

ANALYTICAL REPORT

PREPARED FOR

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

Generated 10/30/2025 4:14:46 PM

JOB DESCRIPTION

RED-HILL
Quarterly: Ka'amilo Wells P1

JOB NUMBER

380-177079-1

Eurofins Eaton Analytical Pomona

Job Notes

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

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

Compliance Statement

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

Authorization



Authorized for release by
Maria Lopez, Project Manager
Maria.Lopez@et.eurofinsus.com
(626)386-1100

Generated
10/30/2025 4:14:46 PM



Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	6
Detection Summary	8
Client Sample Results	9
Action Limit Summary	18
Surrogate Summary	21
QC Sample Results	24
QC Association Summary	74
Lab Chronicle	80
Certification Summary	82
Method Summary	84
Sample Summary	85
Chain of Custody	86
Receipt Checklists	95

Definitions/Glossary

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS VOA TICs

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

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA TICs

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

GC VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.

GC Semi VOA

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

HPLC/IC

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.

Metals

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

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.
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)

Definitions/Glossary

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

Glossary (Continued)

Abbreviation **These commonly used abbreviations may or may not be present in this report.**

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: 380-177079-1

Job ID: 380-177079-1

Eurofins Eaton Analytical Pomona

Job Narrative 380-177079-1

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 10/15/2025 10:27 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 4.3°C.

GC/MS VOA

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

GC/MS Semi VOA

Method 625.1_SIM: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 570-642969 and analytical batch 570-646236 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

Method 625.1_SIM: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for preparation batch 570-642969 and analytical batch 570-646236 recovered outside control limits for the following analyte(s): 3-Nitroaniline, 4-Chloroaniline, 4-Nitroaniline, Aniline, Benzidine and N-Nitrosodiphenylamine. 3-Nitroaniline, 4-Chloroaniline, 4-Nitroaniline, Aniline, Benzidine and N-Nitrosodiphenylamine have been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

Method 625.1_SIM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 570-642969 and analytical batch 570-646236 recovered outside control limits for the following analytes: 2-Nitroaniline, 3-Nitroaniline, 4-Chloroaniline, 4-Nitroaniline, Aniline, Benzidine and N-Nitrosodiphenylamine.

Method 625.1_SIM: The matrix spike/matrix spike duplicate (MS/MSD) for preparation batch 570-642969 and analytical batch 570-646236 exceeded control limits for the following analyte(s): 3-Nitroaniline, 4-Chloroaniline, Aniline and Benzidine, Note that this analyte is a known poor performer when analyzed using this method.

Method 625.1_SIM: Insufficient sample volume to perform a re-extract for matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-642969 and analytical batch 570-646236.

Method 525.2_PREC: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 380-180266 and analytical batch 380-180478 were below control limits for Anthracene. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Gasoline Range Organics

Method 8015B_GRO_LL: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 570-646066 recovered outside control limits for the following analyte: Gasoline Range Organics (C4-C13). Laboratory control sample / laboratory control sample duplicate (LCS/LCSD) percent recovery is in control for affected analyte.

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

Diesel Range Organics

Eurofins Eaton Analytical Pomona

Case Narrative

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

Job ID: 380-177079-1

Job ID: 380-177079-1 (Continued)

Eurofins Eaton Analytical Pomona

Method 8015B_DRO_LL_CS: The method reporting limit check (MRL) for preparation batch 570-642248 and analytical batch 570-646397 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.

GC Semi VOA

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

Hydrocarbons

Method 8015B_DAI: The method reporting limit check (MRL) for analytical batch 570-643985 recovered outside control limits for the following analytes: Ethanol. This analyte was biased high in the MRL and was not detected in the associated samples; therefore, the data have been reported. Ka'amilo Wells P1 (380-177079-1).

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

Pesticides/PCBs

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

HPLC/IC

Method 300_OF_48H_PREC: The following sample was diluted for Nitrite as N to prevent detector saturation due to high conductivity: Ka'amilo Wells P1 (380-177079-1). Elevated reporting limits (RLs) are provided.

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

Metals

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

General Chemistry

Method SM4500_S2_D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for analytical batch 380-180853 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Detection Summary

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

Job ID: 380-177079-1
 SDG: Quarterly: Ka'amilo Wells P1

Client Sample ID: Ka'amilo Wells P1

Lab Sample ID: 380-177079-1

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin	0.064		0.0098	ug/L	1		525.2	Total/NA
Heptachlor epoxide (isomer B)	0.013		0.0098	ug/L	1		525.2	Total/NA
Chlordane (n.o.s.)	0.37		0.10	ug/L	1		505	Total/NA
Bromide	440		25	ug/L	5		300.0	Total/NA
Chloride	120		2.5	mg/L	5		300.0	Total/NA
Nitrate as N	2.1		0.25	mg/L	5		300.0	Total/NA
Sulfate	28		1.3	mg/L	5		300.0	Total/NA
Calcium	20		0.10	mg/L	1		200.7 Rev 4.4	Total/NA
Magnesium	20		0.10	mg/L	1		200.7 Rev 4.4	Total/NA
Potassium	3.0		0.10	mg/L	1		200.7 Rev 4.4	Total/NA
Sodium	64		0.10	mg/L	1		200.7 Rev 4.4	Total/NA
Chromium	1.8		0.90	ug/L	1		200.8	Total/NA
Copper	1.0		1.0	ug/L	1		200.8	Total/NA
Selenium	3.7		2.0	ug/L	1		200.8	Total/NA
Alkalinity	80		4.0	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	80		4.0	mg/L	1		SM 2320B	Total/NA
Specific Conductance	610		2.0	umhos/cm	1		SM 2510B	Total/NA
Total Dissolved Solids	360		20	mg/L	1		SM 2540C	Total/NA
Fluoride	0.062		0.050	mg/L	1		SM 4500 F C	Total/NA
pH	7.7	HF		SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: TB: Ka'amilo Wells P1

Lab Sample ID: 380-177079-2

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Acetone	580		500	ug/L	1		524.2	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Eaton Analytical Pomona

Client Sample Results

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

Client Sample ID: Ka'amilo Wells P1

Lab Sample ID: 380-177079-1

Date Collected: 10/14/25 10:04

Matrix: Water

Date Received: 10/15/25 10:27

Method: EPA-DW 524.2 - Total Trihalomethanes

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Trihalomethanes, Total	<0.50		0.50	ug/L			10/17/25 13:44	1

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.50		0.50	ug/L			10/17/25 13:44	1
1,1,1-Trichloroethane	<0.50		0.50	ug/L			10/17/25 06:48	1
1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L			10/17/25 06:48	1
1,1,2-Trichloroethane	<0.50		0.50	ug/L			10/17/25 13:44	1
Tertiary Butyl Alcohol (TBA)	<2.0		2.0	ug/L			10/17/25 06:48	1
1,1-Dichloroethylene	<0.50		0.50	ug/L			10/17/25 06:48	1
1,1-Dichloroethane	<0.50		0.50	ug/L			10/17/25 06:48	1
1,1-Dichloropropene	<0.50		0.50	ug/L			10/17/25 13:44	1
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L			10/17/25 06:48	1
1,2,3-Trichloropropane	<0.50		0.50	ug/L			10/17/25 06:48	1
1,2,4-Trichlorobenzene	<0.50		0.50	ug/L			10/17/25 06:48	1
1,2,4-Trimethylbenzene	<0.50		0.50	ug/L			10/17/25 06:48	1
1,2-Dichloroethane	<0.50		0.50	ug/L			10/17/25 06:48	1
1,2-Dichloropropane	<0.50		0.50	ug/L			10/17/25 06:48	1
1,3,5-Trimethylbenzene	<0.50		0.50	ug/L			10/17/25 06:48	1
1,3-Dichloropropane	<0.50		0.50	ug/L			10/17/25 06:48	1
1,3-Dichloropropene, Total	<0.50		0.50	ug/L			10/17/25 13:44	1
2,2-Dichloropropane	<0.50		0.50	ug/L			10/17/25 13:44	1
2-Butanone (MEK)	<5.0		5.0	ug/L			10/17/25 06:48	1
4-Methyl-2-pentanone (MIBK)	<5.0		5.0	ug/L			10/17/25 06:48	1
Acetone	<500		500	ug/L			10/17/25 06:48	1
Benzene	<0.50		0.50	ug/L			10/17/25 06:48	1
Bromobenzene	<0.50		0.50	ug/L			10/17/25 06:48	1
Bromochloromethane	<0.50		0.50	ug/L			10/17/25 06:48	1
Bromodichloromethane	<0.50		0.50	ug/L			10/17/25 06:48	1
Bromoethane	<0.50		0.50	ug/L			10/17/25 06:48	1
Bromoform	<0.50		0.50	ug/L			10/17/25 06:48	1
Bromomethane (Methyl Bromide)	<0.50		0.50	ug/L			10/17/25 06:48	1
Carbon disulfide	<0.50		0.50	ug/L			10/17/25 13:44	1
Carbon tetrachloride	<0.50	+	0.50	ug/L			10/17/25 13:44	1
Chlorobenzene	<0.50		0.50	ug/L			10/17/25 06:48	1
Chlorodibromomethane	<0.50		0.50	ug/L			10/17/25 13:44	1
Chloroethane	<0.50		0.50	ug/L			10/17/25 13:44	1
Chloroform (Trichloromethane)	<0.50		0.50	ug/L			10/17/25 13:44	1
Chloromethane (methyl chloride)	<0.50		0.50	ug/L			10/17/25 13:44	1
cis-1,2-Dichloroethylene	<0.50		0.50	ug/L			10/17/25 06:48	1
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			10/17/25 13:44	1
Dibromomethane	<0.50		0.50	ug/L			10/17/25 13:44	1
Dichlorodifluoromethane	<0.50		0.50	ug/L			10/17/25 13:44	1
Dichloromethane	<0.50		0.50	ug/L			10/17/25 06:48	1
Diisopropyl ether	<3.0		3.0	ug/L			10/17/25 06:48	1
Ethylbenzene	<0.50		0.50	ug/L			10/17/25 06:48	1
Hexachlorobutadiene	<0.50		0.50	ug/L			10/17/25 06:48	1
Isopropylbenzene	<0.50		0.50	ug/L			10/17/25 06:48	1
m,p-Xylenes	<0.50		0.50	ug/L			10/17/25 06:48	1
m-Dichlorobenzene (1,3-DCB)	<0.50		0.50	ug/L			10/17/25 06:48	1

Client Sample Results

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

Client Sample ID: Ka'amilo Wells P1

Lab Sample ID: 380-177079-1

Date Collected: 10/14/25 10:04

Matrix: Water

Date Received: 10/15/25 10:27

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-tert-butyl Ether (MTBE)	<0.50		0.50	ug/L			10/17/25 06:48	1
Naphthalene	<0.50		0.50	ug/L			10/17/25 06:48	1
n-Butylbenzene	<0.50		0.50	ug/L			10/17/25 06:48	1
N-Propylbenzene	<0.50		0.50	ug/L			10/17/25 06:48	1
o-Chlorotoluene	<0.50		0.50	ug/L			10/17/25 06:48	1
o-Dichlorobenzene (1,2-DCB)	<0.50		0.50	ug/L			10/17/25 06:48	1
o-Xylene	<0.50		0.50	ug/L			10/17/25 06:48	1
p-Chlorotoluene	<0.50		0.50	ug/L			10/17/25 06:48	1
p-Dichlorobenzene (1,4-DCB)	<0.50		0.50	ug/L			10/17/25 06:48	1
p-Isopropyltoluene	<0.50		0.50	ug/L			10/17/25 06:48	1
sec-Butylbenzene	<0.50		0.50	ug/L			10/17/25 06:48	1
Styrene	<0.50		0.50	ug/L			10/17/25 06:48	1
Tert-amyl methyl ether	<3.0		3.0	ug/L			10/17/25 06:48	1
Tert-butyl ethyl ether	<3.0		3.0	ug/L			10/17/25 06:48	1
tert-Butylbenzene	<0.50		0.50	ug/L			10/17/25 06:48	1
Tetrachloroethene (PCE)	<0.50		0.50	ug/L			10/17/25 06:48	1
Toluene	<0.50		0.50	ug/L			10/17/25 06:48	1
trans-1,2-Dichloroethylene	<0.50		0.50	ug/L			10/17/25 06:48	1
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			10/17/25 13:44	1
Trichloroethylene (TCE)	<0.50		0.50	ug/L			10/17/25 06:48	1
Trichlorofluoromethane (Freon 11)	<0.50		0.50	ug/L			10/17/25 06:48	1
Trichlorotrifluoroethane	<0.50		0.50	ug/L			10/17/25 06:48	1
Vinyl Chloride (VC)	<0.30		0.30	ug/L			10/17/25 06:48	1
Xylenes, Total	<0.50		0.50	ug/L			10/17/25 06:48	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A		10/17/25 06:48	1
Tentatively Identified Compound	None		ug/L			N/A		10/17/25 13:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		70 - 130		10/17/25 06:48	1
1,2-Dichloroethane-d4 (Surr)	97		70 - 130		10/17/25 13:44	1
4-Bromofluorobenzene (Surr)	102		70 - 130		10/17/25 06:48	1
4-Bromofluorobenzene (Surr)	98		70 - 130		10/17/25 13:44	1
Toluene-d8 (Surr)	89		70 - 130		10/17/25 06:48	1
Toluene-d8 (Surr)	100		70 - 130		10/17/25 13:44	1
1,2-Dichloroethane-d4 (Surr)	97		70 - 130		10/17/25 06:48	1
1,2-Dichloroethane-d4 (Surr)	97		70 - 130		10/17/25 13:44	1
4-Bromofluorobenzene (Surr)	102		70 - 130		10/17/25 06:48	1
4-Bromofluorobenzene (Surr)	98		70 - 130		10/17/25 13:44	1
Toluene-d8 (Surr)	89		70 - 130		10/17/25 06:48	1
Toluene-d8 (Surr)	100		70 - 130		10/17/25 13:44	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2,4'-DDD	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 14:09	1
2,4'-DDE	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 14:09	1
2,4'-DDT	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 14:09	1
2,4-Dinitrotoluene	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 14:09	1
2,6-Dinitrotoluene	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 14:09	1

Eurofins Eaton Analytical Pomona

Client Sample Results

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

Client Sample ID: Ka'amilo Wells P1

Lab Sample ID: 380-177079-1

Date Collected: 10/14/25 10:04

Matrix: Water

Date Received: 10/15/25 10:27

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 14:09	1
4,4'-DDE	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 14:09	1
4,4'-DDT	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 14:09	1
Acenaphthene	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 14:09	1
Acenaphthylene	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 14:09	1
Acetochlor	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 14:09	1
Alachlor	<0.049		0.049	ug/L		10/16/25 13:27	10/17/25 14:09	1
alpha-BHC	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 14:09	1
alpha-Chlordane	<0.049		0.049	ug/L		10/16/25 13:27	10/17/25 14:09	1
Anthracene	<0.020	F1	0.020	ug/L		10/16/25 13:27	10/17/25 14:09	1
Atrazine	<0.049		0.049	ug/L		10/16/25 13:27	10/17/25 14:09	1
Benz(a)anthracene	<0.049		0.049	ug/L		10/16/25 13:27	10/17/25 14:09	1
Benzo[a]pyrene	<0.020		0.020	ug/L		10/16/25 13:27	10/17/25 14:09	1
Benzo[b]fluoranthene	<0.020		0.020	ug/L		10/16/25 13:27	10/17/25 14:09	1
Benzo[g,h,i]perylene	<0.049		0.049	ug/L		10/16/25 13:27	10/17/25 14:09	1
Benzo[k]fluoranthene	<0.020		0.020	ug/L		10/16/25 13:27	10/17/25 14:09	1
beta-BHC	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 14:09	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59	ug/L		10/16/25 13:27	10/17/25 14:09	1
Aldrin	<0.0098		0.0098	ug/L		10/16/25 13:27	10/17/25 14:09	1
Bromacil	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 14:09	1
Butachlor	<0.049		0.049	ug/L		10/16/25 13:27	10/17/25 14:09	1
Butylbenzylphthalate	<0.49		0.49	ug/L		10/16/25 13:27	10/17/25 14:09	1
Chlorobenzilate	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 14:09	1
Chloroneb	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 14:09	1
Chlorothalonil (Draconil, Bravo)	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 14:09	1
Chlorpyrifos	<0.049		0.049	ug/L		10/16/25 13:27	10/17/25 14:09	1
Chrysene	<0.020		0.020	ug/L		10/16/25 13:27	10/17/25 14:09	1
delta-BHC	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 14:09	1
Di(2-ethylhexyl)adipate	<0.59		0.59	ug/L		10/16/25 13:27	10/17/25 14:09	1
Dibenz(a,h)anthracene	<0.049		0.049	ug/L		10/16/25 13:27	10/17/25 14:09	1
Diclorvos (DDVP)	<0.049		0.049	ug/L		10/16/25 13:27	10/17/25 14:09	1
Dieldrin	0.064		0.0098	ug/L		10/16/25 13:27	10/17/25 14:09	1
Diethylphthalate	<0.49		0.49	ug/L		10/16/25 13:27	10/17/25 14:09	1
Dimethylphthalate	<0.49		0.49	ug/L		10/16/25 13:27	10/17/25 14:09	1
Di-n-butyl phthalate	<0.98		0.98	ug/L		10/16/25 13:27	10/17/25 14:09	1
Di-n-octyl phthalate	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 14:09	1
Endosulfan I (Alpha)	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 14:09	1
Endosulfan II (Beta)	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 14:09	1
Endosulfan sulfate	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 14:09	1
Endrin	<0.0098		0.0098	ug/L		10/16/25 13:27	10/17/25 14:09	1
Endrin aldehyde	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 14:09	1
EPTC	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 14:09	1
Fluoranthene	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 14:09	1
Fluorene	<0.049		0.049	ug/L		10/16/25 13:27	10/17/25 14:09	1
gamma-BHC (Lindane)	<0.0098		0.0098	ug/L		10/16/25 13:27	10/17/25 14:09	1
gamma-Chlordane	<0.049		0.049	ug/L		10/16/25 13:27	10/17/25 14:09	1
Heptachlor	<0.0098		0.0098	ug/L		10/16/25 13:27	10/17/25 14:09	1
Heptachlor epoxide (isomer B)	0.013		0.0098	ug/L		10/16/25 13:27	10/17/25 14:09	1
Hexachlorobenzene	<0.049		0.049	ug/L		10/16/25 13:27	10/17/25 14:09	1

Client Sample Results

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

Client Sample ID: Ka'amilo Wells P1

Lab Sample ID: 380-177079-1

Date Collected: 10/14/25 10:04

Matrix: Water

Date Received: 10/15/25 10:27

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	<0.049		0.049	ug/L		10/16/25 13:27	10/17/25 14:09	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049	ug/L		10/16/25 13:27	10/17/25 14:09	1
Isophorone	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 14:09	1
Malathion	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 14:09	1
Methoxychlor	<0.049		0.049	ug/L		10/16/25 13:27	10/17/25 14:09	1
Metolachlor	<0.049		0.049	ug/L		10/16/25 13:27	10/17/25 14:09	1
Molinate	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 14:09	1
Naphthalene	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 14:09	1
Parathion	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 14:09	1
Pendimethalin (Penoxaline)	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 14:09	1
Phenanthrene	<0.039		0.039	ug/L		10/16/25 13:27	10/17/25 14:09	1
Propachlor	<0.049		0.049	ug/L		10/16/25 13:27	10/17/25 14:09	1
Pyrene	<0.049		0.049	ug/L		10/16/25 13:27	10/17/25 14:09	1
Simazine	<0.049		0.049	ug/L		10/16/25 13:27	10/17/25 14:09	1
Terbacil	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 14:09	1
Terbutylazine	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 14:09	1
Thiobencarb	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 14:09	1
Total Permethrin (mixed isomers)	<0.20		0.20	ug/L		10/16/25 13:27	10/17/25 14:09	1
trans-Nonachlor	<0.049		0.049	ug/L		10/16/25 13:27	10/17/25 14:09	1
Trifluralin	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 14:09	1
1-Methylnaphthalene	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 14:09	1
2-Methylnaphthalene	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 14:09	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A	10/16/25 13:27	10/17/25 14:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	101		70 - 130	10/16/25 13:27	10/17/25 14:09	1
Perylene-d12	91		70 - 130	10/16/25 13:27	10/17/25 14:09	1
Triphenylphosphate	104		70 - 130	10/16/25 13:27	10/17/25 14:09	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		10/20/25 06:11	10/26/25 05:24	1
2,4,5-Trichlorophenol	<4.8		4.8	ug/L		10/20/25 06:11	10/26/25 05:24	1
2,4,6-Trichlorophenol	<0.96		0.96	ug/L		10/20/25 06:11	10/26/25 05:24	1
2,4-Dichlorophenol	<0.96		0.96	ug/L		10/20/25 06:11	10/26/25 05:24	1
2,4-Dinitrophenol	<4.8		4.8	ug/L		10/20/25 06:11	10/26/25 05:24	1
2,6-Dichlorophenol	<4.8		4.8	ug/L		10/20/25 06:11	10/26/25 05:24	1
2-Chloronaphthalene	<0.19		0.19	ug/L		10/20/25 06:11	10/26/25 05:24	1
2-Chlorophenol	<0.19		0.19	ug/L		10/20/25 06:11	10/26/25 05:24	1
2-Methylnaphthalene	<0.19		0.19	ug/L		10/20/25 06:11	10/26/25 05:24	1
2-Methylphenol	<0.96		0.96	ug/L		10/20/25 06:11	10/26/25 05:24	1
2-Nitroaniline	<4.8	*1	4.8	ug/L		10/20/25 06:11	10/26/25 05:24	1
2-Nitrophenol	<4.8		4.8	ug/L		10/20/25 06:11	10/26/25 05:24	1
3/4-Methylphenol	<1.9		1.9	ug/L		10/20/25 06:11	10/26/25 05:24	1
3-Nitroaniline	<4.8	*- *1	4.8	ug/L		10/20/25 06:11	10/26/25 05:24	1
4,6-Dinitro-2-methylphenol	<4.8		4.8	ug/L		10/20/25 06:11	10/26/25 05:24	1
4-Bromophenyl phenyl ether	<0.19		0.19	ug/L		10/20/25 06:11	10/26/25 05:24	1
4-Chloro-3-methylphenol	<0.96		0.96	ug/L		10/20/25 06:11	10/26/25 05:24	1

Eurofins Eaton Analytical Pomona

Client Sample Results

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

Client Sample ID: Ka'amilo Wells P1

Lab Sample ID: 380-177079-1

Date Collected: 10/14/25 10:04

Matrix: Water

Date Received: 10/15/25 10:27

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloroaniline	<4.8	*- *1	4.8	ug/L		10/20/25 06:11	10/26/25 05:24	1
4-Chlorophenyl phenyl ether	<0.19		0.19	ug/L		10/20/25 06:11	10/26/25 05:24	1
4-Nitroaniline	<4.8	*- *1	4.8	ug/L		10/20/25 06:11	10/26/25 05:24	1
4-Nitrophenol	<4.8		4.8	ug/L		10/20/25 06:11	10/26/25 05:24	1
Acenaphthene	<0.19		0.19	ug/L		10/20/25 06:11	10/26/25 05:24	1
Acenaphthylene	<0.19		0.19	ug/L		10/20/25 06:11	10/26/25 05:24	1
Aniline	<0.19	*- *1	0.19	ug/L		10/20/25 06:11	10/26/25 05:24	1
Anthracene	<0.19		0.19	ug/L		10/20/25 06:11	10/26/25 05:24	1
Benzidine	<4.8	*- *1	4.8	ug/L		10/20/25 06:11	10/26/25 05:24	1
Benzo[a]anthracene	<0.19		0.19	ug/L		10/20/25 06:11	10/26/25 05:24	1
Benzo[a]pyrene	<0.19		0.19	ug/L		10/20/25 06:11	10/26/25 05:24	1
Benzo[b]fluoranthene	<0.19		0.19	ug/L		10/20/25 06:11	10/26/25 05:24	1
Benzo[g,h,i]perylene	<0.19		0.19	ug/L		10/20/25 06:11	10/26/25 05:24	1
Benzo[k]fluoranthene	<0.19		0.19	ug/L		10/20/25 06:11	10/26/25 05:24	1
Benzoic acid	<9.6		9.6	ug/L		10/20/25 06:11	10/26/25 05:24	1
Benzyl alcohol	<0.96		0.96	ug/L		10/20/25 06:11	10/26/25 05:24	1
Bis(2-chloroethoxy)methane	<0.19		0.19	ug/L		10/20/25 06:11	10/26/25 05:24	1
Bis(2-chloroethyl)ether	<0.19		0.19	ug/L		10/20/25 06:11	10/26/25 05:24	1
bis (2-Chloroisopropyl) ether	<0.19		0.19	ug/L		10/20/25 06:11	10/26/25 05:24	1
Chrysene	<0.19		0.19	ug/L		10/20/25 06:11	10/26/25 05:24	1
Dibenz(a,h)anthracene	<0.19		0.19	ug/L		10/20/25 06:11	10/26/25 05:24	1
Dibenzofuran	<0.19		0.19	ug/L		10/20/25 06:11	10/26/25 05:24	1
Fluoranthene	<0.19		0.19	ug/L		10/20/25 06:11	10/26/25 05:24	1
Fluorene	<0.19		0.19	ug/L		10/20/25 06:11	10/26/25 05:24	1
Hexachloroethane	<0.19		0.19	ug/L		10/20/25 06:11	10/26/25 05:24	1
Indeno[1,2,3-cd]pyrene	<0.19		0.19	ug/L		10/20/25 06:11	10/26/25 05:24	1
Naphthalene	<0.19		0.19	ug/L		10/20/25 06:11	10/26/25 05:24	1
Nitrobenzene	<0.19		0.19	ug/L		10/20/25 06:11	10/26/25 05:24	1
N-Nitrosodi-n-propylamine	<0.19		0.19	ug/L		10/20/25 06:11	10/26/25 05:24	1
N-Nitrosodiphenylamine	<0.19	*- *1	0.19	ug/L		10/20/25 06:11	10/26/25 05:24	1
Pentachlorophenol	<0.96		0.96	ug/L		10/20/25 06:11	10/26/25 05:24	1
Phenanthrene	<0.19		0.19	ug/L		10/20/25 06:11	10/26/25 05:24	1
Phenol	<0.96		0.96	ug/L		10/20/25 06:11	10/26/25 05:24	1
Pyrene	<0.19		0.19	ug/L		10/20/25 06:11	10/26/25 05:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	76		28 - 127	10/20/25 06:11	10/26/25 05:24	1
2-Fluorobiphenyl (Surr)	66		31 - 120	10/20/25 06:11	10/26/25 05:24	1
2-Fluorophenol (Surr)	43		17 - 120	10/20/25 06:11	10/26/25 05:24	1
Nitrobenzene-d5 (Surr)	74		27 - 120	10/20/25 06:11	10/26/25 05:24	1
Phenol-d6 (Surr)	29		10 - 120	10/20/25 06:11	10/26/25 05:24	1
p-Terphenyl-d14 (Surr)	73		45 - 120	10/20/25 06:11	10/26/25 05:24	1

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

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	21	T J	ug/L		1.93	N/A	10/20/25 06:11	10/26/25 05:24	1
Furan, 2,5-dimethyl-	8.4	T J N	ug/L		2.01	625-86-5	10/20/25 06:11	10/26/25 05:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	83		33 - 139	10/20/25 06:11	10/26/25 05:24	1

Eurofins Eaton Analytical Pomona

Client Sample Results

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

Client Sample ID: Ka'amilo Wells P1

Lab Sample ID: 380-177079-1

Date Collected: 10/14/25 10:04

Matrix: Water

Date Received: 10/15/25 10:27

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	85		33 - 126	10/20/25 06:11	10/26/25 05:24	1
2-Fluorophenol (Surr)	54		12 - 120	10/20/25 06:11	10/26/25 05:24	1
Nitrobenzene-d5 (Surr)	94		36 - 120	10/20/25 06:11	10/26/25 05:24	1
Phenol-d6 (Surr)	30		10 - 120	10/20/25 06:11	10/26/25 05:24	1
p-Terphenyl-d14 (Surr)	82		47 - 131	10/20/25 06:11	10/26/25 05:24	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			10/25/25 14:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		38 - 134		10/25/25 14:31	1

Method: EPA-DW2 504.1 - EDB, DBCP and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	<0.020		0.020	ug/L		10/20/25 16:03	10/21/25 03:59	1
1,2-Dibromo-3-Chloropropane	<0.010		0.010	ug/L		10/20/25 16:03	10/21/25 03:59	1
1,2-Dibromoethane	<0.010		0.010	ug/L		10/20/25 16:03	10/21/25 03:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dibromopropane (Surr)	99		60 - 140	10/20/25 16:03	10/21/25 03:59	1

