 - 130	6	20
Trifluralin	1.95	1.92		ug/L		98	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Nitro-m-xylene	96		70 - 130
Perylene-d12	100		70 - 130
Triphenylphosphate	106		70 - 130

Lab Sample ID: MRL 380-215160/22-A
Matrix: Water
Analysis Batch: 215411

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 215160

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	0.0971	0.123		ug/L		127	50 - 150
2,4'-DDD	0.0971	0.101		ug/L		104	50 - 150
2,4'-DDE	0.0971	0.110		ug/L		114	50 - 150
2,4'-DDT	0.0971	0.111		ug/L		114	50 - 150
2,4-Dinitrotoluene	0.0971	0.112		ug/L		115	50 - 150
2,6-Dinitrotoluene	0.0971	0.129		ug/L		132	50 - 150
2-Methylnaphthalene	0.0971	0.117		ug/L		120	50 - 150
4,4'-DDD	0.0971	0.110		ug/L		114	50 - 150
4,4'-DDE	0.0971	0.107		ug/L		111	50 - 150
4,4'-DDT	0.0971	0.117		ug/L		121	50 - 150
Acenaphthene	0.0971	0.107		ug/L		111	50 - 150
Acenaphthylene	0.0971	0.102		ug/L		105	50 - 150
Acetochlor	0.0971	0.121		ug/L		125	50 - 150
Alachlor	0.0485	0.0603		ug/L		124	50 - 150
alpha-BHC	0.0971	0.108		ug/L		112	50 - 150
alpha-Chlordane	0.0243	0.0299	J	ug/L		123	50 - 150
Anthracene	0.0194	0.0272		ug/L		140	50 - 150
Atrazine	0.0485	0.0702		ug/L		145	50 - 150
Benz(a)anthracene	0.0485	0.0581		ug/L		120	50 - 150
Benzo[a]pyrene	0.0194	0.0236		ug/L		122	50 - 150
Benzo[b]fluoranthene	0.0194	0.0236		ug/L		121	50 - 150
Benzo[g,h,i]perylene	0.0485	0.0570		ug/L		117	50 - 150
Benzo[k]fluoranthene	0.0194	0.0229		ug/L		118	50 - 150
beta-BHC	0.0971	0.117		ug/L		120	50 - 150
Bis(2-ethylhexyl) phthalate	0.583	0.602		ug/L		103	50 - 150
Bromacil	0.0971	0.109		ug/L		112	50 - 150
Butachlor	0.0485	0.0668		ug/L		138	50 - 150
Butylbenzylphthalate	0.485	0.571		ug/L		118	50 - 150
Chlorobenzilate	0.0971	0.107		ug/L		110	50 - 150
Chloroneb	0.0971	0.114		ug/L		118	50 - 150

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QC Sample Results

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

Job ID: 380-203716-1
 SDG: Weekly: Ka'amilo Wells P1

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

Lab Sample ID: MRL 380-215160/22-A
Matrix: Water
Analysis Batch: 215411

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 215160

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chlorothalonil (Draconil, Bravo)	0.0971	0.101		ug/L		105	50 - 150
Chlorpyrifos	0.0485	0.0615		ug/L		127	50 - 150
Chrysene	0.0194	0.0239		ug/L		123	50 - 150
delta-BHC	0.0971	0.111		ug/L		114	50 - 150
Di(2-ethylhexyl)adipate	0.583	0.658		ug/L		113	50 - 150
Dibenz(a,h)anthracene	0.0485	0.0587		ug/L		121	50 - 150
Diclorvos (DDVP)	0.0485	0.0578		ug/L		119	50 - 150
Dieldrin	0.00971	0.0128		ug/L		132	50 - 150
Diethylphthalate	0.485	0.602		ug/L		124	50 - 150
Dimethylphthalate	0.485	0.571		ug/L		118	50 - 150
Di-n-butyl phthalate	0.485	0.566	J	ug/L		117	49 - 243
Di-n-octyl phthalate	0.0971	0.0924	J	ug/L		95	50 - 150
Endosulfan I (Alpha)	0.0971	0.0945	J	ug/L		97	50 - 150
Endosulfan II (Beta)	0.0971	0.102		ug/L		105	50 - 150
Endosulfan sulfate	0.0971	0.114		ug/L		117	50 - 150
Endrin	0.00971	0.0134		ug/L		138	50 - 150
Endrin aldehyde	0.0971	0.108		ug/L		111	50 - 150
EPTC	0.0971	0.111		ug/L		114	50 - 150
Fluoranthene	0.0971	0.104		ug/L		108	50 - 150
Fluorene	0.0485	0.0567		ug/L		117	50 - 150
gamma-Chlordane	0.0243	0.0279	J	ug/L		115	50 - 150
Heptachlor	0.00971	0.0104		ug/L		108	50 - 150
Heptachlor epoxide (isomer B)	0.00971	0.0140		ug/L		144	50 - 150
Hexachlorobenzene	0.0485	0.0539		ug/L		111	50 - 150
Hexachlorocyclopentadiene	0.0485	0.0521		ug/L		107	50 - 150
Indeno[1,2,3-cd]pyrene	0.0485	0.0617		ug/L		127	50 - 150
Isophorone	0.0971	0.131		ug/L		135	50 - 150
Lindane	0.00971	0.0136		ug/L		140	50 - 150
Malathion	0.0971	0.105		ug/L		108	50 - 150
Methoxychlor	0.0485	0.0693		ug/L		143	50 - 150
Metolachlor	0.0485	0.0651		ug/L		134	50 - 150
Molinate	0.0971	0.115		ug/L		119	50 - 150
Naphthalene	0.0971	0.109		ug/L		112	50 - 150
Parathion	0.0971	0.0953	J	ug/L		98	50 - 150
Pendimethalin (Penoxaline)	0.0971	0.0949	J	ug/L		98	50 - 150
Phenanthrene	0.0388	0.0435		ug/L		112	50 - 150
Propachlor	0.0485	0.0639		ug/L		132	50 - 150
Pyrene	0.0485	0.0618		ug/L		127	50 - 150
Simazine	0.0485	0.0648		ug/L		133	50 - 150
Terbacil	0.0971	0.113		ug/L		117	50 - 150
Terbutylazine	0.0971	0.112		ug/L		115	50 - 150
Thiobencarb	0.0971	0.115		ug/L		119	50 - 150
trans-Nonachlor	0.0243	0.0277	J	ug/L		114	50 - 150
Trifluralin	0.0971	0.102		ug/L		105	50 - 150

Surrogate	MRL %Recovery	MRL Qualifier	Limits
2-Nitro-m-xylene	98		70 - 130
Perylene-d12	84		70 - 130

QC Sample Results

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

Job ID: 380-203716-1
SDG: Weekly: Ka'amilo Wells P1

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

Lab Sample ID: MRL 380-215160/22-A
Matrix: Water
Analysis Batch: 215411

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 215160

<i>Surrogate</i>	<i>MRL</i> %Recovery	<i>MRL</i> Qualifier	<i>Limits</i>
Triphenylphosphate	97		70 - 130

Lab Sample ID: 380-203700-I-1-A MS
Matrix: Water
Analysis Batch: 215411

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 215160

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.099		1.98	1.98		ug/L		100	70 - 130
2,4'-DDD	<0.099		1.98	1.95		ug/L		98	70 - 130
2,4'-DDE	<0.099		1.98	2.00		ug/L		101	70 - 130
2,4'-DDT	<0.099		1.98	1.95		ug/L		98	70 - 130
2,4-Dinitrotoluene	<0.099		1.98	1.98		ug/L		100	70 - 130
2,6-Dinitrotoluene	<0.099		1.98	2.04		ug/L		103	70 - 130
2-Methylnaphthalene	<0.099		1.98	2.03		ug/L		102	70 - 130
4,4'-DDD	<0.099		1.98	2.13		ug/L		108	70 - 130
4,4'-DDE	<0.099		1.98	1.86		ug/L		94	70 - 130
4,4'-DDT	<0.099		1.98	2.04		ug/L		103	70 - 130
Acenaphthene	<0.099		1.98	2.05		ug/L		104	70 - 130
Acenaphthylene	<0.099		1.98	2.11		ug/L		106	70 - 130
Acetochlor	<0.099		1.98	2.02		ug/L		102	70 - 130
Alachlor	<0.049		1.98	1.98		ug/L		100	70 - 130
alpha-BHC	<0.099		1.98	2.10		ug/L		106	70 - 130
alpha-Chlordane	<0.049		1.98	2.11		ug/L		106	70 - 130
Anthracene	<0.020	F1	1.98	1.35	F1	ug/L		68	70 - 130
Atrazine	<0.049		1.98	2.08		ug/L		105	70 - 130
Benz(a)anthracene	<0.049		1.98	2.05		ug/L		103	70 - 130
Benzo[a]pyrene	<0.020		1.98	1.84		ug/L		93	70 - 130
Benzo[b]fluoranthene	<0.020		1.98	2.09		ug/L		106	70 - 130
Benzo[g,h,i]perylene	<0.049		1.98	2.00		ug/L		101	70 - 130
Benzo[k]fluoranthene	<0.020		1.98	2.05		ug/L		103	70 - 130
beta-BHC	<0.099		1.98	2.22		ug/L		112	70 - 130
Bis(2-ethylhexyl) phthalate	<0.59		1.98	1.89		ug/L		95	70 - 130
Bromacil	<0.099		1.98	1.92		ug/L		94	70 - 130
Butachlor	<0.049		1.98	2.03		ug/L		102	70 - 130
Butylbenzylphthalate	<0.49		1.98	2.19		ug/L		111	70 - 130
Chlorobenzilate	<0.099		1.98	2.10		ug/L		106	70 - 130
Chloroneb	<0.099		1.98	2.18		ug/L		110	70 - 130
Chlorothalonil (Draconil, Bravo)	<0.099		1.98	2.01		ug/L		101	70 - 130
Chlorpyrifos	<0.049		1.98	2.13		ug/L		108	70 - 130
Chrysene	<0.020		1.98	2.22		ug/L		112	70 - 130
delta-BHC	<0.099		1.98	1.98		ug/L		100	70 - 130
Di(2-ethylhexyl)adipate	<0.59		1.98	2.02		ug/L		102	70 - 130
Dibenz(a,h)anthracene	<0.049		1.98	1.97		ug/L		100	70 - 130
Diclorvos (DDVP)	<0.049		1.98	2.19		ug/L		111	70 - 130
Dieldrin	0.020		1.98	2.17		ug/L		109	70 - 130
Diethylphthalate	<0.49		1.98	2.21		ug/L		112	70 - 130
Dimethylphthalate	<0.49		1.98	2.11		ug/L		106	70 - 130
Di-n-butyl phthalate	<0.99		3.96	4.29		ug/L		108	70 - 130