Method: EPA 505 - Organochlorine Pesticides/PCBs (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	<0.50		0.50	ug/L		10/20/25 14:13	10/20/25 19:32	1
Chlordane (n.o.s.)	0.37		0.10	ug/L		10/20/25 14:13	10/20/25 19:32	1
PCB-1016	<0.070		0.070	ug/L		10/20/25 14:13	10/20/25 19:32	1
PCB-1221	<0.10		0.10	ug/L		10/20/25 14:13	10/20/25 19:32	1
PCB-1232	<0.10		0.10	ug/L		10/20/25 14:13	10/20/25 19:32	1
PCB-1242	<0.10		0.10	ug/L		10/20/25 14:13	10/20/25 19:32	1
PCB-1248	<0.10		0.10	ug/L		10/20/25 14:13	10/20/25 19:32	1
PCB-1254	<0.10		0.10	ug/L		10/20/25 14:13	10/20/25 19:32	1
PCB-1260	<0.070		0.070	ug/L		10/20/25 14:13	10/20/25 19:32	1
Polychlorinated biphenyls, Total	<0.10		0.10	ug/L		10/20/25 14:13	10/20/25 19:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	93		70 - 130	10/20/25 14:13	10/20/25 19:32	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		10/17/25 15:32	10/26/25 20:27	1
Motor Oil Range Organics [C24-C36]	<26		26	ug/L		10/17/25 15:32	10/26/25 20:27	1
C8-C18	<26		26	ug/L		10/17/25 15:32	10/26/25 20:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane (Surr)	115		60 - 130	10/17/25 15:32	10/26/25 20:27	1

Method: SW846 8015B - Nonhalogenated Organic Compounds - Direct Injection (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	<0.10	^3+	0.10	mg/L			10/21/25 21:19	1

Client Sample Results

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

Client Sample ID: Ka'amilo Wells P1

Lab Sample ID: 380-177079-1

Date Collected: 10/14/25 10:04

Matrix: Water

Date Received: 10/15/25 10:27

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Hexafluoro-2-propanol (Surr)	103		54 - 120		10/21/25 21:19	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	440		25	ug/L			10/18/25 04:44	5
Chloride	120		2.5	mg/L			10/15/25 22:28	5
Nitrate as N	2.1		0.25	mg/L			10/15/25 22:28	5
Nitrite as N	<0.25		0.25	mg/L			10/15/25 22:28	5
Sulfate	28		1.3	mg/L			10/15/25 22:28	5

Method: EPA 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	20		0.10	mg/L			10/17/25 13:08	1
Magnesium	20		0.10	mg/L			10/17/25 13:08	1
Potassium	3.0		0.10	mg/L			10/17/25 13:08	1
Sodium	64		0.10	mg/L			10/17/25 13:08	1

Method: EPA 200.8 - Mercury (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	ug/L			10/17/25 13:04	1

Method: EPA 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0	ug/L			10/17/25 13:04	1
Arsenic	<1.0		1.0	ug/L			10/17/25 13:04	1
Beryllium	<0.30		0.30	ug/L			10/17/25 13:04	1
Cadmium	<0.50		0.50	ug/L			10/17/25 13:04	1
Chromium	1.8		0.90	ug/L			10/17/25 13:04	1
Copper	1.0		1.0	ug/L			10/17/25 13:04	1
Lead	<0.50		0.50	ug/L			10/17/25 13:04	1
Nickel	<1.0		1.0	ug/L			10/17/25 13:04	1
Selenium	3.7		2.0	ug/L			10/17/25 13:04	1
Silver	<0.50		0.50	ug/L			10/17/25 13:04	1
Thallium	<0.30		0.30	ug/L			10/17/25 13:04	1
Zinc	<5.0		5.0	ug/L			10/17/25 13:04	1

General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity (SM 2320B)	80		4.0	mg/L			10/20/25 21:46	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	80		4.0	mg/L			10/20/25 21:46	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	<4.0		4.0	mg/L			10/20/25 21:46	1
Specific Conductance (SM 2510B)	610		2.0	umhos/cm			10/20/25 21:46	1
Total Dissolved Solids (SM 2540C)	360		20	mg/L			10/16/25 14:30	1
Fluoride (SM 4500 F C)	0.062		0.050	mg/L			10/16/25 21:51	1
pH (SM 4500 H+ B)	7.7	HF		SU			10/20/25 21:46	1
Sulfide (SM 4500 S2 D)	<0.050	F1	0.050	mg/L			10/20/25 13:02	1

Client Sample Results

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

Client Sample ID: TB: Ka'amilo Wells P1

Lab Sample ID: 380-177079-2

Date Collected: 10/14/25 10:04

Matrix: Water

Date Received: 10/15/25 10:27

Method: EPA-DW 524.2 - Total Trihalomethanes

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Trihalomethanes, Total	<0.50		0.50	ug/L			10/17/25 18:20	1

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.50		0.50	ug/L			10/17/25 18:20	1
1,1,1-Trichloroethane	<0.50		0.50	ug/L			10/17/25 18:20	1
1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L			10/17/25 18:20	1
1,1,2-Trichloroethane	<0.50		0.50	ug/L			10/17/25 18:20	1
1,1-Dichloroethane	<0.50		0.50	ug/L			10/17/25 18:20	1
1,1-Dichlorethylene	<0.50		0.50	ug/L			10/17/25 18:20	1
1,1-Dichloropropene	<0.50		0.50	ug/L			10/17/25 18:20	1
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L			10/17/25 18:20	1
1,2,3-Trichloropropane	<0.50		0.50	ug/L			10/17/25 18:20	1
1,2,4-Trichlorobenzene	<0.50		0.50	ug/L			10/17/25 18:20	1
1,2,4-Trimethylbenzene	<0.50		0.50	ug/L			10/17/25 18:20	1
1,2-Dichloroethane	<0.50		0.50	ug/L			10/17/25 18:20	1
1,2-Dichloropropane	<0.50		0.50	ug/L			10/17/25 18:20	1
1,3,5-Trimethylbenzene	<0.50		0.50	ug/L			10/17/25 18:20	1
1,3-Dichloropropane	<0.50		0.50	ug/L			10/17/25 18:20	1
2,2-Dichloropropane	<0.50		0.50	ug/L			10/17/25 18:20	1
2-Butanone (MEK)	<5.0		5.0	ug/L			10/17/25 18:20	1
4-Methyl-2-pentanone (MIBK)	<5.0		5.0	ug/L			10/17/25 18:20	1
Acetone	580		500	ug/L			10/17/25 18:20	1
Benzene	<0.50		0.50	ug/L			10/17/25 18:20	1
Bromobenzene	<0.50		0.50	ug/L			10/17/25 18:20	1
Bromochloromethane	<0.50		0.50	ug/L			10/17/25 18:20	1
Bromodichloromethane	<0.50		0.50	ug/L			10/17/25 18:20	1
Bromoform	<0.50		0.50	ug/L			10/17/25 18:20	1
Bromomethane (Methyl Bromide)	<0.50		0.50	ug/L			10/17/25 18:20	1
Carbon disulfide	<0.50		0.50	ug/L			10/17/25 18:20	1
Carbon tetrachloride	<0.50	*+	0.50	ug/L			10/17/25 18:20	1
Chlorobenzene	<0.50		0.50	ug/L			10/17/25 18:20	1
Chlorodibromomethane	<0.50		0.50	ug/L			10/17/25 18:20	1
Chloroethane	<0.50		0.50	ug/L			10/17/25 18:20	1
Chloroform (Trichloromethane)	<0.50		0.50	ug/L			10/17/25 18:20	1
Dichloromethane	<0.50		0.50	ug/L			10/17/25 18:20	1
cis-1,2-Dichloroethylene	<0.50		0.50	ug/L			10/17/25 18:20	1
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			10/17/25 18:20	1
Dibromomethane	<0.50		0.50	ug/L			10/17/25 18:20	1
Dichlorodifluoromethane	<0.50		0.50	ug/L			10/17/25 18:20	1
Ethylbenzene	<0.50		0.50	ug/L			10/17/25 18:20	1
Hexachlorobutadiene	<0.50	*+	0.50	ug/L			10/17/25 18:20	1
Isopropylbenzene	<0.50		0.50	ug/L			10/17/25 18:20	1
m,p-Xylenes	<0.50		0.50	ug/L			10/17/25 18:20	1
m-Dichlorobenzene (1,3-DCB)	<0.50		0.50	ug/L			10/17/25 18:20	1
Methyl-tert-butyl Ether (MTBE)	<0.50		0.50	ug/L			10/17/25 18:20	1
Naphthalene	<0.50		0.50	ug/L			10/17/25 18:20	1
n-Butylbenzene	<0.50		0.50	ug/L			10/17/25 18:20	1
N-Propylbenzene	<0.50		0.50	ug/L			10/17/25 18:20	1
o-Dichlorobenzene (1,2-DCB)	<0.50		0.50	ug/L			10/17/25 18:20	1

Eurofins Eaton Analytical Pomona

Client Sample Results

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

Client Sample ID: TB: Ka'amilo Wells P1

Lab Sample ID: 380-177079-2

Date Collected: 10/14/25 10:04

Matrix: Water

Date Received: 10/15/25 10:27

Method: EPA-DW 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
o-Chlorotoluene	<0.50		0.50	ug/L			10/17/25 18:20	1
o-Xylene	<0.50		0.50	ug/L			10/17/25 18:20	1
p-Chlorotoluene	<0.50		0.50	ug/L			10/17/25 18:20	1
p-Dichlorobenzene (1,4-DCB)	<0.50		0.50	ug/L			10/17/25 18:20	1
p-Isopropyltoluene	<0.50		0.50	ug/L			10/17/25 18:20	1
sec-Butylbenzene	<0.50		0.50	ug/L			10/17/25 18:20	1
Styrene	<0.50		0.50	ug/L			10/17/25 18:20	1
Tert-amyl methyl ether	<3.0		3.0	ug/L			10/17/25 18:20	1
Tert-butyl ethyl ether	<3.0		3.0	ug/L			10/17/25 18:20	1
tert-Butylbenzene	<0.50		0.50	ug/L			10/17/25 18:20	1
Tetrachloroethene (PCE)	<0.50		0.50	ug/L			10/17/25 18:20	1
Toluene	<0.50		0.50	ug/L			10/17/25 18:20	1
1,3-Dichloropropene, Total	<0.50		0.50	ug/L			10/17/25 18:20	1
Xylenes, Total	<0.50		0.50	ug/L			10/17/25 18:20	1
trans-1,2-Dichloroethylene	<0.50		0.50	ug/L			10/17/25 18:20	1
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			10/17/25 18:20	1
Trichloroethylene (TCE)	<0.50		0.50	ug/L			10/17/25 18:20	1
Trichlorofluoromethane (Freon 11)	<0.50		0.50	ug/L			10/17/25 18:20	1
Vinyl Chloride (VC)	<0.30		0.30	ug/L			10/17/25 18:20	1
Trichlorotrifluoroethane	<0.50		0.50	ug/L			10/17/25 18:20	1
Bromoethane	<0.50		0.50	ug/L			10/17/25 18:20	1
Chloromethane (methyl chloride)	<0.50		0.50	ug/L			10/17/25 18:20	1
Diisopropyl ether	<3.0		3.0	ug/L			10/17/25 18:20	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	7.0	T J	ug/L		1.05	N/A		10/17/25 18:20	1
Unknown	0.71	T J	ug/L		2.24	N/A		10/17/25 18:20	1
Unknown	5.6	T J	ug/L		9.02	N/A		10/17/25 18:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		70 - 130		10/17/25 18:20	1
4-Bromofluorobenzene (Surr)	100		70 - 130		10/17/25 18:20	1
Toluene-d8 (Surr)	98		70 - 130		10/17/25 18:20	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	<10		10	ug/L			10/25/25 18:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		38 - 134		10/25/25 18:12	1

Method: EPA-DW2 504.1 - EDB, DBCP and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	<0.020		0.020	ug/L		10/20/25 16:03	10/21/25 04:46	1
1,2-Dibromo-3-Chloropropane	<0.010		0.010	ug/L		10/20/25 16:03	10/21/25 04:46	1
1,2-Dibromoethane	<0.010		0.010	ug/L		10/20/25 16:03	10/21/25 04:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dibromopropane (Surr)	103		60 - 140	10/20/25 16:03	10/21/25 04:46	1

Action Limit Summary

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

Client Sample ID: Ka'amilo Wells P1

Lab Sample ID: 380-177079-1

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	HI Org Limit	EPAMCL Limit	EPAMCL S Limit	Method	Prep Type
Trihalomethanes, Total	<0.50		ug/L		80		524.2	Total/NA
1,1,1-Trichloroethane	<0.50		ug/L	200.0	200		524.2	Total/NA
1,1,2-Trichloroethane	<0.50		ug/L	5.000	5		524.2	Total/NA
1,1-Dichloroethylene	<0.50		ug/L	7.000	7		524.2	Total/NA
1,2,3-Trichloropropane	<0.50		ug/L	0.6000			524.2	Total/NA
1,2,4-Trichlorobenzene	<0.50		ug/L	70.00	70		524.2	Total/NA
1,2-Dichloroethane	<0.50		ug/L	5.000	5		524.2	Total/NA
1,2-Dichloropropane	<0.50		ug/L	5.000	5		524.2	Total/NA
Benzene	<0.50		ug/L	5.000	5		524.2	Total/NA
Bromodichloromethane	<0.50		ug/L		80		524.2	Total/NA
Bromoform	<0.50		ug/L		80		524.2	Total/NA
Carbon tetrachloride	<0.50	*+	ug/L	5.000	5		524.2	Total/NA
Chlorobenzene	<0.50		ug/L	100.0	100		524.2	Total/NA
Chlorodibromomethane	<0.50		ug/L		80		524.2	Total/NA
Chloroform (Trichloromethane)	<0.50		ug/L		80		524.2	Total/NA
cis-1,2-Dichloroethylene	<0.50		ug/L	70.00	70		524.2	Total/NA
Dichloromethane	<0.50		ug/L	5.000	5		524.2	Total/NA
Ethylbenzene	<0.50		ug/L	700.0	700		524.2	Total/NA
o-Dichlorobenzene (1,2-DCB)	<0.50		ug/L	600.0	600		524.2	Total/NA
p-Dichlorobenzene (1,4-DCB)	<0.50		ug/L	75.000	75		524.2	Total/NA
Styrene	<0.50		ug/L	100.0	100		524.2	Total/NA
Tetrachloroethene (PCE)	<0.50		ug/L	5.000	5		524.2	Total/NA
Toluene	<0.50		ug/L	1000	1000		524.2	Total/NA
trans-1,2-Dichloroethylene	<0.50		ug/L	100.0	100		524.2	Total/NA
Trichloroethylene (TCE)	<0.50		ug/L	5.000	5		524.2	Total/NA
Vinyl Chloride (VC)	<0.30		ug/L	2.000	2		524.2	Total/NA
Xylenes, Total	<0.50		ug/L	10000	10000		524.2	Total/NA
Alachlor	<0.049		ug/L		2		525.2	Total/NA
Atrazine	<0.049		ug/L		3		525.2	Total/NA
Benzo[a]pyrene	<0.020		ug/L		0.2		525.2	Total/NA
Bis(2-ethylhexyl) phthalate	<0.59		ug/L		6		525.2	Total/NA
Di(2-ethylhexyl)adipate	<0.59		ug/L		400		525.2	Total/NA
Endrin	<0.0098		ug/L		2		525.2	Total/NA
gamma-BHC (Lindane)	<0.0098		ug/L		0.2		525.2	Total/NA
Heptachlor	<0.0098		ug/L		0.4		525.2	Total/NA
Heptachlor epoxide (isomer B)	0.013		ug/L		0.2		525.2	Total/NA
Hexachlorobenzene	<0.049		ug/L		1		525.2	Total/NA
Hexachlorocyclopentadiene	<0.049		ug/L		50		525.2	Total/NA
Methoxychlor	<0.049		ug/L		40		525.2	Total/NA
Simazine	<0.049		ug/L		4		525.2	Total/NA
Benzo[a]pyrene	<0.19		ug/L		0.2		625.1 SIM	Total/NA
Pentachlorophenol	<0.96		ug/L		1		625.1 SIM	Total/NA
1,2,3-Trichloropropane	<0.020		ug/L	0.6000			504.1	Total/NA
1,2-Dibromo-3-Chloropropane	<0.010		ug/L		0.2		504.1	Total/NA
1,2-Dibromoethane	<0.010		ug/L		0.05		504.1	Total/NA
Toxaphene	<0.50		ug/L		3		505	Total/NA
Chlordane (n.o.s.)	0.37		ug/L		2		505	Total/NA
Polychlorinated biphenyls, Total	<0.10		ug/L		0.5		505	Total/NA

Action Limit Summary

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

Client Sample ID: Ka'amilo Wells P1 (Continued)

Lab Sample ID: 380-177079-1

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	HI Org Limit	EPAMCL Limit	EPAMCL	Method	Prep Type
						S		
Chloride	120		mg/L			250	300.0	Total/NA
Nitrate as N	2.1		mg/L		10		300.0	Total/NA
Nitrite as N	<0.25		mg/L		1		300.0	Total/NA
Sulfate	28		mg/L			250	300.0	Total/NA
Mercury	<0.20		ug/L		2		200.8	Total/NA
Antimony	<1.0		ug/L		6		200.8	Total/NA
Arsenic	<1.0		ug/L		10		200.8	Total/NA
Beryllium	<0.30		ug/L		4		200.8	Total/NA
Cadmium	<0.50		ug/L		5		200.8	Total/NA
Chromium	1.8		ug/L		100		200.8	Total/NA
Copper	1.0		ug/L		1300	1000	200.8	Total/NA
Lead	<0.50		ug/L		10.00		200.8	Total/NA
Selenium	3.7		ug/L		50		200.8	Total/NA
Silver	<0.50		ug/L			100	200.8	Total/NA
Thallium	<0.30		ug/L		2		200.8	Total/NA
Zinc	<5.0		ug/L			5000	200.8	Total/NA
Total Dissolved Solids	360		mg/L			500	SM 2540C	Total/NA
Fluoride	0.062		mg/L		4	2	SM 4500 F C	Total/NA
pH	7.7	HF	SU			6.5	SM 4500 H+ B	Total/NA

Client Sample ID: TB: Ka'amilo Wells P1

Lab Sample ID: 380-177079-2

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	HI Org Limit	EPAMCL Limit	RL	Method	Prep Type
1,1,1-Trichloroethane	<0.50		ug/L	200.0	200	0.50	524.2	Total/NA
1,1,2-Trichloroethane	<0.50		ug/L	5.000	5	0.50	524.2	Total/NA
1,1-Dichloroethylene	<0.50		ug/L	7.000	7	0.50	524.2	Total/NA
1,2,3-Trichloropropane	<0.50		ug/L	0.6000		0.50	524.2	Total/NA
1,2,4-Trichlorobenzene	<0.50		ug/L	70.00	70	0.50	524.2	Total/NA
1,2-Dichloroethane	<0.50		ug/L	5.000	5	0.50	524.2	Total/NA
1,2-Dichloropropane	<0.50		ug/L	5.000	5	0.50	524.2	Total/NA
Benzene	<0.50		ug/L	5.000	5	0.50	524.2	Total/NA
Bromodichloromethane	<0.50		ug/L		80	0.50	524.2	Total/NA
Bromoform	<0.50		ug/L		80	0.50	524.2	Total/NA
Carbon tetrachloride	<0.50	+	ug/L	5.000	5	0.50	524.2	Total/NA
Chlorobenzene	<0.50		ug/L	100.0	100	0.50	524.2	Total/NA
Chlorodibromomethane	<0.50		ug/L		80	0.50	524.2	Total/NA
Chloroform (Trichloromethane)	<0.50		ug/L		80	0.50	524.2	Total/NA
Dichloromethane	<0.50		ug/L	5.000	5	0.50	524.2	Total/NA
cis-1,2-Dichloroethylene	<0.50		ug/L	70.00	70	0.50	524.2	Total/NA
Ethylbenzene	<0.50		ug/L	700.0	700	0.50	524.2	Total/NA
o-Dichlorobenzene (1,2-DCB)	<0.50		ug/L	600.0	600	0.50	524.2	Total/NA
p-Dichlorobenzene (1,4-DCB)	<0.50		ug/L	75.000	75	0.50	524.2	Total/NA

Eurofins Eaton Analytical Pomona

Action Limit Summary

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

Job ID: 380-177079-1
 SDG: Quarterly: Ka'amilo Wells P1

Client Sample ID: TB: Ka'amilo Wells P1 (Continued)

Lab Sample ID: 380-177079-2

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	HI Org Limit	EPAMCL Limit	RL	Method	Prep Type
Styrene	<0.50		ug/L	100.0	100	0.50	524.2	Total/NA
Tetrachloroethene (PCE)	<0.50		ug/L	5.000	5	0.50	524.2	Total/NA
Toluene	<0.50		ug/L	1000	1000	0.50	524.2	Total/NA
Xylenes, Total	<0.50		ug/L	10000	10000	0.50	524.2	Total/NA
trans-1,2-Dichloroethylene	<0.50		ug/L	100.0	100	0.50	524.2	Total/NA
Trichloroethylene (TCE)	<0.50		ug/L	5.000	5	0.50	524.2	Total/NA
Vinyl Chloride (VC)	<0.30		ug/L	2.000	2	0.30	524.2	Total/NA
1,2,3-Trichloropropane	<0.020		ug/L	0.6000		0.020	504.1	Total/NA
1,2-Dibromo-3-Chloropropane	<0.010		ug/L		0.2	0.010	504.1	Total/NA
1,2-Dibromoethane	<0.010		ug/L		0.05	0.010	504.1	Total/NA

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

Surrogate Summary

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		DCA (70-130)	DCA (70-130)	BFB (70-130)	BFB (70-130)	TOL (70-130)	TOL (70-130)
380-177079-1	Ka'amilo Wells P1	97	97	102	102	89	89
380-177079-1	Ka'amilo Wells P1	97	97	98	98	100	100
380-177079-2	TB: Ka'amilo Wells P1	99	99	100	100	98	98
LCS 380-180269/3	Lab Control Sample	96	96	104	104	89	89
LCS 380-180527/11	Lab Control Sample	102	102	98	98	101	101
LCSD 380-180269/4	Lab Control Sample Dup	95	95	102	102	89	89
LCSD 380-180527/12	Lab Control Sample Dup	99	99	99	99	99	99
MB 380-180269/5	Method Blank	98	98	101	101	89	89
MB 380-180527/15	Method Blank	99	99	100	100	102	102
MRL 380-180213/3	Lab Control Sample	95	95	96	96	90	90
MRL 380-180213/4	Lab Control Sample	92	92	101	101	86	86
MRL 380-180527/13	Lab Control Sample	98	98	98	98	101	101
MRL 380-180527/14	Lab Control Sample	98	98	99	99	101	101

Surrogate Legend
DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)

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)
380-177079-1	Ka'amilo Wells P1	101	91	104
380-177079-1 MS	Ka'amilo Wells P1	99	95	110
380-177079-1 MSD	Ka'amilo Wells P1	98	97	106
LCS 380-180266/22-A	Lab Control Sample	98	93	106
MB 380-180266/20-A	Method Blank	99	86	105
MRL 380-180266/21-A	Lab Control Sample	98	86	104

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)
380-177079-1	Ka'amilo Wells P1	83	85	54	94	30	82
MB 570-642969/1-A	Method Blank	89	87	60	93	34	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)

Eurofins Eaton Analytical Pomona

Surrogate Summary

Client: City & County of Honolulu
 Project/Site: RED-HILL
 TPHd14 = p-Terphenyl-d14 (Surr)

Job ID: 380-177079-1
 SDG: Quarterly: Ka'amilo Wells P1

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)
380-177079-1	Ka'amilo Wells P1	76	66	43	74	29	73
380-177173-A-1-A MS	Matrix Spike	48	44	29	44	20	50
380-177173-A-1-B MSD	Matrix Spike Duplicate	84	75	53	82	36	84
LCS 570-642969/2-A	Lab Control Sample	78	71	53	77	37	83
LCSD 570-642969/3-A	Lab Control Sample Dup	81	75	58	70	40	83
MB 570-642969/1-A	Method Blank	76	68	50	78	33	73

Surrogate Legend

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

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		BFB1 (38-134)
380-177079-1	Ka'amilo Wells P1	80
380-177079-2	TB: Ka'amilo Wells P1	78
380-178070-B-1 MS	Matrix Spike	81
380-178070-B-1 MSD	Matrix Spike Duplicate	83
LCS 570-646066/4	Lab Control Sample	78
LCSD 570-646066/5	Lab Control Sample Dup	81
MB 570-646066/6	Method Blank	79
MRL 570-646066/3	Lab Control Sample	80

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

Method: 504.1 - EDB, DBCP and 1,2,3-TCP (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)
		DBPP1 (60-140)
380-177079-1	Ka'amilo Wells P1	99
380-177079-2	TB: Ka'amilo Wells P1	103
380-177221-A-3-A MS	Matrix Spike	94
380-177221-A-4-A DU	Duplicate	95
LCS 380-180856/29-A	Lab Control Sample	101
MBL 380-180856/4-A	Method Blank	102
MRL 380-180856/2-A	Lab Control Sample	112
MRL 380-180856/3-A	Lab Control Sample	105

Surrogate Legend

DBPP = 1,2-Dibromopropane (Surr)

Surrogate Summary

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

Job ID: 380-177079-1
 SDG: Quarterly: Ka'amilo Wells P1

Method: 505 - Organochlorine Pesticides/PCBs (GC)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TCX1 (70-130)
380-177079-1	Ka'amilo Wells P1	93
380-177094-B-1-A MS	Matrix Spike	93
380-177094-D-1-A MS	Matrix Spike	103
380-177141-Q-1-A MS	Matrix Spike	96
380-177141-R-1-A MS	Matrix Spike	102
LCS 380-180823/28-A	Lab Control Sample	101
LCS 380-180823/29-A	Lab Control Sample	107
LCS 380-180823/31-A	Lab Control Sample	101
LCSD 380-180823/30-A	Lab Control Sample Dup	107
MB 380-180823/3-A	Method Blank	95
MRL 380-180823/1-A	Lab Control Sample	110
MRL 380-180823/2-A	Lab Control Sample	102

Surrogate Legend

TCX = Tetrachloro-m-xylene

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)
380-177079-1	Ka'amilo Wells P1	115
380-177173-C-1-A MS	Matrix Spike	120
380-177173-C-1-B MSD	Matrix Spike Duplicate	121
LCS 570-642248/2-A	Lab Control Sample	120
LCSD 570-642248/3-A	Lab Control Sample Dup	106
MB 570-642248/1-A	Method Blank	111
MRL 570-642248/4-A	Lab Control Sample	135

Surrogate Legend

OTCSN = n-Octacosane (Surr)

Method: 8015B - Nonhalogenated Organic Compounds - Direct Injection (GC)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	HF2PP1 (54-120)
380-177079-1	Ka'amilo Wells P1	103
380-177079-1 MS	Ka'amilo Wells P1	94
380-177079-1 MSD	Ka'amilo Wells P1	95
LCS 570-643985/5	Lab Control Sample	100
LCSD 570-643985/6	Lab Control Sample Dup	95
MB 570-643985/3	Method Blank	96
MRL 570-643985/4	Lab Control Sample	106

Surrogate Legend

HF2PP = Hexafluoro-2-propanol (Surr)

QC Sample Results

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MRL 380-180213/3
Matrix: Water
Analysis Batch: 180213

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
m,p-Xylenes	0.500	0.581		ug/L		116	50 - 150
Vinyl Chloride (VC)	0.250	0.273	J	ug/L		109	50 - 150

Surrogate	MRL %Recovery	MRL Qualifier	MRL Limits
1,2-Dichloroethane-d4 (Surr)	95		70 - 130
4-Bromofluorobenzene (Surr)	96		70 - 130
Toluene-d8 (Surr)	90		70 - 130

Lab Sample ID: MRL 380-180213/4
Matrix: Water
Analysis Batch: 180213

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	0.500	0.329	J	ug/L		66	50 - 150
1,1,1-Trichloroethane	0.500	0.395	J	ug/L		79	50 - 150
1,1,2,2-Tetrachloroethane	0.500	0.586		ug/L		117	50 - 150
1,1,2-Trichloroethane	0.500	0.407	J	ug/L		81	50 - 150
1,1-Dichloroethane	0.500	0.462	J	ug/L		92	50 - 150
1,1-Dichlorethylene	0.500	0.504		ug/L		101	50 - 150
1,1-Dichloropropene	0.500	0.426	J	ug/L		85	50 - 150
1,2,3-Trichlorobenzene	0.500	0.619		ug/L		124	50 - 150
1,2,3-Trichloropropane	0.500	0.584		ug/L		117	50 - 150
1,2,4-Trichlorobenzene	0.500	0.681		ug/L		136	50 - 150
1,2,4-Trimethylbenzene	0.500	0.572		ug/L		114	50 - 150
1,2-Dichloroethane	0.500	0.441	J	ug/L		88	50 - 150
1,2-Dichloropropane	0.500	0.428	J	ug/L		86	50 - 150
1,3,5-Trimethylbenzene	0.500	0.614		ug/L		123	50 - 150
1,3-Dichloropropane	0.500	0.449	J	ug/L		90	50 - 150
2,2-Dichloropropane	0.500	0.440	J	ug/L		88	50 - 150
2-Butanone (MEK)	5.00	5.62		ug/L		112	50 - 150
4-Methyl-2-pentanone (MIBK)	5.00	4.80	J	ug/L		96	50 - 150
Acetone	5.00	4.12	J	ug/L		82	50 - 150
Benzene	0.500	0.451	J	ug/L		90	50 - 150
Bromobenzene	0.500	0.595		ug/L		119	50 - 150
Bromochloromethane	0.500	0.438	J	ug/L		88	50 - 150
Bromodichloromethane	0.500	0.362	J	ug/L		72	50 - 150
Bromoform	0.500	0.575		ug/L		115	50 - 150
Bromomethane (Methyl Bromide)	0.500	0.502		ug/L		100	50 - 150
Carbon disulfide	0.500	0.365	J	ug/L		73	50 - 150
Carbon tetrachloride	0.500	0.387	J	ug/L		77	50 - 150
Chlorobenzene	0.500	0.445	J	ug/L		89	50 - 150
Chlorodibromomethane	0.500	0.336	J	ug/L		67	50 - 150
cis-1,3-Dichloropropene	0.500	0.309	J	ug/L		62	50 - 150
Dichloromethane	0.500	0.509		ug/L		102	50 - 150
Ethylbenzene	0.500	0.445	J	ug/L		89	50 - 150
Hexachlorobutadiene	0.500	0.543		ug/L		109	50 - 150
Isopropylbenzene	0.500	0.615		ug/L		123	50 - 150
m,p-Xylenes	1.00	0.926		ug/L		93	50 - 150