QC Sample Results

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

Job ID: 380-203716-1
SDG: Weekly: Ka'amilo Wells P1

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

Lab Sample ID: 380-203700-I-1-A MS
Matrix: Water
Analysis Batch: 215411

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 215160

Analyte	Sample	Sample Qualifier	Spike Added	MS	MS Qualifier	Unit	D	%Rec	%Rec Limits
	Result			Result					
Di-n-octyl phthalate	<0.099		1.98	1.73		ug/L		87	70 - 130
Endosulfan I (Alpha)	<0.099		1.98	2.20		ug/L		111	70 - 130
Endosulfan II (Beta)	<0.099		1.98	2.14		ug/L		108	70 - 130
Endosulfan sulfate	<0.099		1.98	2.00		ug/L		101	70 - 130
Endrin	<0.0099		1.98	2.18		ug/L		110	70 - 130
Endrin aldehyde	<0.099		1.98	1.91		ug/L		96	60 - 130
EPTC	<0.099		1.98	2.21		ug/L		111	70 - 130
Fluoranthene	<0.099		1.98	2.01		ug/L		102	70 - 130
Fluorene	<0.049		1.98	2.14		ug/L		108	70 - 130
gamma-Chlordane	<0.049		1.98	2.11		ug/L		106	70 - 130
Heptachlor	<0.0099		1.98	2.06		ug/L		104	70 - 130
Heptachlor epoxide (isomer B)	<0.0099		1.98	2.00		ug/L		100	70 - 130
Hexachlorobenzene	<0.049		1.98	1.96		ug/L		99	70 - 130
Hexachlorocyclopentadiene	<0.049		1.98	1.99		ug/L		101	70 - 130
Indeno[1,2,3-cd]pyrene	<0.049		1.98	1.99		ug/L		100	70 - 130
Isophorone	<0.099		1.98	2.13		ug/L		107	70 - 130
Lindane	<0.0099		1.98	2.23		ug/L		112	70 - 130
Malathion	<0.099		1.98	1.98		ug/L		100	70 - 130
Methoxychlor	<0.049		1.98	2.01		ug/L		101	70 - 130
Metolachlor	<0.049		1.98	2.06		ug/L		104	70 - 130
Molinate	<0.099		1.98	2.24		ug/L		113	70 - 130
Naphthalene	<0.099		1.98	2.01		ug/L		101	70 - 130
Parathion	<0.099		1.98	2.16		ug/L		109	70 - 130
Pendimethalin (Penoxaline)	<0.099		1.98	2.02		ug/L		102	70 - 130
Phenanthrene	<0.040		1.98	2.03		ug/L		103	70 - 130
Propachlor	<0.049		1.98	2.14		ug/L		108	70 - 130
Pyrene	<0.049		1.98	2.02		ug/L		102	70 - 130
Simazine	<0.049		1.98	2.05		ug/L		103	70 - 130
Terbacil	<0.099		1.98	1.79		ug/L		90	70 - 130
Terbutylazine	<0.099		1.98	2.09		ug/L		105	70 - 130
Thiobencarb	<0.099		1.98	2.06		ug/L		104	70 - 130
trans-Nonachlor	<0.049		1.98	1.91		ug/L		96	70 - 130
Trifluralin	<0.099		1.98	1.95		ug/L		98	70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
2-Nitro-m-xylene	99		70 - 130
Perylene-d12	97		70 - 130
Triphenylphosphate	104		70 - 130

Lab Sample ID: 380-203692-I-1-A DU
Matrix: Water
Analysis Batch: 215411

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 215160

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
2,4'-DDT	<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: 380-203716-1
SDG: Weekly: Ka'amilo Wells P1

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

Lab Sample ID: 380-203692-I-1-A DU
Matrix: Water
Analysis Batch: 215411

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 215160

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
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	<0.049		<0.049		ug/L		NC	20
alpha-BHC	<0.097		<0.097		ug/L		NC	20
alpha-Chlordane	<0.049		<0.049		ug/L		NC	20
Anthracene	<0.019		<0.019		ug/L		NC	20
Atrazine	<0.049		<0.049		ug/L		NC	20
Benz(a)anthracene	<0.049		<0.049		ug/L		NC	20
Benzo[a]pyrene	<0.019		<0.019		ug/L		NC	20
Benzo[b]fluoranthene	<0.019		<0.019		ug/L		NC	20
Benzo[g,h,i]perylene	<0.049		<0.049		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	<0.049		<0.049		ug/L		NC	20
Butylbenzylphthalate	<0.49		<0.49		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	<0.049		<0.049		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	<0.049		<0.049		ug/L		NC	20
Diclorvos (DDVP)	<0.049		<0.049		ug/L		NC	20
Dieldrin	0.020		0.0248		ug/L		19	20
Diethylphthalate	<0.49		<0.49		ug/L		NC	20
Dimethylphthalate	<0.49		<0.49		ug/L		NC	20
Di-n-butyl phthalate	<0.97		<0.97		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	<0.049		<0.049		ug/L		NC	20
gamma-Chlordane	<0.049		<0.049		ug/L		NC	20
Heptachlor	<0.0097		<0.0097		ug/L		NC	20
Heptachlor epoxide (isomer B)	<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: 380-203716-1
SDG: Weekly: Ka'amilo Wells P1