QC Sample Results

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MRL 380-180213/4
Matrix: Water
Analysis Batch: 180213

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
m-Dichlorobenzene (1,3-DCB)	0.500	0.593		ug/L		119	50 - 150
Methyl-tert-butyl Ether (MTBE)	0.500	0.452	J	ug/L		90	50 - 150
Naphthalene	0.500	0.437	J	ug/L		87	50 - 150
n-Butylbenzene	0.500	0.642		ug/L		128	50 - 150
N-Propylbenzene	0.500	0.616		ug/L		123	50 - 150
o-Chlorotoluene	0.500	0.618		ug/L		124	50 - 150
o-Dichlorobenzene (1,2-DCB)	0.500	0.620		ug/L		124	50 - 150
o-Xylene	0.500	0.457	J	ug/L		91	50 - 150
p-Chlorotoluene	0.500	0.601		ug/L		120	50 - 150
p-Dichlorobenzene (1,4-DCB)	0.500	0.595		ug/L		119	50 - 150
p-Isopropyltoluene	0.500	0.592		ug/L		118	50 - 150
sec-Butylbenzene	0.500	0.584		ug/L		117	50 - 150
Styrene	0.500	0.419	J	ug/L		84	50 - 150
Tert-amyl methyl ether	0.500	0.482	J	ug/L		96	50 - 150
1,3-Dichloropropene, Total	1.00	0.629		ug/L		63	50 - 150
Tert-butyl ethyl ether	0.500	0.469	J	ug/L		94	50 - 150
tert-Butylbenzene	0.500	0.596		ug/L		119	50 - 150
Tetrachloroethene (PCE)	0.500	0.428	J	ug/L		86	50 - 150
Toluene	0.500	0.445	J	ug/L		89	50 - 150
trans-1,2-Dichloroethylene	0.500	0.462	J	ug/L		92	50 - 150
trans-1,3-Dichloropropene	0.500	0.320	J	ug/L		64	50 - 150
Trichloroethylene (TCE)	0.500	0.407	J	ug/L		81	50 - 150
Bromoethane	0.500	0.491	J	ug/L		98	50 - 150
Trichlorofluoromethane (Freon 11)	0.500	0.434	J	ug/L		87	50 - 150
Trichlorotrifluoroethane	0.500	0.463	J	ug/L		93	50 - 150
Diisopropyl ether	0.500	0.459	J	ug/L		92	50 - 150
Vinyl Chloride (VC)	0.500	0.430		ug/L		86	50 - 150
Xylenes, Total	1.50	1.38		ug/L		92	50 - 150

Surrogate	MRL %Recovery	MRL Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	92		70 - 130
4-Bromofluorobenzene (Surr)	101		70 - 130
Toluene-d8 (Surr)	86		70 - 130

Lab Sample ID: MB 380-180269/5
Matrix: Water
Analysis Batch: 180269

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.50		0.50	ug/L			10/16/25 23:06	1
Tertiary Butyl Alcohol (TBA)	<2.0		2.0	ug/L			10/16/25 23:06	1
1,1,1-Trichloroethane	<0.50		0.50	ug/L			10/16/25 23:06	1
1,1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L			10/16/25 23:06	1
1,1,2-Trichloroethane	<0.50		0.50	ug/L			10/16/25 23:06	1
1,1-Dichloroethane	<0.50		0.50	ug/L			10/16/25 23:06	1
1,1-Dichloroethylene	<0.50		0.50	ug/L			10/16/25 23:06	1
1,1-Dichloropropene	<0.50		0.50	ug/L			10/16/25 23:06	1
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L			10/16/25 23:06	1

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-177079-1
 SDG: Quarterly: Ka'amilo Wells P1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 380-180269/5
Matrix: Water
Analysis Batch: 180269

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	<0.50		0.50	ug/L			10/16/25 23:06	1
1,2,4-Trichlorobenzene	<0.50		0.50	ug/L			10/16/25 23:06	1
1,2,4-Trimethylbenzene	<0.50		0.50	ug/L			10/16/25 23:06	1
1,2-Dichloroethane	<0.50		0.50	ug/L			10/16/25 23:06	1
1,2-Dichloropropane	<0.50		0.50	ug/L			10/16/25 23:06	1
1,3,5-Trimethylbenzene	<0.50		0.50	ug/L			10/16/25 23:06	1
1,3-Dichloropropane	<0.50		0.50	ug/L			10/16/25 23:06	1
2,2-Dichloropropane	<0.50		0.50	ug/L			10/16/25 23:06	1
2-Butanone (MEK)	<5.0		5.0	ug/L			10/16/25 23:06	1
4-Methyl-2-pentanone (MIBK)	<5.0		5.0	ug/L			10/16/25 23:06	1
Acetone	<500		500	ug/L			10/16/25 23:06	1
Benzene	<0.50		0.50	ug/L			10/16/25 23:06	1
Bromobenzene	<0.50		0.50	ug/L			10/16/25 23:06	1
Bromochloromethane	<0.50		0.50	ug/L			10/16/25 23:06	1
Bromodichloromethane	<0.50		0.50	ug/L			10/16/25 23:06	1
Bromoform	<0.50		0.50	ug/L			10/16/25 23:06	1
Bromomethane (Methyl Bromide)	<0.50		0.50	ug/L			10/16/25 23:06	1
Carbon disulfide	<0.50		0.50	ug/L			10/16/25 23:06	1
Carbon tetrachloride	<0.50		0.50	ug/L			10/16/25 23:06	1
Chlorobenzene	<0.50		0.50	ug/L			10/16/25 23:06	1
Chlorodibromomethane	<0.50		0.50	ug/L			10/16/25 23:06	1
Chloroethane	<0.50		0.50	ug/L			10/16/25 23:06	1
Chloroform (Trichloromethane)	<0.50		0.50	ug/L			10/16/25 23:06	1
cis-1,2-Dichloroethylene	<0.50		0.50	ug/L			10/16/25 23:06	1
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			10/16/25 23:06	1
Dibromomethane	<0.50		0.50	ug/L			10/16/25 23:06	1
Dichlorodifluoromethane	<0.50		0.50	ug/L			10/16/25 23:06	1
Dichloromethane	<0.50		0.50	ug/L			10/16/25 23:06	1
Ethylbenzene	<0.50		0.50	ug/L			10/16/25 23:06	1
Hexachlorobutadiene	<0.50		0.50	ug/L			10/16/25 23:06	1
Isopropylbenzene	<0.50		0.50	ug/L			10/16/25 23:06	1
m,p-Xylenes	<0.50		0.50	ug/L			10/16/25 23:06	1
m-Dichlorobenzene (1,3-DCB)	<0.50		0.50	ug/L			10/16/25 23:06	1
Methyl-tert-butyl Ether (MTBE)	<0.50		0.50	ug/L			10/16/25 23:06	1
Naphthalene	<0.50		0.50	ug/L			10/16/25 23:06	1
n-Butylbenzene	<0.50		0.50	ug/L			10/16/25 23:06	1
N-Propylbenzene	<0.50		0.50	ug/L			10/16/25 23:06	1
o-Chlorotoluene	<0.50		0.50	ug/L			10/16/25 23:06	1
o-Dichlorobenzene (1,2-DCB)	<0.50		0.50	ug/L			10/16/25 23:06	1
o-Xylene	<0.50		0.50	ug/L			10/16/25 23:06	1
p-Chlorotoluene	<0.50		0.50	ug/L			10/16/25 23:06	1
p-Dichlorobenzene (1,4-DCB)	<0.50		0.50	ug/L			10/16/25 23:06	1
p-Isopropyltoluene	<0.50		0.50	ug/L			10/16/25 23:06	1
sec-Butylbenzene	<0.50		0.50	ug/L			10/16/25 23:06	1
Styrene	<0.50		0.50	ug/L			10/16/25 23:06	1
Tert-amyl methyl ether	<3.0		3.0	ug/L			10/16/25 23:06	1
1,3-Dichloropropene, Total	<0.50		0.50	ug/L			10/16/25 23:06	1
Tert-butyl ethyl ether	<3.0		3.0	ug/L			10/16/25 23:06	1
tert-Butylbenzene	<0.50		0.50	ug/L			10/16/25 23:06	1

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 380-180269/5
Matrix: Water
Analysis Batch: 180269

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene (PCE)	<0.50		0.50	ug/L			10/16/25 23:06	1
Toluene	<0.50		0.50	ug/L			10/16/25 23:06	1
trans-1,2-Dichloroethylene	<0.50		0.50	ug/L			10/16/25 23:06	1
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			10/16/25 23:06	1
Trichloroethylene (TCE)	<0.50		0.50	ug/L			10/16/25 23:06	1
Bromoethane	<0.50		0.50	ug/L			10/16/25 23:06	1
Trichlorofluoromethane (Freon 11)	<0.50		0.50	ug/L			10/16/25 23:06	1
Chloromethane (methyl chloride)	<0.50		0.50	ug/L			10/16/25 23:06	1
Trichlorotrifluoroethane	<0.50		0.50	ug/L			10/16/25 23:06	1
Diisopropyl ether	<3.0		3.0	ug/L			10/16/25 23:06	1
Vinyl Chloride (VC)	<0.30		0.30	ug/L			10/16/25 23:06	1
Xylenes, Total	<0.50		0.50	ug/L			10/16/25 23:06	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A		10/16/25 23:06	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		70 - 130		10/16/25 23:06	1
4-Bromofluorobenzene (Surr)	101		70 - 130		10/16/25 23:06	1
Toluene-d8 (Surr)	89		70 - 130		10/16/25 23:06	1

Lab Sample ID: LCS 380-180269/3
Matrix: Water
Analysis Batch: 180269

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	5.00	3.50		ug/L		70	70 - 130
1,1,2,2-Tetrachloroethane	5.00	4.87		ug/L		97	70 - 130
1,1-Dichloroethane	5.00	3.70		ug/L		74	70 - 130
1,1-Dichloroethylene	5.00	3.84		ug/L		77	70 - 130
1,1-Dichloropropene	5.00	3.53		ug/L		71	70 - 130
1,2,3-Trichlorobenzene	5.00	5.24		ug/L		105	70 - 130
1,2,3-Trichloropropane	5.00	4.83		ug/L		97	70 - 130
1,2,4-Trichlorobenzene	5.00	5.05		ug/L		101	70 - 130
1,2,4-Trimethylbenzene	5.00	4.92		ug/L		98	70 - 130
1,2-Dichloroethane	5.00	3.70		ug/L		74	70 - 130
1,2-Dichloropropane	5.00	3.64		ug/L		73	70 - 130
1,3,5-Trimethylbenzene	5.00	5.11		ug/L		102	70 - 130
1,3-Dichloropropane	5.00	3.67		ug/L		73	70 - 130
2-Butanone (MEK)	50.0	44.8		ug/L		90	70 - 130
4-Methyl-2-pentanone (MIBK)	50.0	37.8		ug/L		76	70 - 130
Acetone	50.0	40.5	J	ug/L		81	70 - 130
Benzene	5.00	3.68		ug/L		74	70 - 130
Bromobenzene	5.00	4.95		ug/L		99	70 - 130
Bromochloromethane	5.00	3.71		ug/L		74	70 - 130
Bromodichloromethane	5.00	3.53		ug/L		71	70 - 130
Bromoform	5.00	5.18		ug/L		104	70 - 130
Bromomethane (Methyl Bromide)	5.00	4.11		ug/L		82	70 - 130

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 380-180269/3
Matrix: Water
Analysis Batch: 180269

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chlorobenzene	5.00	3.72		ug/L		74	70 - 130
Dichloromethane	5.00	3.77		ug/L		75	70 - 130
Ethylbenzene	5.00	3.68		ug/L		74	70 - 130
Hexachlorobutadiene	5.00	4.85		ug/L		97	70 - 130
Isopropylbenzene	5.00	5.22		ug/L		104	70 - 130
m,p-Xylenes	10.0	7.46		ug/L		75	70 - 130
m-Dichlorobenzene (1,3-DCB)	5.00	4.99		ug/L		100	70 - 130
Methyl-tert-butyl Ether (MTBE)	5.00	3.51		ug/L		70	70 - 130
Naphthalene	5.00	5.24		ug/L		105	70 - 130
n-Butylbenzene	5.00	5.01		ug/L		100	70 - 130
N-Propylbenzene	5.00	5.07		ug/L		101	70 - 130
o-Chlorotoluene	5.00	4.82		ug/L		96	70 - 130
o-Dichlorobenzene (1,2-DCB)	5.00	4.86		ug/L		97	70 - 130
o-Xylene	5.00	3.77		ug/L		75	70 - 130
p-Chlorotoluene	5.00	4.96		ug/L		99	70 - 130
p-Dichlorobenzene (1,4-DCB)	5.00	4.97		ug/L		99	70 - 130
p-Isopropyltoluene	5.00	5.00		ug/L		100	70 - 130
sec-Butylbenzene	5.00	5.07		ug/L		101	70 - 130
Styrene	5.00	3.66		ug/L		73	70 - 130
Tert-amyl methyl ether	5.00	3.77		ug/L		75	70 - 130
Tert-butyl ethyl ether	5.00	3.66		ug/L		73	70 - 130
tert-Butylbenzene	5.00	5.01		ug/L		100	70 - 130
Tetrachloroethene (PCE)	5.00	3.61		ug/L		72	70 - 130
Toluene	5.00	3.61		ug/L		72	70 - 130
trans-1,2-Dichloroethylene	5.00	3.60		ug/L		72	70 - 130
Trichloroethylene (TCE)	5.00	3.54		ug/L		71	70 - 130
Bromoethane	5.00	3.82		ug/L		76	70 - 130
Trichlorofluoromethane (Freon 11)	5.00	3.85		ug/L		77	70 - 130
Trichlorotrifluoroethane	5.00	3.95		ug/L		79	70 - 130
Diisopropyl ether	5.00	3.84		ug/L		77	70 - 130
Vinyl Chloride (VC)	5.00	3.55		ug/L		71	70 - 130
Xylenes, Total	15.0	11.2		ug/L		75	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		70 - 130
4-Bromofluorobenzene (Surr)	104		70 - 130
Toluene-d8 (Surr)	89		70 - 130

Lab Sample ID: LCSD 380-180269/4
Matrix: Water
Analysis Batch: 180269

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
1,1,1-Trichloroethane	5.00	3.56		ug/L		71	70 - 130	2	20
1,1,1,2,2-Tetrachloroethane	5.00	4.83		ug/L		97	70 - 130	1	20
1,1-Dichloroethane	5.00	3.73		ug/L		75	70 - 130	1	20
1,1-Dichloroethylene	5.00	3.80		ug/L		76	70 - 130	1	20
1,1-Dichloropropene	5.00	3.53		ug/L		71	70 - 130	0	20

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 380-180269/4
Matrix: Water
Analysis Batch: 180269

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
1,2,3-Trichlorobenzene	5.00	4.83		ug/L		97	70 - 130	8	20
1,2,3-Trichloropropane	5.00	4.90		ug/L		98	70 - 130	1	20
1,2,4-Trichlorobenzene	5.00	5.10		ug/L		102	70 - 130	1	20
1,2,4-Trimethylbenzene	5.00	4.80		ug/L		96	70 - 130	3	20
1,2-Dichloroethane	5.00	3.76		ug/L		75	70 - 130	2	20
1,2-Dichloropropane	5.00	3.59		ug/L		72	70 - 130	1	20
1,3,5-Trimethylbenzene	5.00	5.02		ug/L		100	70 - 130	2	20
1,3-Dichloropropane	5.00	3.74		ug/L		75	70 - 130	2	20
2-Butanone (MEK)	50.0	43.1		ug/L		86	70 - 130	4	20
4-Methyl-2-pentanone (MIBK)	50.0	38.8		ug/L		78	70 - 130	3	20
Acetone	50.0	43.4	J	ug/L		87	70 - 130	7	20
Benzene	5.00	3.74		ug/L		75	70 - 130	2	20
Bromobenzene	5.00	4.88		ug/L		98	70 - 130	1	20
Bromochloromethane	5.00	3.70		ug/L		74	70 - 130	0	20
Bromodichloromethane	5.00	3.48		ug/L		70	70 - 130	1	20
Bromoform	5.00	5.31		ug/L		106	70 - 130	2	20
Bromomethane (Methyl Bromide)	5.00	4.00		ug/L		80	70 - 130	3	20
Chlorobenzene	5.00	3.78		ug/L		76	70 - 130	1	20
Dichloromethane	5.00	3.81		ug/L		76	70 - 130	1	20
Ethylbenzene	5.00	3.75		ug/L		75	70 - 130	2	20
Hexachlorobutadiene	5.00	4.69		ug/L		94	70 - 130	3	20
Isopropylbenzene	5.00	5.21		ug/L		104	70 - 130	0	20
m,p-Xylenes	10.0	7.51		ug/L		75	70 - 130	1	20
m-Dichlorobenzene (1,3-DCB)	5.00	4.95		ug/L		99	70 - 130	1	20
Methyl-tert-butyl Ether (MTBE)	5.00	3.72		ug/L		74	70 - 130	6	20
Naphthalene	5.00	5.14		ug/L		103	70 - 130	2	20
n-Butylbenzene	5.00	4.98		ug/L		100	70 - 130	0	20
N-Propylbenzene	5.00	5.06		ug/L		101	70 - 130	0	20
o-Chlorotoluene	5.00	4.83		ug/L		97	70 - 130	0	20
o-Dichlorobenzene (1,2-DCB)	5.00	4.85		ug/L		97	70 - 130	0	20
o-Xylene	5.00	3.80		ug/L		76	70 - 130	1	20
p-Chlorotoluene	5.00	5.01		ug/L		100	70 - 130	1	20
p-Dichlorobenzene (1,4-DCB)	5.00	4.90		ug/L		98	70 - 130	1	20
p-Isopropyltoluene	5.00	4.88		ug/L		98	70 - 130	2	20
sec-Butylbenzene	5.00	4.98		ug/L		100	70 - 130	2	20
Styrene	5.00	3.70		ug/L		74	70 - 130	1	20
Tert-amyl methyl ether	5.00	3.95		ug/L		79	70 - 130	5	20
Tert-butyl ethyl ether	5.00	3.83		ug/L		77	70 - 130	5	20
tert-Butylbenzene	5.00	4.97		ug/L		99	70 - 130	1	20
Tetrachloroethene (PCE)	5.00	3.58		ug/L		72	70 - 130	1	20
Toluene	5.00	3.63		ug/L		73	70 - 130	1	20
trans-1,2-Dichloroethylene	5.00	3.70		ug/L		74	70 - 130	3	20
Trichloroethylene (TCE)	5.00	3.59		ug/L		72	70 - 130	2	20
Bromoethane	5.00	3.91		ug/L		78	70 - 130	2	20
Trichlorofluoromethane (Freon 11)	5.00	3.85		ug/L		77	70 - 130	0	20
Trichlorotrifluoroethane	5.00	3.97		ug/L		79	70 - 130	1	20
Diisopropyl ether	5.00	3.87		ug/L		77	70 - 130	1	20
Vinyl Chloride (VC)	5.00	3.62		ug/L		72	70 - 130	2	20

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 380-180269/4
Matrix: Water
Analysis Batch: 180269

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
Xylenes, Total	15.0	11.3		ug/L		75	70 - 130	1	20
LCSD LCSD									
Surrogate	%Recovery	Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	95		70 - 130						
4-Bromofluorobenzene (Surr)	102		70 - 130						
Toluene-d8 (Surr)	89		70 - 130						

Lab Sample ID: MB 380-180527/15
Matrix: Water
Analysis Batch: 180527

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.50		0.50	ug/L			10/17/25 13:21	1
Tertiary Butyl Alcohol (TBA)	<2.0		2.0	ug/L			10/17/25 13:21	1
1,1,1-Trichloroethane	<0.50		0.50	ug/L			10/17/25 13:21	1
1,1,1,2-Tetrachloroethane	<0.50		0.50	ug/L			10/17/25 13:21	1
1,1,2-Trichloroethane	<0.50		0.50	ug/L			10/17/25 13:21	1
1,1-Dichloroethane	<0.50		0.50	ug/L			10/17/25 13:21	1
1,1-Dichloroethylene	<0.50		0.50	ug/L			10/17/25 13:21	1
1,1-Dichloropropene	<0.50		0.50	ug/L			10/17/25 13:21	1
1,2,3-Trichlorobenzene	<0.50		0.50	ug/L			10/17/25 13:21	1
1,2,3-Trichloropropane	<0.50		0.50	ug/L			10/17/25 13:21	1
1,2,4-Trichlorobenzene	<0.50		0.50	ug/L			10/17/25 13:21	1
1,2,4-Trimethylbenzene	<0.50		0.50	ug/L			10/17/25 13:21	1
1,2-Dichloroethane	<0.50		0.50	ug/L			10/17/25 13:21	1
1,2-Dichloropropane	<0.50		0.50	ug/L			10/17/25 13:21	1
1,3,5-Trimethylbenzene	<0.50		0.50	ug/L			10/17/25 13:21	1
1,3-Dichloropropane	<0.50		0.50	ug/L			10/17/25 13:21	1
2,2-Dichloropropane	<0.50		0.50	ug/L			10/17/25 13:21	1
2-Butanone (MEK)	<5.0		5.0	ug/L			10/17/25 13:21	1
4-Methyl-2-pentanone (MIBK)	<5.0		5.0	ug/L			10/17/25 13:21	1
Acetone	<500		500	ug/L			10/17/25 13:21	1
Benzene	<0.50		0.50	ug/L			10/17/25 13:21	1
Bromobenzene	<0.50		0.50	ug/L			10/17/25 13:21	1
Bromochloromethane	<0.50		0.50	ug/L			10/17/25 13:21	1
Bromodichloromethane	<0.50		0.50	ug/L			10/17/25 13:21	1
Bromoform	<0.50		0.50	ug/L			10/17/25 13:21	1
Bromomethane (Methyl Bromide)	<0.50		0.50	ug/L			10/17/25 13:21	1
Carbon disulfide	<0.50		0.50	ug/L			10/17/25 13:21	1
Carbon tetrachloride	<0.50		0.50	ug/L			10/17/25 13:21	1
Chlorobenzene	<0.50		0.50	ug/L			10/17/25 13:21	1
Chlorodibromomethane	<0.50		0.50	ug/L			10/17/25 13:21	1
Chloroethane	<0.50		0.50	ug/L			10/17/25 13:21	1
Chloroform (Trichloromethane)	<0.50		0.50	ug/L			10/17/25 13:21	1
cis-1,2-Dichloroethylene	<0.50		0.50	ug/L			10/17/25 13:21	1
cis-1,3-Dichloropropene	<0.50		0.50	ug/L			10/17/25 13:21	1
Dibromomethane	<0.50		0.50	ug/L			10/17/25 13:21	1
Dichlorodifluoromethane	<0.50		0.50	ug/L			10/17/25 13:21	1

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 380-180527/15
Matrix: Water
Analysis Batch: 180527

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichloromethane	<0.50		0.50	ug/L			10/17/25 13:21	1
Ethylbenzene	<0.50		0.50	ug/L			10/17/25 13:21	1
Hexachlorobutadiene	<0.50		0.50	ug/L			10/17/25 13:21	1
Isopropylbenzene	<0.50		0.50	ug/L			10/17/25 13:21	1
m,p-Xylenes	<0.50		0.50	ug/L			10/17/25 13:21	1
m-Dichlorobenzene (1,3-DCB)	<0.50		0.50	ug/L			10/17/25 13:21	1
Methyl-tert-butyl Ether (MTBE)	<0.50		0.50	ug/L			10/17/25 13:21	1
Naphthalene	<0.50		0.50	ug/L			10/17/25 13:21	1
n-Butylbenzene	<0.50		0.50	ug/L			10/17/25 13:21	1
N-Propylbenzene	<0.50		0.50	ug/L			10/17/25 13:21	1
o-Chlorotoluene	<0.50		0.50	ug/L			10/17/25 13:21	1
o-Dichlorobenzene (1,2-DCB)	<0.50		0.50	ug/L			10/17/25 13:21	1
o-Xylene	<0.50		0.50	ug/L			10/17/25 13:21	1
p-Chlorotoluene	<0.50		0.50	ug/L			10/17/25 13:21	1
p-Dichlorobenzene (1,4-DCB)	<0.50		0.50	ug/L			10/17/25 13:21	1
p-Isopropyltoluene	<0.50		0.50	ug/L			10/17/25 13:21	1
sec-Butylbenzene	<0.50		0.50	ug/L			10/17/25 13:21	1
Styrene	<0.50		0.50	ug/L			10/17/25 13:21	1
Tert-amyl methyl ether	<3.0		3.0	ug/L			10/17/25 13:21	1
1,3-Dichloropropene, Total	<0.50		0.50	ug/L			10/17/25 13:21	1
Tert-butyl ethyl ether	<3.0		3.0	ug/L			10/17/25 13:21	1
tert-Butylbenzene	<0.50		0.50	ug/L			10/17/25 13:21	1
Tetrachloroethene (PCE)	<0.50		0.50	ug/L			10/17/25 13:21	1
Toluene	<0.50		0.50	ug/L			10/17/25 13:21	1
trans-1,2-Dichloroethylene	<0.50		0.50	ug/L			10/17/25 13:21	1
trans-1,3-Dichloropropene	<0.50		0.50	ug/L			10/17/25 13:21	1
Trichloroethylene (TCE)	<0.50		0.50	ug/L			10/17/25 13:21	1
Bromoethane	<0.50		0.50	ug/L			10/17/25 13:21	1
Trichlorofluoromethane (Freon 11)	<0.50		0.50	ug/L			10/17/25 13:21	1
Chloromethane (methyl chloride)	<0.50		0.50	ug/L			10/17/25 13:21	1
Trichlorotrifluoroethane	<0.50		0.50	ug/L			10/17/25 13:21	1
Diisopropyl ether	<3.0		3.0	ug/L			10/17/25 13:21	1
Vinyl Chloride (VC)	<0.30		0.30	ug/L			10/17/25 13:21	1
Xylenes, Total	<0.50		0.50	ug/L			10/17/25 13:21	1

<i>Tentatively Identified Compound</i>	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
<i>Tentatively Identified Compound</i>	None		ug/L			N/A		10/17/25 13:21	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		70 - 130		10/17/25 13:21	1
4-Bromofluorobenzene (Surr)	100		70 - 130		10/17/25 13:21	1
Toluene-d8 (Surr)	102		70 - 130		10/17/25 13:21	1

QC Sample Results

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 380-180527/11
Matrix: Water
Analysis Batch: 180527

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	5.00	4.99		ug/L		100	70 - 130
1,1,1-Trichloroethane	5.00	4.92		ug/L		98	70 - 130
1,1,2,2-Tetrachloroethane	5.00	5.15		ug/L		103	70 - 130
1,1,2-Trichloroethane	5.00	4.77		ug/L		95	70 - 130
1,1-Dichloroethane	5.00	5.05		ug/L		101	70 - 130
1,1-Dichlorethylene	5.00	5.00		ug/L		100	70 - 130
1,1-Dichloropropene	5.00	5.06		ug/L		101	70 - 130
1,2,3-Trichlorobenzene	5.00	5.68		ug/L		114	70 - 130
1,2,3-Trichloropropane	5.00	4.97		ug/L		99	70 - 130
1,2,4-Trichlorobenzene	5.00	5.51		ug/L		110	70 - 130
1,2,4-Trimethylbenzene	5.00	5.16		ug/L		103	70 - 130
1,2-Dichloroethane	5.00	4.82		ug/L		96	70 - 130
1,2-Dichloropropane	5.00	5.06		ug/L		101	70 - 130
1,3,5-Trimethylbenzene	5.00	5.32		ug/L		106	70 - 130
1,3-Dichloropropane	5.00	5.09		ug/L		102	70 - 130
2,2-Dichloropropane	5.00	5.04		ug/L		101	70 - 130
2-Butanone (MEK)	50.0	55.7		ug/L		111	70 - 130
4-Methyl-2-pentanone (MIBK)	50.0	53.2		ug/L		106	70 - 130
Acetone	50.0	50.2	J	ug/L		100	70 - 130
Benzene	5.00	5.11		ug/L		102	70 - 130
Bromobenzene	5.00	4.91		ug/L		98	70 - 130
Bromochloromethane	5.00	5.06		ug/L		101	70 - 130
Bromodichloromethane	5.00	5.75		ug/L		115	70 - 130
Bromoform	5.00	5.23		ug/L		105	70 - 130
Bromomethane (Methyl Bromide)	5.00	5.58		ug/L		112	70 - 130
Carbon disulfide	5.00	4.99		ug/L		100	70 - 130
Carbon tetrachloride	5.00	6.65	*+	ug/L		133	70 - 130
Chlorobenzene	5.00	5.28		ug/L		106	70 - 130
Chlorodibromomethane	5.00	5.56		ug/L		111	70 - 130
cis-1,3-Dichloropropene	5.00	5.28		ug/L		106	70 - 130
Dichloromethane	5.00	5.06		ug/L		101	70 - 130
Ethylbenzene	5.00	5.29		ug/L		106	70 - 130
Hexachlorobutadiene	5.00	6.72	*+	ug/L		134	70 - 130
Isopropylbenzene	5.00	5.22		ug/L		104	70 - 130
m,p-Xylenes	10.0	10.8		ug/L		108	70 - 130
m-Dichlorobenzene (1,3-DCB)	5.00	5.15		ug/L		103	70 - 130
Methyl-tert-butyl Ether (MTBE)	5.00	4.99		ug/L		100	70 - 130
Naphthalene	5.00	5.58		ug/L		112	70 - 130
n-Butylbenzene	5.00	5.56		ug/L		111	70 - 130
N-Propylbenzene	5.00	5.33		ug/L		107	70 - 130
o-Chlorotoluene	5.00	5.07		ug/L		101	70 - 130
o-Dichlorobenzene (1,2-DCB)	5.00	5.28		ug/L		106	70 - 130
o-Xylene	5.00	5.32		ug/L		106	70 - 130
p-Chlorotoluene	5.00	5.27		ug/L		105	70 - 130
p-Dichlorobenzene (1,4-DCB)	5.00	5.18		ug/L		104	70 - 130
p-Isopropyltoluene	5.00	5.42		ug/L		108	70 - 130
sec-Butylbenzene	5.00	5.52		ug/L		110	70 - 130
Styrene	5.00	5.27		ug/L		105	70 - 130