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

Lab Sample ID: 380-203692-I-1-A DU
Matrix: Water
Analysis Batch: 215411

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 215160

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Hexachlorobenzene	<0.049		<0.049		ug/L		NC	20
Hexachlorocyclopentadiene	<0.049		<0.049		ug/L		NC	20
Indeno[1,2,3-cd]pyrene	<0.049		<0.049		ug/L		NC	20
Isophorone	<0.097		<0.097		ug/L		NC	20
Lindane	<0.0097		<0.0097		ug/L		NC	20
Malathion	<0.097		<0.097		ug/L		NC	20
Methoxychlor	<0.049		<0.049		ug/L		NC	20
Metolachlor	<0.049		<0.049		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	<0.049		<0.049		ug/L		NC	20
Pyrene	<0.049		<0.049		ug/L		NC	20
Simazine	<0.049		<0.049		ug/L		NC	20
Terbacil	<0.097		<0.097		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	<0.049		<0.049		ug/L		NC	20
Trifluralin	<0.097		<0.097		ug/L		NC	20

Surrogate	DU	DU	Limits
	%Recovery	Qualifier	
2-Nitro-m-xylene	97		70 - 130
Perylene-d12	88		70 - 130
Triphenylphosphate	96		70 - 130

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

Lab Sample ID: MB 570-711400/1-A
Matrix: Water
Analysis Batch: 717625

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 711400

Tentatively Identified Compound	MB	MB	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
	Est. Result	Qualifier							
Tentatively Identified Compound	None		ug/L			N/A	03/18/26 20:50	04/01/26 07:25	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2,4,6-Tribromophenol (Surr)	83		33 - 139	03/18/26 20:50	04/01/26 07:25	1
2-Fluorobiphenyl (Surr)	74		33 - 126	03/18/26 20:50	04/01/26 07:25	1
2-Fluorophenol (Surr)	55		12 - 120	03/18/26 20:50	04/01/26 07:25	1
Nitrobenzene-d5 (Surr)	82		36 - 120	03/18/26 20:50	04/01/26 07:25	1
Phenol-d6 (Surr)	34		10 - 120	03/18/26 20:50	04/01/26 07:25	1
p-Terphenyl-d14 (Surr)	81		47 - 131	03/18/26 20:50	04/01/26 07:25	1

QC Sample Results

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

Job ID: 380-203716-1
SDG: Weekly: Ka'amilo Wells P1

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

Lab Sample ID: MB 570-711400/1-A
Matrix: Water
Analysis Batch: 713394

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 711400

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
1-Methylnaphthalene	<0.20		0.20	ug/L		03/18/26 20:50	03/23/26 14:55	1
2-Methylnaphthalene	<0.20		0.20	ug/L		03/18/26 20:50	03/23/26 14:55	1
Acenaphthene	<0.20		0.20	ug/L		03/18/26 20:50	03/23/26 14:55	1
Acenaphthylene	<0.20		0.20	ug/L		03/18/26 20:50	03/23/26 14:55	1
Anthracene	<0.20		0.20	ug/L		03/18/26 20:50	03/23/26 14:55	1
Benzo[a]anthracene	<0.20		0.20	ug/L		03/18/26 20:50	03/23/26 14:55	1
Benzo[a]pyrene	<0.20		0.20	ug/L		03/18/26 20:50	03/23/26 14:55	1
Benzo[b]fluoranthene	<0.20		0.20	ug/L		03/18/26 20:50	03/23/26 14:55	1
Benzo[g,h,i]perylene	<0.20		0.20	ug/L		03/18/26 20:50	03/23/26 14:55	1
Benzo[k]fluoranthene	<0.20		0.20	ug/L		03/18/26 20:50	03/23/26 14:55	1
Chrysene	<0.20		0.20	ug/L		03/18/26 20:50	03/23/26 14:55	1
Dibenz(a,h)anthracene	<0.20		0.20	ug/L		03/18/26 20:50	03/23/26 14:55	1
Fluoranthene	<0.20		0.20	ug/L		03/18/26 20:50	03/23/26 14:55	1
Fluorene	<0.20		0.20	ug/L		03/18/26 20:50	03/23/26 14:55	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20	ug/L		03/18/26 20:50	03/23/26 14:55	1
Naphthalene	<0.20		0.20	ug/L		03/18/26 20:50	03/23/26 14:55	1
Phenanthrene	<0.20		0.20	ug/L		03/18/26 20:50	03/23/26 14:55	1
Pyrene	<0.20		0.20	ug/L		03/18/26 20:50	03/23/26 14:55	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2,4,6-Tribromophenol (Surr)	81		28 - 127	03/18/26 20:50	03/23/26 14:55	1
2-Fluorobiphenyl (Surr)	80		31 - 120	03/18/26 20:50	03/23/26 14:55	1
2-Fluorophenol (Surr)	50		17 - 120	03/18/26 20:50	03/23/26 14:55	1
Nitrobenzene-d5 (Surr)	79		27 - 120	03/18/26 20:50	03/23/26 14:55	1
Phenol-d6 (Surr)	30		10 - 120	03/18/26 20:50	03/23/26 14:55	1
p-Terphenyl-d14 (Surr)	83		45 - 120	03/18/26 20:50	03/23/26 14:55	1

Lab Sample ID: LCS 570-711400/2-A
Matrix: Water
Analysis Batch: 713394

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 711400

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
1-Methylnaphthalene	20.0	12.1		ug/L		61	47 - 120
2-Methylnaphthalene	20.0	11.2		ug/L		56	43 - 120
Acenaphthene	20.0	14.2		ug/L		71	60 - 132
Acenaphthylene	20.0	14.5		ug/L		73	54 - 126
Anthracene	20.0	15.3		ug/L		77	43 - 120
Benzo[a]anthracene	20.0	15.1		ug/L		75	42 - 133
Benzo[a]pyrene	20.0	14.2		ug/L		71	32 - 148
Benzo[b]fluoranthene	20.0	14.3		ug/L		72	42 - 140
Benzo[g,h,i]perylene	20.0	14.8		ug/L		74	1 - 195
Benzo[k]fluoranthene	20.0	14.2		ug/L		71	25 - 146
Chrysene	20.0	15.0		ug/L		75	44 - 140
Dibenz(a,h)anthracene	20.0	15.9		ug/L		79	1 - 200
Fluoranthene	20.0	15.0		ug/L		75	43 - 121
Fluorene	20.0	14.8		ug/L		74	70 - 120
Indeno[1,2,3-cd]pyrene	20.0	14.6		ug/L		73	1 - 151
Naphthalene	20.0	11.8		ug/L		59	36 - 120

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QC Sample Results

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

Job ID: 380-203716-1
SDG: Weekly: Ka'amilo Wells P1

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

Lab Sample ID: LCS 570-711400/2-A
Matrix: Water
Analysis Batch: 713394

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 711400

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Phenanthrene	20.0	15.1		ug/L		75	65 - 120
Pyrene	20.0	15.5		ug/L		78	70 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	71		28 - 127
2-Fluorobiphenyl (Surr)	71		31 - 120
2-Fluorophenol (Surr)	50		17 - 120
Nitrobenzene-d5 (Surr)	60		27 - 120
Phenol-d6 (Surr)	31		10 - 120
p-Terphenyl-d14 (Surr)	74		45 - 120

Lab Sample ID: LCSD 570-711400/3-A
Matrix: Water
Analysis Batch: 713394

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 711400

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
1-Methylnaphthalene	20.0	12.1		ug/L		61	47 - 120	0	20
2-Methylnaphthalene	20.0	11.3		ug/L		57	43 - 120	1	20
Acenaphthene	20.0	14.3		ug/L		72	60 - 132	1	29
Acenaphthylene	20.0	14.8		ug/L		74	54 - 126	2	45
Anthracene	20.0	15.5		ug/L		77	43 - 120	1	40
Benzo[a]anthracene	20.0	15.4		ug/L		77	42 - 133	3	32
Benzo[a]pyrene	20.0	14.4		ug/L		72	32 - 148	2	43
Benzo[b]fluoranthene	20.0	14.8		ug/L		74	42 - 140	3	43
Benzo[g,h,i]perylene	20.0	15.3		ug/L		76	1 - 195	3	61
Benzo[k]fluoranthene	20.0	14.6		ug/L		73	25 - 146	3	38
Chrysene	20.0	15.2		ug/L		76	44 - 140	1	53
Dibenz(a,h)anthracene	20.0	16.0		ug/L		80	1 - 200	1	75
Fluoranthene	20.0	15.2		ug/L		76	43 - 121	1	40
Fluorene	20.0	14.8		ug/L		74	70 - 120	0	23
Indeno[1,2,3-cd]pyrene	20.0	15.0		ug/L		75	1 - 151	3	60
Naphthalene	20.0	12.0		ug/L		60	36 - 120	2	39
Phenanthrene	20.0	15.3		ug/L		77	65 - 120	2	24
Pyrene	20.0	15.9		ug/L		80	70 - 120	3	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	71		28 - 127
2-Fluorobiphenyl (Surr)	72		31 - 120
2-Fluorophenol (Surr)	50		17 - 120
Nitrobenzene-d5 (Surr)	61		27 - 120
Phenol-d6 (Surr)	31		10 - 120
p-Terphenyl-d14 (Surr)	74		45 - 120

QC Sample Results

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

Job ID: 380-203716-1
SDG: Weekly: Ka'amilo Wells P1

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

Lab Sample ID: 380-203715-A-1-A MS
Matrix: Water
Analysis Batch: 714378

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 711400

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier	Added	Result	Qualifier				
1-Methylnaphthalene	<0.19		19.5	15.2		ug/L		78	36 - 120
2-Methylnaphthalene	<0.19		19.5	15.2		ug/L		78	32 - 124
Acenaphthene	<0.19		19.5	16.6		ug/L		85	47 - 145
Acenaphthylene	<0.19		19.5	16.6		ug/L		85	33 - 145
Anthracene	<0.19		19.5	15.6		ug/L		80	27 - 133
Benzo[a]anthracene	<0.19		19.5	17.1		ug/L		88	33 - 143
Benzo[a]pyrene	<0.19		19.5	18.0		ug/L		92	17 - 163
Benzo[b]fluoranthene	<0.19		19.5	17.0		ug/L		87	24 - 159
Benzo[g,h,i]perylene	<0.19		19.5	16.0		ug/L		82	1 - 219
Benzo[k]fluoranthene	<0.19		19.5	16.4		ug/L		84	11 - 162
Chrysene	<0.19		19.5	16.9		ug/L		86	17 - 168
Dibenz(a,h)anthracene	<0.19		19.5	18.7		ug/L		96	1 - 227
Fluoranthene	<0.19		19.5	17.0		ug/L		87	26 - 137
Fluorene	<0.19		19.5	16.9		ug/L		87	59 - 121
Indeno[1,2,3-cd]pyrene	<0.19		19.5	18.5		ug/L		95	1 - 171
Naphthalene	<0.19		19.5	15.1		ug/L		77	21 - 133
Phenanthrene	<0.19		19.5	16.4		ug/L		84	54 - 120
Pyrene	<0.19		19.5	17.3		ug/L		89	52 - 120