QC Sample Results

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 380-180527/11
Matrix: Water
Analysis Batch: 180527

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Tert-amyl methyl ether	5.00	4.91		ug/L		98	70 - 130
1,3-Dichloropropene, Total	10.0	10.5		ug/L		105	70 - 130
Tert-butyl ethyl ether	5.00	5.16		ug/L		103	70 - 130
tert-Butylbenzene	5.00	5.36		ug/L		107	70 - 130
Tetrachloroethene (PCE)	5.00	5.19		ug/L		104	70 - 130
Toluene	5.00	5.06		ug/L		101	70 - 130
trans-1,2-Dichloroethylene	5.00	5.23		ug/L		105	70 - 130
trans-1,3-Dichloropropene	5.00	5.17		ug/L		103	70 - 130
Trichloroethylene (TCE)	5.00	5.04		ug/L		101	70 - 130
Bromoethane	5.00	5.35		ug/L		107	70 - 130
Trichlorofluoromethane (Freon 11)	5.00	5.29		ug/L		106	70 - 130
Trichlorotrifluoroethane	5.00	5.24		ug/L		105	70 - 130
Diisopropyl ether	5.00	4.93		ug/L		99	70 - 130
Vinyl Chloride (VC)	5.00	5.22		ug/L		104	70 - 130
Xylenes, Total	15.0	16.1		ug/L		107	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		70 - 130
4-Bromofluorobenzene (Surr)	98		70 - 130
Toluene-d8 (Surr)	101		70 - 130

Lab Sample ID: LCSD 380-180527/12
Matrix: Water
Analysis Batch: 180527

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
1,1,1,2-Tetrachloroethane	5.00	4.64		ug/L		93	70 - 130	7	20
1,1,1-Trichloroethane	5.00	4.89		ug/L		98	70 - 130	1	20
1,1,1,2,2-Tetrachloroethane	5.00	5.23		ug/L		105	70 - 130	2	20
1,1,2-Trichloroethane	5.00	4.77		ug/L		95	70 - 130	0	20
1,1-Dichloroethane	5.00	4.95		ug/L		99	70 - 130	2	20
1,1-Dichloroethylene	5.00	4.94		ug/L		99	70 - 130	1	20
1,1-Dichloropropene	5.00	4.79		ug/L		96	70 - 130	6	20
1,2,3-Trichlorobenzene	5.00	5.35		ug/L		107	70 - 130	6	20
1,2,3-Trichloropropane	5.00	5.06		ug/L		101	70 - 130	2	20
1,2,4-Trichlorobenzene	5.00	5.16		ug/L		103	70 - 130	7	20
1,2,4-Trimethylbenzene	5.00	4.98		ug/L		100	70 - 130	4	20
1,2-Dichloroethane	5.00	4.97		ug/L		99	70 - 130	3	20
1,2-Dichloropropane	5.00	4.91		ug/L		98	70 - 130	3	20
1,3,5-Trimethylbenzene	5.00	5.22		ug/L		104	70 - 130	2	20
1,3-Dichloropropane	5.00	5.03		ug/L		101	70 - 130	1	20
2,2-Dichloropropane	5.00	4.61		ug/L		92	70 - 130	9	20
2-Butanone (MEK)	50.0	57.2		ug/L		114	70 - 130	3	20
4-Methyl-2-pentanone (MIBK)	50.0	52.6		ug/L		105	70 - 130	1	20
Acetone	50.0	51.6	J	ug/L		103	70 - 130	3	20
Benzene	5.00	5.06		ug/L		101	70 - 130	1	20
Bromobenzene	5.00	4.91		ug/L		98	70 - 130	0	20
Bromochloromethane	5.00	5.10		ug/L		102	70 - 130	1	20

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 380-180527/12
Matrix: Water
Analysis Batch: 180527

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
Bromodichloromethane	5.00	5.19		ug/L		104	70 - 130	10	20
Bromoform	5.00	5.04		ug/L		101	70 - 130	4	20
Bromomethane (Methyl Bromide)	5.00	5.04		ug/L		101	70 - 130	10	20
Carbon disulfide	5.00	4.95		ug/L		99	70 - 130	1	20
Carbon tetrachloride	5.00	5.44		ug/L		109	70 - 130	20	20
Chlorobenzene	5.00	5.07		ug/L		101	70 - 130	4	20
Chlorodibromomethane	5.00	5.12		ug/L		102	70 - 130	8	20
cis-1,3-Dichloropropene	5.00	4.85		ug/L		97	70 - 130	9	20
Dichloromethane	5.00	5.03		ug/L		101	70 - 130	1	20
Ethylbenzene	5.00	5.13		ug/L		103	70 - 130	3	20
Hexachlorobutadiene	5.00	5.90		ug/L		118	70 - 130	13	20
Isopropylbenzene	5.00	5.24		ug/L		105	70 - 130	0	20
m,p-Xylenes	10.0	10.5		ug/L		105	70 - 130	3	20
m-Dichlorobenzene (1,3-DCB)	5.00	5.13		ug/L		103	70 - 130	1	20
Methyl-tert-butyl Ether (MTBE)	5.00	4.70		ug/L		94	70 - 130	6	20
Naphthalene	5.00	5.31		ug/L		106	70 - 130	5	20
n-Butylbenzene	5.00	5.21		ug/L		104	70 - 130	6	20
N-Propylbenzene	5.00	5.23		ug/L		105	70 - 130	2	20
o-Chlorotoluene	5.00	5.22		ug/L		104	70 - 130	3	20
o-Dichlorobenzene (1,2-DCB)	5.00	5.17		ug/L		103	70 - 130	2	20
o-Xylene	5.00	5.16		ug/L		103	70 - 130	3	20
p-Chlorotoluene	5.00	5.17		ug/L		103	70 - 130	2	20
p-Dichlorobenzene (1,4-DCB)	5.00	5.18		ug/L		104	70 - 130	0	20
p-Isopropyltoluene	5.00	5.25		ug/L		105	70 - 130	3	20
sec-Butylbenzene	5.00	5.33		ug/L		107	70 - 130	4	20
Styrene	5.00	5.11		ug/L		102	70 - 130	3	20
Tert-amyl methyl ether	5.00	4.71		ug/L		94	70 - 130	4	20
1,3-Dichloropropene, Total	10.0	9.72		ug/L		97	70 - 130	7	20
Tert-butyl ethyl ether	5.00	4.77		ug/L		95	70 - 130	8	20
tert-Butylbenzene	5.00	5.26		ug/L		105	70 - 130	2	20
Tetrachloroethene (PCE)	5.00	4.98		ug/L		100	70 - 130	4	20
Toluene	5.00	4.92		ug/L		98	70 - 130	3	20
trans-1,2-Dichloroethylene	5.00	4.99		ug/L		100	70 - 130	5	20
trans-1,3-Dichloropropene	5.00	4.87		ug/L		97	70 - 130	6	20
Trichloroethylene (TCE)	5.00	4.94		ug/L		99	70 - 130	2	20
Bromoethane	5.00	5.10		ug/L		102	70 - 130	5	20
Trichlorofluoromethane (Freon 11)	5.00	5.15		ug/L		103	70 - 130	3	20
Trichlorotrifluoroethane	5.00	5.04		ug/L		101	70 - 130	4	20
Diisopropyl ether	5.00	4.90		ug/L		98	70 - 130	1	20
Vinyl Chloride (VC)	5.00	4.93		ug/L		99	70 - 130	6	20
Xylenes, Total	15.0	15.6		ug/L		104	70 - 130	3	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		70 - 130
4-Bromofluorobenzene (Surr)	99		70 - 130
Toluene-d8 (Surr)	99		70 - 130

QC Sample Results

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MRL 380-180527/13
Matrix: Water
Analysis Batch: 180527

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
m,p-Xylenes	0.500	0.557		ug/L		111	50 - 150
Vinyl Chloride (VC)	0.250	0.276	J	ug/L		111	50 - 150

Surrogate	MRL %Recovery	MRL Qualifier	MRL Limits
1,2-Dichloroethane-d4 (Surr)	98		70 - 130
4-Bromofluorobenzene (Surr)	98		70 - 130
Toluene-d8 (Surr)	101		70 - 130

Lab Sample ID: MRL 380-180527/14
Matrix: Water
Analysis Batch: 180527

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	0.500	0.386	J	ug/L		77	50 - 150
1,1,1-Trichloroethane	0.500	0.443	J	ug/L		89	50 - 150
1,1,2,2-Tetrachloroethane	0.500	0.445	J	ug/L		89	50 - 150
1,1,2-Trichloroethane	0.500	0.532		ug/L		106	50 - 150
1,1-Dichloroethane	0.500	0.483	J	ug/L		97	50 - 150
1,1-Dichlorethylene	0.500	0.523		ug/L		105	50 - 150
1,1-Dichloropropene	0.500	0.473	J	ug/L		95	50 - 150
1,2,3-Trichlorobenzene	0.500	0.654		ug/L		131	50 - 150
1,2,3-Trichloropropane	0.500	0.464	J	ug/L		93	50 - 150
1,2,4-Trichlorobenzene	0.500	0.578		ug/L		116	50 - 150
1,2,4-Trimethylbenzene	0.500	0.495	J	ug/L		99	50 - 150
1,2-Dichloroethane	0.500	0.485	J	ug/L		97	50 - 150
1,2-Dichloropropane	0.500	0.459	J	ug/L		92	50 - 150
1,3,5-Trimethylbenzene	0.500	0.504		ug/L		101	50 - 150
1,3-Dichloropropane	0.500	0.486	J	ug/L		97	50 - 150
2,2-Dichloropropane	0.500	0.414	J	ug/L		83	50 - 150
2-Butanone (MEK)	5.00	6.30		ug/L		126	50 - 150
4-Methyl-2-pentanone (MIBK)	5.00	6.12		ug/L		122	50 - 150
Acetone	5.00	<4.0		ug/L		73	50 - 150
Benzene	0.500	0.477	J	ug/L		95	50 - 150
Bromobenzene	0.500	0.486	J	ug/L		97	50 - 150
Bromochloromethane	0.500	0.460	J	ug/L		92	50 - 150
Bromodichloromethane	0.500	0.586		ug/L		117	50 - 150
Bromoform	0.500	0.538		ug/L		108	50 - 150
Bromomethane (Methyl Bromide)	0.500	0.569		ug/L		114	50 - 150
Carbon disulfide	0.500	0.522		ug/L		104	50 - 150
Carbon tetrachloride	0.500	0.529		ug/L		106	50 - 150
Chlorobenzene	0.500	0.482	J	ug/L		96	50 - 150
Chlorodibromomethane	0.500	0.622		ug/L		124	50 - 150
cis-1,3-Dichloropropene	0.500	0.405	J	ug/L		81	50 - 150
Dichloromethane	0.500	0.500		ug/L		100	50 - 150
Ethylbenzene	0.500	0.514		ug/L		103	50 - 150
Hexachlorobutadiene	0.500	0.727		ug/L		145	50 - 150
Isopropylbenzene	0.500	0.488	J	ug/L		98	50 - 150
m,p-Xylenes	1.00	1.00		ug/L		100	50 - 150

QC Sample Results

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MRL 380-180527/14
Matrix: Water
Analysis Batch: 180527

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
m-Dichlorobenzene (1,3-DCB)	0.500	0.525		ug/L		105	50 - 150
Methyl-tert-butyl Ether (MTBE)	0.500	0.581		ug/L		116	50 - 150
Naphthalene	0.500	0.609		ug/L		122	50 - 150
n-Butylbenzene	0.500	0.528		ug/L		106	50 - 150
N-Propylbenzene	0.500	0.502		ug/L		100	50 - 150
o-Chlorotoluene	0.500	0.471	J	ug/L		94	50 - 150
o-Dichlorobenzene (1,2-DCB)	0.500	0.516		ug/L		103	50 - 150
o-Xylene	0.500	0.487	J	ug/L		97	50 - 150
p-Chlorotoluene	0.500	0.502		ug/L		100	50 - 150
p-Dichlorobenzene (1,4-DCB)	0.500	0.515		ug/L		103	50 - 150
p-Isopropyltoluene	0.500	0.502		ug/L		100	50 - 150
sec-Butylbenzene	0.500	0.526		ug/L		105	50 - 150
Styrene	0.500	0.482	J	ug/L		96	50 - 150
Tert-amyl methyl ether	0.500	0.529	J	ug/L		106	50 - 150
1,3-Dichloropropene, Total	1.00	0.960		ug/L		96	50 - 150
Tert-butyl ethyl ether	0.500	0.559	J	ug/L		112	50 - 150
tert-Butylbenzene	0.500	0.509		ug/L		102	50 - 150
Tetrachloroethene (PCE)	0.500	0.500		ug/L		100	50 - 150
Toluene	0.500	0.486	J	ug/L		97	50 - 150
trans-1,2-Dichloroethylene	0.500	0.537		ug/L		107	50 - 150
trans-1,3-Dichloropropene	0.500	0.555		ug/L		111	50 - 150
Trichloroethylene (TCE)	0.500	0.474	J	ug/L		95	50 - 150
Bromoethane	0.500	0.564		ug/L		113	50 - 150
Trichlorofluoromethane (Freon 11)	0.500	0.486	J	ug/L		97	50 - 150
Trichlorotrifluoroethane	0.500	0.488	J	ug/L		98	50 - 150
Diisopropyl ether	0.500	0.599	J	ug/L		120	50 - 150
Vinyl Chloride (VC)	0.500	0.490		ug/L		98	50 - 150
Xylenes, Total	1.50	1.49		ug/L		99	50 - 150

Surrogate	MRL %Recovery	MRL Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		70 - 130
4-Bromofluorobenzene (Surr)	99		70 - 130
Toluene-d8 (Surr)	101		70 - 130

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

Lab Sample ID: MB 380-180266/20-A
Matrix: Water
Analysis Batch: 180478

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 180266

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2,4'-DDD	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 13:49	1
2,4'-DDE	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 13:49	1
2,4'-DDT	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 13:49	1
2,4-Dinitrotoluene	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 13:49	1
2,6-Dinitrotoluene	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 13:49	1
4,4'-DDD	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 13:49	1
4,4'-DDE	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 13:49	1

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-177079-1
 SDG: Quarterly: Ka'amilo Wells P1

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

Lab Sample ID: MB 380-180266/20-A
Matrix: Water
Analysis Batch: 180478

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 180266

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
4,4'-DDT	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 13:49	1
Acenaphthene	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 13:49	1
Acenaphthylene	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 13:49	1
Acetochlor	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 13:49	1
Alachlor	<0.049		0.049	ug/L		10/16/25 13:27	10/17/25 13:49	1
alpha-BHC	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 13:49	1
alpha-Chlordane	<0.049		0.049	ug/L		10/16/25 13:27	10/17/25 13:49	1
Anthracene	<0.020		0.020	ug/L		10/16/25 13:27	10/17/25 13:49	1
Atrazine	<0.049		0.049	ug/L		10/16/25 13:27	10/17/25 13:49	1
Benz(a)anthracene	<0.049		0.049	ug/L		10/16/25 13:27	10/17/25 13:49	1
Benzo[a]pyrene	<0.020		0.020	ug/L		10/16/25 13:27	10/17/25 13:49	1
Benzo[b]fluoranthene	<0.020		0.020	ug/L		10/16/25 13:27	10/17/25 13:49	1
Benzo[g,h,i]perylene	<0.049		0.049	ug/L		10/16/25 13:27	10/17/25 13:49	1
Benzo[k]fluoranthene	<0.020		0.020	ug/L		10/16/25 13:27	10/17/25 13:49	1
beta-BHC	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 13:49	1
Bis(2-ethylhexyl) phthalate	<0.59		0.59	ug/L		10/16/25 13:27	10/17/25 13:49	1
Aldrin	<0.0098		0.0098	ug/L		10/16/25 13:27	10/17/25 13:49	1
Bromacil	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 13:49	1
Butachlor	<0.049		0.049	ug/L		10/16/25 13:27	10/17/25 13:49	1
Butylbenzylphthalate	<0.49		0.49	ug/L		10/16/25 13:27	10/17/25 13:49	1
Chlorobenzilate	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 13:49	1
Chloroneb	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 13:49	1
Chlorothalonil (Draconil, Bravo)	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 13:49	1
Chlorpyrifos	<0.049		0.049	ug/L		10/16/25 13:27	10/17/25 13:49	1
Chrysene	<0.020		0.020	ug/L		10/16/25 13:27	10/17/25 13:49	1
delta-BHC	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 13:49	1
Di(2-ethylhexyl)adipate	<0.59		0.59	ug/L		10/16/25 13:27	10/17/25 13:49	1
Dibenz(a,h)anthracene	<0.049		0.049	ug/L		10/16/25 13:27	10/17/25 13:49	1
Diclorvos (DDVP)	<0.049		0.049	ug/L		10/16/25 13:27	10/17/25 13:49	1
Dieldrin	<0.0098		0.0098	ug/L		10/16/25 13:27	10/17/25 13:49	1
Diethylphthalate	<0.49		0.49	ug/L		10/16/25 13:27	10/17/25 13:49	1
Dimethylphthalate	<0.49		0.49	ug/L		10/16/25 13:27	10/17/25 13:49	1
Di-n-butyl phthalate	<0.98		0.98	ug/L		10/16/25 13:27	10/17/25 13:49	1
Di-n-octyl phthalate	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 13:49	1
Endosulfan I (Alpha)	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 13:49	1
Endosulfan II (Beta)	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 13:49	1
Endosulfan sulfate	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 13:49	1
Endrin	<0.0098		0.0098	ug/L		10/16/25 13:27	10/17/25 13:49	1
Endrin aldehyde	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 13:49	1
EPTC	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 13:49	1
Fluoranthene	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 13:49	1
Fluorene	<0.049		0.049	ug/L		10/16/25 13:27	10/17/25 13:49	1
gamma-BHC (Lindane)	<0.0098		0.0098	ug/L		10/16/25 13:27	10/17/25 13:49	1
gamma-Chlordane	<0.049		0.049	ug/L		10/16/25 13:27	10/17/25 13:49	1
Heptachlor	<0.0098		0.0098	ug/L		10/16/25 13:27	10/17/25 13:49	1
Heptachlor epoxide (isomer B)	<0.0098		0.0098	ug/L		10/16/25 13:27	10/17/25 13:49	1
Hexachlorobenzene	<0.049		0.049	ug/L		10/16/25 13:27	10/17/25 13:49	1
Hexachlorocyclopentadiene	<0.049		0.049	ug/L		10/16/25 13:27	10/17/25 13:49	1
Indeno[1,2,3-cd]pyrene	<0.049		0.049	ug/L		10/16/25 13:27	10/17/25 13:49	1

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

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

Lab Sample ID: MB 380-180266/20-A
Matrix: Water
Analysis Batch: 180478

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 180266

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Isophorone	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 13:49	1
Malathion	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 13:49	1
Methoxychlor	<0.049		0.049	ug/L		10/16/25 13:27	10/17/25 13:49	1
Metolachlor	<0.049		0.049	ug/L		10/16/25 13:27	10/17/25 13:49	1
Molinate	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 13:49	1
Naphthalene	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 13:49	1
Parathion	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 13:49	1
Pendimethalin (Penoxaline)	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 13:49	1
Phenanthrene	<0.039		0.039	ug/L		10/16/25 13:27	10/17/25 13:49	1
Propachlor	<0.049		0.049	ug/L		10/16/25 13:27	10/17/25 13:49	1
Pyrene	<0.049		0.049	ug/L		10/16/25 13:27	10/17/25 13:49	1
Simazine	<0.049		0.049	ug/L		10/16/25 13:27	10/17/25 13:49	1
Terbacil	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 13:49	1
Terbuthylazine	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 13:49	1
Thiobencarb	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 13:49	1
Total Permethrin (mixed isomers)	<0.20		0.20	ug/L		10/16/25 13:27	10/17/25 13:49	1
trans-Nonachlor	<0.049		0.049	ug/L		10/16/25 13:27	10/17/25 13:49	1
Trifluralin	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 13:49	1
1-Methylnaphthalene	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 13:49	1
2-Methylnaphthalene	<0.098		0.098	ug/L		10/16/25 13:27	10/17/25 13:49	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Cyclopentasiloxane, decamethyl-	0.505	T J N	ug/L		3.28	541-02-6	10/16/25 13:27	10/17/25 13:49	1
Cyclohexasiloxane, dodecamethyl-	0.701	T J N	ug/L		3.89	540-97-6	10/16/25 13:27	10/17/25 13:49	1
Phenol, 4-(1,1-dimethylpropyl)-	0.533	T J N	ug/L		4.27	80-46-6	10/16/25 13:27	10/17/25 13:49	1
9-Octadecenamide, (Z)-	1.44	T J N	ug/L		7.90	301-02-0	10/16/25 13:27	10/17/25 13:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Nitro-m-xylene	99		70 - 130	10/16/25 13:27	10/17/25 13:49	1
Perylene-d12	86		70 - 130	10/16/25 13:27	10/17/25 13:49	1
Triphenylphosphate	105		70 - 130	10/16/25 13:27	10/17/25 13:49	1

Lab Sample ID: LCS 380-180266/22-A
Matrix: Water
Analysis Batch: 180478

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 180266

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4'-DDD	1.96	2.05		ug/L		105	70 - 130
2,4'-DDE	1.96	2.09		ug/L		106	70 - 130
2,4'-DDT	1.96	2.03		ug/L		103	70 - 130
2,4-Dinitrotoluene	1.96	1.99		ug/L		101	70 - 130
2,6-Dinitrotoluene	1.96	2.03		ug/L		104	70 - 130
4,4'-DDD	1.96	2.16		ug/L		110	70 - 130
4,4'-DDE	1.96	2.16		ug/L		110	70 - 130
4,4'-DDT	1.96	1.88		ug/L		96	70 - 130
Acenaphthene	1.96	1.96		ug/L		100	70 - 130
Acenaphthylene	1.96	1.92		ug/L		98	70 - 130
Acetochlor	1.96	2.19		ug/L		111	70 - 130

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

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

Lab Sample ID: LCS 380-180266/22-A
Matrix: Water
Analysis Batch: 180478

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 180266

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alachlor	1.96	2.23		ug/L		113	70 - 130
alpha-BHC	1.96	2.09		ug/L		106	70 - 130
alpha-Chlordane	1.96	2.08		ug/L		106	70 - 130
Anthracene	1.96	1.81		ug/L		92	70 - 130
Atrazine	1.96	2.27		ug/L		116	70 - 130
Benz(a)anthracene	1.96	1.88		ug/L		96	70 - 130
Benzo[a]pyrene	1.96	1.87		ug/L		95	70 - 130
Benzo[b]fluoranthene	1.96	2.02		ug/L		103	70 - 130
Benzo[g,h,i]perylene	1.96	1.93		ug/L		98	70 - 130
Benzo[k]fluoranthene	1.96	1.93		ug/L		98	70 - 130
beta-BHC	1.96	2.11		ug/L		108	70 - 130
Bis(2-ethylhexyl) phthalate	1.96	2.10		ug/L		107	70 - 130
Aldrin	1.96	1.67		ug/L		85	70 - 130
Bromacil	1.96	2.18		ug/L		111	70 - 130
Butachlor	1.96	2.12		ug/L		108	70 - 130
Butylbenzylphthalate	1.96	2.27		ug/L		116	70 - 130
Chlorobenzilate	1.96	2.23		ug/L		114	70 - 130
Chloroneb	1.96	1.96		ug/L		100	70 - 130
Chlorothalonil (Draconil, Bravo)	1.96	2.24		ug/L		114	70 - 130
Chlorpyrifos	1.96	2.13		ug/L		108	70 - 130
Chrysene	1.96	1.90		ug/L		97	70 - 130
delta-BHC	1.96	2.10		ug/L		107	70 - 130
Di(2-ethylhexyl)adipate	1.96	2.29		ug/L		117	70 - 130
Dibenz(a,h)anthracene	1.96	1.98		ug/L		101	70 - 130
Diclorvos (DDVP)	1.96	2.09		ug/L		107	70 - 130
Dieldrin	1.96	2.00		ug/L		102	70 - 130
Diethylphthalate	1.96	2.21		ug/L		112	70 - 130
Dimethylphthalate	1.96	2.17		ug/L		111	70 - 130
Di-n-butyl phthalate	3.93	4.52		ug/L		115	70 - 130
Di-n-octyl phthalate	1.96	2.11		ug/L		107	70 - 130
Endosulfan I (Alpha)	1.96	1.98		ug/L		101	70 - 130
Endosulfan II (Beta)	1.96	2.08		ug/L		106	70 - 130
Endosulfan sulfate	1.96	2.14		ug/L		109	70 - 130
Endrin	1.96	2.09		ug/L		107	70 - 130
Endrin aldehyde	1.96	2.08		ug/L		106	60 - 130
EPTC	1.96	2.12		ug/L		108	70 - 130
Fluoranthene	1.96	2.13		ug/L		109	70 - 130
Fluorene	1.96	2.04		ug/L		104	70 - 130
gamma-BHC (Lindane)	1.96	2.06		ug/L		105	70 - 130
gamma-Chlordane	1.96	2.11		ug/L		107	70 - 130
Heptachlor	1.96	2.11		ug/L		108	70 - 130
Heptachlor epoxide (isomer B)	1.96	2.09		ug/L		107	70 - 130
Hexachlorobenzene	1.96	2.15		ug/L		110	70 - 130
Hexachlorocyclopentadiene	1.96	1.95		ug/L		99	70 - 130
Indeno[1,2,3-cd]pyrene	1.96	1.99		ug/L		101	70 - 130
Isophorone	1.96	2.02		ug/L		103	70 - 130
Malathion	1.96	2.10		ug/L		107	70 - 130
Methoxychlor	1.96	2.04		ug/L		104	70 - 130
Metolachlor	1.96	2.07		ug/L		105	70 - 130

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

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

Lab Sample ID: LCS 380-180266/22-A
Matrix: Water
Analysis Batch: 180478

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 180266

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Molinate	1.96	2.14		ug/L		109	70 - 130
Naphthalene	1.96	1.88		ug/L		96	70 - 130
Parathion	1.96	2.20		ug/L		112	70 - 130
Pendimethalin (Penoxaline)	1.96	1.91		ug/L		97	70 - 130
Phenanthrene	1.96	2.02		ug/L		103	70 - 130
Propachlor	1.96	2.21		ug/L		113	70 - 130
Pyrene	1.96	2.11		ug/L		108	70 - 130
Simazine	1.96	2.18		ug/L		111	70 - 130
Terbacil	1.96	2.20		ug/L		112	70 - 130
Terbutylazine	1.96	2.28		ug/L		116	70 - 130
Thiobencarb	1.96	2.20		ug/L		112	70 - 130
trans-Nonachlor	1.96	1.91		ug/L		97	70 - 130
Trifluralin	1.96	1.97		ug/L		100	70 - 130
1-Methylnaphthalene	1.96	1.87		ug/L		95	70 - 130
2-Methylnaphthalene	1.96	1.91		ug/L		97	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2-Nitro-m-xylene	98		70 - 130
Perylene-d12	93		70 - 130
Triphenylphosphate	106		70 - 130

Lab Sample ID: MRL 380-180266/21-A
Matrix: Water
Analysis Batch: 180478

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 180266

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
2,4'-DDD	0.0985	0.0908	J	ug/L		92	50 - 150
2,4'-DDE	0.0985	0.102		ug/L		104	50 - 150
2,4'-DDT	0.0985	0.0952	J	ug/L		97	50 - 150
2,4-Dinitrotoluene	0.0985	0.101		ug/L		103	50 - 150
2,6-Dinitrotoluene	0.0985	0.126		ug/L		128	50 - 150
4,4'-DDD	0.0985	0.101		ug/L		103	50 - 150
4,4'-DDE	0.0985	0.0966	J	ug/L		98	50 - 150
4,4'-DDT	0.0985	0.113		ug/L		115	50 - 150
Acenaphthene	0.0985	0.0941	J	ug/L		96	50 - 150
Acenaphthylene	0.0985	0.0937	J	ug/L		95	50 - 150
Acetochlor	0.0985	0.123		ug/L		125	50 - 150
Alachlor	0.0492	0.0592		ug/L		120	50 - 150
alpha-BHC	0.0985	0.108		ug/L		109	50 - 150
alpha-Chlordane	0.0246	<0.029		ug/L		114	50 - 150
Anthracene	0.0197	0.0222		ug/L		113	50 - 150
Atrazine	0.0492	0.0550		ug/L		112	50 - 150
Benz(a)anthracene	0.0492	0.0538		ug/L		109	50 - 150
Benzo[a]pyrene	0.0197	0.0220		ug/L		112	50 - 150
Benzo[b]fluoranthene	0.0197	0.0249		ug/L		127	50 - 150
Benzo[g,h,i]perylene	0.0492	0.0495		ug/L		101	50 - 150
Benzo[k]fluoranthene	0.0197	0.0239		ug/L		121	50 - 150
beta-BHC	0.0985	0.116		ug/L		118	50 - 150

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

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

Lab Sample ID: MRL 380-180266/21-A
Matrix: Water
Analysis Batch: 180478

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 180266

Analyte	Spike	MRL	MRL	Unit	D	%Rec	%Rec Limits
	Added	Result	Qualifier				
Bis(2-ethylhexyl) phthalate	0.591	0.657		ug/L		111	50 - 150
Aldrin	0.00985	<0.0098		ug/L		71	50 - 150
Bromacil	0.0985	0.136		ug/L		138	50 - 150
Butachlor	0.0492	0.0668		ug/L		136	50 - 150
Butylbenzylphthalate	0.492	0.628		ug/L		128	50 - 150
Chlorobenzilate	0.0985	0.111		ug/L		112	50 - 150
Chloroneb	0.0985	0.118		ug/L		119	50 - 150
Chlorothalonil (Draconil, Bravo)	0.0985	0.0924	J	ug/L		94	50 - 150
Chlorpyrifos	0.0492	0.0523		ug/L		106	50 - 150
Chrysene	0.0197	0.0229		ug/L		116	50 - 150
delta-BHC	0.0985	0.106		ug/L		107	50 - 150
Di(2-ethylhexyl)adipate	0.591	0.745		ug/L		126	50 - 150
Dibenz(a,h)anthracene	0.0492	0.0499		ug/L		101	50 - 150
Diclorvos (DDVP)	0.0492	0.0629		ug/L		128	50 - 150
Dieldrin	0.00985	0.0113		ug/L		115	50 - 150
Diethylphthalate	0.492	0.595		ug/L		121	50 - 150
Dimethylphthalate	0.492	0.569		ug/L		116	50 - 150
Di-n-butyl phthalate	0.492	0.661	J	ug/L		134	49 - 243
Di-n-octyl phthalate	0.0985	0.0965	J	ug/L		98	50 - 150
Endosulfan I (Alpha)	0.0985	0.103		ug/L		105	50 - 150
Endosulfan II (Beta)	0.0985	0.105		ug/L		107	50 - 150
Endosulfan sulfate	0.0985	0.103		ug/L		104	50 - 150
Endrin	0.00985	0.0106		ug/L		108	50 - 150
Endrin aldehyde	0.0985	0.123		ug/L		125	50 - 150
EPTC	0.0985	0.115		ug/L		117	50 - 150
Fluoranthene	0.0985	0.111		ug/L		113	50 - 150
Fluorene	0.0492	0.0538		ug/L		109	50 - 150
gamma-BHC (Lindane)	0.00985	0.0118		ug/L		120	50 - 150
gamma-Chlordane	0.0246	0.0276	J	ug/L		112	50 - 150
Heptachlor	0.00985	0.0100		ug/L		102	50 - 150
Heptachlor epoxide (isomer B)	0.00985	0.0105		ug/L		107	50 - 150
Hexachlorobenzene	0.0492	0.0517		ug/L		105	50 - 150
Hexachlorocyclopentadiene	0.0492	0.0469	J	ug/L		95	50 - 150
Indeno[1,2,3-cd]pyrene	0.0492	0.0523		ug/L		106	50 - 150
Isophorone	0.0985	0.127		ug/L		129	50 - 150
Malathion	0.0985	0.116		ug/L		118	50 - 150
Methoxychlor	0.0492	0.0570		ug/L		116	50 - 150
Metolachlor	0.0492	0.0627		ug/L		127	50 - 150
Molinate	0.0985	0.111		ug/L		113	50 - 150
Naphthalene	0.0985	0.121		ug/L		123	50 - 150
Parathion	0.0985	0.0926	J	ug/L		94	50 - 150
Pendimethalin (Penoxaline)	0.0985	0.0936	J	ug/L		95	50 - 150
Phenanthrene	0.0394	0.0420		ug/L		107	50 - 150
Propachlor	0.0492	0.0614		ug/L		125	50 - 150
Pyrene	0.0492	0.0552		ug/L		112	50 - 150
Simazine	0.0492	0.0507		ug/L		103	50 - 150
Terbacil	0.0985	0.121		ug/L		123	50 - 150
Terbutylazine	0.0985	0.117		ug/L		119	50 - 150
Thiobencarb	0.0985	0.117		ug/L		118	50 - 150

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

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

Lab Sample ID: MRL 380-180266/21-A
Matrix: Water
Analysis Batch: 180478

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 180266

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
trans-Nonachlor	0.0246	<0.026		ug/L		98	50 - 150
Trifluralin	0.0985	0.103		ug/L		105	50 - 150
1-Methylnaphthalene	0.0985	0.118		ug/L		120	50 - 150
2-Methylnaphthalene	0.0985	0.113		ug/L		114	50 - 150
Surrogate							
	MRL	MRL					
	%Recovery	Qualifier					Limits
2-Nitro-m-xylene	98						70 - 130
Perylene-d12	86						70 - 130
Triphenylphosphate	104						70 - 130

Lab Sample ID: 380-177079-1 MS
Matrix: Water
Analysis Batch: 180478

Client Sample ID: Ka'amilo Wells P1
Prep Type: Total/NA
Prep Batch: 180266

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2,4'-DDD	<0.098		1.97	2.13		ug/L		108	70 - 130
2,4'-DDE	<0.098		1.97	2.15		ug/L		109	70 - 130
2,4'-DDT	<0.098		1.97	2.13		ug/L		108	70 - 130
2,4-Dinitrotoluene	<0.098		1.97	2.06		ug/L		105	70 - 130
2,6-Dinitrotoluene	<0.098		1.97	2.07		ug/L		105	70 - 130
4,4'-DDD	<0.098		1.97	2.22		ug/L		113	70 - 130
4,4'-DDE	<0.098		1.97	2.21		ug/L		112	70 - 130
4,4'-DDT	<0.098		1.97	1.99		ug/L		101	70 - 130
Acenaphthene	<0.098		1.97	1.97		ug/L		100	70 - 130
Acenaphthylene	<0.098		1.97	1.96		ug/L		100	70 - 130
Acetochlor	<0.098		1.97	2.22		ug/L		113	70 - 130
Alachlor	<0.049		1.97	2.28		ug/L		116	70 - 130
alpha-BHC	<0.098		1.97	2.12		ug/L		108	70 - 130
alpha-Chlordane	<0.049		1.97	2.19		ug/L		110	70 - 130
Anthracene	<0.020	F1	1.97	1.06	F1	ug/L		54	70 - 130
Atrazine	<0.049		1.97	2.31		ug/L		117	70 - 130
Benz(a)anthracene	<0.049		1.97	1.81		ug/L		92	70 - 130
Benzo[a]pyrene	<0.020		1.97	1.59		ug/L		81	70 - 130
Benzo[b]fluoranthene	<0.020		1.97	2.02		ug/L		103	70 - 130
Benzo[g,h,i]perylene	<0.049		1.97	1.98		ug/L		101	70 - 130
Benzo[k]fluoranthene	<0.020		1.97	1.99		ug/L		101	70 - 130
beta-BHC	<0.098		1.97	2.15		ug/L		109	70 - 130
Bis(2-ethylhexyl) phthalate	<0.59		1.97	2.16		ug/L		110	70 - 130
Aldrin	<0.0098		1.97	1.75		ug/L		89	70 - 130
Bromacil	<0.098		1.97	2.26		ug/L		113	70 - 130
Butachlor	<0.049		1.97	2.20		ug/L		112	70 - 130
Butylbenzylphthalate	<0.49		1.97	2.32		ug/L		118	70 - 130
Chlorobenzilate	<0.098		1.97	2.30		ug/L		117	70 - 130
Chloroneb	<0.098		1.97	1.97		ug/L		100	70 - 130
Chlorothalonil (Draconil, Bravo)	<0.098		1.97	2.33		ug/L		118	70 - 130
Chlorpyrifos	<0.049		1.97	2.29		ug/L		117	70 - 130
Chrysene	<0.020		1.97	1.93		ug/L		98	70 - 130
delta-BHC	<0.098		1.97	2.12		ug/L		108	70 - 130

QC Sample Results

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

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

Lab Sample ID: 380-177079-1 MS

Matrix: Water

Analysis Batch: 180478

Client Sample ID: Ka'amilo Wells P1

Prep Type: Total/NA

Prep Batch: 180266

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier	Added	Result	Qualifier				
Di(2-ethylhexyl)adipate	<0.59		1.97	2.36		ug/L		120	70 - 130
Dibenz(a,h)anthracene	<0.049		1.97	2.01		ug/L		102	70 - 130
Diclorvos (DDVP)	<0.049		1.97	2.08		ug/L		106	70 - 130
Dieldrin	0.064		1.97	2.19		ug/L		108	70 - 130
Diethylphthalate	<0.49		1.97	2.23		ug/L		113	70 - 130
Dimethylphthalate	<0.49		1.97	2.18		ug/L		111	70 - 130
Di-n-butyl phthalate	<0.98		3.93	4.61		ug/L		117	70 - 130
Di-n-octyl phthalate	<0.098		1.97	2.18		ug/L		111	70 - 130
Endosulfan I (Alpha)	<0.098		1.97	2.03		ug/L		103	70 - 130
Endosulfan II (Beta)	<0.098		1.97	2.10		ug/L		107	70 - 130
Endosulfan sulfate	<0.098		1.97	2.25		ug/L		114	70 - 130
Endrin	<0.0098		1.97	2.19		ug/L		112	70 - 130
Endrin aldehyde	<0.098		1.97	1.99		ug/L		101	60 - 130
EPTC	<0.098		1.97	2.12		ug/L		108	70 - 130
Fluoranthene	<0.098		1.97	2.20		ug/L		112	70 - 130
Fluorene	<0.049		1.97	2.04		ug/L		104	70 - 130
gamma-BHC (Lindane)	<0.0098		1.97	2.06		ug/L		105	70 - 130
gamma-Chlordane	<0.049		1.97	2.21		ug/L		111	70 - 130
Heptachlor	<0.0098		1.97	2.19		ug/L		111	70 - 130
Heptachlor epoxide (isomer B)	0.013		1.97	2.16		ug/L		109	70 - 130
Hexachlorobenzene	<0.049		1.97	2.15		ug/L		109	70 - 130
Hexachlorocyclopentadiene	<0.049		1.97	2.00		ug/L		102	70 - 130
Indeno[1,2,3-cd]pyrene	<0.049		1.97	2.08		ug/L		106	70 - 130
Isophorone	<0.098		1.97	2.07		ug/L		105	70 - 130
Malathion	<0.098		1.97	2.16		ug/L		110	70 - 130
Methoxychlor	<0.049		1.97	2.11		ug/L		107	70 - 130
Metolachlor	<0.049		1.97	2.10		ug/L		107	70 - 130
Molinate	<0.098		1.97	2.14		ug/L		109	70 - 130
Naphthalene	<0.098		1.97	1.88		ug/L		96	70 - 130
Parathion	<0.098		1.97	2.33		ug/L		118	70 - 130
Pendimethalin (Penoxaline)	<0.098		1.97	2.15		ug/L		109	70 - 130
Phenanthrene	<0.039		1.97	2.02		ug/L		103	70 - 130
Propachlor	<0.049		1.97	2.26		ug/L		115	70 - 130
Pyrene	<0.049		1.97	2.16		ug/L		110	70 - 130
Simazine	<0.049		1.97	2.24		ug/L		114	70 - 130
Terbacil	<0.098		1.97	2.27		ug/L		116	70 - 130
Terbutylazine	<0.098		1.97	2.37		ug/L		120	70 - 130
Thiobencarb	<0.098		1.97	2.28		ug/L		116	70 - 130
trans-Nonachlor	<0.049		1.97	1.99		ug/L		101	70 - 130
Trifluralin	<0.098		1.97	2.11		ug/L		107	70 - 130
1-Methylnaphthalene	<0.098		1.97	1.89		ug/L		96	70 - 130
2-Methylnaphthalene	<0.098		1.97	1.92		ug/L		97	70 - 130

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
2-Nitro-m-xylene	99		70 - 130
Perylene-d12	95		70 - 130
Triphenylphosphate	110		70 - 130

QC Sample Results

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

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

Lab Sample ID: 380-177079-1 MSD

Matrix: Water

Analysis Batch: 180478

Client Sample ID: Ka'amilo Wells P1

Prep Type: Total/NA

Prep Batch: 180266

Analyte	Sample	Sample Qualifier	Spike Added	MSD	MSD Qualifier	Unit	D	%Rec	%Rec	RPD	RPD
	Result			Result					Limits		Limit
2,4'-DDD	<0.098		1.96	2.06		ug/L		105	70 - 130	4	20
2,4'-DDE	<0.098		1.96	2.06		ug/L		106	70 - 130	4	20
2,4'-DDT	<0.098		1.96	2.03		ug/L		104	70 - 130	5	20
2,4-Dinitrotoluene	<0.098		1.96	2.11		ug/L		108	70 - 130	2	20
2,6-Dinitrotoluene	<0.098		1.96	2.11		ug/L		108	70 - 130	2	20
4,4'-DDD	<0.098		1.96	2.11		ug/L		108	70 - 130	5	20
4,4'-DDE	<0.098		1.96	2.12		ug/L		108	70 - 130	4	20
4,4'-DDT	<0.098		1.96	1.90		ug/L		97	70 - 130	4	20
Acenaphthene	<0.098		1.96	1.94		ug/L		99	70 - 130	2	20
Acenaphthylene	<0.098		1.96	1.99		ug/L		102	70 - 130	2	20
Acetochlor	<0.098		1.96	2.21		ug/L		113	70 - 130	0	20
Alachlor	<0.049		1.96	2.26		ug/L		115	70 - 130	1	20
alpha-BHC	<0.098		1.96	2.09		ug/L		107	70 - 130	2	20
alpha-Chlordane	<0.049		1.96	2.09		ug/L		105	70 - 130	5	20
Anthracene	<0.020	F1	1.96	1.05	F1	ug/L		54	70 - 130	1	20
Atrazine	<0.049		1.96	2.25		ug/L		115	70 - 130	3	20
Benz(a)anthracene	<0.049		1.96	1.74		ug/L		89	70 - 130	4	20
Benzo[a]pyrene	<0.020		1.96	1.61		ug/L		82	70 - 130	1	20
Benzo[b]fluoranthene	<0.020		1.96	2.06		ug/L		105	70 - 130	2	20
Benzo[g,h,i]perylene	<0.049		1.96	1.98		ug/L		101	70 - 130	0	20
Benzo[k]fluoranthene	<0.020		1.96	1.89		ug/L		97	70 - 130	5	20
beta-BHC	<0.098		1.96	2.11		ug/L		108	70 - 130	2	20
Bis(2-ethylhexyl) phthalate	<0.59		1.96	2.06		ug/L		105	70 - 130	5	20
Aldrin	<0.0098		1.96	1.78		ug/L		91	70 - 130	2	20
Bromacil	<0.098		1.96	2.24		ug/L		112	70 - 130	1	20
Butachlor	<0.049		1.96	2.15		ug/L		110	70 - 130	2	20
Butylbenzylphthalate	<0.49		1.96	2.24		ug/L		114	70 - 130	4	20
Chlorobenzilate	<0.098		1.96	2.27		ug/L		116	70 - 130	2	20
Chloroneb	<0.098		1.96	1.95		ug/L		100	70 - 130	1	20
Chlorothalonil (Draconil, Bravo)	<0.098		1.96	2.28		ug/L		117	70 - 130	2	20
Chlorpyrifos	<0.049		1.96	2.14		ug/L		110	70 - 130	7	20
Chrysene	<0.020		1.96	1.90		ug/L		97	70 - 130	1	20
delta-BHC	<0.098		1.96	2.08		ug/L		106	70 - 130	2	20
Di(2-ethylhexyl)adipate	<0.59		1.96	2.22		ug/L		113	70 - 130	6	20
Dibenz(a,h)anthracene	<0.049		1.96	1.94		ug/L		99	70 - 130	4	20
Diclorvos (DDVP)	<0.049		1.96	2.06		ug/L		106	70 - 130	1	20
Dieldrin	0.064		1.96	2.08		ug/L		103	70 - 130	5	20
Diethylphthalate	<0.49		1.96	2.20		ug/L		113	70 - 130	1	20
Dimethylphthalate	<0.49		1.96	2.17		ug/L		111	70 - 130	1	20
Di-n-butyl phthalate	<0.98		3.91	4.52		ug/L		116	70 - 130	2	20
Di-n-octyl phthalate	<0.098		1.96	2.05		ug/L		105	70 - 130	6	20
Endosulfan I (Alpha)	<0.098		1.96	1.98		ug/L		101	70 - 130	2	20
Endosulfan II (Beta)	<0.098		1.96	2.07		ug/L		106	70 - 130	1	20
Endosulfan sulfate	<0.098		1.96	2.17		ug/L		111	70 - 130	4	20
Endrin	<0.0098		1.96	2.17		ug/L		111	70 - 130	1	20
Endrin aldehyde	<0.098		1.96	1.96		ug/L		100	60 - 130	2	20
EPTC	<0.098		1.96	2.11		ug/L		108	70 - 130	1	20
Fluoranthene	<0.098		1.96	2.11		ug/L		108	70 - 130	4	20

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

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

Lab Sample ID: 380-177079-1 MSD
Matrix: Water
Analysis Batch: 180478

Client Sample ID: Ka'amilo Wells P1
Prep Type: Total/NA
Prep Batch: 180266

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		
Fluorene	<0.049		1.96	2.01		ug/L		103	70 - 130	2	20
gamma-BHC (Lindane)	<0.0098		1.96	2.04		ug/L		104	70 - 130	1	20
gamma-Chlordane	<0.049		1.96	2.14		ug/L		109	70 - 130	3	20
Heptachlor	<0.0098		1.96	2.14		ug/L		110	70 - 130	2	20
Heptachlor epoxide (isomer B)	0.013		1.96	2.17		ug/L		110	70 - 130	0	20
Hexachlorobenzene	<0.049		1.96	2.08		ug/L		106	70 - 130	3	20
Hexachlorocyclopentadiene	<0.049		1.96	1.95		ug/L		100	70 - 130	3	20
Indeno[1,2,3-cd]pyrene	<0.049		1.96	2.06		ug/L		105	70 - 130	1	20
Isophorone	<0.098		1.96	2.04		ug/L		104	70 - 130	1	20
Malathion	<0.098		1.96	2.12		ug/L		108	70 - 130	2	20
Methoxychlor	<0.049		1.96	2.11		ug/L		108	70 - 130	0	20
Metolachlor	<0.049		1.96	2.09		ug/L		107	70 - 130	1	20
Molinate	<0.098		1.96	2.13		ug/L		109	70 - 130	1	20
Naphthalene	<0.098		1.96	1.86		ug/L		95	70 - 130	2	20
Parathion	<0.098		1.96	2.28		ug/L		117	70 - 130	2	20
Pendimethalin (Penoxaline)	<0.098		1.96	2.10		ug/L		107	70 - 130	2	20
Phenanthrene	<0.039		1.96	1.99		ug/L		102	70 - 130	2	20
Propachlor	<0.049		1.96	2.22		ug/L		114	70 - 130	2	20
Pyrene	<0.049		1.96	2.09		ug/L		107	70 - 130	4	20
Simazine	<0.049		1.96	2.20		ug/L		112	70 - 130	2	20
Terbacil	<0.098		1.96	2.20		ug/L		112	70 - 130	3	20
Terbutylazine	<0.098		1.96	2.30		ug/L		118	70 - 130	3	20
Thiobencarb	<0.098		1.96	2.24		ug/L		114	70 - 130	2	20
trans-Nonachlor	<0.049		1.96	1.96		ug/L		100	70 - 130	1	20
Trifluralin	<0.098		1.96	2.09		ug/L		107	70 - 130	1	20
1-Methylnaphthalene	<0.098		1.96	1.86		ug/L		94	70 - 130	2	20
2-Methylnaphthalene	<0.098		1.96	1.88		ug/L		95	70 - 130	2	20
		MSD	MSD								
Surrogate	%Recovery	Qualifier	Limits								
2-Nitro-m-xylene	98		70 - 130								
Perylene-d12	97		70 - 130								
Triphenylphosphate	106		70 - 130								

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

Lab Sample ID: MB 570-642969/1-A
Matrix: Water
Analysis Batch: 646232

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 642969

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	10/20/25 06:11	10/26/25 04:12	1
		MB	MB						
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	89		33 - 139				10/20/25 06:11	10/26/25 04:12	1
2-Fluorobiphenyl (Surr)	87		33 - 126				10/20/25 06:11	10/26/25 04:12	1
2-Fluorophenol (Surr)	60		12 - 120				10/20/25 06:11	10/26/25 04:12	1
Nitrobenzene-d5 (Surr)	93		36 - 120				10/20/25 06:11	10/26/25 04:12	1
Phenol-d6 (Surr)	34		10 - 120				10/20/25 06:11	10/26/25 04:12	1

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-177079-1
 SDG: Quarterly: Ka'amilo Wells P1

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

Lab Sample ID: MB 570-642969/1-A
Matrix: Water
Analysis Batch: 646232

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 642969

<u>Surrogate</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
<i>p</i> -Terphenyl-d14 (Surr)	83	MB MB	47 - 131	10/20/25 06:11	10/26/25 04:12	1

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

Lab Sample ID: MB 570-642969/1-A
Matrix: Water
Analysis Batch: 646236

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 642969

<u>Analyte</u>	<u>MB Result</u>	<u>MB Qualifier</u>	<u>RL</u>	<u>Unit</u>	<u>D</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
1-Methylnaphthalene	<0.20		0.20	ug/L		10/20/25 06:11	10/26/25 01:40	1
2,4,5-Trichlorophenol	<5.0		5.0	ug/L		10/20/25 06:11	10/26/25 01:40	1
2,4,6-Trichlorophenol	<1.0		1.0	ug/L		10/20/25 06:11	10/26/25 01:40	1
2,4-Dichlorophenol	<1.0		1.0	ug/L		10/20/25 06:11	10/26/25 01:40	1
2,4-Dinitrophenol	<5.0		5.0	ug/L		10/20/25 06:11	10/26/25 01:40	1
2,6-Dichlorophenol	<5.0		5.0	ug/L		10/20/25 06:11	10/26/25 01:40	1
2-Chloronaphthalene	<0.20		0.20	ug/L		10/20/25 06:11	10/26/25 01:40	1
2-Chlorophenol	<0.20		0.20	ug/L		10/20/25 06:11	10/26/25 01:40	1
2-Methylnaphthalene	<0.20		0.20	ug/L		10/20/25 06:11	10/26/25 01:40	1
2-Methylphenol	<1.0		1.0	ug/L		10/20/25 06:11	10/26/25 01:40	1
2-Nitroaniline	<5.0		5.0	ug/L		10/20/25 06:11	10/26/25 01:40	1
2-Nitrophenol	<5.0		5.0	ug/L		10/20/25 06:11	10/26/25 01:40	1
3/4-Methylphenol	<2.0		2.0	ug/L		10/20/25 06:11	10/26/25 01:40	1
3-Nitroaniline	<5.0		5.0	ug/L		10/20/25 06:11	10/26/25 01:40	1
4,6-Dinitro-2-methylphenol	<5.0		5.0	ug/L		10/20/25 06:11	10/26/25 01:40	1
4-Bromophenyl phenyl ether	<0.20		0.20	ug/L		10/20/25 06:11	10/26/25 01:40	1
4-Chloro-3-methylphenol	<1.0		1.0	ug/L		10/20/25 06:11	10/26/25 01:40	1
4-Chloroaniline	<5.0		5.0	ug/L		10/20/25 06:11	10/26/25 01:40	1
4-Chlorophenyl phenyl ether	<0.20		0.20	ug/L		10/20/25 06:11	10/26/25 01:40	1
4-Nitroaniline	<5.0		5.0	ug/L		10/20/25 06:11	10/26/25 01:40	1
4-Nitrophenol	<5.0		5.0	ug/L		10/20/25 06:11	10/26/25 01:40	1
Acenaphthene	<0.20		0.20	ug/L		10/20/25 06:11	10/26/25 01:40	1
Acenaphthylene	<0.20		0.20	ug/L		10/20/25 06:11	10/26/25 01:40	1
Aniline	<0.20		0.20	ug/L		10/20/25 06:11	10/26/25 01:40	1
Anthracene	<0.20		0.20	ug/L		10/20/25 06:11	10/26/25 01:40	1
Benzidine	<5.0		5.0	ug/L		10/20/25 06:11	10/26/25 01:40	1
Benzo[a]anthracene	<0.20		0.20	ug/L		10/20/25 06:11	10/26/25 01:40	1
Benzo[a]pyrene	<0.20		0.20	ug/L		10/20/25 06:11	10/26/25 01:40	1
Benzo[b]fluoranthene	<0.20		0.20	ug/L		10/20/25 06:11	10/26/25 01:40	1
Benzo[g,h,i]perylene	<0.20		0.20	ug/L		10/20/25 06:11	10/26/25 01:40	1
Benzo[k]fluoranthene	<0.20		0.20	ug/L		10/20/25 06:11	10/26/25 01:40	1
Benzoic acid	<10		10	ug/L		10/20/25 06:11	10/26/25 01:40	1
Benzyl alcohol	<1.0		1.0	ug/L		10/20/25 06:11	10/26/25 01:40	1
Bis(2-chloroethoxy)methane	<0.20		0.20	ug/L		10/20/25 06:11	10/26/25 01:40	1
Bis(2-chloroethyl)ether	<0.20		0.20	ug/L		10/20/25 06:11	10/26/25 01:40	1
bis (2-Chloroisopropyl) ether	<0.20		0.20	ug/L		10/20/25 06:11	10/26/25 01:40	1
Chrysene	<0.20		0.20	ug/L		10/20/25 06:11	10/26/25 01:40	1
Dibenz(a,h)anthracene	<0.20		0.20	ug/L		10/20/25 06:11	10/26/25 01:40	1
Dibenzofuran	<0.20		0.20	ug/L		10/20/25 06:11	10/26/25 01:40	1
Fluoranthene	<0.20		0.20	ug/L		10/20/25 06:11	10/26/25 01:40	1

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

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

Lab Sample ID: MB 570-642969/1-A
Matrix: Water
Analysis Batch: 646236

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 642969

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	<0.20		0.20	ug/L		10/20/25 06:11	10/26/25 01:40	1
Hexachloroethane	<0.20		0.20	ug/L		10/20/25 06:11	10/26/25 01:40	1
Indeno[1,2,3-cd]pyrene	<0.20		0.20	ug/L		10/20/25 06:11	10/26/25 01:40	1
Naphthalene	<0.20		0.20	ug/L		10/20/25 06:11	10/26/25 01:40	1
Nitrobenzene	<0.20		0.20	ug/L		10/20/25 06:11	10/26/25 01:40	1
N-Nitrosodi-n-propylamine	<0.20		0.20	ug/L		10/20/25 06:11	10/26/25 01:40	1
N-Nitrosodiphenylamine	<0.20		0.20	ug/L		10/20/25 06:11	10/26/25 01:40	1
Pentachlorophenol	<1.0		1.0	ug/L		10/20/25 06:11	10/26/25 01:40	1
Phenanthrene	<0.20		0.20	ug/L		10/20/25 06:11	10/26/25 01:40	1
Phenol	<1.0		1.0	ug/L		10/20/25 06:11	10/26/25 01:40	1
Pyrene	<0.20		0.20	ug/L		10/20/25 06:11	10/26/25 01:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	76		28 - 127	10/20/25 06:11	10/26/25 01:40	1
2-Fluorobiphenyl (Surr)	68		31 - 120	10/20/25 06:11	10/26/25 01:40	1
2-Fluorophenol (Surr)	50		17 - 120	10/20/25 06:11	10/26/25 01:40	1
Nitrobenzene-d5 (Surr)	78		27 - 120	10/20/25 06:11	10/26/25 01:40	1
Phenol-d6 (Surr)	33		10 - 120	10/20/25 06:11	10/26/25 01:40	1
p-Terphenyl-d14 (Surr)	73		45 - 120	10/20/25 06:11	10/26/25 01:40	1