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol (Surr)	96		28 - 127
2-Fluorobiphenyl (Surr)	83		31 - 120
2-Fluorophenol (Surr)	59		17 - 120
Nitrobenzene-d5 (Surr)	90		27 - 120
Phenol-d6 (Surr)	35		10 - 120
p-Terphenyl-d14 (Surr)	86		45 - 120

Lab Sample ID: 380-203715-A-1-B MSD
Matrix: Water
Analysis Batch: 714378

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 711400

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
	Result	Qualifier	Added	Result	Qualifier						
1-Methylnaphthalene	<0.19		19.4	14.6		ug/L		75	36 - 120	3	30
2-Methylnaphthalene	<0.19		19.4	14.6		ug/L		75	32 - 124	4	30
Acenaphthene	<0.19		19.4	17.8		ug/L		92	47 - 145	7	48
Acenaphthylene	<0.19		19.4	18.2		ug/L		94	33 - 145	9	74
Anthracene	<0.19		19.4	17.2		ug/L		89	27 - 133	10	66
Benzo[a]anthracene	<0.19		19.4	19.0		ug/L		98	33 - 143	11	53
Benzo[a]pyrene	<0.19		19.4	20.4		ug/L		105	17 - 163	12	72
Benzo[b]fluoranthene	<0.19		19.4	19.2		ug/L		99	24 - 159	12	71
Benzo[g,h,i]perylene	<0.19		19.4	17.1		ug/L		88	1 - 219	7	97
Benzo[k]fluoranthene	<0.19		19.4	18.0		ug/L		93	11 - 162	9	63
Chrysene	<0.19		19.4	18.3		ug/L		95	17 - 168	8	87
Dibenz(a,h)anthracene	<0.19		19.4	20.4		ug/L		105	1 - 227	9	126
Fluoranthene	<0.19		19.4	18.3		ug/L		94	26 - 137	7	66
Fluorene	<0.19		19.4	18.1		ug/L		93	59 - 121	7	38
Indeno[1,2,3-cd]pyrene	<0.19		19.4	19.9		ug/L		102	1 - 171	7	99
Naphthalene	<0.19		19.4	14.5		ug/L		75	21 - 133	4	65

Eurofins Pomona

QC Sample Results

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

Job ID: 380-203716-1
SDG: Weekly: Ka'amilo Wells P1

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

Lab Sample ID: 380-203715-A-1-B MSD
Matrix: Water
Analysis Batch: 714378

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 711400

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phenanthrene	<0.19		19.4	17.7		ug/L		91	54 - 120	7	39
Pyrene	<0.19		19.4	19.3		ug/L		100	52 - 120	11	49
MSD MSD											
Surrogate	%Recovery	Qualifier	Limits								
2,4,6-Tribromophenol (Surr)	104		28 - 127								
2-Fluorobiphenyl (Surr)	89		31 - 120								
2-Fluorophenol (Surr)	65		17 - 120								
Nitrobenzene-d5 (Surr)	89		27 - 120								
Phenol-d6 (Surr)	39		10 - 120								
p-Terphenyl-d14 (Surr)	95		45 - 120								

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

Lab Sample ID: MB 570-715724/6
Matrix: Water
Analysis Batch: 715724

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac			
GRO (C6-C10)	<10		10	ug/L			03/27/26 12:25	1			
MB MB											
Surrogate	%Recovery	Qualifier	Limits						Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		38 - 134						03/27/26 12:25	1	

Lab Sample ID: LCS 570-715724/3
Matrix: Water
Analysis Batch: 715724

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (C4-C13)	400	420		ug/L		105	78 - 120		
LCS LCS									
Surrogate	%Recovery	Qualifier	Limits						
4-Bromofluorobenzene (Surr)	88		38 - 134						

Lab Sample ID: LCSD 570-715724/4
Matrix: Water
Analysis Batch: 715724

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	417		ug/L		104	78 - 120	1	10
LCSD LCSD									
Surrogate	%Recovery	Qualifier	Limits						
4-Bromofluorobenzene (Surr)	87		38 - 134						

QC Sample Results

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

Job ID: 380-203716-1
SDG: Weekly: Ka'amilo Wells P1

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

Lab Sample ID: MRL 570-715724/5
Matrix: Water
Analysis Batch: 715724

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	7.90	J	ug/L		79	50 - 150
Surrogate		MRL %Recovery	MRL Qualifier				Limits
4-Bromofluorobenzene (Surr)		88					38 - 134

Lab Sample ID: 380-203715-B-1 MS
Matrix: Water
Analysis Batch: 715724

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	416		ug/L		104	68 - 122
Surrogate		MS %Recovery		MS Qualifier					Limits
4-Bromofluorobenzene (Surr)		87							38 - 134

Lab Sample ID: 380-203715-B-1 MSD
Matrix: Water
Analysis Batch: 715724

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	413		ug/L		103	68 - 122	1	18
Surrogate		MSD %Recovery		MSD Qualifier					Limits		
4-Bromofluorobenzene (Surr)		88							38 - 134		