Lab Sample ID: LCS 570-642969/2-A
Matrix: Water
Analysis Batch: 646236

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 642969

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
1-Methylnaphthalene	20.0	15.1		ug/L		76	47 - 120
2,4,5-Trichlorophenol	20.0	15.7		ug/L		79	57 - 120
2,4,6-Trichlorophenol	20.0	15.2		ug/L		76	52 - 129
2,4-Dichlorophenol	20.0	16.2		ug/L		81	53 - 122
2,4-Dinitrophenol	20.0	15.3		ug/L		76	1 - 173
2,6-Dichlorophenol	20.0	16.4		ug/L		82	50 - 120
2-Chloronaphthalene	20.0	14.0		ug/L		70	65 - 120
2-Chlorophenol	20.0	15.9		ug/L		79	36 - 120
2-Methylnaphthalene	20.0	14.9		ug/L		75	43 - 120
2-Methylphenol	20.0	14.5		ug/L		72	46 - 120
2-Nitroaniline	20.0	12.7		ug/L		63	51 - 125
2-Nitrophenol	20.0	15.2		ug/L		76	45 - 167
3/4-Methylphenol	40.0	27.1		ug/L		68	29 - 120
3-Nitroaniline	20.0	<0.58	*-	ug/L		2	62 - 129
4,6-Dinitro-2-methylphenol	20.0	15.1		ug/L		75	53 - 130
4-Bromophenyl phenyl ether	20.0	14.0		ug/L		70	65 - 120
4-Chloro-3-methylphenol	20.0	16.3		ug/L		82	41 - 128
4-Chloroaniline	20.0	0.798	J *-	ug/L		4	51 - 120
4-Chlorophenyl phenyl ether	20.0	14.6		ug/L		73	38 - 145
4-Nitroaniline	20.0	1.51	J *-	ug/L		8	64 - 129
4-Nitrophenol	20.0	7.23		ug/L		36	13 - 129
Acenaphthene	20.0	14.3		ug/L		71	60 - 132
Acenaphthylene	20.0	13.7		ug/L		68	54 - 126

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

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

Lab Sample ID: LCS 570-642969/2-A
Matrix: Water
Analysis Batch: 646236

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 642969

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aniline	20.0	<0.11	*-	ug/L		0	52 - 121
Anthracene	20.0	13.1		ug/L		66	43 - 120
Benzidine	20.0	<0.94	*-	ug/L		0.04	20 - 164
Benzo[a]anthracene	20.0	14.8		ug/L		74	42 - 133
Benzo[a]pyrene	20.0	11.1		ug/L		56	32 - 148
Benzo[b]fluoranthene	20.0	14.0		ug/L		70	42 - 140
Benzo[g,h,i]perylene	20.0	14.8		ug/L		74	1 - 195
Benzo[k]fluoranthene	20.0	13.4		ug/L		67	25 - 146
Benzoic acid	20.0	8.74	J	ug/L		44	20 - 120
Benzyl alcohol	20.0	17.0		ug/L		85	44 - 122
Bis(2-chloroethoxy)methane	20.0	14.7		ug/L		73	49 - 165
Bis(2-chloroethyl)ether	20.0	14.5		ug/L		73	43 - 126
bis (2-Chloroisopropyl) ether	20.0	17.6		ug/L		88	63 - 139
Chrysene	20.0	15.2		ug/L		76	44 - 140
Dibenz(a,h)anthracene	20.0	17.1		ug/L		85	1 - 200
Dibenzofuran	20.0	14.8		ug/L		74	48 - 120
Fluoranthene	20.0	15.5		ug/L		77	43 - 121
Fluorene	20.0	14.8		ug/L		74	70 - 120
Hexachloroethane	20.0	14.3		ug/L		71	55 - 120
Indeno[1,2,3-cd]pyrene	20.0	15.4		ug/L		77	1 - 151
Naphthalene	20.0	14.9		ug/L		74	36 - 120
Nitrobenzene	20.0	15.3		ug/L		76	54 - 158
N-Nitrosodi-n-propylamine	20.0	17.6		ug/L		88	14 - 198
N-Nitrosodiphenylamine	20.0	8.77	*-	ug/L		44	65 - 133
Pentachlorophenol	20.0	16.3		ug/L		82	38 - 152
Phenanthrene	20.0	14.6		ug/L		73	65 - 120
Phenol	20.0	7.55		ug/L		38	17 - 120
Pyrene	20.0	16.2		ug/L		81	70 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	78		28 - 127
2-Fluorobiphenyl (Surr)	71		31 - 120
2-Fluorophenol (Surr)	53		17 - 120
Nitrobenzene-d5 (Surr)	77		27 - 120
Phenol-d6 (Surr)	37		10 - 120
p-Terphenyl-d14 (Surr)	83		45 - 120

Lab Sample ID: LCSD 570-642969/3-A
Matrix: Water
Analysis Batch: 646236

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 642969

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1-Methylnaphthalene	20.0	13.6		ug/L		68	47 - 120	11	20
2,4,5-Trichlorophenol	20.0	16.6		ug/L		83	57 - 120	5	20
2,4,6-Trichlorophenol	20.0	16.2		ug/L		81	52 - 129	6	35
2,4-Dichlorophenol	20.0	14.8		ug/L		74	53 - 122	10	30
2,4-Dinitrophenol	20.0	16.0		ug/L		80	1 - 173	5	79
2,6-Dichlorophenol	20.0	14.5		ug/L		73	50 - 120	12	20

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

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

Lab Sample ID: LCSD 570-642969/3-A
Matrix: Water
Analysis Batch: 646236

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 642969

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Chloronaphthalene	20.0	14.8		ug/L		74	65 - 120	5	15
2-Chlorophenol	20.0	17.1		ug/L		86	36 - 120	8	37
2-Methylnaphthalene	20.0	13.4		ug/L		67	43 - 120	10	20
2-Methylphenol	20.0	15.6		ug/L		78	46 - 120	7	20
2-Nitroaniline	20.0	19.1	*1	ug/L		95	51 - 125	41	20
2-Nitrophenol	20.0	13.8		ug/L		69	45 - 167	10	33
3/4-Methylphenol	40.0	29.5		ug/L		74	29 - 120	9	20
3-Nitroaniline	20.0	17.2	*1	ug/L		86	62 - 129	191	20
4,6-Dinitro-2-methylphenol	20.0	15.8		ug/L		79	53 - 130	5	122
4-Bromophenyl phenyl ether	20.0	14.4		ug/L		72	65 - 120	3	26
4-Chloro-3-methylphenol	20.0	14.7		ug/L		74	41 - 128	10	44
4-Chloroaniline	20.0	10.6	*1	ug/L		53	51 - 120	172	20
4-Chlorophenyl phenyl ether	20.0	15.3		ug/L		77	38 - 145	5	36
4-Nitroaniline	20.0	18.1	*1	ug/L		90	64 - 129	169	20
4-Nitrophenol	20.0	7.50		ug/L		38	13 - 129	4	79
Acenaphthene	20.0	15.0		ug/L		75	60 - 132	5	29
Acenaphthylene	20.0	15.2		ug/L		76	54 - 126	11	45
Aniline	20.0	3.15	*- *1	ug/L		16	52 - 121	200	21
Anthracene	20.0	14.8		ug/L		74	43 - 120	12	40
Benzidine	20.0	<0.94	*- *1	ug/L		0.1	20 - 164	87	30
Benzo[a]anthracene	20.0	15.5		ug/L		78	42 - 133	5	32
Benzo[a]pyrene	20.0	15.0		ug/L		75	32 - 148	30	43
Benzo[b]fluoranthene	20.0	15.5		ug/L		78	42 - 140	11	43
Benzo[g,h,i]perylene	20.0	13.9		ug/L		69	1 - 195	6	61
Benzo[k]fluoranthene	20.0	15.3		ug/L		76	25 - 146	13	38
Benzoic acid	20.0	7.80	J	ug/L		39	20 - 120	11	30
Benzyl alcohol	20.0	16.0		ug/L		80	44 - 122	6	20
Bis(2-chloroethoxy)methane	20.0	14.8		ug/L		74	49 - 165	1	32
Bis(2-chloroethyl)ether	20.0	16.1		ug/L		80	43 - 126	10	65
bis (2-Chloroisopropyl) ether	20.0	18.5		ug/L		93	63 - 139	5	46
Chrysene	20.0	15.7		ug/L		78	44 - 140	3	53
Dibenz(a,h)anthracene	20.0	14.4		ug/L		72	1 - 200	17	75
Dibenzofuran	20.0	15.7		ug/L		79	48 - 120	6	20
Fluoranthene	20.0	16.2		ug/L		81	43 - 121	4	40
Fluorene	20.0	15.5		ug/L		78	70 - 120	5	23
Hexachloroethane	20.0	14.9		ug/L		75	55 - 120	5	32
Indeno[1,2,3-cd]pyrene	20.0	14.2		ug/L		71	1 - 151	8	60
Naphthalene	20.0	13.0		ug/L		65	36 - 120	13	39
Nitrobenzene	20.0	13.7		ug/L		68	54 - 158	11	37
N-Nitrosodi-n-propylamine	20.0	18.5		ug/L		92	14 - 198	5	52
N-Nitrosodiphenylamine	20.0	18.8	*1	ug/L		94	65 - 133	73	20
Pentachlorophenol	20.0	16.9		ug/L		85	38 - 152	3	52
Phenanthrene	20.0	15.0		ug/L		75	65 - 120	2	24
Phenol	20.0	8.09		ug/L		40	17 - 120	7	39
Pyrene	20.0	16.6		ug/L		83	70 - 120	3	30

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
2,4,6-Tribromophenol (Surr)	81		28 - 127

QC Sample Results

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

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

Lab Sample ID: LCSD 570-642969/3-A
Matrix: Water
Analysis Batch: 646236

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 642969

Surrogate	LCS D %Recovery	LCS D Qualifier	Limits
2-Fluorobiphenyl (Surr)	75		31 - 120
2-Fluorophenol (Surr)	58		17 - 120
Nitrobenzene-d5 (Surr)	70		27 - 120
Phenol-d6 (Surr)	40		10 - 120
p Terphenyl d14 (Surr)	83		45 - 120

Lab Sample ID: 380-177173-A-1-A MS
Matrix: Water
Analysis Batch: 646236

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 642969

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	<0.19	F2	19.5	8.19		ug/L		42	36 - 120
2,4,5-Trichlorophenol	<4.8	F2	19.5	9.64		ug/L		49	21 - 145
2,4,6-Trichlorophenol	<0.96		19.5	9.18		ug/L		47	37 - 144
2,4-Dichlorophenol	<0.96	F2	19.5	8.79		ug/L		45	39 - 135
2,4-Dinitrophenol	<4.8		19.5	<4.9		ug/L		24	1 - 191
2,6-Dichlorophenol	<4.8	F2	19.5	8.76		ug/L		45	24 - 134
2-Chloronaphthalene	<0.19	F1 F2	19.5	8.51	F1	ug/L		44	60 - 120
2-Chlorophenol	<0.19		19.5	9.33		ug/L		48	23 - 143
2-Methylnaphthalene	<0.19	F2	19.5	8.02		ug/L		41	32 - 124
2-Methylphenol	<0.96	F2	19.5	8.65		ug/L		44	10 - 135
2-Nitroaniline	<4.8	*1 F2	19.5	10.9		ug/L		56	10 - 147
2-Nitrophenol	<4.8	F2	19.5	8.18		ug/L		42	29 - 182
3/4-Methylphenol	<1.9	F2	39.0	15.8		ug/L		41	10 - 118
3-Nitroaniline	<4.8	*- *1 F1	19.5	10.1		ug/L		52	10 - 153
4,6-Dinitro-2-methylphenol	<4.8		19.5	8.18		ug/L		42	1 - 181
4-Bromophenyl phenyl ether	<0.19	F1 F2	19.5	8.60	F1	ug/L		44	53 - 127
4-Chloro-3-methylphenol	<0.96		19.5	8.73		ug/L		45	22 - 147
4-Chloroaniline	<4.8	*- *1 F1	19.5	8.06		ug/L		41	10 - 131
4-Chlorophenyl phenyl ether	<0.19	F2	19.5	9.15		ug/L		47	25 - 158
4-Nitroaniline	<4.8	*- *1 F2	19.5	10.3		ug/L		53	10 - 180
4-Nitrophenol	<4.8		19.5	<4.9		ug/L		18	1 - 132
Acenaphthene	<0.19	F1 F2	19.5	8.72	F1	ug/L		45	47 - 145
Acenaphthylene	<0.19		19.5	9.00		ug/L		46	33 - 145
Aniline	<0.19	*- *1 F1	19.5	3.59		ug/L		18	10 - 113
Anthracene	<0.19		19.5	8.84		ug/L		45	27 - 133
Benzidine	<4.8	*- *1 F1	19.5	<4.9	F1	ug/L		0	10 - 57
Benzo[a]anthracene	<0.19		19.5	9.14		ug/L		47	33 - 143
Benzo[a]pyrene	<0.19		19.5	8.73		ug/L		45	17 - 163
Benzo[b]fluoranthene	<0.19		19.5	8.91		ug/L		46	24 - 159
Benzo[g,h,i]perylene	<0.19		19.5	7.66		ug/L		39	1 - 219
Benzo[k]fluoranthene	<0.19		19.5	8.88		ug/L		46	11 - 162
Benzoic acid	<9.6	F1	19.5	<9.7	F1	ug/L		0	10 - 97
Benzyl alcohol	<0.96	F2	19.5	8.35		ug/L		43	10 - 122
Bis(2-chloroethoxy)methane	<0.19	F2	19.5	9.03		ug/L		46	33 - 184
Bis(2-chloroethyl)ether	<0.19		19.5	9.47		ug/L		49	12 - 158
bis (2-Chloroisopropyl) ether	<0.19		19.5	10.4		ug/L		54	36 - 166

QC Sample Results

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

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

Lab Sample ID: 380-177173-A-1-A MS
Matrix: Water
Analysis Batch: 646236

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 642969

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier	Added	Result	Qualifier				
Chrysene	<0.19		19.5	9.23		ug/L		47	17 - 168
Dibenz(a,h)anthracene	<0.19		19.5	7.89		ug/L		40	1 - 227
Dibenzofuran	<0.19	F2	19.5	9.20		ug/L		47	42 - 111
Fluoranthene	<0.19		19.5	9.71		ug/L		50	26 - 137
Fluorene	<0.19	F1 F2	19.5	9.31	F1	ug/L		48	59 - 121
Hexachloroethane	<0.19	F2	19.5	8.09		ug/L		42	40 - 120
Indeno[1,2,3-cd]pyrene	<0.19		19.5	7.75		ug/L		40	1 - 171
Naphthalene	<0.19		19.5	7.81		ug/L		40	21 - 133
Nitrobenzene	<0.19		19.5	8.33		ug/L		43	35 - 180
N-Nitrosodi-n-propylamine	<0.19		19.5	10.5		ug/L		54	1 - 230
N-Nitrosodiphenylamine	<0.19	*- *1	19.5	11.1		ug/L		57	10 - 179
Pentachlorophenol	<0.96		19.5	9.21		ug/L		47	14 - 176
Phenanthrene	<0.19	F1 F2	19.5	9.00	F1	ug/L		46	54 - 120
Phenol	<0.96		19.5	4.01		ug/L		21	5 - 120
Pyrene	<0.19	F1	19.5	9.98	F1	ug/L		51	52 - 120

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol (Surr)	48		28 - 127
2-Fluorobiphenyl (Surr)	44		31 - 120
2-Fluorophenol (Surr)	29		17 - 120
Nitrobenzene-d5 (Surr)	44		27 - 120
Phenol-d6 (Surr)	20		10 - 120
p-Terphenyl-d14 (Surr)	50		45 - 120

Lab Sample ID: 380-177173-A-1-B MSD
Matrix: Water
Analysis Batch: 646236

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 642969

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
1-Methylnaphthalene	<0.19	F2	19.4	15.9	F2	ug/L		82	36 - 120	64	30	
2,4,5-Trichlorophenol	<4.8	F2	19.4	16.1	F2	ug/L		83	21 - 145	50	30	
2,4,6-Trichlorophenol	<0.96		19.4	15.6		ug/L		80	37 - 144	52	58	
2,4-Dichlorophenol	<0.96	F2	19.4	16.7	F2	ug/L		86	39 - 135	62	50	
2,4-Dinitrophenol	<4.8		19.4	16.3		ug/L		84	1 - 191	110	132	
2,6-Dichlorophenol	<4.8	F2	19.4	16.9	F2	ug/L		87	24 - 134	64	30	
2-Chloronaphthalene	<0.19	F1 F2	19.4	14.5	F2	ug/L		75	60 - 120	52	24	
2-Chlorophenol	<0.19		19.4	16.3		ug/L		84	23 - 143	54	61	
2-Methylnaphthalene	<0.19	F2	19.4	15.8	F2	ug/L		81	32 - 124	65	30	
2-Methylphenol	<0.96	F2	19.4	14.9	F2	ug/L		77	10 - 135	53	30	
2-Nitroaniline	<4.8	*1 F2	19.4	16.8	F2	ug/L		86	10 - 147	43	30	
2-Nitrophenol	<4.8	F2	19.4	15.6	F2	ug/L		80	29 - 182	62	55	
3/4-Methylphenol	<1.9	F2	38.8	27.4	F2	ug/L		70	10 - 118	53	30	
3-Nitroaniline	<4.8	*- *1 F1	19.4	<4.9	F1	ug/L		0	10 - 153	NC	30	
4,6-Dinitro-2-methylphenol	<4.8		19.4	16.0		ug/L		83	1 - 181	65	203	
4-Bromophenyl phenyl ether	<0.19	F1 F2	19.4	14.4	F2	ug/L		74	53 - 127	50	43	
4-Chloro-3-methylphenol	<0.96		19.4	16.8		ug/L		87	22 - 147	63	73	
4-Chloroaniline	<4.8	*- *1 F1	19.4	<4.9	F1 F2	ug/L		3	10 - 131	169	30	
4-Chlorophenyl phenyl ether	<0.19	F2	19.4	15.1		ug/L		78	25 - 158	49	61	

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

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

Lab Sample ID: 380-177173-A-1-B MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 646236

Prep Batch: 642969

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		
4-Nitroaniline	<4.8	*- *1 F2	19.4	<4.9	F2	ug/L		18	10 - 180	98	30
4-Nitrophenol	<4.8		19.4	7.23		ug/L		37	1 - 132	72	131
Acenaphthene	<0.19	F1 F2	19.4	14.9	F2	ug/L		77	47 - 145	52	48
Acenaphthylene	<0.19		19.4	14.7		ug/L		76	33 - 145	48	74
Aniline	<0.19	*- *1 F1 F2	19.4	0.292	F1 F2	ug/L		2	10 - 113	170	30
Anthracene	<0.19		19.4	14.6		ug/L		75	27 - 133	49	66
Benzidine	<4.8	*- *1 F1	19.4	<4.9	F1	ug/L		0	10 - 57	NC	30
Benzo[a]anthracene	<0.19		19.4	15.5		ug/L		80	33 - 143	51	53
Benzo[a]pyrene	<0.19		19.4	14.3		ug/L		74	17 - 163	49	72
Benzo[b]fluoranthene	<0.19		19.4	15.1		ug/L		78	24 - 159	52	71
Benzo[g,h,i]perylene	<0.19		19.4	13.4		ug/L		69	1 - 219	54	97
Benzo[k]fluoranthene	<0.19		19.4	14.7		ug/L		76	11 - 162	49	63
Benzoic acid	<9.6	F1	19.4	<9.7		ug/L		41	10 - 97	NC	30
Benzyl alcohol	<0.96	F2	19.4	18.4	F2	ug/L		95	10 - 122	75	30
Bis(2-chloroethoxy)methane	<0.19	F2	19.4	16.1	F2	ug/L		83	33 - 184	56	54
Bis(2-chloroethyl)ether	<0.19		19.4	15.1		ug/L		78	12 - 158	46	108
bis (2-Chloroisopropyl) ether	<0.19		19.4	17.7		ug/L		91	36 - 166	51	76
Chrysene	<0.19		19.4	15.6		ug/L		80	17 - 168	51	87
Dibenz(a,h)anthracene	<0.19		19.4	13.9		ug/L		72	1 - 227	55	126
Dibenzofuran	<0.19	F2	19.4	15.3	F2	ug/L		79	42 - 111	50	30
Fluoranthene	<0.19		19.4	16.4		ug/L		84	26 - 137	51	66
Fluorene	<0.19	F1 F2	19.4	15.1	F2	ug/L		78	59 - 121	47	38
Hexachloroethane	<0.19	F2	19.4	14.7	F2	ug/L		76	40 - 120	58	52
Indeno[1,2,3-cd]pyrene	<0.19		19.4	13.7		ug/L		71	1 - 171	56	99
Naphthalene	<0.19		19.4	15.3		ug/L		79	21 - 133	65	65
Nitrobenzene	<0.19		19.4	15.7		ug/L		81	35 - 180	61	62
N-Nitrosodi-n-propylamine	<0.19		19.4	17.9		ug/L		92	1 - 230	52	87
N-Nitrosodiphenylamine	<0.19	*- *1	19.4	13.9		ug/L		71	10 - 179	22	30
Pentachlorophenol	<0.96		19.4	17.1		ug/L		88	14 - 176	60	86
Phenanthrene	<0.19	F1 F2	19.4	15.1	F2	ug/L		78	54 - 120	50	39
Phenol	<0.96		19.4	7.21		ug/L		37	5 - 120	57	64
Pyrene	<0.19	F1	19.4	16.4		ug/L		85	52 - 120	49	49

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol (Surr)	84		28 - 127
2-Fluorobiphenyl (Surr)	75		31 - 120
2-Fluorophenol (Surr)	53		17 - 120
Nitrobenzene-d5 (Surr)	82		27 - 120
Phenol-d6 (Surr)	36		10 - 120
p-Terphenyl-d14 (Surr)	84		45 - 120

QC Sample Results

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

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

Lab Sample ID: MB 570-646066/6
Matrix: Water
Analysis Batch: 646066

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (C6-C10)	<10		10	ug/L			10/25/25 12:55	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	79		38 - 134				10/25/25 12:55	1

Lab Sample ID: LCS 570-646066/4
Matrix: Water
Analysis Batch: 646066

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	361		ug/L		90	78 - 120
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	78		38 - 134				

Lab Sample ID: LCSD 570-646066/5
Matrix: Water
Analysis Batch: 646066

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	404	*1	ug/L		101	78 - 120	11	10
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	81		38 - 134						

Lab Sample ID: MRL 570-646066/3
Matrix: Water
Analysis Batch: 646066

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (C4-C13)	10.0	<7.9		ug/L		61	50 - 150
Surrogate	MRL %Recovery	MRL Qualifier	Limits				
4-Bromofluorobenzene (Surr)	80		38 - 134				

Lab Sample ID: 380-178070-B-1 MS
Matrix: Water
Analysis Batch: 646066

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	*1	400	359		ug/L		90	68 - 122
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	81		38 - 134						

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

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

Lab Sample ID: 380-178070-B-1 MSD
Matrix: Water
Analysis Batch: 646066

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	*1	400	394		ug/L		99	68 - 122	9	18
Surrogate	%Recovery	MSD Qualifier	MSD Limits								
4-Bromofluorobenzene (Surr)	83		38 - 134								

Method: 504.1 - EDB, DBCP and 1,2,3-TCP (GC)

Lab Sample ID: MBL 380-180856/4-A
Matrix: Water
Analysis Batch: 181128

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 180856

Analyte	MBL Result	MBL Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	<0.0040		0.020	ug/L		10/20/25 16:03	10/20/25 23:20	1
1,2-Dibromo-3-Chloropropane	<0.0020		0.010	ug/L		10/20/25 16:03	10/20/25 23:20	1
1,2-Dibromoethane	<0.0040		0.010	ug/L		10/20/25 16:03	10/20/25 23:20	1
Surrogate	%Recovery	MBL Qualifier	MBL Limits	Prepared	Analyzed	Dil Fac		
1,2-Dibromopropane (Surr)	102		60 - 140	10/20/25 16:03	10/20/25 23:20	1		

Lab Sample ID: LCS 380-180856/29-A
Matrix: Water
Analysis Batch: 181128

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 180856

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichloropropane	0.200	0.197		ug/L		98	70 - 130
1,2-Dibromo-3-Chloropropane	0.200	0.186		ug/L		93	70 - 130
1,2-Dibromoethane	0.200	0.199		ug/L		99	70 - 130
Surrogate	%Recovery	LCS Qualifier	LCS Limits				
1,2-Dibromopropane (Surr)	101		60 - 140				

Lab Sample ID: MRL 380-180856/2-A
Matrix: Water
Analysis Batch: 181128

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 180856

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichloropropane	0.0200	0.0229		ug/L		115	60 - 140
Surrogate	%Recovery	MRL Qualifier	MRL Limits				
1,2-Dibromopropane (Surr)	112		60 - 140				

Lab Sample ID: MRL 380-180856/3-A
Matrix: Water
Analysis Batch: 181128

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 180856

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichloropropane	0.0500	0.0513		ug/L		103	60 - 140

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

Method: 504.1 - EDB, DBCP and 1,2,3-TCP (GC) (Continued)

Lab Sample ID: MRL 380-180856/3-A
Matrix: Water
Analysis Batch: 181128

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 180856

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromo-3-Chloropropane	0.0100	0.0103		ug/L		103	60 - 140
1,2-Dibromoethane	0.0100	0.0106		ug/L		106	60 - 140

Surrogate	MRL %Recovery	MRL Qualifier	Limits
1,2-Dibromopropane (Surr)	105		60 - 140

Lab Sample ID: 380-177221-A-3-A MS
Matrix: Water
Analysis Batch: 181128

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 180856

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichloropropane	<0.020		1.25	1.24		ug/L		99	65 - 135
1,2-Dibromo-3-Chloropropane	<0.0099		0.250	0.236		ug/L		94	65 - 135
1,2-Dibromoethane	<0.0099		0.250	0.262		ug/L		105	65 - 135

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dibromopropane (Surr)	94		60 - 140

Lab Sample ID: 380-177221-A-4-A DU
Matrix: Water
Analysis Batch: 181128

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 180856

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
1,2,3-Trichloropropane	<0.020		<0.020		ug/L		NC	20
1,2-Dibromo-3-Chloropropane	<0.010		<0.0099		ug/L		NC	20
1,2-Dibromoethane	<0.010		<0.0099		ug/L		NC	20

Surrogate	DU %Recovery	DU Qualifier	Limits
1,2-Dibromopropane (Surr)	95		60 - 140

Method: 505 - Organochlorine Pesticides/PCBs (GC)

Lab Sample ID: MB 380-180823/3-A
Matrix: Water
Analysis Batch: 181043

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 180823

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	<0.50		0.50	ug/L		10/20/25 14:13	10/20/25 16:39	1
Chlordane (n.o.s.)	<0.10		0.10	ug/L		10/20/25 14:13	10/20/25 16:39	1
PCB-1016	<0.070		0.070	ug/L		10/20/25 14:13	10/20/25 16:39	1
PCB-1221	<0.10		0.10	ug/L		10/20/25 14:13	10/20/25 16:39	1
PCB-1232	<0.10		0.10	ug/L		10/20/25 14:13	10/20/25 16:39	1
PCB-1242	<0.10		0.10	ug/L		10/20/25 14:13	10/20/25 16:39	1
PCB-1248	<0.10		0.10	ug/L		10/20/25 14:13	10/20/25 16:39	1
PCB-1254	<0.10		0.10	ug/L		10/20/25 14:13	10/20/25 16:39	1
PCB-1260	<0.070		0.070	ug/L		10/20/25 14:13	10/20/25 16:39	1
Polychlorinated biphenyls, Total	<0.10		0.10	ug/L		10/20/25 14:13	10/20/25 16:39	1

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

Method: 505 - Organochlorine Pesticides/PCBs (GC) (Continued)

Lab Sample ID: MB 380-180823/3-A
Matrix: Water
Analysis Batch: 181043

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 180823

		MB	MB				
<u>Surrogate</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>	
Tetrachloro-m-xylene	95		70 - 130	10/20/25 14:13	10/20/25 16:39	1	

Lab Sample ID: LCS 380-180823/28-A
Matrix: Water
Analysis Batch: 181043

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 180823

<u>Analyte</u>	<u>Spike Added</u>	<u>LCS Result</u>	<u>LCS Qualifier</u>	<u>Unit</u>	<u>D</u>	<u>%Rec</u>	<u>Limits</u>	<u>%Rec</u>
Toxaphene	2.50	2.75		ug/L		110	70 - 130	

		LCS	LCS			
<u>Surrogate</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>			
Tetrachloro-m-xylene	101		70 - 130			

Lab Sample ID: LCS 380-180823/29-A
Matrix: Water
Analysis Batch: 181043

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 180823

<u>Analyte</u>	<u>Spike Added</u>	<u>LCS Result</u>	<u>LCS Qualifier</u>	<u>Unit</u>	<u>D</u>	<u>%Rec</u>	<u>Limits</u>	<u>%Rec</u>
Chlordane (n.o.s.)	0.500	0.541		ug/L		108	70 - 130	

		LCS	LCS			
<u>Surrogate</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>			
Tetrachloro-m-xylene	107		70 - 130			

Lab Sample ID: LCS 380-180823/31-A
Matrix: Water
Analysis Batch: 181043

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 180823

<u>Analyte</u>	<u>Spike Added</u>	<u>LCS Result</u>	<u>LCS Qualifier</u>	<u>Unit</u>	<u>D</u>	<u>%Rec</u>	<u>Limits</u>	<u>%Rec</u>
PCB-1221	0.500	0.509		ug/L		102	70 - 130	

		LCS	LCS			
<u>Surrogate</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>			
Tetrachloro-m-xylene	101		70 - 130			

Lab Sample ID: LCSD 380-180823/30-A
Matrix: Water
Analysis Batch: 181043

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 180823

<u>Analyte</u>	<u>Spike Added</u>	<u>LCSD Result</u>	<u>LCSD Qualifier</u>	<u>Unit</u>	<u>D</u>	<u>%Rec</u>	<u>Limits</u>	<u>RPD</u>	<u>RPD Limit</u>
Chlordane (n.o.s.)	0.500	0.565		ug/L		113	70 - 130	4	20

		LCSD	LCSD			
<u>Surrogate</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>			
Tetrachloro-m-xylene	107		70 - 130			

QC Sample Results

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

Method: 505 - Organochlorine Pesticides/PCBs (GC) (Continued)

Lab Sample ID: MRL 380-180823/1-A
Matrix: Water
Analysis Batch: 181043

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 180823

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Toxaphene	0.500	0.566		ug/L		113	50 - 150
Surrogate		MRL %Recovery	MRL Qualifier				Limits
<i>Tetrachloro-m-xylene</i>		110					70 - 130

Lab Sample ID: MRL 380-180823/2-A
Matrix: Water
Analysis Batch: 181043

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 180823

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chlordane (n.o.s.)	0.100	0.102		ug/L		102	50 - 150
Surrogate		MRL %Recovery	MRL Qualifier				Limits
<i>Tetrachloro-m-xylene</i>		102					70 - 130

Lab Sample ID: 380-177094-B-1-A MS
Matrix: Water
Analysis Batch: 181043

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 180823

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Toxaphene	<0.51		2.49	2.55		ug/L		103	65 - 135
Surrogate		MS %Recovery		MS Qualifier					Limits
<i>Tetrachloro-m-xylene</i>		93							70 - 130

Lab Sample ID: 380-177094-D-1-A MS
Matrix: Water
Analysis Batch: 181043

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 180823

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chlordane (n.o.s.)	<0.10		0.503	0.543		ug/L		108	65 - 135
Surrogate		MS %Recovery		MS Qualifier					Limits
<i>Tetrachloro-m-xylene</i>		103							70 - 130

Lab Sample ID: 380-177141-Q-1-A MS
Matrix: Water
Analysis Batch: 181043

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 180823

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Toxaphene	<0.51		2.51	2.78		ug/L		110	65 - 135
Surrogate		MS %Recovery		MS Qualifier					Limits
<i>Tetrachloro-m-xylene</i>		96							70 - 130

QC Sample Results

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

Method: 505 - Organochlorine Pesticides/PCBs (GC) (Continued)

Lab Sample ID: 380-177141-R-1-A MS
Matrix: Water
Analysis Batch: 181043

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 180823

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chlordane (n.o.s.)	<0.10		0.501	0.563		ug/L		112	65 - 135
Surrogate	%Recovery	MS Qualifier	MS Limits						
Tetrachloro-m-xylene	102		70 - 130						

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

Lab Sample ID: MB 570-642248/1-A
Matrix: Water
Analysis Batch: 646397

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 642248

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (C10-C24)	<25		25	ug/L		10/17/25 15:31	10/26/25 17:58	1
Motor Oil Range Organics [C24-C36]	<25		25	ug/L		10/17/25 15:31	10/26/25 17:58	1
C8-C18	<25		25	ug/L		10/17/25 15:31	10/26/25 17:58	1
Surrogate	%Recovery	MB Qualifier	MB Limits	Prepared		Analyzed	Dil Fac	
n-Octacosane (Surr)	111		60 - 130	10/17/25 15:31		10/26/25 17:58	1	

Lab Sample ID: LCS 570-642248/2-A
Matrix: Water
Analysis Batch: 646397

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 642248

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
C10-C28	1600	1890		ug/L		118	56 - 127
Surrogate	LCS %Recovery	LCS Qualifier	LCS Limits				
n-Octacosane (Surr)	120		60 - 130				

Lab Sample ID: LCSD 570-642248/3-A
Matrix: Water
Analysis Batch: 646397

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 642248

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C28	1600	1660		ug/L		104	56 - 127	13	23
Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits						
n-Octacosane (Surr)	106		60 - 130						

Lab Sample ID: MRL 570-642248/4-A
Matrix: Water
Analysis Batch: 646397

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 642248

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
C10-C28	0.0200	0.0319	^3+	mg/L		160	50 - 150

QC Sample Results

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

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

Lab Sample ID: MRL 570-642248/4-A
Matrix: Water
Analysis Batch: 646397

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 642248

Surrogate	MRL %Recovery	MRL Qualifier	Limits
<i>n-Octacosane (Surr)</i>	135		60 - 130

Lab Sample ID: 380-177173-C-1-A MS
Matrix: Water
Analysis Batch: 646397

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 642248

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
C10-C28	<26	^3+	1670	1960		ug/L		118	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
<i>n-Octacosane (Surr)</i>	120		60 - 130						

Lab Sample ID: 380-177173-C-1-B MSD
Matrix: Water
Analysis Batch: 646397

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 642248

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
C10-C28	<26	^3+	1640	2040		ug/L		124	70 - 130	4	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
<i>n-Octacosane (Surr)</i>	121		60 - 130								

Method: 8015B - Nonhalogenated Organic Compounds - Direct Injection (GC)

Lab Sample ID: MB 570-643985/3
Matrix: Water
Analysis Batch: 643985

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	<0.10	^3+	0.10	mg/L			10/21/25 19:08	1
Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac		
<i>Hexafluoro-2-propanol (Surr)</i>	96		54 - 120		10/21/25 19:08	1		

Lab Sample ID: LCS 570-643985/5
Matrix: Water
Analysis Batch: 643985

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethanol	2.00	2.19		mg/L		109	78 - 131
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
<i>Hexafluoro-2-propanol (Surr)</i>	100		54 - 120				

QC Sample Results

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

Method: 8015B - Nonhalogenated Organic Compounds - Direct Injection (GC) (Continued)

Lab Sample ID: LCSD 570-643985/6
Matrix: Water
Analysis Batch: 643985

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	
Ethanol	2.00	2.17		mg/L		109	78 - 131	1	25	
Surrogate										
	%Recovery	LCSD	Qualifier							Limits
Hexafluoro-2-propanol (Surr)	95									54 - 120

Lab Sample ID: MRL 570-643985/4
Matrix: Water
Analysis Batch: 643985

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits			
Ethanol	0.100	0.154	^3+	mg/L		154	50 - 150			
Surrogate										
	%Recovery	MRL	Qualifier							Limits
Hexafluoro-2-propanol (Surr)	106									54 - 120

Lab Sample ID: 380-177079-1 MS
Matrix: Water
Analysis Batch: 643985

Client Sample ID: Ka'amilo Wells P1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits			
Ethanol	<0.10	^3+	2.00	2.17		mg/L		108	20 - 173			
Surrogate												
	%Recovery	MS	Qualifier									Limits
Hexafluoro-2-propanol (Surr)	94											54 - 120

Lab Sample ID: 380-177079-1 MSD
Matrix: Water
Analysis Batch: 643985

Client Sample ID: Ka'amilo Wells P1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit	
Ethanol	<0.10	^3+	2.00	2.24		mg/L		112	20 - 173	3	21	
Surrogate												
	%Recovery	MSD	Qualifier									Limits
Hexafluoro-2-propanol (Surr)	95											54 - 120

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 380-180080/4
Matrix: Water
Analysis Batch: 180080

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	<0.050		0.050	mg/L			10/15/25 10:32	1
Nitrite as N	<0.050		0.050	mg/L			10/15/25 10:32	1

QC Sample Results

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 380-180080/6
Matrix: Water
Analysis Batch: 180080

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	2.50	2.56		mg/L		102	90 - 110
Nitrite as N	1.00	0.989		mg/L		99	90 - 110

Lab Sample ID: LCSD 380-180080/7
Matrix: Water
Analysis Batch: 180080

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
Nitrate as N	2.50	2.56		mg/L		103	90 - 110	0	20
Nitrite as N	1.00	1.00		mg/L		100	90 - 110	1	20

Lab Sample ID: MRL 380-180080/5
Matrix: Water
Analysis Batch: 180080

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	0.0500	0.0464	J	mg/L		93	50 - 150
Nitrite as N	0.0500	0.0454	J	mg/L		91	50 - 150

Lab Sample ID: 380-177337-F-1 MS
Matrix: Water
Analysis Batch: 180080

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
Nitrate as N	0.24		1.25	1.51		mg/L		102	80 - 120
Nitrite as N	<0.050		0.500	0.468		mg/L		94	80 - 120

Lab Sample ID: 380-177337-F-1 MSD
Matrix: Water
Analysis Batch: 180080

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
Nitrate as N	0.24		1.25	1.51		mg/L		102	80 - 120	0	20
Nitrite as N	<0.050		0.500	0.462		mg/L		92	80 - 120	1	20

Lab Sample ID: MB 380-180081/4
Matrix: Water
Analysis Batch: 180081

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.50		0.50	mg/L			10/15/25 10:32	1
Sulfate	<0.25		0.25	mg/L			10/15/25 10:32	1

Lab Sample ID: LCS 380-180081/6
Matrix: Water
Analysis Batch: 180081

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	25.0	25.4		mg/L		101	90 - 110
Sulfate	50.0	51.7		mg/L		103	90 - 110

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 380-180081/7
Matrix: Water
Analysis Batch: 180081

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
Chloride	25.0	25.4		mg/L		102	90 - 110	0	20
Sulfate	50.0	51.7		mg/L		103	90 - 110	0	20

Lab Sample ID: MRL 380-180081/5
Matrix: Water
Analysis Batch: 180081

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.500	0.476	J	mg/L		95	50 - 150
Sulfate	0.250	0.237	J	mg/L		95	50 - 150

Lab Sample ID: 380-177337-F-1 MS
Matrix: Water
Analysis Batch: 180081

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
Chloride	3.4		12.5	16.3		mg/L		103	80 - 120
Sulfate	26		25.0	52.4		mg/L		107	80 - 120

Lab Sample ID: 380-177337-F-1 MSD
Matrix: Water
Analysis Batch: 180081

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
Chloride	3.4		12.5	16.2		mg/L		103	80 - 120	0	20
Sulfate	26		25.0	52.3		mg/L		106	80 - 120	0	20

Lab Sample ID: MB 380-180327/15
Matrix: Water
Analysis Batch: 180327

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	<5.0		5.0	ug/L			10/16/25 18:52	1

Lab Sample ID: LCS 380-180327/16
Matrix: Water
Analysis Batch: 180327

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	100	96.5		ug/L		96	90 - 110

Lab Sample ID: LCSD 380-180327/17
Matrix: Water
Analysis Batch: 180327

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
Bromide	100	94.9		ug/L		95	90 - 110	2	10

QC Sample Results

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MRL 380-180327/14
Matrix: Water
Analysis Batch: 180327

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	5.00	4.89	J	ug/L		98	75 - 125

Lab Sample ID: 380-176989-E-1 MS
Matrix: Water
Analysis Batch: 180327

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
Bromide	<5.0		50.0	49.9		ug/L		100	80 - 120

Lab Sample ID: 380-176989-E-1 MSD
Matrix: Water
Analysis Batch: 180327

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
Bromide	<5.0		50.0	49.6		ug/L		99	80 - 120	1	20

Lab Sample ID: MB 380-180654/6
Matrix: Water
Analysis Batch: 180654

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	<5.0		5.0	ug/L			10/17/25 16:53	1

Lab Sample ID: LCS 380-180654/7
Matrix: Water
Analysis Batch: 180654

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	100	96.5		ug/L		97	90 - 110

Lab Sample ID: LCSD 380-180654/8
Matrix: Water
Analysis Batch: 180654

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
Bromide	100	96.1		ug/L		96	90 - 110	0	10

Lab Sample ID: MRL 380-180654/5
Matrix: Water
Analysis Batch: 180654

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Bromide	5.00	5.73		ug/L		115	75 - 125

Lab Sample ID: 380-177425-B-3 MS
Matrix: Water
Analysis Batch: 180654

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
Bromide	<5.0		50.0	48.5		ug/L		97	80 - 120

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 380-177425-B-3 MSD
Matrix: Water
Analysis Batch: 180654

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
Bromide	<5.0		50.0	47.8		ug/L		96	80 - 120	1	20

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MBL 380-180623/53
Matrix: Water
Analysis Batch: 180623

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

Analyte	MBL Result	MBL Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	<0.031		0.10	mg/L			10/17/25 12:34	1
Magnesium	<0.0099		0.10	mg/L			10/17/25 12:34	1
Potassium	<0.044		0.10	mg/L			10/17/25 12:34	1
Sodium	<0.019		0.10	mg/L			10/17/25 12:34	1

Lab Sample ID: LCS 380-180623/55
Matrix: Water
Analysis Batch: 180623

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	50.0	50.7		mg/L		101	85 - 115
Magnesium	20.0	20.5		mg/L		102	85 - 115
Potassium	20.0	20.4		mg/L		102	85 - 115
Sodium	50.0	50.6		mg/L		101	85 - 115

Lab Sample ID: LCSD 380-180623/56
Matrix: Water
Analysis Batch: 180623

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
Calcium	50.0	50.5		mg/L		101	85 - 115	1	20
Magnesium	20.0	20.4		mg/L		102	85 - 115	0	20
Potassium	20.0	20.3		mg/L		101	85 - 115	1	20
Sodium	50.0	50.4		mg/L		101	85 - 115	0	20

Lab Sample ID: LLCS 380-180623/54
Matrix: Water
Analysis Batch: 180623

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	0.100	0.0881	J	mg/L		88	50 - 150
Magnesium	0.100	0.102		mg/L		102	50 - 150
Potassium	0.100	0.101		mg/L		101	50 - 150
Sodium	0.100	0.0984	J	mg/L		98	50 - 150

Lab Sample ID: 380-177063-P-1 MS
Matrix: Water
Analysis Batch: 180623

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
Calcium	<0.10		50.0	48.7		mg/L		97	70 - 130

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

Method: 200.7 Rev 4.4 - Metals (ICP) (Continued)

Lab Sample ID: 380-177063-P-1 MS
Matrix: Water
Analysis Batch: 180623

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
Magnesium	<0.10		20.0	19.9		mg/L		99	70 - 130
Potassium	<0.10		20.0	19.7		mg/L		98	70 - 130
Sodium	3.2		50.0	51.7		mg/L		97	70 - 130

Lab Sample ID: 380-177063-P-1 MSD
Matrix: Water
Analysis Batch: 180623

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
Calcium	<0.10		50.0	49.0		mg/L		98	70 - 130	1	20
Magnesium	<0.10		20.0	20.0		mg/L		100	70 - 130	1	20
Potassium	<0.10		20.0	19.8		mg/L		99	70 - 130	1	20
Sodium	3.2		50.0	52.1		mg/L		98	70 - 130	1	20

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MBL 380-180675/15
Matrix: Water
Analysis Batch: 180675

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

Analyte	MBL Result	MBL Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.48		1.0	ug/L			10/17/25 11:30	1
Arsenic	<0.25		1.0	ug/L			10/17/25 11:30	1
Beryllium	<0.12		0.30	ug/L			10/17/25 11:30	1
Cadmium	<0.081		0.50	ug/L			10/17/25 11:30	1
Chromium	<0.33		0.90	ug/L			10/17/25 11:30	1
Copper	<0.28		1.0	ug/L			10/17/25 11:30	1
Lead	<0.084		0.50	ug/L			10/17/25 11:30	1
Nickel	<0.38		1.0	ug/L			10/17/25 11:30	1
Selenium	<0.25		2.0	ug/L			10/17/25 11:30	1
Silver	<0.30		0.50	ug/L			10/17/25 11:30	1
Thallium	<0.10		0.30	ug/L			10/17/25 11:30	1
Zinc	<1.3		5.0	ug/L			10/17/25 11:30	1

Lab Sample ID: LCS 380-180675/17
Matrix: Water
Analysis Batch: 180675

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	50.0	49.2		ug/L		98	85 - 115
Arsenic	50.0	51.0		ug/L		102	85 - 115
Beryllium	50.0	50.7		ug/L		101	85 - 115
Cadmium	50.0	50.1		ug/L		100	85 - 115
Chromium	50.0	50.2		ug/L		100	85 - 115
Copper	50.0	51.3		ug/L		103	85 - 115
Lead	50.0	51.2		ug/L		102	85 - 115
Nickel	50.0	49.5		ug/L		99	85 - 115
Selenium	50.0	50.9		ug/L		102	85 - 115
Silver	50.0	50.6		ug/L		101	85 - 115
Thallium	50.0	50.9		ug/L		102	85 - 115

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

Method: 200.8 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 380-180675/17
Matrix: Water
Analysis Batch: 180675

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Zinc	50.0	49.8		ug/L		100	85 - 115

Lab Sample ID: LCSD 380-180675/18
Matrix: Water
Analysis Batch: 180675

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
Antimony	50.0	49.0		ug/L		98	85 - 115	0	20
Arsenic	50.0	50.4		ug/L		101	85 - 115	1	20
Beryllium	50.0	49.9		ug/L		100	85 - 115	2	20
Cadmium	50.0	49.3		ug/L		99	85 - 115	2	20
Chromium	50.0	49.4		ug/L		99	85 - 115	2	20
Copper	50.0	50.6		ug/L		101	85 - 115	1	20
Lead	50.0	50.8		ug/L		102	85 - 115	1	20
Nickel	50.0	48.8		ug/L		98	85 - 115	1	20
Selenium	50.0	50.4		ug/L		101	85 - 115	1	20
Silver	50.0	50.3		ug/L		101	85 - 115	1	20
Thallium	50.0	50.5		ug/L		101	85 - 115	1	20
Zinc	50.0	48.8		ug/L		98	85 - 115	2	20

Lab Sample ID: LLCS 380-180675/16
Matrix: Water
Analysis Batch: 180675

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	1.00	0.997	J	ug/L		100	50 - 150
Arsenic	1.00	1.04		ug/L		104	50 - 150
Beryllium	0.300	0.308		ug/L		103	50 - 150
Cadmium	0.500	0.479	J	ug/L		96	50 - 150
Chromium	0.900	0.954		ug/L		106	50 - 150
Copper	1.00	1.03		ug/L		103	50 - 150
Lead	0.500	0.513		ug/L		103	50 - 150
Nickel	1.00	1.02		ug/L		102	50 - 150
Selenium	2.00	1.98	J	ug/L		99	50 - 150
Silver	0.500	0.511		ug/L		102	50 - 150
Thallium	0.300	0.307		ug/L		102	50 - 150
Zinc	5.00	4.91	J	ug/L		98	50 - 150

Lab Sample ID: 380-176371-D-1 MS
Matrix: Water
Analysis Batch: 180675

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
Antimony	<1.0		50.0	54.1		ug/L		108	70 - 130
Arsenic	<1.0		50.0	55.7		ug/L		111	70 - 130
Beryllium	<0.30		50.0	52.9		ug/L		106	70 - 130
Cadmium	<0.50		50.0	51.6		ug/L		103	70 - 130
Chromium	<0.90		50.0	50.0		ug/L		99	70 - 130
Copper	<1.0		50.0	50.6		ug/L		100	70 - 130

Eurofins Eaton Analytical Pomona

QC Sample Results

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

Method: 200.8 - Metals (ICP/MS) (Continued)

Lab Sample ID: 380-176371-D-1 MS
Matrix: Water
Analysis Batch: 180675

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
Lead	<0.50		50.0	50.8		ug/L		102	70 - 130
Nickel	<1.0		50.0	47.9		ug/L		96	70 - 130
Selenium	<2.0		50.0	63.3		ug/L		127	70 - 130
Silver	<0.50	F1 F2	50.0	21.2	F1	ug/L		42	70 - 130
Thallium	<0.30		50.0	51.1		ug/L		102	70 - 130
Zinc	<5.0		50.0	54.9		ug/L		110	70 - 130

Lab Sample ID: 380-176371-D-1 MSD
Matrix: Water
Analysis Batch: 180675

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
Antimony	<1.0		50.0	53.3		ug/L		107	70 - 130	1	20
Arsenic	<1.0		50.0	55.8		ug/L		112	70 - 130	0	20
Beryllium	<0.30		50.0	52.6		ug/L		105	70 - 130	1	20
Cadmium	<0.50		50.0	51.5		ug/L		103	70 - 130	0	20
Chromium	<0.90		50.0	49.8		ug/L		98	70 - 130	0	20
Copper	<1.0		50.0	50.3		ug/L		99	70 - 130	1	20
Lead	<0.50		50.0	50.3		ug/L		101	70 - 130	1	20
Nickel	<1.0		50.0	48.0		ug/L		96	70 - 130	0	20
Selenium	<2.0		50.0	62.7		ug/L		125	70 - 130	1	20
Silver	<0.50	F1 F2	50.0	34.2	F1 F2	ug/L		68	70 - 130	47	20
Thallium	<0.30		50.0	50.7		ug/L		101	70 - 130	1	20
Zinc	<5.0		50.0	55.1		ug/L		110	70 - 130	0	20

Method: 200.8 - Mercury (ICP/MS)

Lab Sample ID: MBL 380-180676/15
Matrix: Water
Analysis Batch: 180676

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

Analyte	MBL Result	MBL Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.079		0.20	ug/L			10/17/25 11:30	1

Lab Sample ID: LCS 380-180676/17
Matrix: Water
Analysis Batch: 180676

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	1.00	1.01		ug/L		101	85 - 115

Lab Sample ID: LCSD 380-180676/18
Matrix: Water
Analysis Batch: 180676

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
Mercury	1.00	0.989		ug/L		99	85 - 115	2	20

QC Sample Results

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

Method: 200.8 - Mercury (ICP/MS) (Continued)

Lab Sample ID: LLCS 380-180676/16
Matrix: Water
Analysis Batch: 180676

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.200	0.211		ug/L		106	50 - 150

Lab Sample ID: 380-177159-AG-1 MS
Matrix: Water
Analysis Batch: 180676

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
Mercury	<0.20		1.00	0.981		ug/L		98	70 - 130

Lab Sample ID: 380-177159-AG-1 MSD
Matrix: Water
Analysis Batch: 180676

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
Mercury	<0.20		1.00	1.07		ug/L		107	70 - 130	8	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 380-181103/1
Matrix: Water
Analysis Batch: 181103

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity	<4.0		4.0	mg/L			10/20/25 19:17	1
Bicarbonate Alkalinity as CaCO3	<4.0		4.0	mg/L			10/20/25 19:17	1
Carbonate Alkalinity as CaCO3	<4.0		4.0	mg/L			10/20/25 19:17	1

Lab Sample ID: LCS 380-181103/4
Matrix: Water
Analysis Batch: 181103

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	100	93.9		mg/L		94	90 - 110

Lab Sample ID: LCSD 380-181103/19
Matrix: Water
Analysis Batch: 181103

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
Alkalinity	100	94.1		mg/L		94	90 - 110	0	20

Lab Sample ID: LLCS 380-181103/5
Matrix: Water
Analysis Batch: 181103

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	20.0	18.0		mg/L		90	90 - 110

QC Sample Results

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: MRL 380-181103/3
Matrix: Water
Analysis Batch: 181103

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity	4.00	3.51	J	mg/L		88	50 - 150

Lab Sample ID: 380-177230-B-3 MS
Matrix: Water
Analysis Batch: 181103

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
Alkalinity	32		100	126		mg/L		95	80 - 120

Lab Sample ID: 380-177230-B-3 MSD
Matrix: Water
Analysis Batch: 181103

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
Alkalinity	32		100	126		mg/L		94	80 - 120	0	20

Lab Sample ID: 380-177230-B-3 DU
Matrix: Water
Analysis Batch: 181103

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Alkalinity	32		30.7		mg/L		3	20
Bicarbonate Alkalinity as CaCO3	32		30.7		mg/L		3	20
Carbonate Alkalinity as CaCO3	<4.0		<4.0		mg/L		NC	20

Method: SM 2510B - Conductivity, Specific Conductance

Lab Sample ID: MB 380-181106/3
Matrix: Water
Analysis Batch: 181106

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	<2.0		2.0	umhos/cm			10/20/25 19:17	1

Lab Sample ID: LCS 380-181106/5
Matrix: Water
Analysis Batch: 181106

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Specific Conductance	1000	997		umhos/cm		100	90 - 110

Lab Sample ID: LCSD 380-181106/17
Matrix: Water
Analysis Batch: 181106

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
Specific Conductance	1000	992		umhos/cm		99	90 - 110	0	10

QC Sample Results

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

Method: SM 2510B - Conductivity, Specific Conductance (Continued)

Lab Sample ID: MRL 380-181106/4
Matrix: Water
Analysis Batch: 181106

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Specific Conductance	2.00	2.00		umhos/cm		100	50 - 150

Lab Sample ID: 380-177230-B-3 DU
Matrix: Water
Analysis Batch: 181106

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Specific Conductance	58		57.9		umhos/cm		0.2	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 380-180287/1
Matrix: Water
Analysis Batch: 180287

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	mg/L			10/16/25 14:30	1

Lab Sample ID: HLCS 380-180287/5
Matrix: Water
Analysis Batch: 180287

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

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	700	688		mg/L		98	80 - 114

Lab Sample ID: LCS 380-180287/4
Matrix: Water
Analysis Batch: 180287

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	175	174		mg/L		99	80 - 114

Lab Sample ID: MRL 380-180287/2
Matrix: Water
Analysis Batch: 180287

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	10.0	7.00	J	mg/L		70	50 - 150

Lab Sample ID: MRL 380-180287/3
Matrix: Water
Analysis Batch: 180287

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	10.0	9.00	J	mg/L		90	50 - 150

QC Sample Results

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: 380-177079-1 DU
Matrix: Water
Analysis Batch: 180287

Client Sample ID: Ka'amilo Wells P1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	360		352		mg/L		3	10

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 380-180498/74
Matrix: Water
Analysis Batch: 180498

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.050		0.050	mg/L			10/16/25 21:24	1

Lab Sample ID: LCS 380-180498/76
Matrix: Water
Analysis Batch: 180498

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	1.00	0.990		mg/L		99	90 - 110

Lab Sample ID: LCSD 380-180498/77
Matrix: Water
Analysis Batch: 180498

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
Fluoride	1.00	0.994		mg/L		99	90 - 110	0	10

Lab Sample ID: MRL 380-180498/75
Matrix: Water
Analysis Batch: 180498

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.0500	0.0490	J	mg/L		98	50 - 150

Lab Sample ID: 380-175425-AB-1 MS
Matrix: Water
Analysis Batch: 180498

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
Fluoride	0.60		1.00	1.59		mg/L		99	80 - 120

Lab Sample ID: 380-175425-AB-1 MSD
Matrix: Water
Analysis Batch: 180498

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
Fluoride	0.60		1.00	1.58		mg/L		99	80 - 120	0	20

QC Sample Results

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

Method: SM 4500 H+ B - pH

Lab Sample ID: MB 380-181108/5
Matrix: Water
Analysis Batch: 181108

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.5			SU			10/20/25 19:17	1

Lab Sample ID: LCS 380-181108/6
Matrix: Water
Analysis Batch: 181108

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
pH	6.00	6.1		SU		101	98 - 102

Lab Sample ID: LCSD 380-181108/18
Matrix: Water
Analysis Batch: 181108

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
pH	6.00	6.1		SU		101	98 - 102	0	2

Lab Sample ID: 380-177230-B-3 DU
Matrix: Water
Analysis Batch: 181108

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	7.4		7.4		SU		0	2

Method: SM 4500 S2 D - Sulfide, Total

Lab Sample ID: MB 380-180853/3
Matrix: Water
Analysis Batch: 180853

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<0.050		0.050	mg/L			10/20/25 13:02	1

Lab Sample ID: LCS 380-180853/5
Matrix: Water
Analysis Batch: 180853

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	0.250	0.244		mg/L		97	90 - 110

Lab Sample ID: LCSD 380-180853/6
Matrix: Water
Analysis Batch: 180853

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
Sulfide	0.250	0.233		mg/L		93	90 - 110	4	20

QC Sample Results

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

Method: SM 4500 S2 D - Sulfide, Total (Continued)

Lab Sample ID: MRL 380-180853/4
Matrix: Water
Analysis Batch: 180853

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	0.0500	0.0502		mg/L		100	50 - 150

Lab Sample ID: 380-177079-1 MS
Matrix: Water
Analysis Batch: 180853

Client Sample ID: Ka'amilo Wells P1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide	<0.050	F1	0.250	0.193	F1	mg/L		77	80 - 120

Lab Sample ID: 380-177079-1 MSD
Matrix: Water
Analysis Batch: 180853

Client Sample ID: Ka'amilo Wells P1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide	<0.050	F1	0.250	0.198	F1	mg/L		79	80 - 120	3	20

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

QC Association Summary

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

GC/MS VOA

Analysis Batch: 180213

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MRL 380-180213/3	Lab Control Sample	Total/NA	Water	524.2	
MRL 380-180213/4	Lab Control Sample	Total/NA	Water	524.2	

Analysis Batch: 180269

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-177079-1	Ka'amilo Wells P1	Total/NA	Water	524.2	
MB 380-180269/5	Method Blank	Total/NA	Water	524.2	
LCS 380-180269/3	Lab Control Sample	Total/NA	Water	524.2	
LCSD 380-180269/4	Lab Control Sample Dup	Total/NA	Water	524.2	