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

Lab Sample ID: MB 570-712308/1-A
Matrix: Water
Analysis Batch: 716423

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 712308

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<25		25	ug/L		03/20/26 11:44	03/29/26 17:04	1
Motor Oil Range Organics [C24-C36]	<25		25	ug/L		03/20/26 11:44	03/29/26 17:04	1
C8-C18	<25		25	ug/L		03/20/26 11:44	03/29/26 17:04	1
Surrogate		MB %Recovery	MB Qualifier			Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)		115				03/20/26 11:44	03/29/26 17:04	1

Lab Sample ID: LCS 570-712308/2-A
Matrix: Water
Analysis Batch: 716423

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 712308

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
C10-C28	1600	1520		ug/L		95	56 - 127

Eurofins Pomona

QC Sample Results

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

Job ID: 380-203716-1
 SDG: Weekly: Ka'amilo Wells P1

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

Lab Sample ID: LCS 570-712308/2-A
Matrix: Water
Analysis Batch: 716423

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 712308

	LCS %Recovery	LCS Qualifier	Limits
<i>n-Octacosane (Surr)</i>	122		60 - 130

Lab Sample ID: LCSD 570-712308/3-A
Matrix: Water
Analysis Batch: 716423

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 712308

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit		
C10-C28	1600	1570		ug/L		98	56 - 127	4	23		

	LCSD %Recovery	LCSD Qualifier	Limits
<i>n-Octacosane (Surr)</i>	125		60 - 130

Lab Sample ID: MRL 570-712308/4-A
Matrix: Water
Analysis Batch: 716423

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 712308

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C28	0.0200	0.0238	J	mg/L		119	50 - 150		

	MRL %Recovery	MRL Qualifier	Limits
<i>n-Octacosane (Surr)</i>	110		60 - 130

Lab Sample ID: 380-203715-C-1-A MS
Matrix: Water
Analysis Batch: 716423

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 712308

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
C10-C28	<26		1650	1400		ug/L		85	70 - 130

	MS %Recovery	MS Qualifier	Limits
<i>n-Octacosane (Surr)</i>	106		60 - 130

Lab Sample ID: 380-203715-C-1-B MSD
Matrix: Water
Analysis Batch: 716423

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 712308

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
C10-C28	<26		1690	1520		ug/L		90	70 - 130	9	20

	MSD %Recovery	MSD Qualifier	Limits
<i>n-Octacosane (Surr)</i>	119		60 - 130

QC Association Summary

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

Job ID: 380-203716-1
SDG: Weekly: Ka'amilo Wells P1

GC/MS Semi VOA

Prep Batch: 215160

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-203716-1	Ka'amilo Wells P1 (331-031-WL008)	Total/NA	Water	525.2	
MB 380-215160/21-A	Method Blank	Total/NA	Water	525.2	
LCS 380-215160/23-A	Lab Control Sample	Total/NA	Water	525.2	
LCSD 380-215160/24-A	Lab Control Sample Dup	Total/NA	Water	525.2	
MRL 380-215160/22-A	Lab Control Sample	Total/NA	Water	525.2	
380-203700-I-1-A MS	Matrix Spike	Total/NA	Water	525.2	
380-203692-I-1-A DU	Duplicate	Total/NA	Water	525.2	

Analysis Batch: 215411

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-203716-1	Ka'amilo Wells P1 (331-031-WL008)	Total/NA	Water	525.2	215160
MB 380-215160/21-A	Method Blank	Total/NA	Water	525.2	215160
LCS 380-215160/23-A	Lab Control Sample	Total/NA	Water	525.2	215160
LCSD 380-215160/24-A	Lab Control Sample Dup	Total/NA	Water	525.2	215160
MRL 380-215160/22-A	Lab Control Sample	Total/NA	Water	525.2	215160
380-203700-I-1-A MS	Matrix Spike	Total/NA	Water	525.2	215160
380-203692-I-1-A DU	Duplicate	Total/NA	Water	525.2	215160

Prep Batch: 711400

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-203716-1	Ka'amilo Wells P1 (331-031-WL008)	Total/NA	Water	625.1	
MB 570-711400/1-A	Method Blank	Total/NA	Water	625.1	
LCS 570-711400/2-A	Lab Control Sample	Total/NA	Water	625.1	
LCSD 570-711400/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	
380-203715-A-1-A MS	Matrix Spike	Total/NA	Water	625.1	
380-203715-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	625.1	

Analysis Batch: 713394

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-711400/1-A	Method Blank	Total/NA	Water	625.1 SIM	711400
LCS 570-711400/2-A	Lab Control Sample	Total/NA	Water	625.1 SIM	711400
LCSD 570-711400/3-A	Lab Control Sample Dup	Total/NA	Water	625.1 SIM	711400

Analysis Batch: 714378

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-203716-1	Ka'amilo Wells P1 (331-031-WL008)	Total/NA	Water	625.1 SIM	711400
380-203715-A-1-A MS	Matrix Spike	Total/NA	Water	625.1 SIM	711400
380-203715-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	625.1 SIM	711400

Analysis Batch: 717625

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-203716-1	Ka'amilo Wells P1 (331-031-WL008)	Total/NA	Water	625.1	711400
MB 570-711400/1-A	Method Blank	Total/NA	Water	625.1	711400