Analysis Batch: 180527

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-177079-1	Ka'amilo Wells P1	Total/NA	Water	524.2	
380-177079-2	TB: Ka'amilo Wells P1	Total/NA	Water	524.2	
MB 380-180527/15	Method Blank	Total/NA	Water	524.2	
LCS 380-180527/11	Lab Control Sample	Total/NA	Water	524.2	
LCSD 380-180527/12	Lab Control Sample Dup	Total/NA	Water	524.2	
MRL 380-180527/13	Lab Control Sample	Total/NA	Water	524.2	
MRL 380-180527/14	Lab Control Sample	Total/NA	Water	524.2	

Analysis Batch: 180771

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-177079-1	Ka'amilo Wells P1	Total/NA	Water	524.2	
380-177079-2	TB: Ka'amilo Wells P1	Total/NA	Water	524.2	

GC/MS Semi VOA

Prep Batch: 180266

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-177079-1	Ka'amilo Wells P1	Total/NA	Water	525.2	
MB 380-180266/20-A	Method Blank	Total/NA	Water	525.2	
LCS 380-180266/22-A	Lab Control Sample	Total/NA	Water	525.2	
MRL 380-180266/21-A	Lab Control Sample	Total/NA	Water	525.2	
380-177079-1 MS	Ka'amilo Wells P1	Total/NA	Water	525.2	
380-177079-1 MSD	Ka'amilo Wells P1	Total/NA	Water	525.2	

Analysis Batch: 180478

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-177079-1	Ka'amilo Wells P1	Total/NA	Water	525.2	180266
MB 380-180266/20-A	Method Blank	Total/NA	Water	525.2	180266
LCS 380-180266/22-A	Lab Control Sample	Total/NA	Water	525.2	180266
MRL 380-180266/21-A	Lab Control Sample	Total/NA	Water	525.2	180266
380-177079-1 MS	Ka'amilo Wells P1	Total/NA	Water	525.2	180266
380-177079-1 MSD	Ka'amilo Wells P1	Total/NA	Water	525.2	180266

Prep Batch: 642969

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-177079-1	Ka'amilo Wells P1	Total/NA	Water	625.1	
MB 570-642969/1-A	Method Blank	Total/NA	Water	625.1	
LCS 570-642969/2-A	Lab Control Sample	Total/NA	Water	625.1	
LCSD 570-642969/3-A	Lab Control Sample Dup	Total/NA	Water	625.1	

QC Association Summary

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

GC/MS Semi VOA (Continued)

Prep Batch: 642969 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-177173-A-1-A MS	Matrix Spike	Total/NA	Water	625.1	
380-177173-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	625.1	

Analysis Batch: 646232

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-177079-1	Ka'amilo Wells P1	Total/NA	Water	625.1	642969
MB 570-642969/1-A	Method Blank	Total/NA	Water	625.1	642969

Analysis Batch: 646236

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-177079-1	Ka'amilo Wells P1	Total/NA	Water	625.1 SIM	642969
MB 570-642969/1-A	Method Blank	Total/NA	Water	625.1 SIM	642969
LCS 570-642969/2-A	Lab Control Sample	Total/NA	Water	625.1 SIM	642969
LCSD 570-642969/3-A	Lab Control Sample Dup	Total/NA	Water	625.1 SIM	642969
380-177173-A-1-A MS	Matrix Spike	Total/NA	Water	625.1 SIM	642969
380-177173-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	625.1 SIM	642969

GC VOA

Analysis Batch: 646066

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-177079-1	Ka'amilo Wells P1	Total/NA	Water	8015B GRO LL	
380-177079-2	TB: Ka'amilo Wells P1	Total/NA	Water	8015B GRO LL	
MB 570-646066/6	Method Blank	Total/NA	Water	8015B GRO LL	
LCS 570-646066/4	Lab Control Sample	Total/NA	Water	8015B GRO LL	
LCSD 570-646066/5	Lab Control Sample Dup	Total/NA	Water	8015B GRO LL	
MRL 570-646066/3	Lab Control Sample	Total/NA	Water	8015B GRO LL	
380-178070-B-1 MS	Matrix Spike	Total/NA	Water	8015B GRO LL	
380-178070-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8015B GRO LL	

GC Semi VOA

Prep Batch: 180823

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-177079-1	Ka'amilo Wells P1	Total/NA	Water	505	
MB 380-180823/3-A	Method Blank	Total/NA	Water	505	
LCS 380-180823/28-A	Lab Control Sample	Total/NA	Water	505	
LCS 380-180823/29-A	Lab Control Sample	Total/NA	Water	505	
LCS 380-180823/31-A	Lab Control Sample	Total/NA	Water	505	
LCSD 380-180823/30-A	Lab Control Sample Dup	Total/NA	Water	505	
MRL 380-180823/1-A	Lab Control Sample	Total/NA	Water	505	
MRL 380-180823/2-A	Lab Control Sample	Total/NA	Water	505	
380-177094-B-1-A MS	Matrix Spike	Total/NA	Water	505	
380-177094-D-1-A MS	Matrix Spike	Total/NA	Water	505	
380-177141-Q-1-A MS	Matrix Spike	Total/NA	Water	505	
380-177141-R-1-A MS	Matrix Spike	Total/NA	Water	505	

Prep Batch: 180856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-177079-1	Ka'amilo Wells P1	Total/NA	Water	504.1	
380-177079-2	TB: Ka'amilo Wells P1	Total/NA	Water	504.1	
MBL 380-180856/4-A	Method Blank	Total/NA	Water	504.1	

Eurofins Eaton Analytical Pomona

QC Association Summary

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

GC Semi VOA (Continued)

Prep Batch: 180856 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 380-180856/29-A	Lab Control Sample	Total/NA	Water	504.1	
MRL 380-180856/2-A	Lab Control Sample	Total/NA	Water	504.1	
MRL 380-180856/3-A	Lab Control Sample	Total/NA	Water	504.1	
380-177221-A-3-A MS	Matrix Spike	Total/NA	Water	504.1	
380-177221-A-4-A DU	Duplicate	Total/NA	Water	504.1	

Analysis Batch: 181043

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-177079-1	Ka'amilo Wells P1	Total/NA	Water	505	180823
MB 380-180823/3-A	Method Blank	Total/NA	Water	505	180823
LCS 380-180823/28-A	Lab Control Sample	Total/NA	Water	505	180823
LCS 380-180823/29-A	Lab Control Sample	Total/NA	Water	505	180823
LCS 380-180823/31-A	Lab Control Sample	Total/NA	Water	505	180823
LCSD 380-180823/30-A	Lab Control Sample Dup	Total/NA	Water	505	180823
MRL 380-180823/1-A	Lab Control Sample	Total/NA	Water	505	180823
MRL 380-180823/2-A	Lab Control Sample	Total/NA	Water	505	180823
380-177094-B-1-A MS	Matrix Spike	Total/NA	Water	505	180823
380-177094-D-1-A MS	Matrix Spike	Total/NA	Water	505	180823
380-177141-Q-1-A MS	Matrix Spike	Total/NA	Water	505	180823
380-177141-R-1-A MS	Matrix Spike	Total/NA	Water	505	180823

Analysis Batch: 181128

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-177079-1	Ka'amilo Wells P1	Total/NA	Water	504.1	180856
380-177079-2	TB: Ka'amilo Wells P1	Total/NA	Water	504.1	180856
MBL 380-180856/4-A	Method Blank	Total/NA	Water	504.1	180856
LCS 380-180856/29-A	Lab Control Sample	Total/NA	Water	504.1	180856
MRL 380-180856/2-A	Lab Control Sample	Total/NA	Water	504.1	180856
MRL 380-180856/3-A	Lab Control Sample	Total/NA	Water	504.1	180856
380-177221-A-3-A MS	Matrix Spike	Total/NA	Water	504.1	180856
380-177221-A-4-A DU	Duplicate	Total/NA	Water	504.1	180856

Prep Batch: 642248

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-177079-1	Ka'amilo Wells P1	Total/NA	Water	3510C	
MB 570-642248/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-642248/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-642248/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
MRL 570-642248/4-A	Lab Control Sample	Total/NA	Water	3510C	
380-177173-C-1-A MS	Matrix Spike	Total/NA	Water	3510C	
380-177173-C-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	

Analysis Batch: 643985

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-177079-1	Ka'amilo Wells P1	Total/NA	Water	8015B	
MB 570-643985/3	Method Blank	Total/NA	Water	8015B	
LCS 570-643985/5	Lab Control Sample	Total/NA	Water	8015B	
LCSD 570-643985/6	Lab Control Sample Dup	Total/NA	Water	8015B	
MRL 570-643985/4	Lab Control Sample	Total/NA	Water	8015B	
380-177079-1 MS	Ka'amilo Wells P1	Total/NA	Water	8015B	
380-177079-1 MSD	Ka'amilo Wells P1	Total/NA	Water	8015B	

QC Association Summary

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

GC Semi VOA

Analysis Batch: 646397

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-177079-1	Ka'amilo Wells P1	Total/NA	Water	8015B	642248
MB 570-642248/1-A	Method Blank	Total/NA	Water	8015B	642248
LCS 570-642248/2-A	Lab Control Sample	Total/NA	Water	8015B	642248
LCSD 570-642248/3-A	Lab Control Sample Dup	Total/NA	Water	8015B	642248
MRL 570-642248/4-A	Lab Control Sample	Total/NA	Water	8015B	642248
380-177173-C-1-A MS	Matrix Spike	Total/NA	Water	8015B	642248
380-177173-C-1-B MSD	Matrix Spike Duplicate	Total/NA	Water	8015B	642248

HPLC/IC

Analysis Batch: 180080

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-177079-1	Ka'amilo Wells P1	Total/NA	Water	300.0	
MB 380-180080/4	Method Blank	Total/NA	Water	300.0	
LCS 380-180080/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 380-180080/7	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 380-180080/5	Lab Control Sample	Total/NA	Water	300.0	
380-177337-F-1 MS	Matrix Spike	Total/NA	Water	300.0	
380-177337-F-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Analysis Batch: 180081

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-177079-1	Ka'amilo Wells P1	Total/NA	Water	300.0	
MB 380-180081/4	Method Blank	Total/NA	Water	300.0	
LCS 380-180081/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 380-180081/7	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 380-180081/5	Lab Control Sample	Total/NA	Water	300.0	
380-177337-F-1 MS	Matrix Spike	Total/NA	Water	300.0	
380-177337-F-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Analysis Batch: 180327

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 380-180327/15	Method Blank	Total/NA	Water	300.0	
LCS 380-180327/16	Lab Control Sample	Total/NA	Water	300.0	
LCSD 380-180327/17	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 380-180327/14	Lab Control Sample	Total/NA	Water	300.0	
380-176989-E-1 MS	Matrix Spike	Total/NA	Water	300.0	
380-176989-E-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Analysis Batch: 180654

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-177079-1	Ka'amilo Wells P1	Total/NA	Water	300.0	
MB 380-180654/6	Method Blank	Total/NA	Water	300.0	
LCS 380-180654/7	Lab Control Sample	Total/NA	Water	300.0	
LCSD 380-180654/8	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 380-180654/5	Lab Control Sample	Total/NA	Water	300.0	
380-177425-B-3 MS	Matrix Spike	Total/NA	Water	300.0	
380-177425-B-3 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

QC Association Summary

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

Metals

Analysis Batch: 180623

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-177079-1	Ka'amilo Wells P1	Total/NA	Water	200.7 Rev 4.4	
MBL 380-180623/53	Method Blank	Total/NA	Water	200.7 Rev 4.4	
LCS 380-180623/55	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	
LCSD 380-180623/56	Lab Control Sample Dup	Total/NA	Water	200.7 Rev 4.4	
LLCS 380-180623/54	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	
380-177063-P-1 MS	Matrix Spike	Total/NA	Water	200.7 Rev 4.4	
380-177063-P-1 MSD	Matrix Spike Duplicate	Total/NA	Water	200.7 Rev 4.4	

Analysis Batch: 180675

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-177079-1	Ka'amilo Wells P1	Total/NA	Water	200.8	
MBL 380-180675/15	Method Blank	Total/NA	Water	200.8	
LCS 380-180675/17	Lab Control Sample	Total/NA	Water	200.8	
LCSD 380-180675/18	Lab Control Sample Dup	Total/NA	Water	200.8	
LLCS 380-180675/16	Lab Control Sample	Total/NA	Water	200.8	
380-176371-D-1 MS	Matrix Spike	Total/NA	Water	200.8	
380-176371-D-1 MSD	Matrix Spike Duplicate	Total/NA	Water	200.8	

Analysis Batch: 180676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-177079-1	Ka'amilo Wells P1	Total/NA	Water	200.8	
MBL 380-180676/15	Method Blank	Total/NA	Water	200.8	
LCS 380-180676/17	Lab Control Sample	Total/NA	Water	200.8	
LCSD 380-180676/18	Lab Control Sample Dup	Total/NA	Water	200.8	
LLCS 380-180676/16	Lab Control Sample	Total/NA	Water	200.8	
380-177159-AG-1 MS	Matrix Spike	Total/NA	Water	200.8	
380-177159-AG-1 MSD	Matrix Spike Duplicate	Total/NA	Water	200.8	

General Chemistry

Analysis Batch: 180287

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-177079-1	Ka'amilo Wells P1	Total/NA	Water	SM 2540C	
MB 380-180287/1	Method Blank	Total/NA	Water	SM 2540C	
HLCS 380-180287/5	Lab Control Sample	Total/NA	Water	SM 2540C	
LCS 380-180287/4	Lab Control Sample	Total/NA	Water	SM 2540C	
MRL 380-180287/2	Lab Control Sample	Total/NA	Water	SM 2540C	
MRL 380-180287/3	Lab Control Sample	Total/NA	Water	SM 2540C	
380-177079-1 DU	Ka'amilo Wells P1	Total/NA	Water	SM 2540C	

Analysis Batch: 180498

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-177079-1	Ka'amilo Wells P1	Total/NA	Water	SM 4500 F C	
MB 380-180498/74	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 380-180498/76	Lab Control Sample	Total/NA	Water	SM 4500 F C	
LCSD 380-180498/77	Lab Control Sample Dup	Total/NA	Water	SM 4500 F C	
MRL 380-180498/75	Lab Control Sample	Total/NA	Water	SM 4500 F C	
380-175425-AB-1 MS	Matrix Spike	Total/NA	Water	SM 4500 F C	
380-175425-AB-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 F C	

QC Association Summary

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

General Chemistry

Analysis Batch: 180853

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-177079-1	Ka'amilo Wells P1	Total/NA	Water	SM 4500 S2 D	
MB 380-180853/3	Method Blank	Total/NA	Water	SM 4500 S2 D	
LCS 380-180853/5	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	
LCSD 380-180853/6	Lab Control Sample Dup	Total/NA	Water	SM 4500 S2 D	
MRL 380-180853/4	Lab Control Sample	Total/NA	Water	SM 4500 S2 D	
380-177079-1 MS	Ka'amilo Wells P1	Total/NA	Water	SM 4500 S2 D	
380-177079-1 MSD	Ka'amilo Wells P1	Total/NA	Water	SM 4500 S2 D	

Analysis Batch: 181103

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-177079-1	Ka'amilo Wells P1	Total/NA	Water	SM 2320B	
MB 380-181103/1	Method Blank	Total/NA	Water	SM 2320B	
LCS 380-181103/4	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 380-181103/19	Lab Control Sample Dup	Total/NA	Water	SM 2320B	
LLCS 380-181103/5	Lab Control Sample	Total/NA	Water	SM 2320B	
MRL 380-181103/3	Lab Control Sample	Total/NA	Water	SM 2320B	
380-177230-B-3 MS	Matrix Spike	Total/NA	Water	SM 2320B	
380-177230-B-3 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 2320B	
380-177230-B-3 DU	Duplicate	Total/NA	Water	SM 2320B	

Analysis Batch: 181106

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-177079-1	Ka'amilo Wells P1	Total/NA	Water	SM 2510B	
MB 380-181106/3	Method Blank	Total/NA	Water	SM 2510B	
LCS 380-181106/5	Lab Control Sample	Total/NA	Water	SM 2510B	
LCSD 380-181106/17	Lab Control Sample Dup	Total/NA	Water	SM 2510B	
MRL 380-181106/4	Lab Control Sample	Total/NA	Water	SM 2510B	
380-177230-B-3 DU	Duplicate	Total/NA	Water	SM 2510B	

Analysis Batch: 181108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
380-177079-1	Ka'amilo Wells P1	Total/NA	Water	SM 4500 H+ B	
MB 380-181108/5	Method Blank	Total/NA	Water	SM 4500 H+ B	
LCS 380-181108/6	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	
LCSD 380-181108/18	Lab Control Sample Dup	Total/NA	Water	SM 4500 H+ B	
380-177230-B-3 DU	Duplicate	Total/NA	Water	SM 4500 H+ B	

Lab Chronicle

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

Client Sample ID: Ka'amilo Wells P1

Lab Sample ID: 380-177079-1

Date Collected: 10/14/25 10:04

Matrix: Water

Date Received: 10/15/25 10:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	180269	YNB8	EA POM	10/17/25 06:48
Total/NA	Analysis	524.2		1	180527	WE3W	EA POM	10/17/25 13:44
Total/NA	Analysis	524.2		1	180771	BS7X	EA POM	10/17/25 13:44
Total/NA	Prep	525.2			180266	IQ42	EA POM	10/16/25 13:27
Total/NA	Analysis	525.2		1	180478	Q8LA	EA POM	10/17/25 14:09
Total/NA	Prep	625.1			642969	H1SH	EET CAL 4	10/20/25 06:11
Total/NA	Analysis	625.1		1	646232	PQS1	EET CAL 4	10/26/25 05:24
Total/NA	Prep	625.1			642969	H1SH	EET CAL 4	10/20/25 06:11
Total/NA	Analysis	625.1 SIM		1	646236	PQS1	EET CAL 4	10/26/25 05:24
Total/NA	Analysis	8015B GRO LL		1	646066	YD9V	EET CAL 4	10/25/25 14:31
Total/NA	Prep	504.1			180856	GVC6	EA POM	10/20/25 16:03 - 10/20/25 17:09 ¹
Total/NA	Analysis	504.1		1	181128	GVC6	EA POM	10/21/25 03:59
Total/NA	Prep	505			180823	DR5R	EA POM	10/20/25 14:13 - 10/20/25 15:24 ¹
Total/NA	Analysis	505		1	181043	DR5R	EA POM	10/20/25 19:32
Total/NA	Prep	3510C			642248	TVD6	EET CAL 4	10/17/25 15:32
Total/NA	Analysis	8015B		1	646397	H6FE	EET CAL 4	10/26/25 20:27
Total/NA	Analysis	8015B		1	643985	ZE2W	EET CAL 4	10/21/25 21:19
Total/NA	Analysis	300.0		5	180654	UNJR	EA POM	10/18/25 04:44
Total/NA	Analysis	300.0		5	180080	BG6L	EA POM	10/15/25 22:28
Total/NA	Analysis	300.0		5	180081	BG6L	EA POM	10/15/25 22:28
Total/NA	Analysis	200.7 Rev 4.4		1	180623	T8BB	EA POM	10/17/25 13:08
Total/NA	Analysis	200.8		1	180675	T8BB	EA POM	10/17/25 13:04
Total/NA	Analysis	200.8		1	180676	T8BB	EA POM	10/17/25 13:04
Total/NA	Analysis	SM 2320B		1	181103	MH2L	EA POM	10/20/25 21:46
Total/NA	Analysis	SM 2510B		1	181106	MH2L	EA POM	10/20/25 21:46
Total/NA	Analysis	SM 2540C		1	180287	UJRF	EA POM	10/16/25 14:30
Total/NA	Analysis	SM 4500 F C		1	180498	PK4Q	EA POM	10/16/25 21:51
Total/NA	Analysis	SM 4500 H+ B		1	181108	MH2L	EA POM	10/20/25 21:46
Total/NA	Analysis	SM 4500 S2 D		1	180853	ZJ2C	EA POM	10/20/25 13:02

Client Sample ID: TB: Ka'amilo Wells P1

Lab Sample ID: 380-177079-2

Date Collected: 10/14/25 10:04

Matrix: Water

Date Received: 10/15/25 10:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	524.2		1	180527	WE3W	EA POM	10/17/25 18:20
Total/NA	Analysis	524.2		1	180771	BS7X	EA POM	10/17/25 18:20
Total/NA	Analysis	8015B GRO LL		1	646066	YD9V	EET CAL 4	10/25/25 18:12
Total/NA	Prep	504.1			180856	GVC6	EA POM	10/20/25 16:03 - 10/20/25 17:09 ¹
Total/NA	Analysis	504.1		1	181128	GVC6	EA POM	10/21/25 04:46

¹ This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Lab Chronicle

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

Laboratory References:

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

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

Accreditation/Certification Summary

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

Job ID: 380-177079-1
 SDG: Quarterly: Ka'amilo Wells P1

Laboratory: Eurofins Eaton Analytical Pomona

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

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

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
505	505	Water	Polychlorinated biphenyls, Total
524.2		Water	1,3-Dichloropropene, Total
524.2		Water	2-Butanone (MEK)
524.2		Water	Acetone
524.2		Water	Bromodichloromethane
524.2		Water	Bromoethane
524.2		Water	Bromoform
524.2		Water	Chlorodibromomethane
524.2		Water	Chloroform (Trichloromethane)
524.2		Water	m,p Xylenes
524.2		Water	o-Xylene
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

Accreditation/Certification Summary

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

Job ID: 380-177079-1
 SDG: Quarterly: Ka'amilo Wells P1

Laboratory: Eurofins Eaton Analytical Pomona (Continued)

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

Authority	Program	Identification Number	Expiration Date
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
SM 2320B		Water	Bicarbonate Alkalinity as CaCO3
SM 2320B		Water	Carbonate Alkalinity as CaCO3
SM 4500 S2 D		Water	Sulfide

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	03-02-26
Arizona	State	AZ0830	11-16-25
California	Los Angeles County Sanitation Districts	9257304	07-31-26
California	SCAQMD LAP	17LA0919	11-30-25
California	State	3082	07-31-26
Kansas	NELAP	E-10420	07-31-26
Nevada	State	CA00111	07-31-26
Oregon	NELAP	4175	02-02-26
USDA	US Federal Programs	525-23-159-97150	06-08-26
Utah	NELAP	CA00111	02-28-26
Washington	State	C916	10-11-26

Method Summary

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

Method	Method Description	Protocol	Laboratory
524.2	Total Trihalomethanes	EPA-DW	EA POM
524.2	Volatile Organic Compounds (GC/MS)	EPA-DW	EA POM
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
504.1	EDB, DBCP and 1,2,3-TCP (GC)	EPA-DW2	EA POM
505	Organochlorine Pesticides/PCBs (GC)	EPA	EA POM
8015B	Diesel Range Organics (DRO) (GC) Low Level	SW846	EET CAL 4
8015B	Nonhalogenated Organic Compounds - Direct Injection (GC)	SW846	EET CAL 4
300.0	Anions, Ion Chromatography	EPA	EA POM
200.7 Rev 4.4	Metals (ICP)	EPA	EA POM
200.8	Mercury (ICP/MS)	EPA	EA POM
200.8	Metals (ICP/MS)	EPA	EA POM
SM 2320B	Alkalinity	SM	EA POM
SM 2510B	Conductivity, Specific Conductance	SM	EA POM
SM 2540C	Solids, Total Dissolved (TDS)	SM	EA POM
SM 4500 F C	Fluoride	SM	EA POM
SM 4500 H+ B	pH	SM	EA POM
SM 4500 S2 D	Sulfide, Total	SM	EA POM
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET CAL 4
5030C	Purge and Trap	SW846	EET CAL 4
504.1	Microextraction	EPA-DW	EA POM
505	Extraction, Organohalide Pesticides	EPA	EA POM
525.2	Extraction of Semivolatile Compounds	EPA	EA POM
625.1	Liquid-Liquid Extraction	40CFR136A	EET CAL 4
None	Autocomplete Prep - Metals - No Digestion required	None	EA POM

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
EPA-DW = "Methods For The Determination Of Organic Compounds In Drinking Water", EPA/600/4-88/039, December 1988 And Its Supplements.
EPA-DW2 = "Methods For The Determination of Organic Compounds in Drinking Water - Supplement III ", EPA/600/R-95-131, August 1995
None = None
SM = "Standard Methods For The Examination Of Water And Wastewater"
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Sample Summary

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

Job ID: 380-177079-1
SDG: Quarterly: Ka'amilo Wells P1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
380-177079-1	Ka'amilo Wells P1	Water	10/14/25 10:04	10/15/25 10:27	Hawaii
380-177079-2	TB: Ka'amilo Wells P1	Water	10/14/25 10:04	10/15/25 10:27	Hawaii

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

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: 14OCT25
ACTWGT 62.00 LB
CAD 258050552IINET4535

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

PO: **POMONA CA 91768**

INV: (626) 386-1100 REF:

DEPT:



1 of 6
TRK# 8851 7910 0629
MASTER

WM ONTA **91768**
CA-US ONT



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

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on FedEx.com. FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$2,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

600-14.3 = 4.3 bar
Yun 10/15/25
10.27

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

ORIGIN ID HIKA (808) 748-5640
BWS CHEMLAB
HONOLULU BOARD OF WATER SUPPLY
630 S. BERETANIA ST
CHEMICAL LABORATORY
HONOLULU HI 96843
UNITED STATES US

SHIP DATE: 14OCT25
ACTWGT 62.00 LB
CAD-258050552JINET4535
BILL RECIPIENT

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

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

58HJ4/008C/59F2

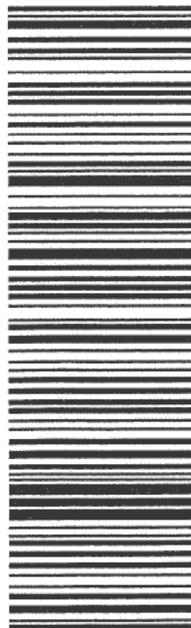
DEPT.



2 of 6
MPS# 8851 7910 0630
Mstr# 8851 7910 0629
WED - 15 OCT 10:30A
PRIORITY OVERNIGHT
0263 0201

WM ONTA

CA-US ONT



68228-28 bar
10/15/25
10-27

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

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

ORIGIN ID HIK
BWS CHEMLAB
HONOLULU BOARD OF WATER SUPPLY
630 S. BERETANIA ST
CHEMICAL LABORATORY
HONOLULU HI 96843
UNITED STATES US

SHIP DATE: 14OCT25
ACTWGT: 62.00 LB
CAD: 258050552JINET4535

BILL RECIPIENT

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

POMONA CA 91768

INV# (626) 386-1100 REF:

PC DEPT



618A/48 = 4.8 GR

Yum! 10/15/25 10-27

WED - 15 OCT 10:30A
PRIORITY OVERNIGHT

3 of 6

MPS# 8851 7910 0640

Mstr# 8851 7910 0629

WM ONTA

91768

CA-US ONT



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

CONSIGNEE COPY - PLEASE PLACE IN FRONT OF POUCH

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

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

SHIP DATE: 14OCT25
ACTWGT 62.00 LB
CAD 258050552/INET4535
BILL RECIPIENT
TO EUROFINS RECEIVING DEPARTMENT
EUROFINS DRINKING WATER TESTING
941 CORPORATE CENTER DR

68HJ4/008C/59F2

POMONA CA 91768 REF.
(626) 386-1100

DEPT



4 of 6 WED - 15 OCT 10:30A
MPS# 8851 7910 0651
0263
Mstr# 8851 7910 0629
WM ONTA 91768
CA-US ONT



68HJ4/008C/59F2 = 3-6
10/15/25
10-27

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

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

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

SHIP DATE: 14OCT25
ACTWGT 62.00 LB
CAD 258050552/INET4635

BILL RECIPIENT

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

POMONA CA 91768
(626) 386-1100 REF

58H14/008C/69F2

DEPT



5 of 6
WED - 15 OCT 10:30A
PRIORITY OVERNIGHT

MPS# 8851 7910 0662
INV# 0263
Mst# 8851 7910 0629

WM ONTA 91768
CA-US ONT



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

Copy 28-28 Cor
10/15/10
10/27
Yuo

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

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: 14OCT25
ACTWGT 62.00 LB
CAD: 258050552/NET4535

BILL RECIPIENT

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

POMONA CA 91768

INV# (626) 386-1100 REF

PO# DEPT



J254028292401uv

6 of 6 WED - 15 OCT 10:30A
MPS# 8851 7910 0673 PRIORITY OVERNIGHT
0253 0201
Mstr# 8851 7910 0629 91768
WM ONTA CA-US ONT



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

608A/S-9 259 602
Yuno1 10/15/25
10-20A

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

Login Sample Receipt Checklist

Client: City & County of Honolulu

Job Number: 380-177079-1
SDG Number: Quarterly: Ka'amilo Wells P1

Login Number: 177079

List Number: 1

Creator: Sanchez, Joseph G

List Source: Eurofins Eaton Analytical Pomona

Question	Answer	Comment
The coolers custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
Samples were received on ice.	True	
Cooler(s) Temperature is acceptable.	True	
Cooler(s) Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and is legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
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: 380-177079-1
SDG Number: Quarterly: Ka'amilo Wells P1

Login Number: 177079

List Number: 2

Creator: Khana, Piyush

List Source: Eurofins Calscience

List Creation: 10/16/25 06:49 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.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.1
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 <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	False	