GC VOA

Analysis Batch: 715724

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-203716-1	Ka'amilo Wells P1 (331-031-WL008)	Total/NA	Water	8015B GRO LL	
380-203716-2	TB: Ka'amilo Wells P1 (331-031-WL008)	Total/NA	Water	8015B GRO LL	
MB 570-715724/6	Method Blank	Total/NA	Water	8015B GRO LL	

Eurofins Pomona

QC Association Summary

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

Job ID: 380-203716-1
SDG: Weekly: Ka'amilo Wells P1

GC VOA (Continued)

Analysis Batch: 715724 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 570-715724/3	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-715724/4	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-715724/5	Lab Control Sample	Total/NA	Water	8015B GRO LL	
380-203715-B-1 MS	Matrix Spike	Total/NA	Water	8015B GRO LL	
380-203715-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B GRO LL	

GC Semi VOA

Prep Batch: 712308

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-203716-1	Ka'amilo Wells P1 (331-031-WL008)	Total/NA	Water	3510C	
MB 570-712308/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-712308/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-712308/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MRL 570-712308/4-A	Lab Control Sample	Total/NA	Water	3510C	
380-203715-C-1-A MS	Matrix Spike	Total/NA	Water	3510C	
380-203715-C-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	

Analysis Batch: 716423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-203716-1	Ka'amilo Wells P1 (331-031-WL008)	Total/NA	Water	8015B	712308
MB 570-712308/1-A	Method Blank	Total/NA	Water	8015B	712308
LCS 570-712308/2-A	Lab Control Sample	Total/NA	Water	8015B	712308
LCSD 570-712308/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	712308
MRL 570-712308/4-A	Lab Control Sample	Total/NA	Water	8015B	712308
380-203715-C-1-A MS	Matrix Spike	Total/NA	Water	8015B	712308
380-203715-C-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	8015B	712308

Lab Chronicle

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

Job ID: 380-203716-1
 SDG: Weekly: Ka'amilo Wells P1

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

Lab Sample ID: 380-203716-1

Date Collected: 03/16/26 12:09

Matrix: Water

Date Received: 03/18/26 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	525.2			215160	KRD3	EA POM	03/23/26 11:17
Total/NA	Analysis	525.2		1	215411	UPAC	EA POM	03/24/26 16:20
Total/NA	Prep	625.1			711400	BN8X	EET CAL 4	03/18/26 20:50
Total/NA	Analysis	625.1		1	717625	J7WE	EET CAL 4	04/01/26 04:08
Total/NA	Prep	625.1			711400	BN8X	EET CAL 4	03/18/26 20:50
Total/NA	Analysis	625.1 SIM		1	714378	PQS1	EET CAL 4	03/25/26 11:53
Total/NA	Analysis	8015B GRO LL		1	715724	A9VE	EET CAL 4	03/27/26 20:15
Total/NA	Prep	3510C			712308	EP2G	EET CAL 4	03/20/26 11:45
Total/NA	Analysis	8015B		1	716423	H6FE	EET CAL 4	03/29/26 20:17

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

Lab Sample ID: 380-203716-2

Date Collected: 03/16/26 12:09

Matrix: Water

Date Received: 03/18/26 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015B GRO LL		1	715724	A9VE	EET CAL 4	03/27/26 15:25

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: 380-203716-1
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 *
<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: 380-203716-1
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	07-31-26
Kansas	NELAP	E-10420	07-31-26
Nevada	State	CA00111	07-31-26
Oregon	NELAP	4175	02-02-27
USDA	US Federal Programs	525-23-159-97150	06-08-26
Utah	NELAP	CA00111	02-28-27
Washington	State	C916	10-12-26

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Method Summary

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

Job ID: 380-203716-1
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: 380-203716-1
SDG: Weekly: Ka'amilo Wells P1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	PWSID Number
380-203716-1	Ka'amilo Wells P1 (331-031-WL008)	Water	03/16/26 12:09	03/18/26 10:20	HI0000331
380-203716-2	TB: Ka'amilo Wells P1 (331-031-WL008)	Water	03/16/26 12:09	03/18/26 10:20	

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

SHIP DATE: 17MAR26
ACTWGT 58.00 LB
CAD 258050552/INET4535
BILL RECIPIENT

58KJ57/AES/484B

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

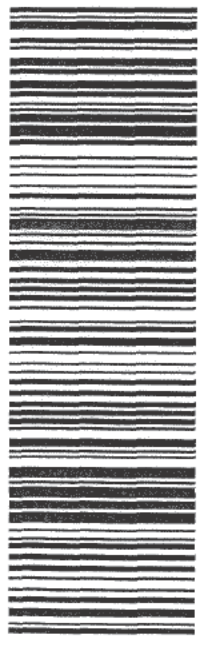
POMONA CA 91768 REF:
(626) 386-1100



DEPT:



WED - 18 MAR 10:30A
PRIORITY OVERNIGHT
MPS# 8897 1066 7713
Mst# 8897 1066 7702
WM ONTA
CA-US ONT
91768



(P31A) 1.2+0.2 = 1.4 g of frozen
Markkurtation 3/18/26 1026

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



Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-203716-1
SDG Number: Weekly: Ka'amilo Wells P1

Login Number: 203716

List Number: 1

Creator: Hernandez, Orlando

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").	N/A	
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: 380-203716-1
SDG Number: Weekly: Ka'amilo Wells P1

Login Number: 203716
List Number: 2
Creator: Ferreira, Bruno

List Source: Eurofins Calscience
List Creation: 03/18/26 07:52 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	Seal present with no number.
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	3
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	